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Mass Excess

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2 HE 4

MASS EXCESS 2.4248 +/- 0.0004 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		-0.9578	-1.9653	1.4723	2.4674	1.5872	-0.0947	4.4610	8.6644	7.1613
		0.0190	0.0370	0.0012	0.0012	0.0012	0.0010	0.0013	0.0012	0.0005
GAMMA	HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	O 16
		11.4540	11.6790	14.0884	14.9073	15.7689	4.9442	12.0522	8.6677	-4.7365
		-20.5780		-4.1898	-4.7851	-9.0914	-18.9908	-3.9769	-2.7916	-8.5066
		0.0005	MASS	0.0370	0.0012	0.0120	0.0012	0.0017	0.0013	0.0013
N	HE 3	HE 4	LI 4	LI 5	LI 6	BE 6	BE 7	B 9	B 10	O 15
		14.9313	UNKNOWN	11.6790	14.0884	18.3760	15.7689	12.4186	12.0522	2.8599
		-19.8142		-3.1823	-7.5125	-4.0213	-17.3468	-2.1263	-2.5639	-4.9646
		0.0005	MASS	0.0190	0.0040	0.0012	0.0012	0.0015	0.0025	0.0009
P	H 3	H 4	HE 4	HE 5	HE 6	LI 6	LI 7	BE 9	BE 10	N 15
		14.9499	UNKNOWN	11.4540	17.5982	14.0884	14.9073	11.3505	12.6070	0.1004
		-23.8471	-17.5897	-18.3535	-7.2152	-7.4588	-22.3748	-1.5670	-7.1544	-13.5749
		0.0004	0.0005	0.0005	0.0190	0.0370	0.0012	0.0014	0.0015	0.0005
D	H 2	H 3	HE 3	HE 4	HE 5	LI 5	LI 6	BE 8	BE 9	N 14
		13.1359	14.9499	14.9313	11.4540	11.6790	14.0884	4.9442	11.3505	2.8637
		-19.8142	-17.5897	-14.3206	-7.5125		-21.7794	-14.2057	-2.5621	-17.8704
		0.0005	0.0005	0.0005	0.0040	MASS	0.0370	0.0016	0.0014	0.0012
T	H 1	H 2	NO	HE 3	HE 4	LI 4	LI 5	BE 7	BE 8	N 13
		7.2890	13.1359	REACTION	14.9313	UNKNOWN	11.6790	15.7689	4.9442	5.3452
		-20.5780	-18.3535	-14.3206	-7.5125		-21.5358	-13.3255	-18.5455	-15.6312
		0.0005	0.0005	0.0005	0.0040	MASS	0.0190	0.0016	0.0019	0.0009
HE3	N 1	H 2	H 3	H 4	HE 4	HE 5	LI 7	LI 8	LI 8	C 13
		8.0714	13.1359	14.9499	UNKNOWN	11.4540	14.9073	20.9462		3.1246
		NO	NO	NO	NO	NO	NO	MASS	-11.9452	-30.8314
		NO	NO	NO	NO	NO	NO	0.0372	0.0372	0.0136
HE6	REACTION	REACTION	REACTION	REACTION	7.2890	REACTION	REACTION	LI 4	LI 5	C 10
								UNKNOWN	11.6790	15.6580
		NO	NO	NO	1.4723	-4.7851	-4.0213	-22.3748	-8.2104	-23.7158
		NO	NO	NO	0.0012	0.0012	0.0012	0.0012	0.0191	0.0013
LI6	REACTION	REACTION	REACTION	GAMMA	N 1	H 1	H 2	HE 4	HE 5	B 10
					8.0714	7.2890	13.1359		11.4540	12.0522

2 He 4

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3 LI 6

MASS EXCESS 14.0884 +/- 0.0011 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.2525 0.0016 LI 7	5.6085 0.0016 BE 7	22.2801 0.0014 BE 8	17.6878 0.0014 BE 9	16.6011 0.0017 B 9	4.4610 0.0013 B 10	28.1768 0.0016 C 12	25.8711 0.0017 C 13	13.2160 0.0014 F 18
GAMMA	LI 6	14.9073	15.7689	4.9442	11.3505	12.4186	12.0522	0.	3.1246	0.8724
	-5.6620 0.0370 LI 5		-5.0701 0.0121 BE 6	3.3840 0.0016 BE 7	16.0227 0.0014 BE 8	-1.9748 0.0019 B 8	-3.9769 0.0017 B 9	9.4570 0.0019 C 11	20.9243 0.0016 C 12	4.0651 0.0012 F 17
N	LI 6	11.6790	18.3760	15.7689	4.9442	22.9231	12.4186	10.6484	0.	1.9519
	-4.6546 0.0190 HE 5	-2.7274 0.0042 HE 6		5.0280 0.0016 LI 7	0.8032 0.0019 LI 8	16.7865 0.0014 BE 8	-2.1263 0.0015 BE 9	12.2201 0.0016 B 11	8.3365 0.0020 B 12	7.6071 0.0014 O 17
P	HE 5	17.5982	17.5982	14.9073	20.9462	4.9442	11.3505	8.6677	13.3702	-0.8077
	-1.4723 0.0012 HE 4	-2.4301 0.0190 HE 5	-3.4375 0.0370 LI 5		0.9951 0.0016 LI 7	0.1149 0.0016 BE 7	-1.5670 0.0014 BE 8	2.9887 0.0016 B 10	7.1921 0.0016 B 11	5.6890 0.0011 O 16
D	HE 4	11.4540	11.6790	LI 6	14.9073	15.7689	4.9442	12.0522	8.6677	-4.7365
	-15.7929 0.0011 HE 3	4.7851 0.0012 HE 4		0.5954 0.0370 LI 5		-4.3062 0.0121 BE 6	-14.2057 0.0016 BE 7	0.8083 0.0020 B 9	1.9935 0.0016 B 10	-3.7214 0.0016 O 15
T	HE 3	2.4248	UNKNOWN	11.6790	LI 6	18.3760	15.7689	12.4186	12.0522	2.8599
	-15.7929 0.0011 H 3		4.0213 0.0012 HE 4	0.8390 0.0190 HE 5	-3.4912 0.0042 HE 6		-13.3255 0.0016 LI 7	1.8950 0.0018 BE 9	1.4574 0.0027 BE 10	-0.9433 0.0014 N 15
HE3	H 3	14.9499	2.4248	11.4540	17.5982	LI 6	14.9073	11.3505	12.6070	0.1004
	-1.4723 0.0012 H 2	4.7851 0.0012 H 3	4.0213 0.0012 HE 3	22.3748 0.0012 HE 4	15.1596 0.0190 HE 5	14.9160 0.0370 LI 5		20.8078 0.0018 BE 8	15.2204 0.0018 BE 9	8.7999 0.0012 N 14
HE4	H 2	13.1359	14.9313	2.4248	11.4540	11.6790	LI 6	4.9442	11.3505	2.8637
		-2.7274 0.0042 H 1			-3.4912 0.0042 HE 3			-7.7974 0.0127 LI 4	-4.3714 0.0044 BE 7	-20.8588 0.0099 N 12
HE6	NO	7.2890	NO	NO	14.9313	NO	MASS	18.3760	15.7689	17.3490
	REACTION		REACTION	REACTION		REACTION	UNKNOWN			

3 LI 7

MASS EXCESS 14.9073 +/- 0.0011 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		2.0325	17.2521	16.6927	17.2502	17.7864	8.6644	25.8711	26.7948	16.3933
		0.0019	0.0014	0.0014	0.0025	0.0012	0.0012	0.0017	0.0016	0.0014
GAMMA	LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
		20.9462	4.9442	11.3505	12.6070	12.0522	8.6677	3.1246	3.0198	-1.4860
	-7.2525		-1.6441	15.0276	10.4353	9.3486	-2.7916	20.9243	18.6186	5.9635
	0.0016		0.0016	0.0014	0.0014	0.0017	0.0013	0.0016	0.0018	0.0014
N	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
	14.0884		15.7689	4.9442	11.3505	12.4186	12.0522	0.	3.1246	0.8724
	-9.9799			-0.1920	-2.3967	11.1991	-2.5639	8.3365	5.9640	8.4007
	0.0041	MASS		0.0019	0.0200	0.0014	0.0025	0.0020	0.0043	0.0011
P	HE 6	HE 7	LI 7	LI 8	LI 9	BE 9	BE 10	B 12	B 13	0 18
	17.5982	UNKNOWN		20.9462	24.9650	11.3505	12.6070	13.3702	16.5616	-0.7824
	-9.6826	-7.7554	-5.0280		-4.2249	11.7585	-7.1544	7.1921	3.3085	2.5791
	0.0190	0.0042	0.0016		0.0019	0.0014	0.0015	0.0016	0.0020	0.0014
D	HE 5	HE 6	LI 6	LI 7	LI 8	BE 8	BE 9	B 11	B 12	0 17
	11.4540	17.5982	14.0884		20.9462	4.9442	11.3505	8.6677	13.3702	-0.8077
	-2.4674	-3.4252	-4.4327	-0.9951		-0.8802	-2.5621	1.9935	6.1970	4.6939
	0.0012	0.0190	0.0370	0.0016		0.0016	0.0014	0.0016	0.0016	0.0012
T	HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	0 16
	2.4248	11.4540	11.6790	14.0884		15.7689	4.9442	12.0522	8.6677	-4.7365
			-4.1890	-4.4863			-18.5455	1.4574	-5.2977	-5.7091
	MASS	MASS	0.0190	0.0042	MASS		0.0019	0.0027	0.0151	0.0037
HE3	H 4	H 5	HE 5	HE 6	HE 7	LI 7	LI 8	BE 10	BE 11	N 16
	UNKNOWN	UNKNOWN	11.4540	17.5982	UNKNOWN		20.9462	12.6070	20.1810	5.6851
	-2.4674		17.3468	14.1645	9.8343	13.3255		15.2204	14.7828	12.3821
	0.0012	MASS	0.0012	0.0190	0.0042	0.0016		0.0018	0.0027	0.0014
HE4	H 3	H 4	HE 4	HE 5	HE 6	LI 6	LI 7	BE 9	BE 10	N 15
	14.9499	UNKNOWN	2.4248	11.4540	17.5982	14.0884		11.3505	12.6070	0.1004
	-9.9799	-7.7554		-4.4863	9.8343		-11.9452	-4.3714	7.2722	-8.0361
	0.0041	0.0042	NO	0.0042	0.0042	MASS	0.0372	0.0044	0.0044	0.0043
HE6	H 1	H 2	REACTION	HE 3	HE 4	LI 4	LI 5	BE 7	BE 8	N 13
	7.2890	13.1359		14.9313	2.4248	UNKNOWN	11.6790	15.7689	4.9442	5.3452
	-7.2525		-5.0280	-0.9951		13.3255	-8.2104		-5.2200	-2.3057
	0.0016	NO	0.0016	0.0016	MASS	0.0016	0.0191		0.0024	0.0017
LI 6	N 1	REACTION	H 2	H 3	H 4	HE 4	HE 5	LI 7	LI 8	C 13
	8.0714		13.1359	14.9499	UNKNOWN	2.4248	11.4540		20.9462	3.1246

4 BE 7 MASS EXCESS 15.7689 +/- 0.0011 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		18.8961	0.1348	16.4862	18.6666	15.0422	7.5453	24.5121	27.8125	14.0169
GAMMA	BE 7	0.0014	0.0019	0.0017	0.0012	0.0130	0.0016	0.0019	0.0016	0.0019
		BE 8	B 8	B 9	B 10	C 10	C 11	N 13	N 14	NE 19
		4.9442	22.9231	12.4186	12.0522	15.6580	10.6484	5.3452	2.8637	1.7520
	-10.6785			-2.0897	10.2288	-6.3612	-5.5358	4.4369	17.2596	2.3782
	0.0121		MASS	0.0019	0.0017	0.0700	0.0131	0.0091	0.0019	0.0048
N	BE 6	BE 7	B 7	B 8	B 9	C 9	C 10	N 12	N 13	NE 18
	18.3760		UNKNOWN	22.9231	12.4186	28.9900	15.6580	17.3490	5.3452	5.3193
	-5.6085	1.6440		16.6716	12.0794	10.9926	-1.1475	22.5683	20.2626	7.6075
	0.0016	0.0016		0.0014	0.0014	0.0017	0.0013	0.0016	0.0018	0.0014
P	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
	14.0884	14.9073		4.9442	11.3505	12.4186	12.0522	0.	3.1246	0.8724
	-9.0460	-3.3840	-8.4540		12.6387	-5.3588	-7.3609	6.0730	17.5403	0.6811
	0.0370	0.0016	0.0121		0.0014	0.0019	0.0018	0.0019	0.0016	0.0012
D	LI 5	LI 6	BE 6	BE 7	BE 8	B 8	B 9	C 11	C 12	F 17
	11.6790	14.0884	18.3760		4.9442	22.9231	12.4186	10.6484	0.	1.9519
		-2.7886		-4.4211			-19.6794	-0.7506	5.0778	-9.8670
	MASS	0.0370	MASS	0.0121		MASS	0.0019	0.0131	0.0019	0.0400
T	LI 4	LI 5	BE 5	BE 6	BE 7	B 7	B 8	C 10	C 11	F 16
	UNKNOWN	11.6790	UNKNOWN	18.3760		UNKNOWN	22.9231	15.6580	10.6484	10.6860
	-1.5872	-2.5450	-3.5525	-0.1149	0.8802		-1.6819	2.8738	7.0772	5.5741
	0.0012	0.0190	0.0370	0.0016	0.0016		0.0014	0.0016	0.0016	0.0012
HE3	HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	O 16
	2.4248	11.4540	11.6790	14.0884	14.9073		4.9442	12.0522	8.6677	-4.7365
	-1.5872	18.9908		14.8011	14.2057	9.8995		15.0139	16.1992	10.4842
	0.0012	0.0012	MASS	0.0370	0.0016	0.0121		0.0021	0.0017	0.0017
HE4	HE 3	HE 4	LI 4	LI 5	LI 6	BE 6	BE 7	B 9	B 10	O 15
	14.9313	2.4248	UNKNOWN	11.6790	14.0884	18.3760		12.4186	12.0522	2.8599
		NO	NO	NO	NO	MASS	NO	MASS	MASS	-9.8451
		NO	NO	NO	NO	LI 4	NO	BE 5	B 7	0.0045
HE6	REACTION	REACTION	REACTION	REACTION	UNKNOWN	UNKNOWN	REACTION	UNKNOWN	UNKNOWN	0.0701
										O 13
									22.9231	23.1100
	-5.6085	-3.3840		-0.1149	14.2057		-7.5738		11.6436	-3.6647
	0.0016	0.0016	NO	0.0016	0.0016	MASS	0.0370		0.0021	0.0019
LI6	H 1	H 2	REACTION	HE 3	HE 4	LI 4	LI 5	BE 7	BE 8	N 13
	7.2890	13.1359		14.9313	2.4248	UNKNOWN	11.6790		4.9442	5.3452

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4 Be 7

4 BE 9

MASS EXCESS 11.3505 +/- 0.0009 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.8149	6.5873	15.8187	12.9302	26.2818	10.6506	25.3385	20.5727	17.0804
		0.0024	0.0010	0.0010	0.0016	0.0009	0.0013	0.0016	0.0038	0.0017
GAMMA	BE 9	BE 10	B 10	B 11	B 12	C 12	C 13	N 15	N 16	NE 21
		12.6070	12.0522	8.6677	13.3702	0.	3.1246	0.1004	5.6851	-5.7299
		-1.6651	-1.8506	4.3628	9.5613	7.5620	5.7038	14.5037	18.0860	10.3206
		0.0012	0.0016	0.0010	0.0010	0.0014	0.0010	0.0014	0.0016	0.0010
N	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
		4.9442	12.4186	12.0522	8.6677	10.6484	0.	2.8637	0.1004	-7.0415
		-16.8847	-12.8321	4.5904	-1.1695	10.3252	-6.8839	15.1301	9.0956	4.0734
		0.0018	0.0200	0.0024	0.0150	0.0010	0.0016	0.0015	0.0017	0.0048
P	LI 8	LI 9	BE 9	BE 10	BE 11	B 11	B 12	C 14	C 15	F 20
		20.9462	24.9650	12.6070	20.1810	8.6677	13.3702	3.0198	9.8732	-0.0119
		-16.6927	-14.6602	0.5594	0.5575	1.0937	-8.0283	9.1784	10.1021	-0.2994
		0.0014	0.0018	0.0012	0.0024	0.0011	0.0010	0.0016	0.0015	0.0012
D	LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
		14.9073	20.9462	4.9442	12.6070	12.0522	8.6677	3.1246	3.0198	-1.4860
		-17.6878	-10.4353	-12.0794	4.5923	-1.0867	-13.2269	10.4890	8.1832	-4.4718
		0.0014	0.0014	0.0014	0.0012	0.0016	0.0011	0.0014	0.0016	0.0012
T	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
		14.0884	14.9073	15.7689	4.9442	12.4186	12.0522	0.	3.1246	0.8724
		-21.1790	-11.1992	-11.3911	-13.5959	-13.7631	-2.8626	-5.2351	-2.7984	
		0.0041	MASS	0.0014	0.0018	0.0200	0.0024	0.0019	0.0043	0.0010
HE3	HE 6	HE 7	LI 7	LI 8	LI 9	BE 9	BE 10	B 12	B 13	O 18
		17.5982	UNKNOWN	14.9073	20.9462	24.9650	12.6070	13.3702	16.5616	-0.7824
		-2.5283	-0.6010	2.1263	7.1544	2.9295	18.9129	14.3465	10.4628	9.7334
		0.0190	0.0041	0.0015	0.0015	0.0018	0.0013	0.0015	0.0020	0.0013
HE4	HE 5	HE 6	LI 6	LI 7	LI 8	BE 8	BE 9	B 11	B 12	O 17
		11.4540	17.5982	14.0884	14.9073	20.9462	4.9442	8.6677	13.3702	-0.8077
		-21.1790	-0.6010	-4.7908	-5.3862	-9.6924	-19.5919	-4.5779	-3.3926	-9.1076
		0.0041	0.0041	MASS	0.0372	0.0043	0.0127	0.0043	0.0044	0.0043
HE6	HE 3	HE 4	LI 4	LI 5	LI 6	BE 6	BE 7	B 9	B 10	O 15
		14.9313	2.4248	UNKNOWN	11.6790	14.0884	18.3760	15.7689	12.4186	12.0522
		-17.6878	2.1263	-1.0560	-5.3862	-1.8950	-15.2205	-0.4376	-2.8383	
		0.0014	MASS	0.0015	0.0191	0.0043	0.0018	0.0018	0.0028	0.0016
LI6	H 3	H 4	HE 4	HE 5	HE 6	LI 6	LI 7	BE 9	BE 10	N 15
		14.9499	UNKNOWN	2.4248	11.4540	17.5982	14.0884	14.9073	12.6070	0.1004

4 Be 9

10

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		11.4560	8.6928	25.1881	23.8775	21.6383	11.6132	30.8771	27.7672	17.2344
		0.0006	0.0012	0.0005	0.0010	0.0012	0.0007	0.0012	0.0015	0.0027
GAMMA	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
		8.6677	10.6484	0.	3.1246	5.3452	2.8637	-4.7365	-0.8077	-5.1822
		-8.4378	-4.3883	6.4683	18.9307	1.5631	1.0603	15.2093	23.6246	6.1658
		0.0014	0.0130	0.0012	0.0006	0.0090	0.0013	0.0017	0.0012	0.0080
N	B 9	B 10	C 10	C 11	C 12	N 12	N 13	O 15	O 16	NA 21
		12.4186	15.6580	10.6484	0.	17.3490	5.3452	2.8599	-4.7365	-2.1850
		-6.5873	0.2276	9.2314	6.3430	19.6945	4.0634	18.7512	13.9854	10.4931
		0.0010	0.0023	0.0006	0.0014	0.0005	0.0010	0.0015	0.0037	0.0016
P	BE 9	BE 10	B 10	B 11	B 12	C 12	C 13	N 15	N 16	NE 21
		11.3505	12.6070	8.6677	13.3702	0.	3.1246	0.1004	5.6851	-5.7299
		-6.0279	-4.3628	-6.2133	5.1986	3.1992	1.3410	10.1410	13.7232	5.9578
		0.0010	0.0010	0.0014	0.0006	0.0012	0.0006	0.0012	0.0015	0.0007
D	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
		4.9442	11.3505	12.4186	8.6677	10.6484	0.	2.8637	0.1004	-7.0415
		-18.6667	0.2295	-18.5319	-2.1804	-3.6244	-11.1214	5.8454	9.1458	-4.6497
		0.0012	0.0010	0.0016	0.0014	0.0130	0.0013	0.0016	0.0012	0.0017
T	BE 7	BE 8	B 8	B 9	B 10	C 10	C 11	N 13	N 14	NE 19
		15.7689	4.9442	22.9231	12.4186	15.6580	10.6484	5.3452	2.8637	1.7520
		-17.7864	-15.7539	-0.5344	-1.0937	-0.5362	-9.1221	8.0847	9.0083	-1.3931
		0.0012	0.0016	0.0010	0.0011	0.0023	0.0007	0.0015	0.0013	0.0010
HE3	LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
		14.9073	20.9462	4.9442	11.3505	12.6070	8.6677	3.1246	3.0198	-1.4860
		-4.4610	2.7916	1.1475	17.8192	13.2269	12.1402	23.7158	21.4101	8.7550
		0.0013	0.0013	0.0013	0.0010	0.0011	0.0015	0.0013	0.0015	0.0010
HE4	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
		14.0884	14.9073	15.7689	4.9442	11.3505	12.4186	0.	3.1246	0.8724
		-9.1536	0.0372	MASS	0.0127	0.0042	MASS	0.0043	0.0137	0.0043
HE6	LI 4	LI 5	BE 5	BE 6	BE 7	B 7	B 8	C 10	C 11	F 16
	UNKNOWN	11.6790	UNKNOWN	18.3760	15.7689	UNKNOWN	22.9231	15.6580	10.6484	10.6860
		-4.4610	-5.4188	-6.4262	-2.9887	-1.9936	-2.8738	-4.5557	4.2034	2.7003
		0.0013	0.0190	0.0370	0.0016	0.0016	0.0016	0.0015	0.0017	0.0012
LI6	HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	O 16
		2.4248	11.4540	11.6790	14.0884	14.9073	15.7689	4.9442	8.6677	-4.7365

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-17.7864	2.7916		-1.3982	-1.9936	-6.2998	-16.1992	-1.1853		-5.7150
	0.0012	0.0013	MASS	0.0370	0.0016	0.0121	0.0017	0.0021		0.0017
LI7	HE 3	HE 4	LI 4	LI 5	LI 6	BE 6	BE 7	B 9	B 10	O 15
	14.9313	2.4248	UNKNOWN	11.6790	14.0884	18.3760	15.7689	12.4186		2.8599
		-15.7539			-5.6231		-24.8452	-17.7287	-6.4053	-16.9020
	NO	0.0016	NO	MASS	0.0370	MASS	0.0121	0.0024	0.0023	0.0016
LI8	HE 3	HE 3	LI 4	LI 5	BE 5	BE 6	B 8	B 9	B 9	O 14
	REACTION	14.9313	REACTION	UNKNOWN	11.6790	UNKNOWN	18.3760	22.9231	12.4186	8.0080
									-20.9286	-36.0228
	NO	NO	NO	NO	MASS	NO	MASS	MASS	0.0201	0.0728
LI9	REACTION	REACTION	REACTION	REACTION	LI 4	REACTION	BE 5	B 7	B 8	O 13
					UNKNOWN		UNKNOWN	UNKNOWN	22.9231	23.1100
	-18.6667		1.1475	-2.0348	-6.3650	-2.8738	-16.1992	-0.9788	-1.4164	-3.8171
	0.0012	MASS	0.0013	0.0190	0.0042	0.0016	0.0017	0.0019	0.0027	0.0014
BE7	H 3	H 4	HE 4	HE 5	HE 6	LI 6	LI 7	BE 9	BE 10	N 15
	14.9499	UNKNOWN	2.4248	11.4540	17.5982	14.0884	14.9073	11.3505	12.6070	0.1004
	-6.5873	-4.3628		-1.0937	13.2269		-8.5526	-0.9788	10.6648	-4.6435
	0.0010	0.0010	NO	0.0011	0.0011	MASS	0.0370	0.0019	0.0017	0.0015
BE9	H 1	H 2	REACTION	HE 3	HE 4	LI 4	LI 5	BE 7	BE 8	N 13
	7.2890	13.1359		14.9313	2.4248	UNKNOWN	11.6790	15.7689	4.9442	5.3452
		0.2276			-0.5362			-4.8424	-1.4164	-17.9038
	NO	0.0023	NO	NO	0.0023	NO	MASS	0.0123	0.0027	0.0093
BE10	REACTION	H 1	REACTION	REACTION	HE 3	REACTION	LI 4	BE 6	BE 7	N 12
		7.2890			14.9313		UNKNOWN	18.3760	15.7689	17.3490
			-18.5319			-7.3936	-26.0444	-17.7287	-20.9286	-13.8907
	NO	NO	0.0016	MASS	MASS	0.0191	0.0043	0.0024	0.0201	0.0016
B8	REACTION	REACTION	H 3	H 4	H 5	HE 5	HE 6	LI 8	LI 9	C 14
			14.9499	UNKNOWN	UNKNOWN	11.4540	17.5982	20.9462	24.9650	3.0198
		11.4560		9.2314	5.1986		-9.1221	5.7939	4.2034	-7.2639
	NO	0.0006	NO	0.0006	0.0006	NO	0.0007	0.0370	0.0017	0.0012
B11	REACTION	GAMMA	REACTION	H 1	H 2	REACTION	HE 3	LI 5	LI 6	C 11
				7.2890	13.1359		14.9313	11.6790	14.0884	10.6484

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5 B 11

MASS EXCESS 8.6677 +/- 0.0003 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		3.3689	15.9567	18.6790	20.5978	20.7353	10.9920	23.5638	24.3574	18.1960
		0.0013	0.0003	0.0009	0.0005	0.0004	0.0009	0.0015	0.0012	0.0019
GAMMA	B 11	B 12	C 12	C 13	C 14	N 14	N 15	O 17	O 18	NA 23
		13.3702	0.	3.1246	3.0198	2.8637	0.1004	-0.8077	-0.7824	-9.5283
	-11.4560		-2.7632	13.7322	12.4216	10.1824	0.1573	19.4212	16.3112	5.7784
	0.0006		0.0011	0.0003	0.0009	0.0012	0.0005	0.0012	0.0015	0.0027
N	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
	12.0522		10.6484	0.	3.1246	5.3452	2.8637	-4.7365	-0.8077	-5.1822
	-11.2283	-10.7309		1.1444	-0.2330	13.1854	0.7836	9.7820	8.4150	9.4036
	0.0022	0.0150		0.0013	0.0040	0.0009	0.0006	0.0037	0.0150	0.0007
P	BE 10	BE 11	B 11	B 12	B 13	C 13	C 14	N 16	N 17	NE 22
	12.6070	20.1810		13.3702	16.5616	3.1246	3.0198	5.6851	7.8710	-8.0249
	-15.8187	-9.0038	-9.2314		-2.8885	10.4631	-5.1681	9.5198	4.7540	1.2617
	0.0010	0.0022	0.0006		0.0014	0.0004	0.0009	0.0014	0.0037	0.0015
D	BE 9	BE 10	B 10	B 11	B 12	C 12	C 13	N 15	N 16	NE 21
	11.3505	12.6070	12.0522		13.3702	0.	3.1246	0.1004	5.6851	-5.7299
	-11.2265	-9.5613	-11.4119	-5.1986		-1.9993	-3.8575	4.9424	8.5246	0.7592
	0.0009	0.0010	0.0014	0.0006		0.0012	0.0005	0.0012	0.0014	0.0006
T	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
	4.9442	11.3505	12.4186	12.0522		10.6484	0.	2.8637	0.1004	-7.0415
	-27.2099	-23.1572	-10.3252	-5.7347	-11.4947		-17.2091	4.8049	-1.2296	-6.2518
	0.0015	0.0200	0.0010	0.0022	0.0150		0.0014	0.0012	0.0015	0.0047
HE3	LI 8	LI 9	BE 9	BE 10	BE 11	B 11	B 12	C 14	C 15	F 20
	20.9462	24.9650	11.3505	12.6070	20.1810		13.3702	3.0198	9.8732	-0.0119
	-8.6644	-6.6318	8.5877	8.0283	8.5859	9.1221		17.2067	18.1304	7.7289
	0.0012	0.0016	0.0009	0.0010	0.0023	0.0007		0.0014	0.0012	0.0009
HE4	LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
	14.9073	20.9462	4.9442	11.3505	12.6070	12.0522		3.1246	3.0198	-1.4860
	-20.6095	-14.9475	-20.0175	-11.5635	1.0752	-16.9223	-18.9244	-5.4905	5.9768	-10.8824
	0.0372	0.0042	0.0127	0.0042	0.0041	0.0043	0.0042	0.0043	0.0042	0.0040
HE6	LI 5	LI 6	BE 6	BE 7	BE 8	B 8	B 9	C 11	C 12	F 17
	11.6790	14.0884	18.3760	15.7689	4.9442	22.9231	12.4186	10.6484	0.	1.9519
	-16.8747	-14.9475	-12.2201	-7.1921	-11.4170	4.5664	-14.3465		-3.8836	-4.6130
	0.0190	0.0042	0.0016	0.0016	0.0019	0.0014	0.0015		0.0020	0.0015
LI6	HE 5	HE 6	LI 6	LI 7	LI 8	BE 8	BE 9	B 11	B 12	O 17
	11.4540	17.5982	14.0884	14.9073	20.9462	4.9442	11.3505		13.3702	-0.8077

5 B 11

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-8.6644	-9.6222	-10.6296	-7.1921	-6.1970	-7.0772	-8.7591	-4.2034		-1.5031
	0.0012	0.0190	0.0370	0.0016	0.0016	0.0016	0.0014	0.0017		0.0012
LI7	HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	0 16
	2.4248	11.4540	11.6790	14.0884	14.9073	15.7689	4.9442	12.0522		-4.7365
	-27.2099	-6.6318		-10.8216	-11.4170	-15.7232	-25.6227	-10.6087	-9.4234	-15.1384
	0.0015	0.0016	MASS	0.0370	0.0019	0.0121	0.0019	0.0023	0.0019	0.0019
LI8	HE 3	HE 4	LI 4	LI 5	LI 6	BE 6	BE 7	B 9	B 10	0 15
	14.9313	2.4248	UNKNOWN	11.6790	14.0884	18.3760	15.7689	12.4186	12.0522	2.8599
		-23.1572			-13.0264		-32.2486	-25.1320	-13.8086	-24.3053
	NO	0.0200	NO	MASS	0.0421	MASS	0.0233	0.0201	0.0201	0.0200
LI9		HE 3		LI 4	LI 5	BE 5	BE 6	B 8	B 9	0 14
	REACTION	14.9313	REACTION	UNKNOWN	11.6790	UNKNOWN	18.3760	22.9231	12.4186	8.0080
			-11.2662	-11.5635		-7.0772	-25.6227	-5.6198	-12.3749	-12.7863
	MASS	MASS	0.0190	0.0042	MASS	0.0016	0.0019	0.0027	0.0151	0.0037
BE7	H 4	H 5	HE 5	HE 6	HE 7	LI 7	LI 8	BE 10	BE 11	N 16
	UNKNOWN	UNKNOWN	11.4540	17.5982	UNKNOWN	14.9073	20.9462	12.6070	20.1810	5.6851
	-15.8187	-9.5613	-10.3252	8.0283	0.8131	0.5695	-14.3465	6.4614	0.8740	-5.5465
	0.0010	0.0010	0.0010	0.0010	0.0190	0.0370	0.0015	0.0017	0.0017	0.0010
BE9	H 2	H 3	HE 3	HE 4	HE 5	LI 5	LI 6	BE 8	BE 9	N 14
	13.1359	14.9499	14.9313	2.4248	11.4540	11.6790	14.0884	4.9442	11.3505	2.8637
	-11.2283	-9.0038		-5.7347	8.5859		-13.1936	-5.6198	6.0238	-9.2845
	0.0022	0.0022	NO	0.0022	0.0023	MASS	0.0371	0.0027	0.0026	0.0025
BE10	H 1	H 2		HE 3	HE 4	LI 4	LI 5	BE 7	BE 8	N 13
	7.2890	13.1359	REACTION	14.9313	2.4248	UNKNOWN	11.6790	15.7689	4.9442	5.3452
						-16.9223		-25.1320		-24.1286
	NO	NO	MASS	MASS	MASS	0.0043	MASS	0.0201	MASS	0.0018
B8			H 4	H 5	H 6	HE 6	HE 7	LI 9	LI 10	C 15
	REACTION	REACTION	UNKNOWN	UNKNOWN	UNKNOWN	17.5982	UNKNOWN	24.9650	UNKNOWN	9.8732
	-11.4560		-9.2314	-5.1986		9.1221	-12.4138	-4.2034	-9.4234	-6.5091
	0.0006	NO	0.0006	0.0006	MASS	0.0007	0.0190	0.0017	0.0019	0.0010
B10	N 1		H 2	H 3	H 4	HE 4	HE 5	LI 7	LI 8	C 13
	8.0714	REACTION	13.1359	14.9499	UNKNOWN	2.4248	11.4540	14.9073	20.9462	3.1246

6 C 12

MASS EXCESS O. +/- O. MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING		4.9468	1.9438	10.2722	14.8495	12.0714	7.1613	13.2160	16.3933	13.9333
GAMMA	C 12	0.0008	0.0011	0.0002	0.0008	0.0012	0.0005	0.0014	0.0014	0.0017
		C 13	N 13	N 14	N 15	O 15	O 16	F 18	F 19	MG 24
		3.1246	5.3452	2.8637	0.1004	2.8599	-4.7365	0.8724	-1.4860	-13.9333
N	-18.7198		-18.1314	-0.2807	4.0148	-1.1481	-8.5066	4.0651	5.9635	-2.5990
	0.0011		0.0090	0.0011	0.0003	0.0005	0.0013	0.0012	0.0014	0.0029
	C 11	C 12	N 12	N 13	N 14	O 14	O 15	F 17	F 18	MG 23
	10.6484		17.3490	5.3452	2.8637	8.0080	2.8599	1.9519	0.8724	-5.4724
P	-15.9567	-12.5878		2.7223	4.6411	4.7786	-4.9646	7.6071	8.4007	2.2393
	0.0003	0.0013		0.0008	0.0004	0.0003	0.0009	0.0014	0.0011	0.0019
	B 11	B 12	C 12	C 13	C 14	N 14	N 15	O 17	O 18	NA 23
	8.6677	13.3702		3.1246	3.0198	2.8637	0.1004	-0.8077	-0.7824	-9.5283
D	-25.1881	-13.7322	-16.4953		-1.3106	-3.5498	-13.5749	5.6890	2.5791	-7.9537
	0.0005	0.0003	0.0011		0.0008	0.0011	0.0005	0.0011	0.0014	0.0027
	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
	12.0522	8.6677	10.6484		3.1246	5.3452	2.8637	-4.7365	-0.8077	-5.1822
T	-27.3685	-18.9307	-23.3190	-12.4624		-17.3676	-17.8704	-3.7214	4.6939	-12.7649
	0.0013	0.0006	0.0130	0.0011		0.0090	0.0012	0.0016	0.0012	0.0080
	B 9	B 10	C 10	C 11	C 12	N 12	N 13	O 15	O 16	NA 21
	12.4186	12.0522	15.6580	10.6484		17.3490	5.3452	2.8599	-4.7365	-2.1850
HE3	-26.2818	-19.4669	-19.6945	-10.4631	-13.3516		-15.6312	-0.9433	-5.7091	-9.2014
	0.0009	0.0022	0.0005	0.0004	0.0013		0.0009	0.0014	0.0037	0.0015
	BE 9	BE 10	B 10	B 11	B 12	C 12	C 13	N 15	N 16	NE 21
	11.3505	12.6070	12.0522	8.6677	13.3702		3.1246	0.1004	5.6851	-5.7299
HE4	-7.3689	-5.7038	-7.5544	-1.3410	3.8575	1.8582		8.7999	12.3821	4.6167
	0.0009	0.0010	0.0014	0.0006	0.0005	0.0012		0.0012	0.0014	0.0006
	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
	4.9442	11.3505	12.4186	12.0522	8.6677	10.6484		2.8637	0.1004	-7.0415
HE6	-35.9742	-25.2957		-27.3854	-15.0669	-31.6569	-30.8314	-20.8588	-8.0361	-22.9175
	0.0126	0.0041	MASS	0.0043	0.0042	0.0701	0.0136	0.0099	0.0043	0.0062
	BE 6	BE 7	B 7	B 8	B 9	C 9	C 10	N 12	N 13	NE 18
	18.3760	15.7689	UNKNOWN	22.9231	12.4186	28.9900	15.6580	17.3490	5.3452	5.3193
LI6	-28.1768	-20.9243	-22.5683	-5.8967	-10.4890	-11.5757	-23.7158		-2.3057	-14.9608
	0.0016	0.0016	0.0016	0.0014	0.0014	0.0017	0.0013		0.0017	0.0014
	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
	14.0884	14.9073	15.7689	4.9442	11.3505	12.4186	12.0522		3.1246	0.8724

6 C 12

-12-

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-26.5863	-20.9243	-25.9943	-17.5403	-4.9015	-22.8991	-24.9011	-11.4673		-16.8592
	0.0370	0.0016	0.0121	0.0016	0.0014	0.0019	0.0017	0.0019		0.0012
LI7	LI 5	LI 6	BE 6	BE 7	BE 8	B 8	B 9	C 11	C 12	F 17
	11.6790	14.0884	18.3760	15.7689	4.9442	22.9231	12.4186	10.6484		1.9519
		-24.5538		-26.1863	-21.7651		-41.4445	-22.5158	-16.6873	-31.6322
	MASS	0.0370	MASS	0.0121	0.0019	MASS	0.0022	0.0131	0.0022	0.0400
LI8	LI 4	LI 5	BE 5	BE 6	BE 7	B 7	B 8	C 10	C 11	F 16
	UNKNOWN	11.6790	UNKNOWN	18.3760	15.7689	UNKNOWN	22.9231	15.6580	10.6484	10.6860
					-28.3910			-39.8666	-25.7157	
	NO	MASS	NO	MASS	0.0233	MASS	MASS	0.0728	0.0239	MASS
LI9	LI 4	LI 4	REACT ION	BE 5	BE 6	B 6	B 7	C 9	C 10	F 15
	REACT ION	UNKNOWN	REACT ION	UNKNOWN	18.3760	UNKNOWN	UNKNOWN	28.9900	15.6580	UNKNOWN
	-27.2229	-25.2957	-22.5683	-17.5403	-21.7651	-5.7818	-24.6946	-10.3482	-14.2318	-14.9612
	0.0190	0.0041	0.0016	0.0016	0.0019	0.0014	0.0015	0.0016	0.0020	0.0014
BE7	HE 5	HE 6	LI 6	LI 7	LI 8	BE 8	BE 9	B 11	B 12	O 17
	11.4540	17.5982	14.0884	14.9073	20.9462	4.9442	11.3505	8.6677	13.3702	-0.8077
	-26.2818	-5.7038		-9.8936	-10.4890	-14.7952	-24.6946	-9.6807	-8.4954	-14.2104
	0.0009	0.0010	MASS	0.0370	0.0014	0.0120	0.0015	0.0019	0.0015	0.0015
BE9	HE 3	HE 4	LI 4	LI 5	LI 6	BE 6	BE 7	B 9	B 10	O 15
	14.9313	2.4248	UNKNOWN	11.6790	14.0884	18.3760	15.7689	12.4186	12.0522	2.8599
		-19.4669			-9.3361		-28.5582	-21.4417	-10.1183	-20.6150
	NO	0.0022	NO	MASS	0.0371	MASS	0.0122	0.0029	0.0028	0.0022
BE10	HE 3	HE 3	REACT ION	LI 4	LI 5	BE 5	BE 6	B 8	B 9	D 14
	REACT ION	14.9313	REACT ION	UNKNOWN	11.6790	UNKNOWN	18.3760	22.9231	12.4186	8.0080
			-27.0881	-27.3854		-22.8991	-41.4445	-21.4417	-28.1968	-28.6082
	MASS	MASS	0.0191	0.0043	MASS	0.0019	0.0022	0.0029	0.0151	0.0038
BB	H 4	H 5	HE 5	HE 6	HE 7	LI 7	LI 8	BE 10	BE 11	N 16
	UNKNOWN	UNKNOWN	11.4540	17.5982	UNKNOWN	14.9073	20.9462	12.6070	20.1810	5.6851
	-25.1881	-18.9307	-19.6945	-1.3410	-8.5562	-8.7999	-23.7158	-2.9080	-8.4954	-14.9159
	0.0005	0.0006	0.0005	0.0006	0.0190	0.0370	0.0013	0.0014	0.0015	0.0005
B10	H 2	H 3	HE 3	HE 4	HE 5	LI 5	LI 6	BE 8	EE 9	N 14
	13.1359	14.9499	14.9313	2.4248	11.4540	11.6790	14.0884	4.9442	11.3505	2.8637
	-15.9567	-13.7322		-10.4631	3.8575		-17.9219	-10.3482	1.2954	-14.0129
	0.0003	0.0003	NO	0.0004	0.0005	MASS	0.0370	0.0016	0.0014	0.0011
B11	H 1	H 2	REACT ION	HE 3	HE 4	LI 4	LI 5	BE 7	BE 8	N 13
	7.2890	13.1359	REACT ION	14.9313	2.4248	UNKNOWN	11.6790	15.7689	4.9442	5.3452

6 C 13

MASS EXCESS 3.1246 +/- 0.0008 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.1762	7.5499	16.1601	12.3894	22.7925	6.3570	18.6990	18.0438	16.3153
		0.0009	0.0008	0.0011	0.0036	0.0009	0.0013	0.0016	0.0049	0.0021
GAMMA	C 13	C 14	N 14	N 15	N 16	O 16	O 17	F 19	F 20	MG 25
		3.0198	2.8637	0.1004	5.6851	-4.7365	-0.8077	-1.4860	-0.0119	-13.1907
		-4.9468	-3.0031	5.3253	9.9027	7.1246	2.2145	8.2692	11.4465	8.9865
		0.0008	0.0014	0.0008	0.0012	0.0015	0.0009	0.0016	0.0016	0.0019
N	C 12	C 13	N 13	N 14	N 15	O 15	O 16	F 18	F 19	MG 24
		0.	5.3452	2.8637	0.1004	2.8599	-4.7365	0.8724	-1.4860	-13.9333
		-17.5346	-12.6546	5.9517	0.9124	10.6665	-7.4247	10.7064	7.4102	4.2540
		0.0015	0.0041	0.0009	0.0012	0.0012	0.0036	0.0014	0.0032	0.0033
P	B 12	B 13	C 13	C 14	C 15	N 15	N 16	O 18	O 19	NA 24
		13.3702	16.5616	3.0198	9.8732	0.1004	5.6851	-0.7824	3.3327	-8.4184
		-18.6790	-15.3101	-2.7223	1.9188	2.0563	-7.6870	4.8848	5.6784	-0.4830
		0.0009	0.0015	0.0008	0.0009	0.0009	0.0012	0.0016	0.0014	0.0021
D	B 11	B 12	C 12	C 13	C 14	N 14	N 15	O 17	O 18	NA 23
		8.6677	13.3702	0.	3.0198	2.8637	0.1004	-0.8077	-0.7824	-9.5283
		-23.8775	-12.4216	-15.1848	1.3106	-2.2392	-12.2643	6.9996	3.8896	-6.6431
		0.0010	0.0009	0.0014	0.0008	0.0014	0.0009	0.0014	0.0016	0.0028
T	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
		12.0522	8.6677	10.6484	0.	5.3452	2.8637	-4.7365	-0.8077	-5.1822
		-24.4137	-23.9163	-13.1854	-12.0410	-13.4184	-12.4018	-3.4034	-4.7704	-3.7818
		0.0024	0.0150	0.0009	0.0015	0.0041	0.0010	0.0038	0.0151	0.0010
HE3	BE 10	BE 11	B 11	B 12	B 13	C 13	C 14	N 16	N 17	NE 22
		12.6070	20.1810	8.6677	13.3702	16.5616	3.0198	5.6851	7.8710	-8.0249
		-10.6506	-3.8357	-4.0634	5.1681	2.2796	15.6312	14.6878	9.9220	6.4297
		0.0013	0.0024	0.0010	0.0009	0.0016	0.0009	0.0016	0.0038	0.0017
HE4	BE 9	BE 10	B 10	B 11	B 12	C 12	C 13	N 15	N 16	NE 21
		11.3505	12.6070	12.0522	8.6677	13.3702	0.	0.1004	5.6851	-5.7299
		-30.2425	-11.3464	-30.1077	-13.7563	-11.5759	-15.2003	-22.6972	-5.7304	-2.4300
		0.0042	0.0042	0.0043	0.0043	0.0041	0.0136	0.0042	0.0044	0.0044
HE6	BE 7	BE 8	B 8	B 9	B 10	C 10	C 11	N 13	N 14	NE 19
		15.7689	4.9442	22.9231	12.4186	12.0522	15.6580	10.6484	5.3452	2.8637
		-25.8711	-23.8386	-8.6190	-9.1784	-8.6209	-8.0847	-17.2067	0.9237	-9.4778
		0.0017	0.0020	0.0016	0.0016	0.0026	0.0015	0.0014	0.0018	0.0016
LI6	LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
		14.9073	20.9462	4.9442	11.3505	12.6070	12.0522	8.6677	3.0198	-1.4860

6 C 13

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-25.8711	-18.6186	-20.2626	-3.5910	-8.1833	-9.2700	-21.4101	2.3057		-12.6551
	0.0017	0.0018	0.0018	0.0016	0.0016	0.0019	0.0015	0.0017		0.0016
LI7	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
	14.0884	14.9073	15.7689	4.9442	11.3505	12.4186	12.0522	0.		0.8724
	-29.5006	-23.8386	-28.9086	-20.4546	-7.8158	-25.8134	-27.8154	-14.3816	-2.9143	-19.7735
	0.0370	0.0020	0.0121	0.0020	0.0019	0.0023	0.0022	0.0023	0.0020	0.0018
LI8	LI 5	LI 6	BE 6	BE 7	BE 8	B 8	B 9	C 11	C 12	F 17
	11.6790	14.0884	18.3760	15.7689	4.9442	22.9231	12.4186	10.6484	0.	1.9519
		-25.4480		-27.0805	-22.6593		-42.3387	-23.4100	-17.5815	-32.5264
	MASS	0.0421	MASS	0.0233	0.0200	MASS	0.0201	0.0239	0.0201	0.0447
LI9	LI 4	LI 5	BE 5	BE 6	BE 7	B 7	B 8	C 10	C 11	F 16
	UNKNOWN	11.6790	UNKNOWN	18.3760	15.7689	UNKNOWN	22.9231	15.6580	10.6484	10.6860
	-30.2425		-20.2626	-20.4546	-22.6593	-9.0635	-22.8266	-11.9261	-14.2986	-11.8619
	0.0042	MASS	0.0018	0.0020	0.0200	0.0016	0.0026	0.0022	0.0044	0.0014
BE7	HE 6	HE 7	LI 7	LI 8	LI 9	BE 9	BE 10	B 12	B 13	0 18
	17.5982	UNKNOWN	14.9073	20.9462	24.9650	11.3505	12.6070	13.3702	16.5616	-0.7824
	-10.6506	-11.6085	-12.6159	-9.1784	-8.1833	-9.0635	-10.7454	-6.1897	-1.9863	-3.4893
	0.0013	0.0190	0.0370	0.0016	0.0016	0.0016	0.0015	0.0017	0.0017	0.0012
BE9	HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	0 16
	2.4248	11.4540	11.6790	14.0884	14.9073	15.7689	4.9442	12.0522	8.6677	-4.7365
	-24.4137	-3.8357		-8.0255	-8.6209	-12.9271	-22.8266	-7.8126	-6.6273	-12.3423
	0.0024	0.0024	MASS	0.0371	0.0026	0.0122	0.0026	0.0029	0.0026	0.0026
BE10	HE 3	HE 4	LI 4	LI 5	LI 6	BE 6	BE 7	B 9	B 10	0 15
	14.9313	2.4248	UNKNOWN	11.6790	14.0884	18.3760	15.7689	12.4186	12.0522	2.8599
			-30.1077		-36.4985	-25.8134	-42.3387	-25.8911	-29.9912	-27.6695
	MASS	MASS	0.0043	MASS	0.1200	0.0023	0.0201	0.0151	1.0000	0.0151
B8	H 5	H 6	HE 6	HE 7	HE 8	LI 8	LI 9	BE 11	BE 12	N 17
	UNKNOWN	UNKNOWN	17.5982	UNKNOWN	31.6500	20.9462	24.9650	20.1810	25.1000	7.8710
	-23.8775		-4.0634	-7.2457	-11.5759	-8.0847	-21.4101	-6.1897	-6.6273	-9.0280
	0.0010	MASS	0.0010	0.0190	0.0041	0.0015	0.0015	0.0017	0.0026	0.0012
B10	H 3	H 4	HE 4	HE 5	HE 6	LI 6	LI 7	BE 9	BE 10	N 15
	14.9499	UNKNOWN	2.4248	11.4540	17.5982	14.0884	14.9073	11.3505	12.6070	0.1004
	-18.6790	-12.4216	-13.1854	5.1681	-2.0471	-2.2907	-17.2067	3.6011	-1.9863	-8.4068
	0.0009	0.0009	0.0009	0.0009	0.0190	0.0370	0.0014	0.0016	0.0017	0.0009
B11	H 2	H 3	HE 3	HE 4	HE 5	LI 5	LI 6	BE 8	BE 9	N 14
	13.1359	14.9499	14.9313	2.4248	11.4540	11.6790	14.0884	4.9442	11.3505	2.8637

6 C 14

MASS EXCESS 3.0198 +/- 0.0003 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		1.2181	10.2084	10.4706	10.0988	18.7589	6.2270	17.1201	17.9731	19.2340
		0.0010	0.0009	0.0035	0.0150	0.0010	0.0006	0.0048	0.0071	0.0018
GAMMA	C 14	C 15	N 15	N 16	N 17	O 17	O 18	F 20	F 21	MG 26
		9.8732	0.1004	5.6851	7.8710	-0.8077	-0.7824	-0.0119	-0.0460	-16.2142
		-8.1762	-0.6264	7.9839	4.2132	14.6163	-1.8192	10.5228	9.8676	8.1391
		0.0009	0.0004	0.0009	0.0035	0.0005	0.0010	0.0014	0.0048	0.0019
N	C 13	C 14	N 14	N 15	N 16	O 16	O 17	F 19	F 20	MG 25
		3.1246	2.8637	0.1004	5.6851	-4.7365	-0.8077	-1.4860	-0.0119	-13.1907
		-20.8308		-1.0065	-3.0122	4.9771	-9.7154	6.4865	6.8391	5.0868
		0.0040	MASS	0.0010	0.0160	0.0035	0.0150	0.0031	0.0081	0.0090
P	B 13	B 14	C 14	C 15	C 16	N 16	N 17	O 19	O 20	NA 25
		16.5616	UNKNOWN	9.8732	13.6930	5.6851	7.8710	3.3327	3.7990	-9.3560
		-23.4863	-18.6063	-5.9517	-5.0393	4.7148	-13.3764	4.7547	1.4585	-1.6977
		0.0013	0.0040	0.0009	0.0010	0.0009	0.0035	0.0012	0.0031	0.0032
D	B 12	B 13	C 13	C 14	C 15	N 15	N 16	O 18	O 19	NA 24
		13.3702	16.5616	3.1246	9.8732	0.1004	5.6851	-0.7824	3.3327	-8.4184
		-20.5978	-17.2289	-4.6411	-1.9188	0.1375	-9.6058	2.9660	3.7596	-2.4018
		0.0005	0.0014	0.0004	0.0009	0.0005	0.0010	0.0015	0.0012	0.0019
T	B 11	B 12	C 12	C 13	C 14	N 14	N 15	O 17	O 18	NA 23
		8.6677	13.3702	0.	3.1246	2.8637	0.1004	-0.8077	-0.7824	-9.5283
		-32.0925	-28.9401	-17.9927	-15.3372		-19.3600	-5.6941	-10.1042	-6.7632
		0.0150	1.0000	0.0014	0.0040	MASS	0.0010	0.0150	0.4000	0.0034
HE3	BE 11	BE 12	B 12	B 13	B 14	C 14	C 15	N 17	N 18	NE 23
		20.1810	25.1000	13.3702	16.5616	UNKNOWN	9.8732	7.8710	13.1000	-5.1483
		-12.0119	-11.5145	-0.7836	0.3608	-1.0166	12.4018	8.9984	7.6314	8.6200
		0.0023	0.0150	0.0006	0.0014	0.0040	0.0010	0.0037	0.0150	0.0008
HE4	BE 10	BE 11	B 11	B 12	B 13	C 13	C 14	N 16	N 17	NE 22
		12.6070	20.1810	8.6677	13.3702	16.5616	3.1246	5.6851	7.8710	-8.0249
		-19.5226	-17.8574	-19.7080	-13.4947	-8.2961	-10.2954	-12.1536	-3.3537	0.2285
		0.0041	0.0041	0.0042	0.0040	0.0040	0.0042	0.0040	0.0042	0.0040
HE6	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
		4.9442	11.3505	12.4186	12.0522	8.6677	10.6484	0.	2.8637	-7.0415
		-32.0148	-27.9621	-15.1301	-10.5397	-16.2996	-4.8049	-22.0140	-6.0345	-11.0567
		0.0019	0.0200	0.0015	0.0025	0.0150	0.0012	0.0018	0.0018	0.0048
LI6	LI 8	LI 9	BE 9	BE 10	BE 11	B 11	B 12	C 14	C 15	F 20
		20.9462	24.9650	11.3505	12.6070	20.1810	8.6677	13.3702	9.8732	-0.0119

6 C 14

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-26.7948	-24.7622	-9.5427	-10.1021	-9.5445	-9.0083	-18.1304	-0.9237		-10.4015
	0.0016	0.0019	0.0014	0.0015	0.0025	0.0013	0.0012	0.0018		0.0014
LI7	LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
	14.9073	20.9462	4.9442	11.3505	12.6070	12.0522	8.6677	3.1246		-1.4860
	-32.0148	-24.7622	-26.4063	-9.7347	-14.3269	-15.4136	-27.5538	-3.8380	-6.1437	-18.7988
	0.0019	0.0019	0.0019	0.0017	0.0018	0.0020	0.0017	0.0019	0.0020	0.0017
LI8	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
	14.0884	14.9073	15.7689	4.9442	11.3505	12.4186	12.0522	0.	3.1246	0.8724
	-33.6242	-27.9621	-33.0322	-24.5782	-11.9394	-29.9369	-31.9390	-18.5052	-7.0379	-23.8971
	0.0421	0.0200	0.0233	0.0200	0.0200	0.0201	0.0200	0.0201	0.0200	0.0200
LI9	LI 5	LI 6	BE 6	BE 7	BE 8	B 8	B 9	C 11	C 12	F 17
	11.6790	14.0884	18.3760	15.7689	4.9442	22.9231	12.4186	10.6484	0.	1.9519
		-36.3276	-26.4063	-24.5782		-10.4247	-30.5053	-15.2223		-16.0818
	MASS	0.1200	0.0019	0.0200	MASS	0.0025	0.0150	0.0043	MASS	0.0031
BE7	HE 7	HE 8	LI 8	LI 9	LI 10	BE 10	BE 11	B 13	B 14	O 19
	UNKNOWN	31.6500	20.9462	24.9650	UNKNOWN	12.6070	20.1810	16.5616	UNKNOWN	3.3327
	-19.7847	-17.8574	-15.1301	-10.1021	-14.3269	1.6565	-17.2564	-2.9100	-6.7936	-7.5230
	0.0190	0.0041	0.0015	0.0015	0.0018	0.0013	0.0014	0.0015	0.0019	0.0013
BE9	HE 5	HE 6	LI 6	LI 7	LI 8	BE 8	BE 9	B 11	B 12	O 17
	11.4540	17.5982	14.0884	14.9073	20.9462	4.9442	11.3505	8.6677	13.3702	-0.8077
	-12.0119	-12.9697	-13.9772	-10.5397	-9.5445	-10.4247	-12.1066	-7.5510	-3.3476	-4.8506
	0.0023	0.0191	0.0371	0.0025	0.0025	0.0025	0.0024	0.0025	0.0025	0.0022
BE10	HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	O 16
	2.4248	11.4540	11.6790	14.0884	14.9073	15.7689	4.9442	12.0522	8.6677	-4.7365
				-38.4174		-29.9369		-30.9149		-33.0033
	MASS	MASS	MASS	0.1200	MASS	0.0201	MASS	1.0000	MASS	0.4000
B8	H 6	H 7	HE 7	HE 8	HE 9	LI 9	LI 10	BE 12	BE 13	N 18
	UNKNOWN	UNKNOWN	UNKNOWN	31.6500	UNKNOWN	24.9650	UNKNOWN	25.1000	UNKNOWN	13.1000
			-13.1974	-13.4947		-9.0083	-27.5538	-7.5510	-14.3061	-14.7175
	MASS	MASS	0.0190	0.0040	MASS	0.0013	0.0017	0.0025	0.0151	0.0035
B10	H 4	H 5	HE 5	HE 6	HE 7	LI 7	LI 8	BE 10	BE 11	N 16
	UNKNOWN	UNKNOWN	11.4540	17.5982	UNKNOWN	14.9073	20.9462	12.6070	20.1810	5.6851
	-20.5978		-0.7836	-3.9660	-8.2961	-4.8049	-18.1304	-2.9100	-3.3476	-5.7483
	0.0005	MASS	0.0006	0.0190	0.0040	0.0012	0.0012	0.0015	0.0025	0.0009
B11	H 3	H 4	HE 4	HE 5	HE 6	LI 6	LI 7	BE 9	BE 10	N 15
	14.9499	UNKNOWN	2.4248	11.4540	17.5982	14.0884	14.9073	11.3505	12.6070	0.1004

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6 C 14

7 N 14

MASS EXCESS 2.8637 +/- 0.0002 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		10.8348	7.2928	20.7362	18.6214	15.8432	4.4161	23.9936	23.5009	15.0745
		0.0008	0.0012	0.0004	0.0009	0.0006	0.0009	0.0012	0.0019	0.0023
GAMMA	N 14	N 15	O 15	O 16	O 17	F 17	F 18	NE 20	NE 21	AL 26
		0.1004	2.8599	-4.7365	-0.8077	1.9519	0.8724	-7.0415	-5.7299	-12.2108
	-10.5529		-5.9267	5.0683	14.4788	-0.9624	-4.7349	7.1287	16.7411	3.7233
	0.0011		0.0005	0.0012	0.0004	0.0400	0.0007	0.0020	0.0012	0.0060
N	N 13	N 14	O 14	O 15	O 16	F 16	F 17	NE 19	NE 20	AL 25
	5.3452		8.0080	2.8599	-4.7365	10.6860	1.9519	1.7520	-7.0415	-8.9310
	-7.5499	0.6264		8.6102	4.8396	15.2426	-1.1928	11.1491	10.4939	8.7654
	0.0008	0.0004		0.0008	0.0035	0.0004	0.0010	0.0014	0.0048	0.0019
P	C 13	C 14	N 14	N 15	N 16	O 16	O 17	F 19	F 20	MG 25
	3.1246	3.0198		0.1004	5.6851	-4.7365	-0.8077	-1.4860	-0.0119	-13.1907
	-10.2722	-5.3253	-8.3284		4.5774	1.7993	-3.1109	2.9438	6.1211	3.6611
	0.0002	0.0008	0.0011		0.0009	0.0012	0.0005	0.0014	0.0014	0.0017
D	C 12	C 13	N 13	N 14	N 15	O 15	O 16	F 18	F 19	MG 24
	0.	3.1246	5.3452		0.1004	2.8599	-4.7365	0.8724	-1.4860	-13.9333
	-22.7346	-4.0148	-22.1462	-4.2955		-5.1629	-12.5214	0.0503	1.9487	-6.6138
	0.0011	0.0003	0.0090	0.0011		0.0005	0.0013	0.0012	0.0014	0.0029
T	C 11	C 12	N 12	N 13	N 14	O 14	O 15	F 17	F 18	MG 23
	10.6484	0.	17.3490	5.3452		8.0080	2.8599	1.9519	0.8724	-5.4724
	-20.7353	-17.3664	-4.7786	-2.0563	-0.1375		-9.7433	2.8285	3.6221	-2.5393
	0.0004	0.0013	0.0003	0.0009	0.0005		0.0009	0.0015	0.0012	0.0019
HE3	B 11	B 12	C 12	C 13	C 14	N 14	N 15	O 17	O 18	NA 23
	8.6677	13.3702	0.	3.1246	3.0198		0.1004	-0.8077	-0.7824	-9.5283
	-11.6132	-0.1573	-2.9204	13.5749	12.2643	10.0251		19.2639	16.1540	5.6212
	0.0007	0.0005	0.0012	0.0005	0.0009	0.0012		0.0012	0.0015	0.0027
HE4	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
	12.0522	8.6677	10.6484	0.	3.1246	5.3452		-4.7365	-0.8077	-5.1822
	-37.6576	-19.0816	-36.4355	-17.2566	-10.4329		-29.6587	-8.6541	-2.6871	-21.7145
	0.0043	0.0042	0.0701	0.0136	0.0042	MASS	0.0099	0.0042	0.0043	0.0801
HE6	B 8	B 9	C 9	C 10	C 11	N 11	N 12	O 14	O 15	NA 20
	22.9231	12.4186	28.9900	15.6580	10.6484	UNKNOWN	17.3490	8.0080	2.8599	6.9800
	-16.1689	-14.5037	-16.3543	-10.1410	-4.9424	-6.9417	-8.7999		3.5822	-4.1832
	0.0014	0.0014	0.0017	0.0012	0.0012	0.0016	0.0012		0.0018	0.0012
LI6	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
	4.9442	11.3505	12.4186	12.0522	8.6677	10.6484	0.		0.1004	-7.0415

7 N 14

-18-

	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
		-27.8125	-8.9163	-27.6777	-11.3263	-9.1458	-12.7702	-20.2672	-3.3004		-13.7956
		0.0016	0.0014	0.0019	0.0017	0.0012	0.0130	0.0016	0.0019		0.0020
LI7		BE 7	BE 8	B 8	B 9	B 10	C 10	C 11	N 13	N 14	NE 19
		15.7689	4.9442	22.9231	12.4186	12.0522	15.6580	10.6484	5.3452		1.7520
		-36.4585	-25.7799		-27.8697	-15.5511	-32.1411	-31.3157	-21.3431	-8.5204	-23.4018
		0.0121	0.0019	MASS	0.0021	0.0020	0.0700	0.0131	0.0092	0.0022	0.0049
LI8		BE 6	BE 7	B 7	B 8	B 9	C 9	C 10	N 12	N 13	NE 18
		18.3760	15.7689	UNKNOWN	22.9231	12.4186	28.9900	15.6580	17.3490	5.3452	5.3193
			-32.4058			-30.0744		-48.6665		-24.5430	-38.6113
		MASS	0.0233	MASS	MASS	0.0201	MASS	0.0728	MASS	0.0220	0.2010
LI9		BE 5	BE 6	B 6	B 7	B 8	C 8	C 9	N 11	N 12	NE 17
		UNKNOWN	18.3760	UNKNOWN	UNKNOWN	22.9231	UNKNOWN	28.9900	UNKNOWN	17.3490	16.5100
		-27.8125	-25.7799	-10.5604	-11.1198	-10.5622	-10.0260	-19.1481	-1.9414	-1.0177	-11.4192
		0.0016	0.0019	0.0014	0.0014	0.0025	0.0012	0.0012	0.0018	0.0016	0.0014
BE7		LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
		14.9073	20.9462	4.9442	11.3505	12.6070	12.0522	8.6677	3.1246	3.0198	-1.4860
		-20.1658	-14.5037	-19.5738	-11.1198	1.5190	-16.4785	-18.4806	-5.0468	6.4205	-10.4387
		0.0370	0.0014	0.0120	0.0014	0.0012	0.0018	0.0016	0.0018	0.0014	0.0010
BE9		LI 5	LI 6	BE 6	BE 7	BE 8	B 8	B 9	C 11	C 12	F 17
		11.6790	14.0884	18.3760	15.7689	4.9442	22.9231	12.4186	10.6484	0.	1.9519
			-13.3508		-14.9834	-10.5622		-30.2416	-11.3129	-5.4844	-20.4293
		MASS	0.0371	MASS	0.0122	0.0025	MASS	0.0027	0.0132	0.0027	0.0401
BE10		LI 4	LI 5	BE 5	BE 6	BE 7	B 7	B 8	C 10	C 11	F 16
		UNKNOWN	11.6790	UNKNOWN	18.3760	15.7689	UNKNOWN	22.9231	15.6580	10.6484	10.6860
		-37.6576		-27.6777	-27.8697	-30.0744	-16.4785	-30.2416	-19.3412	-21.7137	-19.2769
		0.0043	MASS	0.0019	0.0021	0.0201	0.0018	0.0027	0.0023	0.0044	0.0015
B8		HE 6	HE 7	LI 7	LI 8	LI 9	BE 9	BE 10	B 12	B 13	O 18
		17.5982	UNKNOWN	14.9073	20.9462	24.9650	11.3505	12.6070	13.3702	16.5616	-0.7824
		-11.6132	-12.5710	-13.5785	-10.1410	-9.1458	-10.0260	-11.7079	-7.1523	-2.9489	-4.4519
		0.0007	0.0190	0.0370	0.0012	0.0012	0.0012	0.0010	0.0013	0.0013	0.0006
B10		HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	O 16
		2.4248	11.4540	11.6790	14.0884	14.9073	15.7689	4.9442	12.0522	8.6677	-4.7365
		-20.7353	-0.1573		-4.3470	-4.9424	-9.2486	-19.1481	-4.1342	-2.9489	-8.6638
		0.0004	0.0005	MASS	0.0370	0.0012	0.0120	0.0012	0.0017	0.0013	0.0013
B11		HE 3	HE 4	LI 4	LI 5	LI 6	BE 6	BE 7	B 9	B 10	O 15
		14.9313	2.4248	UNKNOWN	11.6790	14.0884	18.3760	15.7689	12.4186	12.0522	2.8599

7 N 15

MASS EXCESS 0.1004 +/- 0.0008 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING			2.4867	12.1259	14.0440	15.8328	14.1593	4.0111	19.9187	23.0326	17.2965
	GAMMA	N 15	0.0036	0.0009	0.0012	0.0009	0.0012	0.0012	0.0020	0.0015	0.0020
		N 16	0.16	0.17	0.18	F 18	F 19	NE 21	NE 22	AL 27	
		5.6651	-4.7365	-0.8077	-0.7824	0.8724	-1.4860	-5.7299	-8.0249	-17.1961	
	N	N 15	-10.8348	-3.5419	9.9014	7.7866	5.0084	-6.4187	13.1589	12.6662	4.2398
		N 14	0.0008	0.0014	0.0009	0.0012	0.0010	0.0012	0.0015	0.0020	0.0024
		N 15	2.8637	0.15	0.16	0.17	F 17	F 18	NE 20	NE 21	AL 26
				2.8599	-4.7365	-0.8077	1.9519	0.8724	-7.0415	-5.7299	-12.2108
	P	C 14	-10.2084	-8.9904	0.2622	-0.1096	8.5504	-3.9814	6.9117	7.7647	9.0256
		C 15	0.0009	0.0012	0.0036	0.0150	0.0012	0.0009	0.0049	0.0071	0.0020
		C 14	3.0198	9.8732	N 15	N 16	N 17	0.17	F 20	F 21	MG 26
					5.6851	7.8710	-0.8077	-0.7824	-0.0119	-0.0460	-16.2142
	D	C 13	-16.1601	-7.9839	-8.6102	-3.7707	6.6324	-9.8031	2.5389	1.8837	0.1552
		C 14	0.0011	0.0009	0.0008	0.0036	0.0009	0.0013	0.0016	0.0049	0.0021
		C 13	3.1246	3.0198	2.8637	N 15	N 16	0.16	F 19	F 20	MG 25
						5.6851	-4.7365	-0.8077	-1.4860	-0.0119	-13.1907
	T	C 12	-14.8495	-9.9027	-12.9058	-4.5774	-2.7781	-7.6882	-1.6336	1.5437	-0.9162
		C 13	0.0008	0.0012	0.0014	0.0009	0.0015	0.0010	0.0016	0.0016	0.0019
		C 12	0.	3.1246	5.3452	2.8637	0.15	0.16	F 18	F 19	MG 24
							2.8599	-4.7365	0.8724	-1.4860	-13.9333
	HE3	B 12	-28.2011	-23.3211	-10.6665	-4.7148	-9.7542	-18.0913	0.0399	-3.2563	-6.4125
		B 13	0.0015	0.0041	0.0012	0.0009	0.0012	0.0036	0.0014	0.0032	0.0033
		B 12	13.3702	16.5616	3.1246	3.0198	9.8732	N 15	N 16	0.18	NA 24
								5.6851	-0.7824	3.3327	-8.4184
	HE4	B 11	-10.9920	-7.6231	4.9646	7.6870	9.6058	9.7433	12.5717	13.3654	7.2040
		B 12	0.0009	0.0016	0.0009	0.0012	0.0010	0.0009	0.0017	0.0014	0.0021
		B 11	8.6677	13.3702	0.	3.1246	3.0198	N 14	N 15	0.17	NA 23
							2.8637		-0.8077	-0.7824	-9.5283
	HE6	B 9	-29.9164	-21.4786	-25.8668	-15.0103	-2.5479	-19.9155	-20.4182	-6.2693	2.1460
		B 10	0.0043	0.0041	0.0136	0.0042	0.0041	0.0099	0.0042	0.0044	0.0042
		B 9	12.4186	12.0522	15.6580	10.6484	0.	N 12	N 13	0.15	NA 21
							17.3490	5.3452	2.8599	-4.7365	-2.1850
	LI6	BE 9	-25.3385	-18.5236	-18.7512	-9.5198	-12.4083	0.9433	-14.6878	-4.7658	-8.2581
		BE 10	0.0016	0.0026	0.0015	0.0014	0.0019	0.0014	0.0016	0.0039	0.0020
		BE 9	11.3505	12.6070	12.0522	8.6677	13.3702	0.	C 12	C 13	NE 21
									3.1246	5.6851	-5.7299

7 N 15

	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
	-19.7511	-18.0860	-19.9365	-13.7232	-8.5246	-10.5240	-12.3821	-3.5822			-7.7654
	0.0016	0.0016	0.0019	0.0015	0.0014	0.0018	0.0014	0.0018	0.0018		0.0014
LI7	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15		NE 20
	4.9442	11.3505	12.4186	12.0522	8.6677	10.6484	0.	2.8637			-7.0415
	-36.6147	-17.7186	-36.4799	-20.1285	-17.9480	-21.5725	-29.0694	-12.1026	-8.8022	-22.5978	
	0.0020	0.0019	0.0023	0.0021	0.0018	0.0131	0.0021	0.0023	0.0020	0.0023	
LI8	BE 7	BE 8	B 8	B 9	B 10	C 10	C 11	N 13	N 14	NE 19	
	15.7689	4.9442	22.9231	12.4186	12.0522	15.6580	10.6484	5.3452	2.8637	1.7520	
	-43.2406	-32.5621		-34.6518	-22.3332	-38.9233	-38.0978	-28.1252	-15.3025	-30.1839	
	0.0233	0.0200	MASS	0.0201	0.0201	0.0728	0.0239	0.0220	0.0201	0.0206	
LI9	BE 6	BE 7	B 7	B 8	B 9	C 9	C 10	N 12	N 13	NE 18	
	18.3760	15.7689	UNKNOWN	22.9231	12.4186	28.9900	15.6580	17.3490	5.3452	5.3193	
	-36.6147	-32.5621	-19.7300	-15.1396	-20.8995	-9.4048	-26.6140	-4.5999	-10.6344	-15.6566	
	0.0020	0.0200	0.0016	0.0026	0.0151	0.0014	0.0019	0.0018	0.0020	0.0049	
BE7	LI 8	LI 9	BE 9	BE 10	BE 11	B 11	B 12	C 14	C 15	F 20	
	20.9462	24.9650	11.3505	12.6070	20.1810	8.6677	13.3702	3.0198	9.8732	-0.0119	
	-25.3385	-18.0860	-19.7300	-3.0584	-7.6507	-8.7374	-20.8775	2.8383	0.5326	-12.1225	
	0.0016	0.0016	0.0016	0.0015	0.0015	0.0018	0.0014	0.0016	0.0018	0.0014	
BE9	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18	
	14.0884	14.9073	15.7689	4.9442	11.3505	12.4186	12.0522	0.	3.1246	0.8724	
	-24.1856	-18.5236	-23.5936	-15.1396	-2.5009	-20.4984	-22.5004	-9.0666	2.4007	-14.4585	
	0.0371	0.0026	0.0122	0.0026	0.0025	0.0028	0.0027	0.0028	0.0026	0.0024	
BE10	LI 5	LI 6	BE 6	BE 7	BE 8	B 8	B 9	C 11	C 12	F 17	
	11.6790	14.0884	18.3760	15.7689	4.9442	22.9231	12.4186	10.6484	0.	1.9519	
		-46.4013	-36.4799	-34.6518		-20.4984	-40.5789	-25.2959		-26.1554	
	MASS	0.1200	0.0023	0.0201	MASS	0.0028	0.0151	0.0045	MASS	0.0034	
88	HE 7	HE 8	LI 8	LI 9	LI 10	BE 10	BE 11	B 13	B 14	0 19	
	UNKNOWN	31.6500	20.9462	24.9650	UNKNOWN	12.6070	20.1810	16.5616	UNKNOWN	3.3327	
	-23.4058	-21.4786	-18.7512	-13.7232	-17.9480	-1.9647	-20.8775	-6.5311	-10.4147	-11.1441	
	0.0190	0.0041	0.0015	0.0015	0.0018	0.0013	0.0014	0.0015	0.0019	0.0013	
B10	HE 5	HE 6	LI 6	LI 7	LI 8	BE 8	BE 9	B 11	B 12	0 17	
	11.4540	17.5982	14.0884	14.9073	20.9462	4.9442	11.3505	8.6677	13.3702	-0.8077	
	-10.9920	-11.9498	-12.9573	-9.5198	-8.5246	-9.4048	-11.0867	-6.5311	-2.3277	-3.8307	
	0.0009	0.0190	0.0370	0.0014	0.0014	0.0014	0.0012	0.0015	0.0014	0.0009	
811	HE 4	HE 5	LI 5	LI 6	LI 7	BE 7	BE 8	B 10	B 11	0 16	
	2.4248	11.4540	11.6790	14.0884	14.9073	15.7689	4.9442	12.0522	8.6677	-4.7365	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		4.1426	0.6005	7.5270	11.6994	8.4428	4.7297	14.5340	19.6990	16.7534
		0.0010	0.0006	0.0009	0.0009	0.0016	0.0007	0.0029	0.0022	0.0028
GAMMA	0 16	0 17	F 17	F 18	F 19	NE 19	NE 20	NA 22	NA 23	SI 28
		-0.8077	1.9519	0.8724	-1.4860	1.7520	-7.0415	-5.1822	-9.5283	-21.4899
	-15.6679		-16.2050	-1.6240	1.2696	-3.1959	-12.1352	3.4654	7.2815	-0.4220
	0.0012		0.0400	0.0006	0.0009	0.0047	0.0017	0.0081	0.0029	0.0026
N	0 15	0 16	F 16	F 17	F 18	NE 18	NE 19	NA 21	NA 22	SI 27
	2.8599		10.6860	1.9519	0.8724	5.3193	1.7520	-2.1850	-5.1822	-12.3860
	-12.1259	-9.6392		1.9181	3.7068	2.0334	-8.1148	7.7928	10.9067	5.1706
	0.0009	0.0035		0.0010	0.0005	0.0009	0.0009	0.0019	0.0013	0.0018
P	N 15	N 16	0 16	0 17	0 18	F 18	F 19	NE 21	NE 22	AL 27
	0.1004	5.6851		-0.8077	-0.7824	0.8724	-1.4860	-5.7299	-8.0249	-17.1961
	-20.7362	-9.9014	-13.4434		-2.1148	-4.8930	-16.3201	3.2574	2.7647	-5.6617
	0.0004	0.0009	0.0012		0.0010	0.0006	0.0009	0.0013	0.0019	0.0023
D	N 14	N 15	0 15	0 16	0 17	F 17	F 18	NE 20	NE 21	AL 26
	2.8637	0.1004	2.8599		-0.8077	1.9519	0.8724	-7.0415	-5.7299	-12.2108
	-25.0317	-14.4788	-20.4055	-9.4105		-15.4412	-19.2136	-7.3501	2.2623	-10.7555
	0.0012	0.0004	0.0005	0.0013		0.0400	0.0007	0.0020	0.0013	0.0060
T	N 13	N 14	0 14	0 15	0 16	F 16	F 17	NE 19	NE 20	AL 25
	5.3452	2.8637	8.0080	2.8599		10.6860	1.9519	1.7520	-7.0415	-8.9310
	-22.7925	-14.6163	-15.2426	-6.6324	-10.4030		-16.4354	-4.0935	-4.7487	-6.4772
	0.0009	0.0005	0.0004	0.0009	0.0035		0.0010	0.0014	0.0048	0.0019
HE3	C 13	C 14	N 14	N 15	N 16	0 16	0 17	F 19	F 20	MG 25
	3.1246	3.0198	2.8637	0.1004	5.6851		-0.8077	-1.4860	-0.0119	-13.1907
	-7.1613	-2.2145	-5.2175	3.1109	7.6882	4.9101		6.0547	9.2320	6.7720
	0.0005	0.0009	0.0012	0.0005	0.0010	0.0013		0.0014	0.0014	0.0018
HE4	C 12	C 13	N 13	N 14	N 15	0 15	0 16	F 18	F 19	MG 24
	0.	3.1246	5.3452	2.8637	0.1004	2.8599		0.8724	-1.4860	-13.9333
	-37.9927	-24.9117		-26.5478	-12.7300	-30.5134	-27.9180	-18.9323	-9.3794	-21.9547
	0.0136	0.0042	MASS	0.0099	0.0042	0.0701	0.0040	0.0402	0.0042	0.0502
HE6	C 10	C 11	N 11	N 12	N 13	0 13	0 14	F 16	F 17	MG 22
	15.6580	10.6484	UNKNOWN	17.3490	5.3452	23.1100	8.0080	10.6860	1.9519	-0.3800
	-30.8771	-19.4212	-22.1844	-5.6890	-6.9996	-9.2388	-19.2639		-3.1099	-13.6427
	0.0012	0.0012	0.0016	0.0011	0.0014	0.0016	0.0012		0.0018	0.0029
LI6	B 10	B 11	C 11	C 12	C 13	N 13	N 14	0 16	0 17	NA 22
	12.0522	8.6677	10.6484	0.	3.1246	5.3452	2.8637		-0.8077	-5.1822

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-32.0624	-23.6246	-28.0129	-17.1563	-4.6939	-22.0615	-22.5643	-8.4153		-17.4588
	0.0017	0.0012	0.0131	0.0016	0.0012	0.0091	0.0016	0.0020		0.0081
LI7	B 9	B 10	C 10	C 11	C 12	N 12	N 13	O 15	O 16	NA 21
	12.4186	12.0522	15.6580	10.6484	0.	17.3490	5.3452	2.8599		-2.1850
	-48.6058	-30.0299	-47.3838	-28.2048	-21.3812		-40.6070	-19.6023	-13.6353	-32.6627
	0.0021	0.0020	0.0700	0.0131	0.0019	MASS	0.0091	0.0019	0.0022	0.0800
LI8	B 8	B 9	C 9	C 10	C 11	N 11	N 12	O 14	O 15	NA 20
	22.9231	12.4186	28.9900	15.6580	10.6484	UNKNOWN	17.3490	8.0080	2.8599	6.9800
		-44.5532		-45.5556	-30.4096			-38.7231	-22.8022	
	MASS	0.0201	MASS	0.0728	0.0239	MASS	MASS	0.0728	0.0200	MASS
LI9	B 7	B 8	C 8	C 9	C 10	N 10	N 11	O 13	O 14	NA 19
	UNKNOWN	22.9231	UNKNOWN	28.9900	15.6580	UNKNOWN	UNKNOWN	23.1100	8.0080	UNKNOWN
	-31.8559	-25.0410	-25.2687	-16.0372	-18.9257	-5.5741	-21.2053	-6.5174	-11.2832	-14.7756
	0.0015	0.0025	0.0012	0.0012	0.0017	0.0012	0.0014	0.0018	0.0038	0.0019
BE7	BE 9	BE 10	B 10	B 11	B 12	C 12	C 13	N 15	N 16	NE 21
	11.3505	12.6070	12.0522	8.6677	13.3702	0.	3.1246	0.1004	5.6851	-5.7299
	-31.8559	-12.9598	-31.7212	-15.3697	-13.1893	-16.8137	-24.3107	-7.3438	-4.0435	-17.8390
	0.0015	0.0012	0.0018	0.0016	0.0011	0.0130	0.0015	0.0018	0.0015	0.0019
BE9	BE 7	BE 8	B 8	B 9	B 10	C 10	C 11	N 13	N 14	NE 19
	15.7689	4.9442	22.9231	12.4186	12.0522	15.6580	10.6484	5.3452	2.8637	1.7520
	-35.7195	-25.0410		-27.1307	-14.8122	-31.4022	-30.5768	-20.6041	-7.7814	-22.6628
	0.0122	0.0025	MASS	0.0027	0.0026	0.0700	0.0132	0.0093	0.0027	0.0052
BE10	BE 6	BE 7	B 7	B 8	B 9	C 9	C 10	N 12	N 13	NE 18
	18.3760	15.7689	UNKNOWN	22.9231	12.4186	28.9900	15.6580	17.3490	5.3452	5.3193
	-48.6058	-44.5532	-31.7212	-27.1307	-32.8907	-21.3960	-38.6051	-16.5911	-22.6256	-27.6477
	0.0021	0.0201	0.0018	0.0027	0.0151	0.0016	0.0020	0.0019	0.0021	0.0049
BB	LI 8	LI 9	BE 9	BE 10	BE 11	B 11	B 12	C 14	C 15	F 20
	20.9462	24.9650	11.3505	12.6070	20.1810	8.6677	13.3702	3.0198	9.8732	-0.0119
	-30.8771	-23.6246	-25.2687	-8.5970	-13.1893	-14.2760	-26.4162	-2.7003	-5.0060	-17.6611
	0.0012	0.0012	0.0012	0.0010	0.0011	0.0014	0.0009	0.0012	0.0015	0.0010
B10	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
	14.0884	14.9073	15.7689	4.9442	11.3505	12.4186	12.0522	0.	3.1246	0.8724
	-25.0832	-19.4212	-24.4912	-16.0372	-3.3985	-21.3960	-23.3981	-9.9642	1.5031	-15.3561
	0.0370	0.0012	0.0120	0.0012	0.0009	0.0016	0.0014	0.0016	0.0012	0.0007
B11	LI 5	LI 6	BE 6	BE 7	BE 8	B 8	B 9	C 11	C 12	F 17
	11.6790	14.0884	18.3760	15.7689	4.9442	22.9231	12.4186	10.6484	0.	1.9519

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MASS EXCESS -0.8077 +/- 0.0009 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		8.0462	5.6089	13.8142	14.1541	21.1651	7.3469	22.8090	22.5180	21.0859
		0.0010	0.0012	0.0012	0.0048	0.0011	0.0018	0.0024	0.0035	0.0038
GAMMA	0 17	0 18	F 18	F 19	F 20	NE 20	NE 21	NA 23	NA 24	SI 29
		-0.7824	0.8724	-1.4860	-0.0119	-7.0415	-5.7299	-9.5283	-8.4184	-21.8936
		-4.1426	-3.5421	3.3844	7.5568	4.3002	0.5871	10.3915	15.5565	12.6108
		0.0010	0.0010	0.0012	0.0012	0.0019	0.0011	0.0031	0.0024	0.0029
N	0 16	0 17	F 17	F 18	F 19	NE 19	NE 20	NA 22	NA 23	SI 28
		-4.7365	1.9519	0.8724	-1.4860	1.7520	-7.0415	-5.1822	-9.5283	-21.4899
		-13.7818	-7.8963	5.8216	3.5206	8.3206	-5.6600	14.0166	11.9589	8.7587
		0.0036	0.0150	0.0010	0.0030	0.0012	0.0048	0.0015	0.0037	0.0038
P	N 16	N 17	0 17	0 18	0 19	F 19	F 20	NE 22	NE 23	AL 28
		5.6851	7.8710	-0.7824	3.3327	-1.4860	-0.0119	-8.0249	-5.1483	-16.8554
		-14.0440	-11.5573	-1.9181	1.7888	0.1153	-10.0329	5.8747	8.9886	3.2525
		0.0012	0.0036	0.0010	0.0010	0.0012	0.0013	0.0021	0.0015	0.0020
D	N 15	N 16	0 16	0 17	0 18	F 18	F 19	NE 21	NE 22	AL 27
		0.1004	5.6851	-4.7365	-0.7824	0.8724	-1.4860	-5.7299	-8.0249	-17.1961
		-18.6214	-7.7866	-11.3286	2.1148	-2.7782	-14.2053	5.3722	4.8795	-3.5468
		0.0009	0.0012	0.0015	0.0010	0.0011	0.0013	0.0015	0.0021	0.0025
T	N 14	N 15	0 15	0 16	0 17	F 17	F 18	NE 20	NE 21	AL 26
		2.8637	0.1004	2.8599	-4.7365	1.9519	0.8724	-7.0415	-5.7299	-12.2108
		-18.7589	-17.5408	-8.5504	-8.2882	-8.6601	-12.5319	-1.6387	-0.7857	0.4752
		0.0010	0.0013	0.0012	0.0036	0.0150	0.0010	0.0049	0.0071	0.0020
HE3	C 14	C 15	N 15	N 16	N 17	0 17	0 18	F 20	F 21	MG 26
		3.0198	9.8732	0.1004	5.6851	7.8710	-0.7824	-0.0119	-0.0460	-16.2142
		-6.3570	1.8192	1.1928	9.8031	6.0324	16.4354	12.3419	11.6867	9.9583
		0.0013	0.0010	0.0010	0.0013	0.0036	0.0010	0.0017	0.0049	0.0021
HE4	C 13	C 14	N 14	N 15	N 16	0 16	0 17	F 19	F 20	MG 25
		3.1246	3.0198	2.8637	0.1004	5.6851	-4.7365	-1.4860	-0.0119	-13.1907
		-29.0543	-10.3345	-28.4659	-10.6152	-6.3197	-11.4826	-6.2694	-4.3710	-12.9335
		0.0042	0.0041	0.0099	0.0042	0.0041	0.0041	0.0043	0.0043	0.0050
HE6	C 11	C 12	N 12	N 13	N 14	0 14	0 15	F 17	F 18	MG 23
		10.6484	0.	17.3490	5.3452	2.8637	8.0080	1.9519	0.8724	-5.4724
		-23.5638	-20.1949	-7.6071	-4.8848	-2.9660	-2.8285	-12.5717	0.7936	-5.3678
		0.0015	0.0019	0.0014	0.0016	0.0015	0.0015	0.0017	0.0018	0.0024
LI6	B 11	B 12	C 12	C 13	C 14	N 14	N 15	0 17	0 18	NA 23
		8.6677	13.3702	0.	3.1246	3.0198	2.8637	0.1004	-0.7824	-9.5283

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-27.7672	-16.3112	-19.0744	-2.5791	-3.8897	-6.1289	-16.1540	3.1099		-10.5328
	0.0015	0.0015	0.0018	0.0014	0.0016	0.0018	0.0015	0.0018		0.0031
LI7	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
	12.0522	8.6677	10.6484	0.	3.1246	5.3452	2.8637	-4.7365		-5.1822
	-34.1725	-25.7347	-30.1229	-19.2664	-6.8039	-24.1716	-24.6743	-10.5254	-2.1100	-19.5689
	0.0022	0.0018	0.0131	0.0021	0.0018	0.0092	0.0021	0.0024	0.0021	0.0082
LI8	B 9	B 10	C 10	C 11	C 12	N 12	N 13	O 15	O 16	NA 21
	12.4186	12.0522	15.6580	10.6484	0.	17.3490	5.3452	2.8599	-4.7365	-2.1850
	-48.6958	-30.1199	-47.4737	-28.2948	-21.4711		-40.6969	-19.6923	-13.7253	-32.7527
	0.0201	0.0201	0.0728	0.0239	0.0201	MASS	0.0220	0.0201	0.0201	0.0825
LI9	B 8	B 9	C 9	C 10	C 11	N 11	N 12	O 14	O 15	NA 20
	22.9231	12.4186	28.9900	15.6580	10.6484	UNKNOWN	17.3490	8.0080	2.8599	6.9800
	-29.1836	-28.6862	-17.9553	-16.8109	-18.1883	-4.7699	-17.1717	-8.1733	-9.5403	-8.5517
	0.0026	0.0151	0.0015	0.0019	0.0043	0.0016	0.0015	0.0039	0.0151	0.0015
BE7	BE 10	BE 11	B 11	B 12	B 13	C 13	C 14	N 16	N 17	NE 22
	12.6070	20.1810	8.6677	13.3702	16.5616	3.1246	3.0198	5.6851	7.8710	-8.0249
	-17.1024	-15.4373	-17.2878	-11.0745	-5.8759	-7.8753	-9.7334	-0.9335	2.6487	-5.1167
	0.0015	0.0016	0.0018	0.0014	0.0013	0.0017	0.0013	0.0017	0.0019	0.0014
BE9	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
	4.9442	11.3505	12.4186	12.0522	8.6677	10.6484	0.	2.8637	0.1004	-7.0415
	-29.1836	-10.2875	-29.0488	-12.6974	-10.5170	-14.1414	-21.6383	-4.6715	-1.3711	-15.1667
	0.0026	0.0025	0.0028	0.0027	0.0024	0.0132	0.0026	0.0028	0.0026	0.0029
BE10	BE 7	BE 8	B 8	B 9	B 10	C 10	C 11	N 13	N 14	NE 19
	15.7689	4.9442	22.9231	12.4186	12.0522	15.6580	10.6484	5.3452	2.8637	1.7520
	-48.6958		-29.0488	-30.7759	-33.8808	-22.1697	-37.8676	-19.5156	-22.5165	-23.6848
	0.0201	MASS	0.0028	0.0151	1.0000	0.0022	0.0044	0.0023	0.0161	0.0072
B8	LI 9	LI 10	BE 10	BE 11	BE 12	B 12	B 13	C 15	C 16	F 21
	24.9650	UNKNOWN	12.6070	20.1810	25.1000	13.3702	16.5616	9.8732	13.6930	-0.0460
	-27.7672	-25.7347	-10.5151	-11.0745	-10.5170	-9.9808	-19.1028	-1.8961	-0.9724	-11.3739
	0.0015	0.0018	0.0013	0.0014	0.0024	0.0012	0.0011	0.0017	0.0015	0.0013
B10	LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
	14.9073	20.9462	4.9442	11.3505	12.6070	12.0522	8.6677	3.1246	3.0198	-1.4860
	-23.5638	-16.3112	-17.9553	-1.2837	-5.8759	-6.9626	-19.1028	4.6130	2.3073	-10.3478
	0.0015	0.0015	0.0015	0.0012	0.0013	0.0016	0.0011	0.0015	0.0017	0.0012
B11	LI 6	LI 7	BE 7	BE 8	BE 9	B 9	B 10	C 12	C 13	F 18
	14.0884	14.9073	15.7689	4.9442	11.3505	12.4186	12.0522	0.	3.1246	0.8724

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MASS EXCESS -0.7824 +/- 0.0003 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		3.9563	7.9926	12.3654	14.2135	19.8788	9.6672	21.7244	23.4809	23.6570
		0.0029	0.0009	0.0047	0.0070	0.0015	0.0008	0.0034	0.0091	0.0037
GAMMA	0 18	0 19	F 19	F 20	F 21	NE 21	NE 22	NA 24	NA 25	SI 30
		3.3327	-1.4860	-0.0119	-0.0460	-5.7299	-8.0249	-8.4184	-9.3560	-24.4394
	-8.0462		-2.4373	5.7680	6.1080	13.1190	-0.6992	14.7628	14.4718	13.0397
	0.0010		0.0009	0.0009	0.0047	0.0006	0.0016	0.0022	0.0034	0.0037
N	0 17	0 18	F 18	F 19	F 20	NE 20	NE 21	NA 23	NA 24	SI 29
	-0.8077		0.8724	-1.4860	-0.0119	-7.0415	-5.7299	-9.5283	-8.4184	-21.8936
	-15.9424	-13.1000		1.7318	3.0795	6.8718	-5.6007	11.1653	12.7849	10.1466
	0.0150	0.4000		0.0029	0.0080	0.0047	0.0070	0.0036	0.0101	0.0060
P	N 17	N 18	0 18	0 19	0 20	F 20	F 21	NE 23	NE 24	AL 29
	7.8710	13.1000		3.3327	3.7990	-0.0119	-0.0460	-5.1483	-5.9490	-18.2180
	-19.6034	-13.7179	-5.8217		-2.3011	2.4990	-11.4817	8.1950	6.1373	2.9371
	0.0035	0.0150	0.0010		0.0029	0.0009	0.0047	0.0013	0.0036	0.0037
D	N 16	N 17	0 17	0 18	0 19	F 19	F 20	NE 22	NE 23	AL 28
	5.6851	7.8710	-0.8077		3.3327	-1.4860	-0.0119	-8.0249	-5.1483	-16.8554
	-15.8328	-13.3460	-3.7068	-1.7888		-1.6734	-11.8216	4.0859	7.1998	1.4637
	0.0009	0.0035	0.0005	0.0010		0.0009	0.0010	0.0019	0.0013	0.0018
T	N 15	N 16	0 16	0 17	0 18	F 18	F 19	NE 21	NE 22	AL 27
	0.1004	5.6851	-4.7365	-0.8077		0.8724	-1.4860	-5.7299	-8.0249	-17.1961
	-25.5870	-21.3353	-14.1099	-10.4489	-13.8638		-16.6217	-1.5794	-5.3065	-1.1312
	0.0010	0.0160	0.0035	0.0150	0.4000		0.0029	0.0071	0.6000	0.0038
HE3	C 15	C 16	N 16	N 17	N 18	0 18	0 19	F 21	F 22	MG 27
	9.8732	13.6930	5.6851	7.8710	13.1000		3.3327	-0.0460	4.5000	-14.5826
	-6.2270	-5.0089	3.9814	4.2436	3.8718	12.5319		10.8931	11.7461	13.0070
	0.0006	0.0010	0.0009	0.0035	0.0150	0.0010		0.0049	0.0071	0.0019
HE4	C 14	C 15	N 15	N 16	N 17	0 17	0 18	F 20	F 21	MG 26
	3.0198	9.8732	0.1004	5.6851	7.8710	-0.8077		-0.0119	-0.0460	-16.2142
	-18.3806	-13.4338	-16.4368	-8.1085	-3.5311	-6.3092	-11.2193	-5.1646	-1.9873	-4.4473
	0.0040	0.0041	0.0042	0.0040	0.0041	0.0042	0.0040	0.0042	0.0042	0.0044
HE6	C 12	C 13	N 13	N 14	N 15	0 15	0 16	F 18	F 19	MG 24
	0.	3.1246	5.3452	2.8637	0.1004	2.8599	-4.7365	0.8724	-1.4860	-13.9333
	-28.2410	-23.3610	-10.7064	-4.7547	-9.7941	-0.0399	-18.1312		-3.2962	-6.4524
	0.0017	0.0042	0.0014	0.0012	0.0015	0.0014	0.0037		0.0033	0.0034
LI6	B 12	B 13	C 13	C 14	C 15	N 15	N 16	0 18	0 19	NA 24
	13.3702	16.5616	3.1246	3.0198	9.8732	0.1004	5.6851		3.3327	-8.4184

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-24.3574	-20.9885	-8.4007	-5.6784	-3.7596	-3.6221	-13.3654	-0.7936		-6.1614
	0.0012	0.0017	0.0011	0.0014	0.0012	0.0012	0.0014	0.0018		0.0022
LI7	B 11	B 12	C 12	C 13	C 14	N 14	N 15	O 17	O 18	NA 23
	8.6677	13.3702	0.	3.1246	3.0198	2.8637	0.1004	-0.8077		-9.5283
	-33.7808	-22.3249	-25.0880	-8.5927	-9.9033	-12.1425	-22.1676	-2.9037	-6.0136	-16.5464
	0.0016	0.0016	0.0019	0.0015	0.0017	0.0019	0.0016	0.0019	0.0021	0.0031
LI8	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
	12.0522	8.6677	10.6484	0.	3.1246	5.3452	2.8637	-4.7365	-0.8077	-5.1822
	-38.1660	-29.7282	-34.1164	-23.2599	-10.7975	-28.1651	-28.6679	-14.5189	-6.1036	-23.5624
	0.0200	0.0200	0.0239	0.0200	0.0200	0.0219	0.0200	0.0201	0.0200	0.0215
LI9	B 9	B 10	C 10	C 11	C 12	N 12	N 13	O 15	O 16	NA 21
	12.4186	12.0522	15.6580	10.6484	0.	17.3490	5.3452	2.8599	-4.7365	-2.1850
	-36.7323	-33.5799	-22.6325	-19.9770		-4.6398	-23.9998	-10.3339	-14.7440	-11.4030
	0.0150	1.0000	0.0017	0.0042	MASS	0.0012	0.0015	0.0151	0.4000	0.0036
BE7	BE 11	BE 12	B 12	B 13	B 14	C 14	C 15	N 17	N 18	NE 23
	20.1810	25.1000	13.3702	16.5616	UNKNOWN	3.0198	9.8732	7.8710	13.1000	-5.1483
	-23.4834	-16.6685	-16.8961	-7.6647	-10.5532	2.7984	-12.8328	1.8551	-2.9107	-6.4030
	0.0013	0.0024	0.0011	0.0010	0.0016	0.0010	0.0013	0.0017	0.0038	0.0018
BE9	BE 9	BE 10	B 10	B 11	B 12	C 12	C 13	N 15	N 16	NE 21
	11.3505	12.6070	12.0522	8.6677	13.3702	0.	3.1246	0.1004	5.6851	-5.7299
	-18.3336	-16.6685	-18.5190	-12.3057	-7.1072	-9.1065	-10.9647	-2.1648	1.4175	-6.3479
	0.0024	0.0024	0.0026	0.0023	0.0023	0.0025	0.0023	0.0025	0.0026	0.0023
BE10	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
	4.9442	11.3505	12.4186	12.0522	8.6677	10.6484	0.	2.8637	0.1004	-7.0415
			-36.5975	-35.6696		-25.3358		-23.3101		-28.2055
	MASS	MASS	0.0151	1.0000	MASS	0.0043	MASS	0.0161	MASS	0.6000
B8	LI 10	LI 11	BE 11	BE 12	BE 13	B 13	B 14	C 16	C 17	F 22
	UNKNOWN	UNKNOWN	20.1810	25.1000	UNKNOWN	16.5616	UNKNOWN	13.6930	UNKNOWN	4.5000
	-33.7808	-29.7282	-16.8961	-12.3057	-18.0657	-6.5710	-23.7801	-1.7661	-7.8005	-12.8227
	0.0016	0.0200	0.0011	0.0023	0.0150	0.0007	0.0015	0.0013	0.0015	0.0047
B10	LI 8	LI 9	BE 9	BE 10	BE 11	B 11	B 12	C 14	C 15	F 20
	20.9462	24.9650	11.3505	12.6070	20.1810	8.6677	13.3702	3.0198	9.8732	-0.0119
	-24.3574	-22.3249	-7.1053	-7.6647	-7.1072	-6.5710	-15.6930	1.5137	2.4374	-7.9641
	0.0012	0.0016	0.0009	0.0010	0.0023	0.0007	0.0006	0.0014	0.0012	0.0009
B11	LI 7	LI 8	BE 8	BE 9	BE 10	B 10	B 11	C 13	C 14	F 19
	14.9073	20.9462	4.9442	11.3505	12.6070	12.0522	8.6677	3.1246	3.0198	-1.4860

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MASS EXCESS -1.4860 +/- 0.0008 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.5973	12.8445	17.3798	21.4888	18.6275	10.4670	25.7931	29.6355	22.9516
GAMMA	F 19	0.0048	0.0009	0.0017	0.0010	0.0028	0.0021	0.0023	0.0023	0.0016
	F 20		NE 20	NE 21	NE 22	NA 22	NA 23	MG 25	MG 26	P 31
		-0.0119	-7.0415	-5.7299	-8.0249	-5.1822	-9.5283	-13.1907	-16.2142	-24.4376
	-10.4298		-4.0204	10.6200	11.1224	7.5589	-1.9505	18.4643	18.5406	10.6396
	0.0011		0.0018	0.0010	0.0017	0.0080	0.0028	0.0022	0.0023	0.0070
N	F 18	F 19	NE 19	NE 20	NE 21	NA 21	NA 22	MG 24	MG 25	P 30
	0.8724		1.7520	-7.0415	-5.7299	-2.1850	-5.1822	-13.9333	-13.1907	-20.1970
	-7.9926	-4.0363		4.3728	6.2210	11.8862	1.6747	13.7318	15.4883	15.6644
	0.0009	0.0030		0.0048	0.0070	0.0017	0.0011	0.0035	0.0091	0.0038
P	O 18	O 19	F 19	F 20	F 21	NE 21	NE 22	NA 24	NA 25	SI 30
	-0.7824	3.3327		-0.0119	-0.0460	-5.7299	-8.0249	-8.4184	-9.3560	-24.4394
	-13.8142	-5.7680	-8.2053		0.3399	7.3509	-6.4673	8.9948	8.7038	7.2717
	0.0012	0.0009	0.0011		0.0048	0.0010	0.0017	0.0023	0.0035	0.0038
D	O 17	O 18	F 18	F 19	F 20	NE 20	NE 21	NA 23	NA 24	SI 29
	-0.8077	-0.7824	0.8724		-0.0119	-7.0415	-5.7299	-9.5283	-8.4184	-21.8936
	-11.6994	-7.5568	-11.0989	-4.1724		-3.2566	-6.9697	2.8346	7.9997	5.0540
	0.0009	0.0012	0.0010	0.0012		0.0018	0.0010	0.0030	0.0023	0.0029
T	O 16	O 17	F 17	F 18	F 19	NE 19	NE 20	NA 22	NA 23	SI 28
	-4.7365	-0.8077	1.9519	0.8724		1.7520	-7.0415	-5.1822	-9.5283	-21.4899
	-22.1024	-16.2169	-8.3206	-2.4990	-4.8001		-13.9807	5.6960	3.6383	0.4381
	0.0036	0.0150	0.0012	0.0009	0.0030		0.0048	0.0015	0.0037	0.0038
HE3	N 16	N 17	O 17	O 18	O 19	F 19	F 20	NE 22	NE 23	AL 28
	5.6851	7.8710	-0.8077	-0.7824	3.3327		-0.0119	-8.0249	-5.1483	-16.8554
	-4.0111	-1.5244	8.1148	10.0329	11.8216	10.1482		15.9075	19.0214	13.2853
	0.0012	0.0036	0.0009	0.0013	0.0010	0.0012		0.0021	0.0015	0.0020
HE4	N 15	N 16	O 16	O 17	O 18	F 18	F 19	NE 21	NE 22	AL 27
	0.1004	5.6851	-4.7365	-0.8077	-0.7824	0.8724		-5.7299	-8.0249	-17.1961
	-24.4294	-13.8765	-19.8032	-8.8082	0.6023	-14.8389	-18.6114	-6.7478	2.8646	-10.1532
	0.0042	0.0041	0.0041	0.0043	0.0041	0.0402	0.0041	0.0045	0.0043	0.0073
HE6	N 13	N 14	O 14	O 15	O 16	F 16	F 17	NE 19	NE 20	AL 25
	5.3452	2.8637	8.0080	2.8599	-4.7365	10.6860	1.9519	1.7520	-7.0415	-8.9310
	-18.6990	-10.5228	-11.1491	-2.5389	-6.3096	4.0935	-12.3419		-0.6552	-2.3837
	0.0016	0.0014	0.0014	0.0016	0.0038	0.0014	0.0017		0.0050	0.0023
LI6	C 13	C 14	N 14	N 15	N 16	O 16	O 17	F 19	F 20	MG 25
	3.1246	3.0198	2.8637	0.1004	5.6851	-4.7365	-0.8077		-0.0119	-13.1907

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-16.3933	-11.4465	-14.4495	-6.1211	-1.5438	-4.3219	-9.2320	-3.1773		-2.4600
	0.0014	0.0016	0.0018	0.0014	0.0016	0.0018	0.0014	0.0019		0.0022
LI7	C 12	C 13	N 13	N 14	N 15	O 15	O 16	F 18	F 19	MG 24
	0.	3.1246	5.3452	2.8637	0.1004	2.8599	-4.7365	0.8724		-13.9333
	-33.0806	-14.3608	-32.4922	-14.6415	-10.3460	-15.5089	-22.8673	-10.2957	-8.3973	-16.9598
	0.0020	0.0017	0.0092	0.0020	0.0017	0.0018	0.0021	0.0021	0.0022	0.0034
LI8	C 11	C 12	N 12	N 13	N 14	O 14	O 15	F 17	F 18	MG 23
	10.6484	0.	17.3490	5.3452	2.8637	8.0080	2.8599	1.9519	0.8724	-5.4724
	-42.1090	-29.0280		-30.6641	-16.8462	-34.6297	-32.0342	-23.0486	-13.4956	-26.0710
	0.0239	0.0200	MASS	0.0219	0.0200	0.0728	0.0200	0.0447	0.0201	0.0539
LI9	C 10	C 11	N 11	N 12	N 13	O 13	O 14	F 16	F 17	MG 22
	15.6580	10.6484	UNKNOWN	17.3490	5.3452	23.1100	8.0080	10.6860	1.9519	-0.3800
	-30.6251	-25.7451	-13.0905	-7.1388	-12.1782	-2.4240	-20.5152	-2.3841	-5.6803	-8.8365
	0.0019	0.0042	0.0016	0.0014	0.0016	0.0016	0.0038	0.0018	0.0034	0.0035
BE7	B 12	B 13	C 13	C 14	C 15	N 15	N 16	O 18	O 19	NA 24
	13.3702	16.5616	3.1246	3.0198	9.8732	0.1004	5.6851	-0.7824	3.3327	-8.4184
	-24.8887	-13.4327	-16.1959	0.2994	-1.0112	-3.2504	-13.2755	5.9884	2.8785	-7.6543
	0.0013	0.0012	0.0016	0.0012	0.0015	0.0016	0.0013	0.0017	0.0019	0.0030
BE9	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
	12.0522	8.6677	10.6484	0.	3.1246	5.3452	2.8637	-4.7365	-0.8077	-5.1822
	-26.5116	-18.0738	-22.4620	-11.6055	0.8569	-16.5107	-17.0134	-2.8645	5.5508	-11.9080
	0.0027	0.0024	0.0132	0.0026	0.0024	0.0093	0.0026	0.0029	0.0026	0.0083
BE10	B 9	B 10	C 10	C 11	C 12	N 12	N 13	O 15	O 16	NA 21
	12.4186	12.0522	15.6580	10.6484	0.	17.3490	5.3452	2.8599	-4.7365	-2.1850
	-44.5901	-41.4377	-30.4903	-27.8348		-12.4976	-31.8575	-18.1917	-22.6018	-19.2608
	0.0151	1.0000	0.0021	0.0043	MASS	0.0017	0.0020	0.0151	0.4000	0.0038
B8	BE 11	BE 12	B 12	B 13	B 14	C 14	C 15	N 17	N 18	NE 23
	20.1810	25.1000	13.3702	16.5616	UNKNOWN	3.0198	9.8732	7.8710	13.1000	-5.1483
	-24.8887	-18.0738	-18.3014	-9.0700	-11.9585	1.3931	-14.2380	0.4498	-4.3160	-7.8083
	0.0013	0.0024	0.0011	0.0010	0.0016	0.0010	0.0013	0.0017	0.0038	0.0018
B10	BE 9	BE 10	B 10	B 11	B 12	C 12	C 13	N 15	N 16	NE 21
	11.3505	12.6070	12.0522	8.6677	13.3702	0.	3.1246	0.1004	5.6851	-5.7299
	-15.0979	-13.4327	-15.2833	-9.0700	-3.8714	-5.8707	-7.7289	1.0710	4.6532	-3.1122
	0.0012	0.0012	0.0016	0.0010	0.0009	0.0014	0.0009	0.0014	0.0016	0.0010
B11	BE 8	BE 9	B 9	B 10	B 11	C 11	C 12	N 14	N 15	NE 20
	4.9442	11.3505	12.4186	12.0522	8.6677	10.6484	0.	2.8637	0.1004	-7.0415

10 NE 20

MASS EXCESS -7.0415 +/- 0.0005 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.7598	2.4325	11.2766	17.4367	13.3622	9.3166	19.2577	25.0619	18.9712
GAMMA	NE 20	0.0016	0.0080	0.0027	0.0020	0.0030	0.0018	0.0026	0.0022	0.0010
		NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32
		-5.7299	-2.1850	-5.1822	-9.5283	-5.4724	-13.9333	-12.2108	-17.1961	-26.0127
	-16.8649		-14.8039	0.2080	5.0192	0.1984	-7.2158	7.9065	12.0052	3.8791
	0.0017		0.0800	0.0080	0.0028	0.0500	0.0030	0.0061	0.0026	0.0110
N	NE 19	NE 20	NA 20	NA 21	NA 22	MG 22	MG 23	AL 25	AL 26	S 31
	1.7520		6.9800	-2.1850	-5.1822	-0.3800	-5.4724	-8.9310	-12.2108	-18.9920
	-12.8445	-6.2472		4.5353	8.6444	5.7831	-2.3774	12.9486	16.7910	10.1071
	0.0009	0.0047		0.0016	0.0008	0.0028	0.0020	0.0023	0.0022	0.0015
P	F 19	F 20	NE 20	NE 21	NE 22	NA 22	NA 23	MG 25	MG 26	P 31
	-1.4860	-0.0119		-5.7299	-8.0249	-5.1822	-9.5283	-13.1907	-16.2142	-24.4376
	-21.0498	-10.6200	-14.6404		0.5024	-3.0611	-12.5705	7.8443	7.9206	0.0196
	0.0010	0.0010	0.0017		0.0016	0.0080	0.0028	0.0021	0.0023	0.0070
D	F 18	F 19	NE 19	NE 20	NE 21	NA 21	NA 22	MG 24	MG 25	P 30
	0.8724	-1.4860	1.7520		-5.7299	-2.1850	-5.1822	-13.9333	-13.1907	-20.1970
	-23.9433	-14.7924	-20.0218	-10.6075		-14.0401	-17.3817	-2.4306	6.8492	-5.0464
	0.0007	0.0010	0.0047	0.0017		0.0800	0.0080	0.0031	0.0021	0.0060
T	F 17	F 18	NE 18	NE 19	NE 20	NA 20	NA 21	MG 23	MG 24	P 29
	1.9519	0.8724	5.3193	1.7520		6.9800	-2.1850	-5.4724	-13.9333	-16.9450
	-21.1651	-13.1190	-15.5562	-7.3509	-7.0110		-13.8182	1.6439	1.3529	-0.0792
	0.0011	0.0006	0.0010	0.0010	0.0047		0.0016	0.0023	0.0034	0.0037
HE3	O 17	O 18	F 18	F 19	F 20	NE 20	NE 21	NA 23	NA 24	SI 29
	-0.8077	-0.7824	0.8724	-1.4860	-0.0119		-5.7299	-9.5283	-8.4184	-21.8936
	-4.7297	-0.5871	-4.1292	2.7973	6.9697	3.7131		9.8044	14.9693	12.0237
	0.0007	0.0011	0.0008	0.0010	0.0010	0.0017		0.0030	0.0023	0.0029
HE4	O 16	O 17	F 17	F 18	F 19	NE 19	NE 20	NA 22	NA 23	SI 28
	-4.7365	-0.8077	1.9519	0.8724	-1.4860	1.7520		-5.1822	-9.5283	-21.4899
	-32.6477	-19.4282		-22.1898	-11.6417	-26.2184	-27.5342	-17.5313	-7.5474	-17.5077
	0.0041	0.0042	MASS	0.0402	0.0041	0.2000	0.0062	0.0801	0.0090	0.0136
HE6	O 14	O 15	F 15	F 16	F 17	NE 17	NE 18	NA 20	NA 21	SI 26
	8.0080	2.8599	UNKNOWN	10.6860	1.9519	16.5100	5.3193	6.9800	-2.1850	-7.1320
	-23.9936	-13.1589	-16.7008	-3.2574	-5.3722	-8.1505	-19.5775		-0.4927	-8.9191
	0.0012	0.0015	0.0017	0.0013	0.0015	0.0013	0.0015		0.0022	0.0026
LI6	N 14	N 15	O 15	O 16	O 17	F 17	F 18	NE 20	NE 21	AL 26
	2.8637	0.1004	2.8599	-4.7365	-0.8077	1.9519	0.8724		-5.7299	-12.2108

10 Ne 20

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
		-27.2940	-16.7411	-22.6678	-11.6728	-2.2623	-17.7035	-21.4759	-9.6124		-13.0178
		0.0016	0.0012	0.0013	0.0017	0.0013	0.0400	0.0014	0.0023		0.0061
LI7		N 13	N 14	O 14	O 15	O 16	F 16	F 17	NE 19	NE 20	AL 25
		5.3452	2.8637	8.0080	2.8599	-4.7365	10.6860	1.9519	1.7520		-8.9310
		-45.3367	-25.2615	-43.8087	-22.8598	-15.8976		-36.2489	-19.2186	-14.8324	-27.9177
		0.0091	0.0019	0.0700	0.0016	0.0020	MASS	0.0400	0.0051	0.0025	0.0600
LI8		N 12	N 13	O 13	O 14	O 15	F 15	F 16	NE 18	NE 19	AL 24
		17.3490	5.3452	23.1100	8.0080	2.8599	UNKNOWN	10.6860	5.3193	1.7520	-0.0700
			-41.2841		-41.9806	-25.0645			-34.4281	-22.4185	
	MASS	0.0219	MASS	0.0728	0.0200	MASS	MASS	0.2010	0.0206	MASS	
LI9	N 11	N 12	O 12	O 13	O 14	F 14	F 15	NE 17	NE 18	AL 23	
	UNKNOWN	17.3490	UNKNOWN	23.1100	8.0080	UNKNOWN	UNKNOWN	16.5100	5.3193	UNKNOWN	
		-25.9350	-17.7588	-18.3851	-9.7749	-13.5455	-3.1425	-19.5779	-7.2360	-7.8912	-9.6197
		0.0014	0.0012	0.0012	0.0015	0.0037	0.0013	0.0016	0.0018	0.0050	0.0023
BE7		C 13	C 14	N 14	N 15	N 16	O 16	O 17	F 19	F 20	MG 25
		3.1246	3.0198	2.8637	0.1004	5.6851	-4.7365	-0.8077	-1.4860	-0.0119	-13.1907
		-29.0404	-10.3206	-28.4520	-10.6013	-6.3058	-11.4687	-18.8271	-6.2555	-4.3571	-12.9196
		0.0015	0.0010	0.0091	0.0015	0.0011	0.0011	0.0016	0.0016	0.0017	0.0031
BE9		C 11	C 12	N 12	N 13	N 14	O 14	O 15	F 17	F 18	MG 23
		10.6484	0.	17.3490	5.3452	2.8637	8.0080	2.8599	1.9519	0.8724	-5.4724
		-35.3065	-22.2255		-23.8616	-10.0437	-27.8272	-25.2317	-16.2461	-6.6931	-19.2685
		0.0132	0.0025	MASS	0.0093	0.0025	0.0700	0.0023	0.0401	0.0026	0.0501
BE10		C 10	C 11	N 11	N 12	N 13	O 13	O 14	F 16	F 17	MG 22
		15.6580	10.6484	UNKNOWN	17.3490	5.3452	23.1100	8.0080	10.6860	1.9519	-0.3800
		-43.3348	-38.4548	-25.8002	-19.8485	-24.8879	-15.1337	-33.2249	-15.0938	-18.3900	-21.5462
		0.0020	0.0043	0.0018	0.0016	0.0018	0.0018	0.0039	0.0019	0.0035	0.0036
B8		B 12	B 13	C 13	C 14	C 15	N 15	N 16	O 18	O 19	NA 24
		13.3702	16.5616	3.1246	3.0198	9.8732	0.1004	5.6851	-0.7824	3.3327	-8.4184
		-31.1459	-19.6899	-22.4531	-5.9578	-7.2683	-9.5076	-19.5327	-0.2687	-3.3787	-13.9115
		0.0009	0.0008	0.0013	0.0007	0.0011	0.0013	0.0008	0.0013	0.0016	0.0028
B10		B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
		12.0522	8.6677	10.6484	0.	3.1246	5.3452	2.8637	-4.7365	-0.8077	-5.1822
		-28.1278	-19.6899	-24.0782	-13.2217	-0.7592	-18.1268	-18.6296	-4.4807	3.9347	-13.5242
		0.0014	0.0008	0.0130	0.0013	0.0006	0.0090	0.0013	0.0017	0.0013	0.0080
B11		B 9	B 10	C 10	C 11	C 12	N 12	N 13	O 15	O 16	NA 21
		12.4186	12.0522	15.6580	10.6484	0.	17.3490	5.3452	2.8599	-4.7365	-2.1850

10 NE 21

MASS EXCESS -5.7299 +/- 0.0015 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		10.3664	6.7413	16.9343	17.6384	23.1347	9.8856	25.5546	26.0328	20.8527
		0.0016	0.0031	0.0024	0.0035	0.0023	0.0025	0.0026	0.0041	0.0032
GAMMA	NE 21	NE 22	NA 22	NA 23	NA 24	MG 24	MG 25	AL 27	AL 28	S 33
		-8.0249	-5.1822	-9.5283	-8.4184	-13.9333	-13.1907	-17.1961	-16.8554	-26.5826
		-6.7598	-4.3273	4.5168	10.6769	6.6024	2.5567	12.4979	18.3021	12.2114
		0.0016	0.0081	0.0031	0.0024	0.0033	0.0023	0.0030	0.0026	0.0018
N	NE 20	NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32
		-7.0415	-2.1850	-5.1822	-9.5283	-5.4724	-13.9333	-12.2108	-17.1961	-26.0127
		-13.0070	-4.9015	8.1419	7.0794	11.4408	-2.1757	17.2837	16.4710	11.2838
		0.0049	0.0072	0.0016	0.0037	0.0024	0.0036	0.0026	0.0042	0.0026
P	F 20	F 21	NE 21	NE 22	NE 23	NA 23	NA 24	MG 26	MG 27	P 32
		-0.0119	-0.0460	-8.0249	-5.1483	-9.5283	-8.4184	-16.2142	-14.5826	-24.3027
		-17.3798	-10.7825	-4.5353	4.1090	1.2477	-6.9128	8.4133	12.2557	5.5718
		0.0017	0.0049	0.0016	0.0016	0.0031	0.0025	0.0027	0.0026	0.0021
D	F 19	F 20	NE 20	NE 21	NE 22	NA 22	NA 23	MG 25	MG 26	P 31
		-1.4860	-0.0119	-7.0415	-8.0249	-5.1822	-9.5283	-13.1907	-16.2142	-24.4376
		-21.5522	-11.1224	-15.1429	-0.5024	-3.5635	-13.0729	7.3419	7.4182	-0.4828
		0.0017	0.0017	0.0022	0.0016	0.0081	0.0031	0.0025	0.0027	0.0072
T	F 18	F 19	NE 19	NE 20	NE 21	NA 21	NA 22	MG 24	MG 25	P 30
		0.8724	-1.4860	1.7520	-7.0415	-2.1850	-5.1822	-13.9333	-13.1907	-20.1970
		-19.8788	-15.9225	-11.8862	-7.5134	-5.6653	-10.2116	1.8456	3.6021	3.7782
		0.0015	0.0033	0.0017	0.0049	0.0072	0.0017	0.0037	0.0092	0.0040
HE3	O 18	O 19	F 19	F 20	F 21	NE 21	NE 22	NA 24	NA 25	SI 30
		-0.7824	3.3327	-1.4860	-0.0119	-0.0460	-8.0249	-8.4184	-9.3560	-24.4394
		-7.3469	0.6992	-1.7381	6.4673	6.8072	13.8182	15.4620	15.1710	13.7390
		0.0018	0.0016	0.0017	0.0017	0.0050	0.0016	0.0027	0.0037	0.0040
HE4	O 17	O 18	F 18	F 19	F 20	NE 20	NE 21	NA 23	NA 24	SI 29
		-0.8077	-0.7824	0.8724	-1.4860	-0.0119	-7.0415	-9.5283	-8.4184	-21.8936
		-26.1880	-10.5201	-26.7251	-12.1441	-9.2506	-13.7161	-22.6553	-7.0547	-3.2386
		0.0044	0.0043	0.0402	0.0043	0.0044	0.0064	0.0046	0.0091	0.0050
HE6	O 15	O 16	F 16	F 17	F 18	NE 18	NE 19	NA 21	NA 22	SI 27
		2.8599	-4.7365	10.6860	1.9519	0.8724	5.3193	1.7520	-2.1850	-5.1822
		-19.9187	-17.4320	-7.7928	-5.8747	-4.0859	-5.7594	-15.9075	3.1139	-2.6222
		0.0020	0.0040	0.0019	0.0021	0.0019	0.0020	0.0021	0.0022	0.0026
LI6	N 15	N 16	O 16	O 17	O 18	F 18	F 19	NE 21	NE 22	AL 27
		0.1004	5.6851	-4.7365	-0.8077	-0.7824	0.8724	-1.4860	-8.0249	-17.1961

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-23.5009	-12.6662	-16.2081	-2.7647	-4.8795	-7.6578	-19.0848	0.4927		-8.4264
	0.0019	0.0020	0.0022	0.0019	0.0021	0.0019	0.0021	0.0022		0.0030
LI7	N 14	N 15	O 15	C 16	O 17	F 17	F 18	NE 20	NE 21	AL 26
	2.8637	0.1004	2.8599	-4.7365	-0.8077	1.9519	0.8724	-7.0415		-12.2108
	-32.0213	-21.4684	-27.3951	-16.4001	-6.9896	-22.4308	-26.2032	-14.3397	-4.7273	-17.7451
	0.0024	0.0021	0.0022	0.0024	0.0022	0.0401	0.0022	0.0029	0.0024	0.0064
LI8	N 13	N 14	O 14	O 15	O 16	F 16	F 17	NE 19	NE 20	AL 25
	5.3452	2.8637	8.0080	2.8599	-4.7365	10.6860	1.9519	1.7520	-7.0415	-8.9310
	-48.0439	-27.9687	-46.5159	-25.5670	-18.6048		-38.9561	-21.9258	-17.5396	-30.6249
	0.0220	0.0201	0.0728	0.0201	0.0201	MASS	0.0447	0.0206	0.0201	0.0633
LI9	N 12	N 13	O 13	C 14	O 15	F 15	F 16	NE 18	NE 19	AL 24
	17.3490	5.3452	23.1100	8.0080	2.8599	UNKNOWN	10.6860	5.3193	1.7520	-0.0700
	-24.5186	-23.3006	-14.3102	-14.0480	-14.4198	-5.7598	-18.2916	-7.3985	-6.5455	-5.2846
	0.0019	0.0021	0.0020	0.0040	0.0151	0.0021	0.0019	0.0052	0.0073	0.0026
BE7	C 14	C 15	N 15	N 16	N 17	O 17	O 18	F 20	F 21	MG 26
	3.0198	9.8732	0.1004	5.6851	7.8710	-0.8077	-0.7824	-0.0119	-0.0460	-16.2142
	-17.0804	-12.1336	-15.1366	-6.8082	-2.2308	-5.0090	-9.9191	-3.8644	-0.6871	-3.1471
	0.0017	0.0019	0.0021	0.0018	0.0019	0.0021	0.0018	0.0022	0.0022	0.0024
BE9	C 12	C 13	N 13	N 14	N 15	O 15	O 16	F 18	F 19	MG 24
	0.	3.1246	5.3452	2.8637	0.1004	2.8599	-4.7365	0.8724	-1.4860	-13.9333
	-28.9853	-10.2655	-28.3969	-10.5462	-6.2507	-11.4136	-18.7720	-6.2004	-4.3020	-12.8645
	0.0029	0.0027	0.0094	0.0029	0.0027	0.0027	0.0029	0.0029	0.0030	0.0039
BE10	C 11	C 12	N 12	N 13	N 14	O 14	O 15	F 17	F 18	MG 23
	10.6484	0.	17.3490	5.3452	2.8637	8.0080	2.8599	1.9519	0.8724	-5.4724
	-45.2146		-24.3838	-25.3903	-27.3960	-19.4068	-34.0992	-17.8973	-17.5447	-19.2970
	0.0045	MASS	0.0021	0.0023	0.0161	0.0041	0.0152	0.0038	0.0083	0.0092
B8	B 13	B 14	C 14	C 15	C 16	N 16	N 17	O 19	O 20	NA 25
	16.5616	UNKNOWN	3.0198	9.8732	13.6930	5.6851	7.8710	3.3327	3.7990	-9.3560
	-26.4498	-23.0809	-10.4931	-7.7708	-5.8520	-5.7145	-15.4577	-2.8860	-2.0924	-8.2538
	0.0016	0.0020	0.0016	0.0018	0.0016	0.0016	0.0018	0.0021	0.0019	0.0025
B10	B 11	B 12	C 12	C 13	C 14	N 14	N 15	O 17	O 18	NA 23
	8.6677	13.3702	0.	3.1246	3.0198	2.8637	0.1004	-0.8077	-0.7824	-9.5283
	-26.4498	-14.9938	-17.7570	-1.2617	-2.5722	-4.8114	-14.8366	4.4274	1.3174	-9.2154
	0.0016	0.0016	0.0019	0.0015	0.0017	0.0019	0.0016	0.0019	0.0021	0.0031
B11	B 10	B 11	C 11	C 12	C 13	N 13	N 14	O 16	O 17	NA 22
	12.0522	8.6677	10.6484	0.	3.1246	5.3452	2.8637	-4.7365	-0.8077	-5.1822

10 NE 22

MASS EXCESS -8.0249 +/- 0.0006 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12	
OUTGOING			5.1948	8.7924	13.5294	16.2810	20.0971	10.6141	22.9189	25.1004	21.9086	
GAMMA	NE 22		0.0035	0.0020	0.0033	0.0090	0.0020	0.0019	0.0039	0.0061	0.0028	
			NE 23	NA 23	NA 24	NA 25	MG 25	MG 26	AL 28	AL 29	S 34	
			-5.1483	-9.5283	-8.4184	-9.3560	-13.1907	-16.2142	-16.8554	-18.2180	-29.9335	
N	NE 21			-3.6251	6.5679	7.2720	12.7683	-0.4809	15.1882	15.6664	10.4863	
			NE 22	0.0028	0.0020	0.0033	0.0018	0.0020	0.0022	0.0039	0.0029	
			-5.7299	-5.1822	-9.5283	-8.4184	-13.9333	-13.1907	-17.1961	-16.8554	-26.5826	
P	F 21		-15.2679	-11.7424	2.9703	5.5851	8.0359	-3.5331	13.3571	14.6134	11.0207	
			0.0070	0.6000	0.0035	0.0100	0.0033	0.0090	0.0040	0.0061	0.0035	
			-0.0460	4.5000	NE 22	NE 23	NE 24	NA 24	NA 25	MG 27	MG 28	P 33
D	F 20		-21.1489	-13.0434	-8.1419	-1.0626	3.2988	-10.3177	9.1418	8.3291	3.1419	
			0.0047	0.0070	0.0016	0.0035	0.0020	0.0033	0.0022	0.0040	0.0022	
			-0.0119	-0.0460	-5.7299	NE 22	NE 23	NA 24	NA 25	MG 26	MG 27	P 33
T	F 19		-21.4888	-14.8915	-8.6444	-4.1090	-2.8613	-11.0218	4.3043	8.1467	1.4627	
			0.0010	0.0047	0.0008	0.0016	0.0028	0.0020	0.0023	0.0022	0.0015	
			-1.4860	-0.0119	-7.0415	-5.7299	-5.1822	-9.5283	-13.1907	-16.2142	-24.4376	
HE3	O 19		-26.2889	-18.6838	-15.6553	-9.7743	-12.5063	-15.3832	0.4882	-0.3589	0.0058	
			0.0030	0.0080	0.0047	0.0070	0.6000	0.0035	0.0091	0.3000	0.0050	
			3.3327	3.7990	-0.0119	-0.0460	4.5000	NE 22	NE 23	NA 25	NA 26	SI 31
HE4	O 18		-9.6672	-5.7109	-1.6747	2.6982	4.5463	10.2116	12.0572	13.8136	13.9898	
			0.0008	0.0030	0.0011	0.0048	0.0070	0.0017	0.0035	0.0091	0.0038	
			-0.7824	3.3327	-1.4860	-0.0119	-0.0460	-5.7299	NE 21	NE 22	NA 24	NA 25
HE6	O 16		-20.8865	-16.7440	-20.2860	-13.3596	-9.1872	-12.4438	-16.1568	-6.3525	-1.1875	-4.1332
			0.0041	0.0041	0.0041	0.0041	0.0041	0.0044	0.0041	0.0050	0.0046	0.0049
			-4.7365	-0.8077	1.9519	0.8724	-1.4860	1.7520	-7.0415	-5.1822	-9.5283	-21.4899
LI6	N 16		-27.7984	-21.9129	-14.0166	-8.1950	-10.4961	-5.6960	-19.6766	-2.0577	-5.2579	
			0.0037	0.0151	0.0015	0.0013	0.0032	0.0015	0.0049	0.0038	0.0039	
			5.6851	7.8710	-0.8077	-0.7824	3.3327	-1.4860	-0.0119	NE 22	NE 23	AL 28

10 Ne 22

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
	-23.0326	-20.5459	-10.9067	-8.9886	-7.1998	-8.8733	-19.0214	-3.1139			-5.7361
	0.0015	0.0037	0.0013	0.0015	0.0013	0.0015	0.0015	0.0022			0.0022
LI7	N 15	N 16	O 16	O 17	O 18	F 18	F 19	NE 21	NE 22		AL 27
	0.1004	5.6851	-4.7365	-0.8077	-0.7824	0.8724	-1.4860	-5.7299			-17.1961
	-31.8348	-21.0001	-24.5420	-11.0986	-13.2134	-15.9917	-27.4187	-7.8412	-8.3339		-16.7603
	0.0016	0.0018	0.0020	0.0016	0.0019	0.0017	0.0018	0.0020	0.0025		0.0028
LI8	N 14	N 15	O 15	O 16	O 17	F 17	F 18	NE 20	NE 21		AL 26
	2.8637	0.1004	2.8599	-4.7365	-0.8077	1.9519	0.8724	-7.0415	-5.7299		-12.2108
	-38.3351	-27.7822	-33.7089	-22.7139	-13.3034	-28.7446	-32.5170	-20.6535	-11.0411		-24.0589
	0.0200	0.0200	0.0200	0.0200	0.0200	0.0447	0.0200	0.0201	0.0200		0.0209
LI9	N 13	N 14	O 14	O 15	O 16	F 16	F 17	NE 19	NE 20		AL 25
	5.3452	2.8637	8.0080	2.8599	-4.7365	10.6860	1.9519	1.7520	-7.0415		-8.9310
	-33.6670	-29.4154	-22.1899	-18.5289	-21.9439	-8.0800	-24.7017	-9.6594	-13.3865		-9.2112
	0.0015	0.0160	0.0037	0.0151	0.4000	0.0013	0.0032	0.0072	0.6000		0.0040
BE7	C 15	C 16	N 16	N 17	N 18	O 18	O 19	F 21	F 22		MG 27
	9.8732	13.6930	5.6851	7.8710	13.1000	-0.7824	3.3327	-0.0460	4.5000		-14.5826
	-22.5000	-14.3238	-14.9501	-6.3399	-10.1105	0.2925	-16.1429	-3.8010	-4.4562		-6.1847
	0.0013	0.0011	0.0011	0.0014	0.0037	0.0011	0.0015	0.0017	0.0049		0.0022
BE9	C 13	C 14	N 14	N 15	N 16	O 16	O 17	F 19	F 20		MG 25
	3.1246	3.0198	2.8637	0.1004	5.6851	-4.7365	-0.8077	-1.4860	-0.0119		-13.1907
	-20.6319	-15.6851	-18.6881	-10.3597	-5.7823	-8.5605	-13.4706	-7.4159	-4.2386		-6.6986
	0.0023	0.0024	0.0025	0.0023	0.0024	0.0026	0.0023	0.0027	0.0027		0.0028
BE10	C 12	C 13	N 13	N 14	N 15	O 15	O 16	F 18	F 19		MG 24
	0.	3.1246	5.3452	2.8637	0.1004	2.8599	-4.7365	0.8724	-1.4860		-13.9333
			-33.5322	-31.5051			-23.8877	-41.6232	-20.6586		-23.2580
	MASS	MASS	0.0019	0.0161	MASS	0.0151	0.4000	0.0082	MASS		0.3000
B8	B 14	B 15	C 15	C 16	C 17	N 17	N 18	O 20	O 21		NA 26
	UNKNOWN	UNKNOWN	9.8732	13.6930	UNKNOWN	7.8710	13.1000	3.7990	UNKNOWN		-7.6900
	-33.4473	-28.5673	-15.9127	-9.9610	-15.0003	-5.2462	-23.3374	-5.2063	-8.5025		-11.6587
	0.0015	0.0041	0.0011	0.0008	0.0012	0.0011	0.0036	0.0014	0.0032		0.0033
B10	B 12	B 13	C 13	C 14	C 15	N 15	N 16	O 18	O 19		NA 24
	13.3702	16.5616	3.1246	3.0198	9.8732	0.1004	5.6851	-0.7824	3.3327		-8.4184
	-25.3603	-21.9913	-9.4036	-6.6813	-4.7624	-4.6250	-14.3682	-1.7965	-1.0028		-7.1643
	0.0007	0.0015	0.0007	0.0011	0.0008	0.0007	0.0011	0.0016	0.0013		0.0020
B11	B 11	B 12	C 12	C 13	C 14	N 14	N 15	O 17	O 18		NA 23
	8.6677	13.3702	0.	3.1246	3.0198	2.8637	0.1004	-0.8077	-0.7824		-9.5283

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-22.9494	-7.2815	-23.4865	-8.9055	-6.0120	-10.4775	-19.4167	-3.8161		-7.7035
	0.0032	0.0029	0.0401	0.0030	0.0030	0.0055	0.0033	0.0086		0.0039
LI7	0 15	0 16	F 16	F 17	F 18	NE 18	NE 19	NA 21	NA 22	SI 27
	2.8599	-4.7365	10.6860	1.9519	0.8724	5.3193	1.7520	-2.1850		-12.3860
	-34.1364	-20.9169		-23.6785	-13.1303	-27.7071	-29.0229	-19.0200	-9.0361	-18.9964
	0.0031	0.0033	MASS	0.0401	0.0031	0.2000	0.0056	0.0801	0.0086	0.0134
LI8	0 14	0 15	F 15	F 16	F 17	NE 17	NE 18	NA 20	NA 21	SI 26
	8.0080	2.8599	UNKNOWN	10.6860	1.9519	16.5100	5.3193	6.9800	-2.1850	-7.1320
	-53.2572	-30.0838			-25.8832		-44.2324		-22.2199	-34.1472
	0.0729	0.0202	MASS	MASS	0.0448	MASS	0.2010	MASS	0.0825	0.2010
LI9	0 13	0 14	F 14	F 15	F 16	NE 16	NE 17	NA 19	NA 20	SI 25
	23.1100	8.0080	UNKNOWN	UNKNOWN	10.6860	UNKNOWN	16.5100	UNKNOWN	6.9800	4.0000
	-21.0515	-18.5648	-8.9256	-7.0075	-5.2187	-6.8922	-17.0403	-1.1328	1.9811	-3.7550
	0.0030	0.0046	0.0029	0.0031	0.0029	0.0030	0.0030	0.0035	0.0032	0.0034
BE7	N 15	N 16	0 16	0 17	0 18	F 18	F 19	NE 21	NE 22	AL 27
	0.1004	5.6851	-4.7365	-0.8077	-0.7824	0.8724	-1.4860	-5.7299	-8.0249	-17.1961
	-21.8779	-11.3250	-17.2517	-6.2567	3.1538	-12.2874	-16.0598	-4.1963	5.4161	-7.6017
	0.0031	0.0029	0.0029	0.0031	0.0029	0.0401	0.0029	0.0034	0.0031	0.0066
BE9	N 13	N 14	0 14	0 15	0 16	F 16	F 17	NE 19	NE 20	AL 25
	5.3452	2.8637	8.0080	2.8599	-4.7365	10.6860	1.9519	1.7520	-7.0415	-8.9310
	-35.1382	-15.0630	-33.6102	-12.6613	-5.6992		-26.0504	-9.0201	-4.6339	-17.7192
	0.0097	0.0037	0.0701	0.0035	0.0037	MASS	0.0402	0.0060	0.0040	0.0601
BE10	N 12	N 13	0 13	0 14	0 15	F 15	F 16	NE 18	NE 19	AL 24
	17.3490	5.3452	23.1100	8.0080	2.8599	UNKNOWN	10.6860	5.3193	1.7520	-0.0700
	-31.1251	-29.9071	-20.9167	-20.6545	-21.0264	-12.3663	-24.8981	-14.0050	-13.1520	-11.8911
	0.0031	0.0032	0.0032	0.0047	0.0153	0.0032	0.0031	0.0057	0.0077	0.0036
B8	C 14	C 15	N 15	N 16	N 17	0 17	0 18	F 20	F 21	MG 26
	3.0198	9.8732	0.1004	5.6851	7.8710	-0.8077	-0.7824	-0.0119	-0.0460	-16.2142
	-17.2344	-12.2876	-15.2906	-6.9622	-2.3849	-5.1630	-10.0731	-4.0184	-0.8411	-3.3011
	0.0027	0.0029	0.0030	0.0028	0.0029	0.0030	0.0028	0.0031	0.0031	0.0032
B10	C 12	C 13	N 13	N 14	N 15	0 15	0 16	F 18	F 19	MG 24
	0.	3.1246	5.3452	2.8637	0.1004	2.8599	-4.7365	0.8724	-1.4860	-13.9333
	-24.4983	-5.7784	-23.9099	-6.0592	-1.7637	-6.9265	-14.2850	-1.7134	0.1850	-8.3775
	0.0029	0.0027	0.0094	0.0029	0.0027	0.0028	0.0030	0.0030	0.0030	0.0040
B11	C 11	C 12	N 12	N 13	N 14	0 14	0 15	F 17	F 18	MG 23
	10.6484	0.	17.3490	5.3452	2.8637	8.0080	2.8599	1.9519	0.8724	-5.4724

11 NA 23

MASS EXCESS -9.5283 +/- 0.0019 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.9615	11.6940	16.7983	21.6358	17.6138	10.0925	26.4537	29.8184	19.4862
		0.0037	0.0026	0.0027	0.0026	0.0030	0.0026	0.0043	0.0043	0.0022
GAMMA	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35
		-8.4184	-13.9333	-13.1907	-16.2142	-12.2108	-17.1961	-21.8936	-24.4394	-29.0145
	-12.4175		-4.8383	9.4695	10.5409	6.2626	-2.9642	17.9786	19.2012	6.8513
	0.0033		0.0035	0.0026	0.0027	0.0063	0.0030	0.0036	0.0043	0.0063
N	NA 22	NA 23	MG 23	MG 24	MG 25	AL 25	AL 26	SI 28	SI 29	CL 34
	-5.1822		-5.4724	-13.9333	-13.1907	-8.9310	-12.2108	-21.4899	-21.8936	-24.4510
	-8.7924	-3.5976		4.7370	7.4887	11.3047	1.8217	14.1265	16.3080	13.1162
	0.0020	0.0039		0.0037	0.0092	0.0027	0.0026	0.0043	0.0064	0.0033
P	NE 22	NE 23	NA 23	NA 24	NA 25	MG 25	MG 26	AL 28	AL 29	S 34
	-8.0249	-5.1483		-8.4184	-9.3560	-13.1907	-16.2142	-16.8554	-18.2180	-29.9335
	-16.9343	-6.5679	-10.1930		0.7041	6.2004	-7.0488	8.6203	9.0985	3.9184
	0.0024	0.0020	0.0033		0.0037	0.0026	0.0027	0.0028	0.0043	0.0034
D	NE 21	NE 22	NA 22	NA 23	NA 24	MG 24	MG 25	AL 27	AL 28	S 33
	-5.7299	-8.0249	-5.1822		-8.4184	-13.9333	-13.1907	-17.1961	-16.8554	-26.5826
	-17.4367	-10.6769	-15.0043	-6.1601		-4.0745	-8.1202	1.8210	7.6251	1.5345
	0.0020	0.0024	0.0082	0.0033		0.0035	0.0026	0.0032	0.0028	0.0021
T	NE 20	NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32
	-7.0415	-5.7299	-2.1850	-5.1822		-5.4724	-13.9333	-12.2108	-17.1961	-26.0127
	-24.4477	-16.3422	-11.4408	-3.2988	-4.3614		-13.6165	5.8430	5.0303	-0.1569
	0.0051	0.0073	0.0024	0.0020	0.0039		0.0037	0.0028	0.0044	0.0028
HE3	F 20	F 21	NE 21	NE 22	NE 23	NA 23	NA 24	MG 26	MG 27	P 32
	-0.0119	-0.0460	-5.7299	-8.0249	-5.1483		-8.4184	-16.2142	-14.5826	-24.3027
	-10.4670	-3.8697	2.3774	6.9128	11.0218	8.1605		15.3260	19.1684	12.4845
	0.0021	0.0051	0.0020	0.0025	0.0020	0.0033		0.0029	0.0029	0.0024
HE4	F 19	F 20	NE 20	NE 21	NE 22	NA 22	NA 23	MG 25	MG 26	P 31
	-1.4860	-0.0119	-7.0415	-5.7299	-8.0249	-5.1822		-13.1907	-16.2142	-24.4376
	-29.0784	-19.9275	-25.1568	-15.7426	-5.1351	-19.1752	-22.5167	-7.5657	1.7141	-10.1815
	0.0045	0.0045	0.0065	0.0047	0.0045	0.0801	0.0092	0.0054	0.0049	0.0075
HE6	F 17	F 18	NE 18	NE 19	NE 20	NA 20	NA 21	MG 23	MG 24	P 29
	1.9519	0.8724	5.3193	1.7520	-7.0415	6.9800	-2.1850	-5.4724	-13.9333	-16.9450
	-22.8090	-14.7628	-17.2001	-8.9948	-8.6549	-1.6439	-15.4620		-0.2910	-1.7231
	0.0024	0.0022	0.0023	0.0023	0.0023	0.0023	0.0027		0.0040	0.0043
LI6	O 17	O 18	F 18	F 19	F 20	NE 20	NE 21	NA 23	NA 24	SI 29
	-0.8077	-0.7824	0.8724	-1.4860	-0.0119	-7.0415	-5.7299		-8.4184	-21.8936

11 Na 23

	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
	-19.6990	-15.5565	-19.0985	-12.1721	-7.9997	-11.2563	-14.9693	-5.1650			-2.9457
	0.0022	0.0024	0.0023	0.0023	0.0023	0.0027	0.0023	0.0036			0.0036
LI7	0 16	0 17	F 17	F 18	F 19	NE 19	NE 20	NA 22	NA 23		SI 28
	-4.7365	-0.8077	1.9519	0.8724	-1.4860	1.7520	-7.0415	-5.1822			-21.4899
	-33.3344	-17.6665	-33.8715	-19.2905	-16.3969	-20.8625	-29.8017	-14.2011	-10.3850		-18.0885
	0.0027	0.0024	0.0401	0.0025	0.0026	0.0053	0.0029	0.0084	0.0038		0.0036
LI8	0 15	0 16	F 16	F 17	F 18	NE 18	NE 19	NA 21	NA 22		SI 27
	2.8599	-4.7365	10.6860	1.9519	0.8724	5.3193	1.7520	-2.1850	-5.1822		-12.3860
	-42.5013	-29.2818		-32.0434	-21.4952	-36.0720	-37.3878	-27.3849	-17.4010		-27.3613
	0.0201	0.0201	MASS	0.0448	0.0201	0.2010	0.0206	0.0825	0.0217		0.0239
LI9	0 14	0 15	F 15	F 16	F 17	NE 17	NE 18	NA 20	NA 21		SI 26
	8.0080	2.8599	UNKNOWN	10.6860	1.9519	16.5100	5.3193	6.9800	-2.1850		-7.1320
	-30.9823	-25.0968	-17.2005	-11.3789	-13.6800	-8.8799	-22.8605	-3.1839	-5.2416		-8.4418
	0.0041	0.0152	0.0024	0.0022	0.0036	0.0023	0.0052	0.0025	0.0042		0.0043
BE7	N 16	N 17	0 17	0 18	0 19	F 19	F 20	NE 22	NE 23		AL 28
	5.6851	7.8710	-0.8077	-0.7824	3.3327	-1.4860	-0.0119	-8.0249	-5.1483		-16.8554
	-23.7425	-12.9078	-16.4497	-3.0063	-5.1212	-7.8994	-19.3264	0.2511	-0.2416		-8.6680
	0.0021	0.0023	0.0024	0.0021	0.0023	0.0022	0.0023	0.0024	0.0028		0.0031
BE9	N 14	N 15	0 15	0 16	0 17	F 17	F 18	NE 20	NE 21		AL 26
	2.8637	0.1004	2.8599	-4.7365	-0.8077	1.9519	0.8724	-7.0415	-5.7299		-12.2108
	-27.4805	-16.9276	-22.8543	-11.8593	-2.4488	-17.8900	-21.6624	-9.7989	-0.1865		-13.2043
	0.0031	0.0029	0.0029	0.0031	0.0029	0.0401	0.0030	0.0035	0.0031		0.0067
BE10	N 13	N 14	0 14	0 15	0 16	F 16	F 17	NE 19	NE 20		AL 25
	5.3452	2.8637	8.0080	2.8599	-4.7365	10.6860	1.9519	1.7520	-7.0415		-8.9310
	-42.3246	-38.0730	-30.8475	-27.1865	-30.6014	-16.7376	-33.3593	-18.3170	-22.0441		-17.8688
	0.0026	0.0162	0.0043	0.0152	0.4000	0.0024	0.0038	0.0075	0.6000		0.0045
B8	C 15	C 16	N 16	N 17	N 18	0 18	0 19	F 21	F 22		MG 27
	9.8732	13.6930	5.6851	7.8710	13.1000	-0.7824	3.3327	-0.0460	4.5000		-14.5826
	-24.7051	-16.5289	-17.1552	-8.5450	-12.3156	-1.9126	-18.3480	-6.0061	-6.6613		-8.3898
	0.0021	0.0020	0.0020	0.0021	0.0040	0.0020	0.0022	0.0024	0.0052		0.0027
B10	C 13	C 14	N 14	N 15	N 16	0 16	0 17	F 19	F 20		MG 25
	3.1246	3.0198	2.8637	0.1004	5.6851	-4.7365	-0.8077	-1.4860	-0.0119		-13.1907
	-18.1960	-13.2491	-16.2522	-7.9238	-3.3464	-6.1245	-11.0347	-4.9800	-1.8027		-4.2627
	0.0019	0.0021	0.0022	0.0019	0.0021	0.0023	0.0020	0.0024	0.0024		0.0026
B11	C 12	C 13	N 13	N 14	N 15	0 15	0 16	F 18	F 19		MG 24
	0.	3.1246	5.3452	2.8637	0.1004	2.8599	-4.7365	0.8724	-1.4860		-13.9333

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
	-30.7925	-21.6416	-26.8709	-17.4567	-6.8492	-20.8893	-24.2308	-9.2798		-11.8956
	0.0021	0.0022	0.0051	0.0026	0.0021	0.0800	0.0083	0.0037		0.0063
LI7	F 17	F 18	NE 18	NE 19	NE 20	NA 20	NA 21	MG 23	MG 24	P 29
	1.9519	0.8724	5.3193	1.7520	-7.0415	6.9800	-2.1850	-5.4724		-16.9450
	-45.5655	-28.7600	-44.1005	-27.0629	-21.6815		-39.4347	-20.4111	-14.4998	-27.7595
	0.0401	0.0023	0.2000	0.0052	0.0028	MASS	0.0800	0.0501	0.0038	0.0600
LI8	F 16	F 17	NE 17	NE 18	NE 19	NA 19	NA 20	MG 22	MG 23	P 28
	10.6860	1.9519	16.5100	5.3193	1.7520	UNKNOWN	6.9800	-0.3800	-5.4724	-7.1200
		-41.5129		-42.2724	-29.2676			-35.7099	-23.6110	
	MASS	0.0448	MASS	0.2010	0.0206	MASS	MASS	0.2010	0.0539	MASS
LI9	F 15	F 16	NE 16	NE 17	NE 18	NA 18	NA 19	MG 21	MG 22	P 27
	UNKNOWN	10.6860	UNKNOWN	16.5100	5.3193	UNKNOWN	UNKNOWN	10.9000	-0.3800	UNKNOWN
	-28.8945	-20.8483	-23.2856	-15.0803	-14.7404	-7.7294	-21.5475	-6.0855	-6.3765	-7.8086
	0.0022	0.0020	0.0022	0.0022	0.0051	0.0021	0.0025	0.0030	0.0039	0.0042
BE7	O 17	O 18	F 18	F 19	F 20	NE 20	NE 21	NA 23	NA 24	SI 29
	-0.8077	-0.7824	0.8724	-1.4860	-0.0119	-7.0415	-5.7299	-9.5283	-8.4184	-21.8936
	-28.1437	-12.4758	-28.6808	-14.0998	-11.2062	-15.6718	-24.6110	-9.0104	-5.1943	-12.8978
	0.0023	0.0019	0.0400	0.0020	0.0021	0.0051	0.0025	0.0083	0.0035	0.0032
BE9	O 15	O 16	F 16	F 17	F 18	NE 18	NE 19	NA 21	NA 22	SI 27
	2.8599	-4.7365	10.6860	1.9519	0.8724	5.3193	1.7520	-2.1850	-5.1822	-12.3860
	-34.5483	-21.3288		-24.0904	-13.5423	-28.1190	-29.4348	-19.4319	-9.4480	-19.4083
	0.0028	0.0030	MASS	0.0401	0.0028	0.2000	0.0055	0.0801	0.0085	0.0133
BE10	O 14	O 15	F 15	F 16	F 17	NE 17	NE 18	NA 20	NA 21	SI 26
	8.0080	2.8599	UNKNOWN	10.6860	1.9519	16.5100	5.3193	6.9800	-2.1850	-7.1320
	-42.5415	-36.6560	-28.7597	-22.9381	-25.2392	-20.4391	-34.4197	-14.7431	-16.8008	-20.0010
	0.0042	0.0152	0.0024	0.0023	0.0037	0.0024	0.0052	0.0026	0.0042	0.0043
B8	N 16	N 17	O 17	O 18	O 19	F 19	F 20	NE 22	NE 23	AL 28
	5.6851	7.8710	-0.8077	-0.7824	3.3327	-1.4860	-0.0119	-8.0249	-5.1483	-16.8554
	-28.8492	-18.0145	-21.5564	-8.1130	-10.2278	-13.0061	-24.4331	-4.8556	-5.3483	-13.7747
	0.0018	0.0019	0.0021	0.0018	0.0020	0.0019	0.0020	0.0021	0.0026	0.0029
B10	N 14	N 15	O 15	O 16	O 17	F 17	F 18	NE 20	NE 21	AL 26
	2.8637	0.1004	2.8599	-4.7365	-0.8077	1.9519	0.8724	-7.0415	-5.7299	-12.2108
	-27.9462	-17.3933	-23.3200	-12.3250	-2.9145	-18.3556	-22.1281	-10.2646	-0.6522	-13.6700
	0.0020	0.0017	0.0018	0.0021	0.0018	0.0400	0.0018	0.0026	0.0021	0.0062
B11	N 13	N 14	O 14	O 15	O 16	F 16	F 17	NE 19	NE 20	AL 25
	5.3452	2.8637	8.0080	2.8599	-4.7365	10.6860	1.9519	1.7520	-7.0415	-8.9310

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12 Mg 24

12 MG 25

MASS EXCESS -13.1907 +/- 0.0019 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		11.0949	6.3091	17.1413	18.6147	23.2305	11.1277	25.3353	26.0193	17.7602
		0.0026	0.0030	0.0026	0.0042	0.0034	0.0042	0.0026	0.0030	0.0023
GAMMA	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32	AR 37
		-16.2142	-12.2108	-17.1961	-16.8554	-21.4899	-21.8936	-24.4376	-24.3027	-30.9509
	-7.3288		-5.0422	4.0846	10.8839	6.0552	2.6525	13.0233	18.0828	8.9695
	0.0026		0.0063	0.0030	0.0026	0.0032	0.0034	0.0073	0.0026	0.0030
N	MG 24	MG 25	AL 25	AL 26	AL 27	SI 27	SI 28	P 30	P 31	AR 36
	-13.9333		-8.9310	-12.2108	-17.1961	-12.3860	-21.4899	-20.1970	-24.4376	-30.2316
	-12.0613	-3.0523		8.8704	9.0529	11.6477	-1.1995	18.0481	17.3896	9.0399
	0.0037	0.0092		0.0026	0.0043	0.0026	0.0042	0.0043	0.0055	0.0045
P	NA 24	NA 25	MG 25	MG 26	MG 27	AL 27	AL 28	SI 30	SI 31	CL 36
	-8.4184	-9.3560		-16.2142	-14.5826	-17.1961	-16.8554	-24.4394	-22.9620	-29.5196
	-16.7983	-9.8368	-5.1043		4.8375	0.8155	-6.7058	9.6554	13.0201	2.6879
	0.0027	0.0037	0.0026		0.0026	0.0030	0.0026	0.0043	0.0043	0.0023
D	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35
	-9.5283	-8.4184	-13.9333		-16.2142	-12.2108	-17.1961	-21.8936	-24.4394	-29.0145
	-22.9584	-10.5409	-15.3793	-1.0714		-4.2783	-13.5051	7.4377	8.6602	-3.6897
	0.0033	0.0027	0.0035	0.0026		0.0063	0.0030	0.0036	0.0043	0.0063
T	NA 22	NA 23	MG 23	MG 24	MG 25	AL 25	AL 26	SI 28	SI 29	CL 34
	-5.1822	-9.5283	-5.4724	-13.9333		-8.9310	-12.2108	-21.4899	-21.8936	-24.4510
	-20.0971	-14.9023	-11.3047	-6.5677	-3.8161		-9.4831	2.8218	5.0033	1.8115
	0.0020	0.0039	0.0027	0.0037	0.0092		0.0027	0.0043	0.0064	0.0033
HE3	NE 22	NE 23	NA 23	NA 24	NA 25	MG 25	MG 26	AL 28	AL 29	S 34
	-8.0249	-5.1483	-9.5283	-8.4184	-9.3560		-16.2142	-16.8554	-18.2180	-29.9335
	-9.8856	0.4809	-3.1443	7.0488	7.7529	13.2492		15.6690	16.1472	10.9672
	0.0025	0.0020	0.0033	0.0027	0.0037	0.0026		0.0029	0.0043	0.0034
HE4	NE 21	NE 22	NA 22	NA 23	NA 24	MG 24	MG 25	AL 27	AL 28	S 33
	-5.7299	-8.0249	-5.1822	-9.5283	-8.4184	-13.9333		-17.1961	-16.8554	-26.5826
	-32.5409	-15.6760	-30.4799	-15.4680	-10.6568	-15.4776	-22.8917	-7.7695	-3.6708	-11.7969
	0.0047	0.0045	0.0801	0.0091	0.0052	0.0502	0.0053	0.0075	0.0051	0.0119
HE6	NE 19	NE 20	NA 20	NA 21	NA 22	MG 22	MG 23	AL 25	AL 26	S 31
	1.7520	-7.0415	6.9800	-2.1850	-5.1822	-0.3800	-5.4724	-8.9310	-12.2108	-18.9920
	-25.7931	-19.1558	-12.9486	-8.4133	-4.3043	-7.1656	-15.3260		3.8424	-2.8415
	0.0023	0.0052	0.0023	0.0027	0.0023	0.0035	0.0029		0.0030	0.0026
LI6	F 19	F 20	NE 20	NE 21	NE 22	NA 22	NA 23	MG 25	MG 26	P 31
	-1.4860	-0.0119	-7.0415	-5.7299	-8.0249	-5.1822	-9.5283		-16.2142	-24.4376

12 MG 25

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
	-28.9704	-18.5406	-22.5610	-7.9206	-7.4182	-10.9817	-20.4910	-0.0763		-7.9010
	0.0023	0.0023	0.0027	0.0023	0.0027	0.0083	0.0035	0.0030		0.0073
LI7	F 18	F 19	NE 19	NE 20	NE 21	NA 21	NA 22	MG 24	MG 25	P 30
	0.8724	-1.4860	1.7520	-7.0415	-5.7299	-2.1850	-5.1822	-13.9333		-20.1970
	-36.0888	-26.9379	-32.1672	-22.7530	-12.1454	-26.1856	-29.5271	-14.5761	-5.2963	-17.1919
	0.0025	0.0026	0.0053	0.0029	0.0025	0.0800	0.0084	0.0039	0.0032	0.0065
LI8	F 17	F 18	NE 18	NE 19	NE 20	NA 20	NA 21	MG 23	MG 24	P 29
	1.9519	0.8724	5.3193	1.7520	-7.0415	6.9800	-2.1850	-5.4724	-13.9333	-16.9450
	-48.8417	-32.0362	-47.3767	-30.3391	-24.9577		-42.7109	-23.6873	-17.7760	-31.0357
	0.0448	0.0201	0.2010	0.0206	0.0202	MASS	0.0825	0.0539	0.0203	0.0633
LI9	F 16	F 17	NE 17	NE 18	NE 19	NA 19	NA 20	MG 22	MG 23	P 28
	10.6860	1.9519	16.5100	5.3193	1.7520	UNKNOWN	6.9800	-0.3800	-5.4724	-7.1200
	-28.1772	-24.2209	-20.1846	-15.8118	-13.9637	-8.2984	-18.5099	-6.4528	-4.6963	-4.5202
	0.0022	0.0036	0.0023	0.0052	0.0073	0.0027	0.0023	0.0040	0.0093	0.0043
BE7	O 18	O 19	F 19	F 20	F 21	NE 21	NE 22	NA 24	NA 25	SI 30
	-0.7824	3.3327	-1.4860	-0.0119	-0.0460	-5.7299	-8.0249	-8.4184	-9.3560	-24.4394
	-19.8046	-15.6621	-19.2041	-12.2777	-8.1053	-11.3619	-15.0749	-5.2706	-0.1056	-3.0513
	0.0021	0.0023	0.0022	0.0023	0.0023	0.0027	0.0022	0.0036	0.0030	0.0035
BE9	O 16	O 17	F 17	F 18	F 19	NE 19	NE 20	NA 22	NA 23	SI 28
	-4.7365	-0.8077	1.9519	0.8724	-1.4860	1.7520	-7.0415	-5.1822	-9.5283	-21.4899
	-28.6576	-12.9897	-29.1947	-14.6137	-11.7201	-16.1857	-25.1249	-9.5243	-5.7082	-13.4117
	0.0031	0.0029	0.0401	0.0030	0.0030	0.0055	0.0033	0.0086	0.0041	0.0039
BE10	O 15	O 16	F 16	F 17	F 18	NE 18	NE 19	NA 21	NA 22	SI 27
	2.8599	-4.7365	10.6860	1.9519	0.8724	5.3193	1.7520	-2.1850	-5.1822	-12.3860
	-43.9848	-41.1424	-28.0424	-26.3106	-24.9628	-21.1706	-33.6430	-16.8771	-15.2575	-17.8958
	0.0152	0.4000	0.0024	0.0038	0.0084	0.0053	0.0074	0.0043	0.0103	0.0065
BE8	N 17	N 18	O 18	C 19	O 20	F 20	F 21	NE 23	NE 24	AL 29
	7.8710	13.1000	-0.7824	3.3327	3.7990	-0.0119	-0.0460	-5.1483	-5.9490	-18.2180
	-25.3433	-22.8566	-13.2174	-11.2993	-9.5105	-11.1840	-21.3321	-5.4246	-2.3107	-8.0468
	0.0021	0.0040	0.0020	0.0022	0.0020	0.0021	0.0022	0.0027	0.0023	0.0027
B10	N 15	N 16	O 16	O 17	O 18	F 18	F 19	NE 21	NE 22	AL 27
	0.1004	5.6851	-4.7365	-0.8077	-0.7824	0.8724	-1.4860	-5.7299	-8.0249	-17.1961
	-24.7221	-13.8873	-17.4293	-3.9859	-6.1007	-8.8789	-20.3060	-0.7285	-1.2212	-9.6476
	0.0019	0.0021	0.0023	0.0020	0.0021	0.0020	0.0021	0.0023	0.0027	0.0030
B11	N 14	N 15	O 15	O 16	O 17	F 17	F 18	NE 20	NE 21	AL 26
	2.8637	0.1004	2.8599	-4.7365	-0.8077	1.9519	0.8724	-7.0415	-5.7299	-12.2108

12 MG 26

MASS EXCESS -16.2142 +/- 0.0018 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.4398	8.2709	13.7771	16.9537	20.6107	10.6500	22.1769	25.0277	18.5040
		0.0042	0.0025	0.0041	0.0063	0.0041	0.0041	0.0030	0.0040	0.0031
GAMMA	MG 26	MG 27	AL 27	AL 28	AL 29	SI 29	SI 30	P 32	P 33	AR 38
		-14.5826	-17.1961	-16.8554	-18.2180	-21.8936	-24.4394	-24.3027	-26.3346	-34.7182
		-11.0949	-4.7858	6.0464	7.5197	12.1356	0.0327	14.2404	14.9244	6.6653
		0.0026	0.0029	0.0026	0.0041	0.0033	0.0041	0.0025	0.0030	0.0022
N	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32	AR 37
		-13.1907	-12.2108	-17.1961	-16.8554	-21.4899	-21.8936	-24.4376	-24.3027	-30.9509
		-14.1472	-7.7418	4.2153	6.4668	8.2836	-2.8604	13.5472	15.4941	8.2616
		0.0092	0.3000	0.0042	0.0063	0.0041	0.0063	0.0054	0.0073	0.0021
P	NA 25	NA 26	MG 26	MG 27	MG 28	AL 28	AL 29	SI 31	SI 32	CL 37
		-9.3560	-7.6900	-14.5826	-15.0200	-16.8554	-18.2180	-22.9620	-24.0900	-31.7648
		-20.9317	-11.9227	-8.8704	0.1824	2.7773	-10.0700	9.1777	8.5192	0.1695
		0.0037	0.0092	0.0026	0.0042	0.0026	0.0041	0.0043	0.0054	0.0045
D	NA 24	NA 25	MG 26	MG 27	MG 28	AL 27	AL 28	SI 30	SI 31	CL 36
		-8.4184	-9.3560	-13.1907	-14.5826	-17.1961	-16.8554	-24.4394	-22.9620	-29.5196
		-21.6358	-14.6743	-9.9419	-4.8375	-4.0220	-11.5433	4.8179	8.1825	-2.1497
		0.0026	0.0037	0.0025	0.0026	0.0029	0.0026	0.0043	0.0043	0.0022
T	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35
		-9.5283	-8.4184	-13.9333	-13.1907	-12.2108	-17.1961	-21.8936	-24.4394	-29.0145
		-25.9972	-17.1251	-15.4381	-8.6536	-8.5056	-14.1382	1.1609	0.9118	-2.2984
		0.0039	0.0102	0.0037	0.0092	0.3000	0.0042	0.0064	0.2500	0.0022
HE3	NE 23	NE 24	NA 24	NA 25	NA 26	MG 26	MG 27	AL 29	AL 30	S 35
		-5.1483	-5.9490	-8.4184	-9.3560	-7.6900	-14.5826	-18.2180	-17.1500	-28.8471
		-10.6140	-5.4192	-1.8217	2.9154	5.6670	9.4831	12.3049	14.4863	11.2946
		0.0019	0.0039	0.0026	0.0037	0.0092	0.0027	0.0043	0.0064	0.0033
HE4	NE 22	NE 23	NA 23	NA 24	NA 25	MG 25	MG 26	AL 28	AL 29	S 34
		-8.0249	-5.1483	-9.5283	-8.4184	-9.3560	-13.1907	-16.8554	-18.2180	-29.9335
		-26.7709	-20.0111	-24.3384	-15.4943	-9.3342	-13.4087	-17.4543	-7.5132	-1.7090
		0.0044	0.0046	0.0091	0.0052	0.0048	0.0053	0.0047	0.0051	0.0045
HE6	NE 20	NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32
		-7.0415	-5.7299	-2.1850	-5.1822	-9.5283	-5.4724	-13.9333	-12.2108	-17.1961
		-30.2907	-22.1852	-17.2837	-9.1418	-10.2043	-5.8430	-19.4594	-0.8127	-5.9999
		0.0052	0.0073	0.0026	0.0022	0.0040	0.0028	0.0039	0.0045	0.0030
LI6	F 20	F 21	NE 21	NE 22	NE 23	NA 23	NA 24	MG 26	MG 27	P 32
		-0.0119	-0.0460	-5.7299	-8.0249	-5.1483	-9.5283	-8.4184	-14.5826	-24.3027

12 MG 26

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
	-29.6355	-23.0382	-16.7910	-12.2557	-8.1467	-11.0080	-19.1684	-3.8424			-6.6839
	0.0023	0.0052	0.0022	0.0026	0.0022	0.0034	0.0029	0.0030			0.0025
L17	F 19	F 20	NE 20	NE 21	NE 22	NA 22	NA 23	MG 25		MG 26	P 31
	-1.4860	-0.0119	-7.0415	-5.7299	-8.0249	-5.1822	-9.5283	-13.1907			-24.4376
	-38.0328	-27.6030	-31.6234	-16.9830	-16.4805	-20.0441	-29.5534	-9.1387	-9.0624	-16.9634	
	0.0025	0.0025	0.0028	0.0024	0.0028	0.0083	0.0036	0.0031	0.0032	0.0074	
L18	F 18	F 19	NE 19	NE 20	NE 21	NA 21	NA 22	MG 24		MG 25	P 30
	0.8724	-1.4860	1.7520	-7.0415	-5.7299	-2.1850	-5.1822	-13.9333	-13.1907	-20.1970	
	-43.1311	-33.9802	-39.2095	-29.7953	-19.1877	-33.2279	-36.5694	-21.6184	-12.3386	-24.2342	
	0.0201	0.0201	0.0206	0.0201	0.0201	0.0825	0.0216	0.0203	0.0202	0.0210	
L19	F 17	F 18	NE 18	NE 19	NE 20	NA 20	NA 21	MG 23		MG 24	P 29
	1.9519	0.8724	5.3193	1.7520	-7.0415	6.9800	-2.1850	-5.4724	-13.9333	-16.9450	
	-35.3158	-27.7107	-24.6822	-18.8012	-21.5331	-9.0269	-24.4100	-8.5387	-9.3858	-9.0211	
	0.0036	0.0083	0.0052	0.0073	0.6000	0.0022	0.0040	0.0093	0.3000	0.0054	
BE7	O 19	O 20	F 20	F 21	F 22	NE 22	NE 23	NA 25		NA 26	SI 31
	3.3327	3.7990	-0.0119	-0.0460	4.5000	-8.0249	-5.1483	-9.3560	-7.6900	-22.9620	
	-26.7570	-18.7108	-21.1481	-12.9428	-12.6028	-5.5919	-19.4100	-3.9480	-4.2390	-5.6711	
	0.0022	0.0020	0.0022	0.0022	0.0051	0.0021	0.0025	0.0030	0.0039	0.0042	
BE9	O 17	O 18	F 18	F 19	F 20	NE 20	NE 21	NA 23		NA 24	SI 29
	-0.8077	-0.7824	0.8724	-1.4860	-0.0119	-7.0415	-5.7299	-9.5283	-8.4184	-21.8936	
	-24.0846	-19.9421	-23.4841	-16.5577	-12.3852	-15.6419	-19.3549	-9.5506	-4.3856	-7.3313	
	0.0029	0.0030	0.0029	0.0030	0.0030	0.0033	0.0029	0.0041	0.0036	0.0040	
BE10	O 16	O 17	F 17	F 18	F 19	NE 19	NE 20	NA 22		NA 23	SI 28
	-4.7365	-0.8077	1.9519	0.8724	-1.4860	1.7520	-7.0415	-5.1822	-9.5283	-21.4899	
	-52.2373		-35.1810	-29.8004		-24.1600	-41.2125	-19.0999			-21.9873
	0.4000	MASS	0.0037	0.0083	MASS	0.0074	0.6000	0.0103	MASS		0.2500
BE	N 18	N 19	O 19	O 20	O 21	F 21	F 22	NE 24		NE 25	AL 30
	13.1000	UNKNOWN	3.3327	3.7990	UNKNOWN	-0.0460	4.5000	-5.9490	UNKNOWN	UNKNOWN	-17.1500
	-33.9515	-28.0660	-20.1697	-14.3481	-16.6491	-11.8491	-25.8297	-6.1531	-8.2108	-11.4110	
	0.0040	0.0151	0.0021	0.0019	0.0035	0.0020	0.0051	0.0022	0.0040	0.0041	
B10	N 16	N 17	O 17	O 18	O 19	F 19	F 20	NE 22		NE 23	AL 28
	5.6851	7.8710	-0.8077	-0.7824	3.3327	-1.4860	-0.0119	-8.0249	-5.1483	-16.8554	
	-24.9823	-22.4955	-12.8563	-10.9383	-9.1495	-10.8229	-20.9711	-5.0636	-1.9497	-7.6858	
	0.0020	0.0039	0.0019	0.0020	0.0019	0.0020	0.0020	0.0026	0.0022	0.0026	
B11	N 15	N 16	O 16	O 17	O 18	F 18	F 19	NE 21		NE 22	AL 27
	0.1004	5.6851	-4.7365	-0.8077	-0.7824	0.8724	-1.4860	-5.7299	-8.0249	-17.1961	

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MASS EXCESS -12.2108 +/- 0.0023 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING											
			13.0567	7.4642	22.4150	24.6327	19.6655	10.4110	27.8903	29.2791	16.5752
			0.0029	0.0035	0.0036	0.0044	0.0064	0.0074	0.0027	0.0038	0.0103
GAMMA	AL 26	AL 27	SI 27	SI 28	SI 29	P 29	P 30	S 32	S 33	K 38	
		-17.1961	-12.3860	-21.4899	-21.8936	-16.9450	-20.1970	-26.0127	-26.5826	-28.7860	
		-11.3512		-5.8612	5.2397	16.1576	1.7691	-0.9125	12.7982	20.6378	4.5174
		0.0064		0.0132	0.0035	0.0036	0.0600	0.0064	0.0113	0.0027	0.0311
N	AL 25	AL 26	SI 26	SI 27	SI 28	P 28	P 29	S 31	S 32	K 37	
		-8.9310	-7.1320	-12.3860	-21.4899	-7.1200	-16.9450	-18.9920	-26.0127	-24.7996	
		-6.3091	4.7858		10.8322	12.3056	16.9214	4.8186	19.0262	19.7102	11.4511
		0.0030	0.0029		0.0029	0.0044	0.0036	0.0044	0.0029	0.0033	0.0026
P	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32	AR 37	
		-13.1907	-16.2142	-17.1961	-16.8554	-21.4899	-21.8936	-24.4376	-24.3027	-30.9509	
		-11.4134	-4.0846	-9.1267		6.7993	1.9706	-1.4321	8.9387	13.9982	4.8849
		0.0029	0.0030	0.0064		0.0029	0.0035	0.0036	0.0075	0.0029	0.0033
D	MG 24	MG 25	AL 25	AL 26	AL 27	SI 27	SI 28	P 30	P 31	AR 36	
		-13.9333	-13.1907	-8.9310	-17.1961	-12.3860	-21.4899	-20.1970	-24.4376	-30.2316	
		-21.6883	-5.1560	-19.8018	-5.0938		-5.0974	-12.3500	3.8726	7.9435	-4.1097
		0.0037	0.0029	0.0600	0.0064		0.0132	0.0035	0.0065	0.0075	0.0162
T	MG 23	MG 24	AL 24	AL 25	AL 26	SI 26	SI 27	P 29	P 30	AR 35	
		-5.4724	-13.9333	-0.0700	-8.9310	-7.1320	-12.3860	-16.9450	-20.1970	-23.0510	
		-17.6138	-10.6523	-5.9198	-0.8155	4.0220		-7.5213	8.8399	12.2046	1.8724
		0.0030	0.0039	0.0029	0.0030	0.0029		0.0030	0.0045	0.0045	0.0026
HE3	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35	
		-9.5283	-8.4184	-13.9333	-13.1907	-16.2142	-17.1961	-21.8936	-24.4394	-29.0145	
		-9.4533	2.9642	-1.8742	12.4337	13.5051	9.2268		20.9427	22.1653	9.8154
		0.0036	0.0030	0.0037	0.0029	0.0030	0.0064		0.0038	0.0045	0.0064
HE4	NA 22	NA 23	MG 23	MG 24	MG 25	AL 25	AL 26	SI 28	SI 29	CL 34	
		-5.1822	-5.5283	-5.4724	-13.9333	-13.1907	-8.9310	-21.4899	-21.8936	-24.4510	
		-36.7890	-19.5526	-33.4200	-16.2931	-9.3867		-27.3142	-8.5886	-2.5157	-16.9990
		0.0801	0.0092	0.2001	0.0502	0.0055	MASS	0.0602	0.0138	0.0054	0.3800
HE6	NA 20	NA 21	MG 21	MG 22	MG 23	AL 23	AL 24	SI 26	SI 27	CL 32	
		6.9800	-2.1850	10.9000	-0.3800	-5.4724	UNKNOWN	-0.0700	-7.1320	-12.3860	-12.8100
		-19.2577	-12.4979	-16.8252	-7.9811	-1.8210	-5.8955	-9.9411		5.8042	-0.2865
		0.0026	0.0030	0.0084	0.0037	0.0032	0.0039	0.0031		0.0033	0.0027
LI6	NE 20	NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32	
		-7.0415	-5.7299	-2.1850	-5.1822	-9.5283	-5.4724	-13.9333	-17.1961	-26.0127	

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
	-28.8701	-12.0052	-26.8091	-11.7972	-6.9860	-11.8068	-19.2209	-4.0987			-8.1261
	0.0030	0.0026	0.0800	0.0084	0.0037	0.0501	0.0039	0.0066			0.0113
LI7	NE 19	NE 20	NA 20	NA 21	NA 22	MG 22	MG 23	AL 25		AL 26	S 31
	1.7520	-7.0415	6.9800	-2.1850	-5.1822	-0.3800	-5.4724	-8.9310			-18.9920
	-38.4763	-26.8376			-27.0011	-16.0220	-29.1257	-30.3522	-18.9986	-9.3187	-19.2000
	0.0054	0.0032	MASS	0.0800	0.0085	0.2000	0.0501	0.0601	0.0067	0.0252	
LI8	NE 18	NE 19	NA 19	NA 20	NA 21	MG 21	MG 22	AL 24		AL 25	S 30
	5.3193	1.7520	UNKNOWN	6.9800	-2.1850	10.9000	-0.3800	-0.0700		-8.9310	-13.9570
	-53.6858	-34.4237				-29.2058	-38.6445	-45.6510		-22.1985	-34.2758
	0.2010	0.0207	MASS	MASS	0.0825	1.5001	0.2010	MASS		0.0633	0.2010
LI9	NE 17	NE 18	NA 18	NA 19	NA 20	MG 20	MG 21	AL 23		AL 24	S 29
	16.5100	5.3193	UNKNOWN	UNKNOWN	6.9800	16.4000	10.9000	UNKNOWN		-0.0700	-2.9000
	-26.4937	-19.8964	-13.6492	-9.1139	-5.0049	-7.8662	-16.0266	-0.7006		3.1418	-3.5421
	0.0027	0.0053	0.0026	0.0030	0.0026	0.0037	0.0032	0.0034		0.0033	0.0029
BE7	F 19	F 20	NE 20	NE 21	NE 22	NA 22	NA 23	MG 25		MG 26	P 31
	-1.4860	-0.0119	-7.0415	-5.7299	-8.0249	-5.1822	-9.5283	-13.1907		-16.2142	-24.4376
	-25.5132	-16.3623	-21.5916	-12.1774	-1.5699	-15.6100	-18.9515	-4.0005		5.2793	-6.6163
	0.0025	0.0026	0.0053	0.0029	0.0025	0.0800	0.0084	0.0040		0.0032	0.0065
BE9	F 17	F 18	NE 18	NE 19	NE 20	NA 20	NA 21	MG 23		MG 24	P 29
	1.9519	0.8724	5.3193	1.7520	-7.0415	6.9800	-2.1850	-5.4724		-13.9333	-16.9450
	-35.5038	-18.6983	-34.0388	-17.0012	-11.6199			-29.3730	-10.3494	-4.4381	-17.6978
	0.0401	0.0032	0.2000	0.0057	0.0036	MASS	0.0801	0.0501		0.0044	0.0601
BE10	F 16	F 17	NE 17	NE 18	NE 19	NA 19	NA 20	MG 22		MG 23	P 28
	10.6860	1.9519	16.5100	5.3193	1.7520	UNKNOWN	6.9800	-0.3800		-5.4724	-7.1200
	-34.3515	-30.3952	-26.3589	-21.9861	-20.1379	-14.4727	-24.6842	-12.6271		-10.8706	-10.6945
	0.0028	0.0040	0.0029	0.0054	0.0075	0.0031	0.0028	0.0044		0.0095	0.0046
B8	O 18	O 19	F 19	F 20	F 21	NE 21	NE 22	NA 24		NA 25	SI 30
	-0.7824	3.3327	-1.4860	-0.0119	-0.0460	-5.7299	-8.0249	-8.4184		-9.3560	-24.4394
	-19.5264	-15.3839	-18.9259	-11.9995	-7.8271	-11.0837	-14.7967	-4.9924		0.1726	-2.7731
	0.0024	0.0025	0.0024	0.0025	0.0025	0.0029	0.0024	0.0037		0.0032	0.0037
B10	O 16	O 17	F 17	F 18	F 19	NE 19	NE 20	NA 22		NA 23	SI 28
	-4.7365	-0.8077	1.9519	0.8724	-1.4860	1.7520	-7.0415	-5.1822		-9.5283	-21.4899
	-23.7384	-8.0705	-24.2755	-9.6945	-6.8009	-11.2664	-20.2057	-4.6051		-0.7890	-8.4925
	0.0026	0.0023	0.0401	0.0024	0.0025	0.0052	0.0028	0.0084		0.0037	0.0035
B11	O 15	O 16	F 16	F 17	F 18	NE 18	NE 19	NA 21		NA 22	SI 27
	2.8599	-4.7365	10.6860	1.9519	0.8724	5.3193	1.7520	-2.1850		-5.1822	-12.3860

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13 AL 27

MASS EXCESS -17.1961 +/- 0.0018 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.7307	11.5828	17.8334	22.1932	17.9322	9.6662	23.4749	27.6447	16.6072
		0.0041	0.0033	0.0041	0.0041	0.0072	0.0023	0.0035	0.0034	0.0032
GAMMA	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39
		-16.8554	-21.4899	-21.8936	-24.4394	-20.1970	-24.4376	-26.5826	-29.9335	-33.8033
		-13.0567	-5.5925	9.3583	11.5760	6.6088	-2.6458	14.8336	16.2224	3.5185
		0.0029	0.0032	0.0033	0.0041	0.0063	0.0072	0.0023	0.0035	0.0102
N	AL 26	AL 27	SI 27	SI 28	SI 29	P 29	P 30	S 32	S 33	K 38
		-12.2108	-12.3860	-21.4899	-21.8936	-16.9450	-20.1970	-26.0127	-26.5826	-28.7860
		-8.2709	-1.8311	5.5062	8.6829	12.3398	2.3791	13.9060	16.7568	10.2331
		0.0025	0.0042	0.0041	0.0063	0.0041	0.0041	0.0030	0.0040	0.0031
P	MG 26	MG 27	AL 27	AL 28	AL 29	SI 29	SI 30	P 32	P 33	AR 38
		-16.2142	-14.5826	-16.8554	-18.2180	-21.8936	-24.4394	-24.3027	-26.3346	-34.7182
		-17.1413	-6.0464	-10.8322	1.4733	6.0892	-6.0137	8.1940	8.8780	0.6189
		0.0026	0.0026	0.0029	0.0041	0.0033	0.0041	0.0025	0.0030	0.0022
D	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32	AR 37
		-13.1907	-16.2142	-12.2108	-16.8554	-21.4899	-21.8936	-24.4376	-24.3027	-30.9509
		-18.2127	-10.8839	-15.9261	-6.7993	-4.8287	-8.2314	2.1394	7.1988	-1.9144
		0.0025	0.0026	0.0063	0.0029	0.0032	0.0034	0.0073	0.0025	0.0029
T	MG 24	MG 25	AL 25	AL 26	AL 27	SI 27	SI 28	P 30	P 31	AR 36
		-13.9333	-13.1907	-8.9310	-12.2108	-12.3860	-21.4899	-20.1970	-24.4376	-30.2316
		-23.7090	-14.7000	-11.6477	-2.7773	-2.5949	-12.8473	6.4004	5.7419	-2.6078
		0.0037	0.0092	0.0026	0.0026	0.0042	0.0041	0.0043	0.0054	0.0045
HE3	NA 24	NA 25	MG 25	MG 26	MG 27	AL 27	AL 28	SI 30	SI 31	CL 36
		-8.4184	-9.3560	-13.1907	-16.2142	-14.5826	-16.8554	-24.4394	-22.9620	-29.5196
		-10.0925	-3.1310	1.6014	6.7058	11.5433	7.5213	16.3612	19.7258	9.3937
		0.0026	0.0037	0.0025	0.0026	0.0026	0.0030	0.0043	0.0043	0.0022
HE4	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35
		-9.5283	-8.4184	-13.9333	-13.1907	-16.2142	-12.2108	-21.8936	-24.4394	-29.0145
		-32.6093	-21.5407	-27.1253	-16.1860	-5.9111	-19.7930	-23.4385	-8.3199	1.6029
		0.0091	0.0052	0.0502	0.0053	0.0047	0.0602	0.0074	0.0052	0.0053
HE6	NA 21	NA 22	MG 22	MG 23	MG 24	AL 24	AL 25	SI 27	SI 28	CL 33
		-2.1850	-5.1822	-0.3800	-5.4724	-13.9333	-0.0700	-8.9310	-12.3860	-21.4899
		-25.5546	-15.1882	-18.8133	-8.6203	-7.9161	-2.4199	-15.6690	0.4782	-4.7019
		0.0026	0.0022	0.0034	0.0028	0.0038	0.0027	0.0029	0.0044	0.0035
LI6	NE 21	NE 22	NA 22	NA 23	NA 24	MG 24	MG 25	AL 27	AL 28	S 33
		-5.7299	-8.0249	-5.1822	-9.5283	-8.4184	-13.9333	-13.1907	-16.8554	-26.5826

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-25.0619	-18.3021	-22.6294	-13.7853	-7.6251	-11.6997	-15.7453	-5.8042		-6.0907
	0.0022	0.0026	0.0083	0.0034	0.0028	0.0036	0.0027	0.0033		0.0023
LI7	NE 20	NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32
	-7.0415	-5.7299	-2.1850	-5.1822	-9.5283	-5.4724	-13.9333	-12.2108		-26.0127
	-39.8943	-23.0294	-37.8333	-22.8214	-18.0101	-22.8310	-30.2451	-15.1229	-11.0242	-19.1503
	0.0028	0.0024	0.0800	0.0083	0.0036	0.0501	0.0037	0.0065	0.0035	0.0112
LI8	NE 19	NE 20	NA 20	NA 21	NA 22	MG 22	MG 23	AL 25	AL 26	S 31
	1.7520	-7.0415	6.9800	-2.1850	-5.1822	-0.3800	-5.4724	-8.9310	-12.2108	-18.9920
	-47.4804	-35.8417		-36.0052	-25.0261	-38.1298	-39.3563	-28.0027	-18.3228	-28.2041
	0.0206	0.0201	MASS	0.0825	0.0216	0.2010	0.0539	0.0633	0.0210	0.0321
LI9	NE 18	NE 19	NA 19	NA 20	NA 21	MG 21	MG 22	AL 24	AL 25	S 30
	5.3193	1.7520	UNKNOWN	6.9800	-2.1850	10.9000	-0.3800	-0.0700	-8.9310	-13.9570
	-32.9531	-24.8476	-19.9461	-11.8042	-12.8667	-8.5054	-22.1218	-2.6624	-3.4751	-8.6623
	0.0052	0.0073	0.0026	0.0022	0.0040	0.0028	0.0039	0.0030	0.0045	0.0030
BE7	F 20	F 21	NE 21	NE 22	NE 23	NA 23	NA 24	MG 26	MG 27	P 32
	-0.0119	-0.0460	-5.7299	-8.0249	-5.1483	-9.5283	-8.4184	-16.2142	-14.5826	-24.3027
	-29.4190	-18.9892	-23.0096	-8.3692	-7.8668	-11.4303	-20.9396	-0.5249	-0.4486	-8.3496
	0.0022	0.0022	0.0026	0.0021	0.0025	0.0083	0.0034	0.0029	0.0030	0.0073
BE9	F 18	F 19	NE 19	NE 20	NE 21	NA 21	NA 22	MG 24	MG 25	P 30
	0.8724	-1.4860	1.7520	-7.0415	-5.7299	-2.1850	-5.1822	-13.9333	-13.1907	-20.1970
	-31.7550	-22.6041	-27.8334	-18.4192	-7.8117	-21.8518	-25.1933	-10.2423	-0.9625	-12.8581
	0.0029	0.0030	0.0055	0.0033	0.0029	0.0801	0.0085	0.0042	0.0035	0.0066
BE10	F 17	F 18	NE 18	NE 19	NE 20	NA 20	NA 21	MG 23	MG 24	P 29
	1.9519	0.8724	5.3193	1.7520	-7.0415	6.9800	-2.1850	-5.4724	-13.9333	-16.9450
	-43.4519	-35.8468	-32.8183	-26.9373	-29.6693	-17.1630	-32.5461	-16.6748	-17.5219	-17.1572
	0.0037	0.0083	0.0053	0.0074	0.6000	0.0024	0.0041	0.0094	0.3000	0.0055
B8	O 19	O 20	F 20	F 21	F 22	NE 22	NE 23	NA 25	NA 26	SI 31
	3.3327	3.7990	-0.0119	-0.0460	4.5000	-8.0249	-5.1483	-9.3560	-7.6900	-22.9620
	-28.4406	-20.3944	-22.8317	-14.6264	-14.2864	-7.2755	-21.0936	-5.6316	-5.9226	-7.3547
	0.0021	0.0019	0.0020	0.0020	0.0051	0.0019	0.0024	0.0029	0.0039	0.0041
B10	O 17	O 18	F 18	F 19	F 20	NE 20	NE 21	NA 23	NA 24	SI 29
	-0.8077	-0.7824	0.8724	-1.4860	-0.0119	-7.0415	-5.7299	-9.5283	-8.4184	-21.8936
	-21.1272	-16.9846	-20.5267	-13.6003	-9.4278	-12.6844	-16.3975	-6.5932	-1.4282	-4.3739
	0.0018	0.0020	0.0019	0.0020	0.0020	0.0024	0.0019	0.0034	0.0029	0.0033
B11	O 16	O 17	F 17	F 18	F 19	NE 19	NE 20	NA 22	NA 23	SI 28
	-4.7365	-0.8077	1.9519	0.8724	-1.4860	1.7520	-7.0415	-5.1822	-9.5283	-21.4899

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-34.2122	-23.1436	-26.7282	-17.7889	-7.5140	-21.3959	-25.0414	-9.9228		-15.3832
	0.0085	0.0040	0.0501	0.0042	0.0035	0.0601	0.0067	0.0041		0.0124
LI7	NA 21	NA 22	MG 22	MG 23	MG 24	AL 24	AL 25	SI 27	SI 28	CL 33
	-2.1850	-5.1822	-0.3800	-5.4724	-13.9333	-0.0700	-8.9310	-12.3860		-21.0140
	-49.4161	-32.1797	-46.0471	-28.9202	-22.0137		-39.9413	-21.2157	-15.1428	-29.6261
	0.0801	0.0086	0.2000	0.0501	0.0043	MASS	0.0601	0.0134	0.0042	0.3800
LI8	NA 20	NA 21	MG 21	MG 22	MG 23	AL 23	AL 24	SI 26	SI 27	CL 32
	6.9800	-2.1850	10.9000	-0.3800	-5.4724	UNKNOWN	-0.0700	-7.1320	-12.3860	-12.8100
		-45.3635	-55.5659	-44.2190	-31.1249			-36.3665	-24.4156	
	MASS	0.0825	1.5001	0.2010	0.0539	MASS	MASS	0.2010	0.0240	MASS
LI9	NA 19	NA 20	MG 20	MG 21	MG 22	AL 22	AL 23	SI 25	SI 26	CL 31
	UNKNOWN	6.9800	16.4000	10.9000	-0.3800	UNKNOWN	UNKNOWN	4.0000	-7.1320	UNKNOWN
	-31.5289	-21.1625	-24.7876	-14.5946	-13.8905	-8.3942	-21.6433	-5.9743	-5.4961	-10.6762
	0.0034	0.0031	0.0040	0.0036	0.0044	0.0035	0.0036	0.0037	0.0049	0.0041
BE7	NE 21	NE 22	NA 22	NA 23	NA 24	MG 24	MG 25	AL 27	AL 28	S 33
	-5.7299	-8.0249	-5.1822	-9.5283	-8.4184	-13.9333	-13.1907	-17.1961	-16.8554	-26.5826
	-34.5924	-17.7275	-32.5314	-17.5195	-12.7082	-17.5291	-24.9432	-9.8210	-5.7223	-13.8484
	0.0033	0.0030	0.0801	0.0085	0.0040	0.0501	0.0041	0.0068	0.0039	0.0114
BE9	NE 19	NE 20	NA 20	NA 21	NA 22	MG 22	MG 23	AL 25	AL 26	S 31
	1.7520	-7.0415	6.9800	-2.1850	-5.1822	-0.3800	-5.4724	-8.9310	-12.2108	-18.9920
	-39.4162	-27.7775		-27.9410	-16.9619	-30.0656	-31.2921	-19.9385	-10.2586	-20.1399
	0.0059	0.0039	MASS	0.0801	0.0088	0.2000	0.0501	0.0601	0.0071	0.0253
BE10	NE 18	NE 19	NA 19	NA 20	NA 21	MG 21	MG 22	AL 24	AL 25	S 30
	5.3193	1.7520	UNKNOWN	6.9800	-2.1850	10.9000	-0.3800	-0.0700	-8.9310	-13.9570
	-44.4011	-36.2956	-31.3941	-23.2522	-24.3147	-19.9534	-33.5698	-14.1104	-14.9231	-20.1103
	0.0057	0.0077	0.0035	0.0032	0.0047	0.0037	0.0045	0.0038	0.0051	0.0038
B8	F 20	F 21	NE 21	NE 22	NE 23	NA 23	NA 24	MG 26	MG 27	P 32
	-0.0119	-0.0460	-5.7299	-8.0249	-5.1483	-9.5283	-8.4184	-16.2142	-14.5826	-24.3027
	-34.4145	-23.9847	-28.0051	-13.3647	-12.8622	-16.4258	-25.9351	-5.5204	-5.4441	-13.3451
	0.0030	0.0030	0.0033	0.0029	0.0032	0.0085	0.0039	0.0035	0.0036	0.0076
B10	F 18	F 19	NE 19	NE 20	NE 21	NA 21	NA 22	MG 24	MG 25	P 30
	0.8724	-1.4860	1.7520	-7.0415	-5.7299	-2.1850	-5.1822	-13.9333	-13.1907	-20.1970
	-32.1095	-22.9585	-28.1879	-18.7737	-8.1661	-22.2062	-25.5478	-10.5968	-1.3170	-13.2126
	0.0029	0.0029	0.0055	0.0032	0.0029	0.0800	0.0085	0.0042	0.0035	0.0066
B11	F 17	F 18	NE 18	NE 19	NE 20	NA 20	NA 21	MG 23	MG 24	P 29
	1.9519	0.8724	5.3193	1.7520	-7.0415	6.9800	-2.1850	-5.4724	-13.9333	-16.9450

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14 SI 28

14 SI 29

MASS EXCESS -21.8936 +/- 0.0037 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
		10.6172	5.5924	15.6799	17.3591	19.0504	7.1138	21.2093	22.5333	13.2314
		0.0052	0.0079	0.0040	0.0043	0.0038	0.0047	0.0040	0.0056	0.0054
GAMMA	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41
		-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.0145	-29.5196	-35.1250
		-8.4751	-5.7311	3.3679	9.4225	3.9583	-1.5276	8.5744	13.9568	4.8826
		0.0046	0.0071	0.0079	0.0040	0.0116	0.0038	0.0071	0.0040	0.0049
N	SI 28	SI 29	P 29	P 30	P 31	S 31	S 32	CL 34	CL 35	CA 40
		-21.4899	-16.9450	-20.1970	-24.4376	-18.9920	-26.0127	-24.4510	-29.0145	-34.8476
		-12.3272	-2.8932	8.3927	8.7294	10.1863	-2.4551	14.8393	14.5718	4.3507
		0.0052	0.0071	0.0052	0.0062	0.0040	0.0043	0.0047	0.0040	0.0039
P	AL 28	AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35	K 40
		-16.8554	-18.2180	-24.4394	-22.9620	-24.4376	-24.3027	-29.9335	-28.8471	-33.5333
		-17.8334	-10.1027	-6.2506	4.3598	0.0988	-8.1672	5.6415	9.8113	-1.2262
		0.0041	0.0052	0.0046	0.0052	0.0079	0.0040	0.0048	0.0047	0.0045
D	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39
		-17.1961	-16.8554	-21.4899	-24.4394	-20.1970	-24.4376	-26.5826	-29.9335	-33.8033
		-24.6327	-11.5760	-17.1686	-2.2177	-4.9672	-14.2218	3.2576	4.6464	-8.0575
		0.0044	0.0041	0.0045	0.0046	0.0071	0.0079	0.0040	0.0048	0.0107
T	AL 26	AL 27	SI 27	SI 28	SI 29	P 29	P 30	S 32	S 33	K 38
		-12.2108	-17.1961	-12.3860	-21.4899	-16.9450	-20.1970	-26.0127	-26.5826	-28.7860
		-20.6107	-14.1709	-12.3398	-6.8336	-3.6570	-9.9608	1.5662	4.4170	-2.1067
		0.0041	0.0053	0.0041	0.0052	0.0071	0.0053	0.0044	0.0051	0.0045
HE3	MG 26	MG 27	AL 27	AL 28	AL 29	SI 29	SI 30	P 32	P 33	AR 38
		-16.2142	-14.5826	-17.1961	-16.8554	-18.2180	-24.4394	-24.3027	-26.3346	-34.7182
		-11.1276	-0.0327	-4.8186	6.0137	7.4870	12.1029	14.2076	14.8917	6.6326
		0.0042	0.0041	0.0044	0.0041	0.0053	0.0047	0.0041	0.0044	0.0039
HE4	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32	AR 37
		-13.1907	-16.2142	-12.2108	-17.1961	-16.8554	-21.4899	-24.4376	-24.3027	-30.9509
		-34.0194	-17.4871	-32.1328	-17.4249	-12.3311	-17.4285	-24.6810	-8.4584	-4.3875
		0.0062	0.0057	0.0602	0.0081	0.0059	0.0141	0.0060	0.0082	0.0169
HE6	MG 23	MG 24	AL 24	AL 25	AL 26	SI 26	SI 27	P 29	P 30	AR 35
		-5.4724	-13.9333	-0.0700	-8.9310	-12.2108	-7.1320	-12.3860	-16.9450	-20.1970
		-26.4537	-19.4922	-14.7597	-9.6554	-4.8178	-8.8399	-16.3611	3.3647	-6.9675
		0.0043	0.0050	0.0042	0.0043	0.0043	0.0045	0.0043	0.0055	0.0040
LI6	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35
		-9.5283	-8.4184	-13.9333	-13.1907	-16.2142	-12.2108	-17.1961	-24.4394	-29.0145

14 SI 29

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-21.6187	-19.2012	-24.0395	-9.7317	-8.6602	-12.9386	-22.1653	-1.2226		-12.3499
	0.0047	0.0043	0.0048	0.0042	0.0043	0.0071	0.0045	0.0049		0.0071
LI7	NA 22	NA 23	MG 23	MG 24	MG 25	AL 25	AL 26	SI 28	SI 29	CL 34
	-5.1822	-9.5283	-5.4724	-13.9333	-13.1907	-8.9310	-12.2108	-21.4899		-24.4510
	-40.6548	-29.5862	-35.1708	-24.2315	-13.9565	-27.8385	-31.4840	-16.3654	-6.4426	-21.8258
	0.0089	0.0048	0.0502	0.0049	0.0043	0.0601	0.0072	0.0049	0.0050	0.0126
LI8	NA 21	NA 22	MG 22	MG 23	MG 24	AL 24	AL 25	SI 27	SI 28	CL 33
	-2.1850	-5.1822	-0.3800	-5.4724	-13.9333	-0.0700	-8.9310	-12.3860	-21.4899	-21.0140
	-53.8386	-36.6022	-50.4696	-33.3427	-26.4362		-44.3638	-25.6382	-19.5653	-34.0486
	0.0825	0.0219	0.2010	0.0540	0.0205	MASS	0.0634	0.0242	0.0205	0.3805
LI9	NA 20	NA 21	MG 21	MG 22	MG 23	AL 23	AL 24	SI 26	SI 27	CL 32
	6.9800	-2.1850	10.9000	-0.3800	-5.4724	UNKNOWN	-0.0700	-7.1320	-12.3860	-12.8100
	-29.6376	-24.4428	-20.8452	-16.1082	-13.3565	-9.5405	-19.0235	-6.7187	-4.5372	-7.7290
	0.0039	0.0051	0.0043	0.0050	0.0098	0.0043	0.0043	0.0055	0.0072	0.0047
BE7	NE 22	NE 23	NA 23	NA 24	NA 25	MG 25	MG 26	AL 28	AL 29	S 34
	-8.0249	-5.1483	-9.5283	-8.4184	-9.3560	-13.1907	-16.2142	-16.8554	-18.2180	-29.9335
	-26.2026	-19.4428	-23.7701	-14.9260	-8.7658	-12.8404	-16.8860	-6.9449	-1.1407	-7.2314
	0.0038	0.0041	0.0089	0.0047	0.0043	0.0048	0.0042	0.0046	0.0044	0.0039
BE9	NE 20	NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32
	-7.0415	-5.7299	-2.1850	-5.1822	-9.5283	-5.4724	-13.9333	-12.2108	-17.1961	-26.0127
	-36.2526	-19.3877	-34.1916	-19.1797	-14.3684	-19.1893	-26.6034	-11.4812	-7.3825	-15.5086
	0.0046	0.0043	0.0801	0.0091	0.0051	0.0502	0.0052	0.0075	0.0050	0.0118
BE10	NE 19	NE 20	NA 20	NA 21	NA 22	MG 22	MG 23	AL 25	AL 26	S 31
	1.7520	-7.0415	6.9800	-2.1850	-5.1822	-0.3800	-5.4724	-8.9310	-12.2108	-18.9920
	-44.7707	-41.2453	-29.5028	-26.5325	-23.9177	-21.4670	-33.0359	-16.1457	-14.8894	-18.4821
	0.0081	0.6000	0.0040	0.0052	0.0108	0.0051	0.0099	0.0056	0.0073	0.0052
B8	F 21	F 22	NE 22	NE 23	NE 24	NA 24	NA 25	MG 27	MG 28	P 33
	-0.0460	4.5000	-8.0249	-5.1483	-5.9490	-8.4184	-9.3560	-14.5826	-15.0200	-26.3346
	-32.4598	-25.8625	-19.6153	-15.0800	-10.9709	-13.8323	-21.9927	-6.6667	-2.8243	-9.5082
	0.0038	0.0060	0.0038	0.0040	0.0038	0.0046	0.0042	0.0043	0.0043	0.0040
B10	F 19	F 20	NE 20	NE 21	NE 22	NA 22	NA 23	MG 25	MG 26	P 31
	-1.4860	-0.0119	-7.0415	-5.7299	-8.0249	-5.1822	-9.5283	-13.1907	-16.2142	-24.4376
	-31.4337	-21.0038	-25.0243	-10.3839	-9.8814	-13.4449	-22.9543	-2.5396	-2.4633	-10.3643
	0.0038	0.0038	0.0040	0.0037	0.0040	0.0088	0.0046	0.0042	0.0043	0.0079
B11	F 18	F 19	NE 19	NE 20	NE 21	NA 21	NA 22	MG 24	MG 25	P 30
	0.8724	-1.4860	1.7520	-7.0415	-5.7299	-2.1850	-5.1822	-13.9333	-13.1907	-20.1970

14 SI 30

MASS EXCESS -24.4394 +/- 0.0037 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING		6.5940	7.2872	12.9992	16.8451	17.0745	7.9189	19.1686	22.2327	14.1003
GAMMA	SI 30	0.0062	0.0040	0.0043	0.0050	0.0046	0.0046	0.0056	0.0040	0.0051
	SI 31	P 31	P 32	P 33	S 33	S 34	CL 36	CL 37	CA 42	
		-22.9620	-24.4376	-24.3027	-26.3346	-26.5826	-29.9335	-29.5196	-31.7648	-38.5397
N		-10.6172	-5.0248	5.0627	6.7418	8.4332	-3.5035	10.5921	11.9161	2.6142
		0.0052	0.0079	0.0040	0.0043	0.0038	0.0047	0.0040	0.0056	0.0054
	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41
		-21.8936	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.0145	-29.5196	-35.1250
P		-13.5104	-6.5069	4.3695	7.3116	7.5057	-2.9690	11.2071	13.8339	3.8240
		0.0070	0.2500	0.0062	0.0079	0.0043	0.0050	0.0040	0.0089	0.0051
	AL 29	AL 30	SI 30	SI 31	SI 32	P 32	P 33	S 35	S 36	K 41
		-18.2180	-17.1500	-22.9620	-24.0900	-24.3027	-26.3346	-28.8471	-30.6550	-35.5524
D		-20.7199	-11.2859	-8.3927	0.3366	1.7936	-10.8479	6.4466	6.1791	-4.0420
		0.0052	0.0071	0.0052	0.0062	0.0040	0.0043	0.0047	0.0040	0.0039
	AL 28	AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35	K 40
		-16.8554	-18.2180	-21.8936	-22.9620	-24.4376	-24.3027	-29.9335	-28.8471	-33.5333
T		-22.1932	-14.4625	-10.6105	-4.3598	-4.2610	-12.5270	1.2817	5.4515	-5.5861
		0.0041	0.0052	0.0046	0.0052	0.0079	0.0040	0.0048	0.0047	0.0045
	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39
		-17.1961	-16.8554	-21.4899	-21.8936	-20.1970	-24.4376	-26.5826	-29.9335	-33.8033
HE3		-24.7881	-16.2793	-15.2263	-8.0168	-7.2708	-13.9840	1.0523	0.3666	-6.1327
		0.0053	0.0071	0.0052	0.0071	0.2500	0.0062	0.0051	0.2000	0.0071
	MG 27	MG 28	AL 28	AL 29	AL 30	SI 30	SI 31	P 33	P 34	AR 39
		-14.5826	-15.0200	-16.8554	-18.2180	-17.1500	-22.9620	-26.3346	-24.8300	-33.2380
HE4		-10.6499	-4.2101	-2.3791	3.1272	6.3038	9.9608	11.5270	14.3778	7.8541
		0.0041	0.0053	0.0041	0.0052	0.0071	0.0053	0.0044	0.0052	0.0045
	MG 26	MG 27	AL 27	AL 28	AL 29	SI 29	SI 30	P 32	P 33	AR 38
		-16.2142	-14.5826	-17.1961	-16.8554	-18.2180	-21.8936	-24.3027	-26.3346	-34.7182
HE6		-28.1043	-20.7755	-25.8176	-16.6909	-9.8916	-14.7203	-18.1229	-7.7522	-2.6927
		0.0057	0.0058	0.0081	0.0059	0.0057	0.0060	0.0061	0.0089	0.0057
	MG 24	MG 25	AL 25	AL 26	AL 27	SI 27	SI 28	P 30	P 31	AR 36
		-13.9333	-13.1907	-8.9310	-12.2108	-17.1961	-12.3860	-21.4899	-20.1970	-24.4376
LI6		-30.1094	-21.1004	-18.0481	-9.1777	-8.9952	-6.4004	-19.2476	-0.6585	-9.0082
		0.0050	0.0098	0.0043	0.0043	0.0054	0.0043	0.0054	0.0064	0.0056
	NA 24	NA 25	MG 25	MG 26	MG 27	AL 27	AL 28	SI 30	SI 31	CL 36
		-8.4184	-9.3560	-13.1907	-16.2142	-14.5826	-17.1961	-16.8554	-22.9620	-29.5196

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
	-29.8184	-22.8569	-18.1244	-13.0201	-8.1825	-12.2046	-19.7258	-3.3647		-10.3322
	0.0043	0.0050	0.0042	0.0043	0.0043	0.0045	0.0043	0.0055		0.0040
LI7	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35
	-9.5283	-8.4184	-13.9333	-13.1907	-16.2142	-12.2108	-17.1961	-21.8936		-29.0145
	-40.2034	-27.7859	-32.6242	-18.3164	-17.2449	-21.5233	-30.7500	-9.8073	-8.5847	-20.9346
	0.0048	0.0044	0.0049	0.0043	0.0044	0.0072	0.0046	0.0050	0.0056	0.0072
LI8	NA 22	NA 23	MG 23	MG 24	MG 25	AL 25	AL 26	SI 28	SI 29	CL 34
	-5.1822	-9.5283	-5.4724	-13.9333	-13.1907	-8.9310	-12.2108	-21.4899	-21.8936	-24.4510
	-47.2194	-36.1508	-41.7354	-30.7961	-20.5211	-34.4031	-38.0486	-22.9300	-13.0072	-28.3904
	0.0219	0.0205	0.0540	0.0205	0.0204	0.0634	0.0212	0.0205	0.0206	0.0236
LI9	NA 21	NA 22	MG 22	MG 23	MG 24	AL 24	AL 25	SI 27	SI 28	CL 33
	-2.1850	-5.1822	-0.3800	-5.4724	-13.9333	-0.0700	-8.9310	-12.3860	-21.4899	-21.0140
	-35.0600	-26.1879	-24.5009	-17.7164	-17.5683	-9.0628	-23.2009	-7.9019	-8.1510	-11.3612
	0.0051	0.0107	0.0050	0.0098	0.3000	0.0043	0.0054	0.0072	0.2500	0.0040
BE7	NE 23	NE 24	NA 24	NA 25	NA 26	MG 26	MG 27	AL 29	AL 30	S 35
	-5.1483	-5.9490	-8.4184	-9.3560	-7.6900	-16.2142	-14.5826	-18.2180	-17.1500	-28.8471
	-30.0600	-19.6936	-23.3187	-13.1257	-12.4215	-6.9253	-20.1744	-4.5054	-4.0272	-9.2073
	0.0041	0.0039	0.0047	0.0043	0.0050	0.0042	0.0043	0.0044	0.0054	0.0047
BE9	NE 21	NE 22	NA 22	NA 23	NA 24	MG 24	MG 25	AL 27	AL 28	S 33
	-5.7299	-8.0249	-5.1822	-9.5283	-8.4184	-13.9333	-13.1907	-17.1961	-16.8554	-26.5826
	-30.0049	-23.2451	-27.5724	-18.7283	-12.5681	-16.6427	-20.6883	-10.7472	-4.5430	-11.0337
	0.0043	0.0046	0.0091	0.0051	0.0047	0.0052	0.0046	0.0050	0.0048	0.0044
BE10	NE 20	NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32
	-7.0415	-5.7299	-2.1850	-5.1822	-9.5283	-5.4724	-13.9333	-12.2108	-17.1961	-26.0127
	-51.8625		-34.9252	-28.2776		-23.0752	-37.2477	-18.2541		-22.5325
	0.6000	MASS	0.0052	0.0108	MASS	0.0098	0.3000	0.0073	MASS	0.2000
BB	F 22	F 23	NE 23	NE 24	NE 25	NA 25	NA 26	MG 28	MG 29	P 34
	4.5000	UNKNOWN	-5.1483	-5.9490	UNKNOWN	-9.3560	-7.6900	-15.0200	UNKNOWN	-24.8300
	-36.4797	-28.3742	-23.4727	-15.3308	-16.3933	-12.0320	-25.6484	-6.1890	-7.0017	-12.1889
	0.0060	0.0079	0.0040	0.0038	0.0051	0.0042	0.0049	0.0043	0.0054	0.0043
B10	F 20	F 21	NE 21	NE 22	NE 23	NA 23	NA 24	MG 26	MG 27	P 32
	-0.0119	-0.0460	-5.7299	-8.0249	-5.1483	-9.5283	-8.4184	-16.2142	-14.5826	-24.3027
	-31.6211	-25.0237	-18.7766	-14.2413	-10.1322	-12.9935	-21.1540	-5.8280	-1.9856	-8.6695
	0.0038	0.0060	0.0037	0.0040	0.0038	0.0046	0.0042	0.0043	0.0043	0.0040
B11	F 19	F 20	NE 20	NE 21	NE 22	NA 22	NA 23	MG 25	MG 26	P 31
	-1.4860	-0.0119	-7.0415	-5.7299	-8.0249	-5.1822	-9.5283	-13.1907	-16.2142	-24.4376

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MASS EXCESS -24.4376 +/- 0.0014 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			7.9365	8.8641	15.2809	20.4459	14.9447	7.0017	20.6017	25.1879	11.7364
			0.0025	0.0017	0.0031	0.0030	0.0062	0.0019	0.0022	0.0031	0.0081
GAMMA	P 31		P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
			-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-29.0145	-30.9509	-34.7182	-36.1740
		-12.3120		-6.2280	6.6396	9.0235	3.4363	-5.6333	11.8110	13.3492	-0.4000
		0.0071		0.0111	0.0017	0.0031	0.0121	0.0062	0.0029	0.0022	0.0042
N	P 30		P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37	SC 42
		-20.1970		-18.9920	-26.0127	-26.5826	-21.0140	-24.4510	-30.2316	-30.9509	-32.1090
		-7.2872	-0.6932		5.7120	9.5580	9.7874	0.6317	11.8814	14.9455	6.8131
		0.0040	0.0052		0.0025	0.0037	0.0031	0.0031	0.0045	0.0021	0.0038
P	SI 30		SI 31	P 31	P 32	P 33	S 33	S 34	CL 36	CL 37	CA 42
		-24.4394	-22.9620		-24.3027	-26.3346	-26.5826	-29.9335	-29.5196	-31.7648	-38.5397
		-15.6799	-5.0627	-10.0875		1.6791	3.3705	-8.5662	5.5294	6.8534	-2.4485
		0.0040	0.0040	0.0071		0.0025	0.0017	0.0032	0.0022	0.0045	0.0042
D	SI 29		SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41
		-21.8936	-24.4394	-20.1970		-24.3027	-26.0127	-26.5826	-29.0145	-29.5196	-35.1250
		-17.8976	-9.4225	-15.1536	-6.0546		-5.4642	-10.9501	-0.8481	4.5343	-4.5399
		0.0031	0.0040	0.0062	0.0071		0.0111	0.0017	0.0063	0.0022	0.0035
T	SI 28		SI 29	P 29	P 30	P 31	S 31	S 32	CL 34	CL 35	CA 40
		-21.4899	-21.8936	-16.9450	-20.1970		-18.9920	-26.0127	-24.4510	-29.0145	-34.8476
		-22.5135	-13.0795	-10.1863	-1.7936	-1.4570		-12.6415	4.6530	4.3855	-5.8356
		0.0040	0.0062	0.0040	0.0040	0.0052		0.0026	0.0032	0.0022	0.0019
HE3	AL 28		AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35	K 40
		-16.8554	-18.2180	-21.8936	-24.4394	-22.9620		-24.3027	-29.9335	-28.8471	-33.5333
		-9.6662	-1.9355	1.9165	8.1672	12.5270	8.2660		13.8087	17.9785	6.9410
		0.0023	0.0040	0.0032	0.0040	0.0040	0.0072		0.0033	0.0033	0.0030
HE4	AL 27		AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39
		-17.1961	-16.8554	-21.4899	-21.8936	-24.4394	-20.1970		-26.5826	-29.9335	-33.8033
		-33.1048	-21.7536	-27.6148	-16.5139	-5.5959	-19.9845	-22.6660	-8.9554	-1.1158	-17.2362
		0.0073	0.0048	0.0137	0.0050	0.0051	0.0601	0.0074	0.0118	0.0045	0.0313
HE6	AL 25		AL 26	SI 26	SI 27	SI 28	P 28	P 29	S 31	S 32	K 37
		-8.9310	-12.2108	-7.1320	-12.3860	-21.4899	-7.1200	-16.9450	-18.9920	-26.0127	-24.7996
		-25.3353	-14.2404	-19.0262	-8.1940	-6.7206	-2.1048	-14.2076		0.6840	-7.5751
		0.0026	0.0025	0.0029	0.0025	0.0041	0.0033	0.0041		0.0030	0.0022
LI6	MG 25		MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32	AR 37
		-13.1907	-16.2142	-12.2108	-17.1961	-16.8554	-21.4899	-21.8936		-24.3027	-30.9509

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
	-25.4116	-18.0828	-23.1249	-13.9982	-7.1988	-12.0276	-15.4302	-5.0595		-9.1133
	0.0025	0.0026	0.0063	0.0029	0.0025	0.0032	0.0033	0.0073		0.0029
LI7	MG 24	MG 25	AL 25	AL 26	AL 27	SI 27	SI 28	P 30	P 31	AR 36
	-13.9333	-13.1907	-8.9310	-12.2108	-17.1961	-12.3860	-21.4899	-20.1970		-30.2316
	-39.9114	-23.3791	-38.0248	-23.3169	-18.2230	-23.3205	-30.5730	-14.3504	-10.2795	-22.3328
	0.0036	0.0027	0.0600	0.0063	0.0031	0.0132	0.0033	0.0064	0.0074	0.0161
LI8	MG 23	MG 24	AL 24	AL 25	AL 26	SI 26	SI 27	P 29	P 30	AR 35
	-5.4724	-13.9333	-0.0700	-8.9310	-12.2108	-7.1320	-12.3860	-16.9450	-20.1970	-23.0510
	-49.0226	-35.8588		-36.1967	-25.5216	-38.4713	-39.8458	-28.1942	-17.5503	-31.3526
	0.0539	0.0203	MASS	0.0633	0.0209	0.2010	0.0239	0.0633	0.0210	1.0002
LI9	MG 22	MG 23	AL 23	AL 24	AL 25	SI 25	SI 26	P 28	P 29	AR 34
	-0.3800	-5.4724	UNKDNW	-0.0700	-8.9310	4.0000	-7.1320	-7.1200	-16.9450	-18.0500
	-31.7881	-22.7791	-19.7268	-10.8564	-10.6739	-8.0791	-20.9263	-1.6787	-2.3372	-10.6869
	0.0037	0.0092	0.0026	0.0025	0.0042	0.0025	0.0041	0.0043	0.0054	0.0045
BE7	NA 24	NA 25	MG 25	MG 26	MG 27	AL 27	AL 28	SI 30	SI 31	CL 36
	-8.4184	-9.3560	-13.1907	-16.2142	-14.5826	-17.1961	-16.8554	-24.4394	-22.9620	-29.5196
	-30.6059	-18.1884	-23.0267	-8.7189	-7.6474	-11.9258	-21.1525	-0.2098	1.0128	-11.3371
	0.0032	0.0025	0.0033	0.0024	0.0025	0.0062	0.0029	0.0034	0.0042	0.0062
BE9	NA 22	NA 23	MG 23	MG 24	MG 25	AL 25	AL 26	SI 28	SI 29	CL 34
	-5.1822	-9.5283	-5.4724	-13.9333	-13.1907	-8.9310	-12.2108	-21.4899	-21.8936	-24.4510
	-34.8596	-23.7910	-29.3756	-18.4363	-8.1613	-22.0433	-25.6888	-10.5702	-0.6474	-16.0306
	0.0084	0.0038	0.0501	0.0039	0.0031	0.0601	0.0066	0.0038	0.0040	0.0123
BE10	NA 21	NA 22	MG 22	MG 23	MG 24	AL 24	AL 25	SI 27	SI 28	CL 33
	-2.1850	-5.1822	-0.3800	-5.4724	-13.9333	-0.0700	-8.9310	-12.3860	-21.4899	-21.0140
	-42.2124	-33.3403	-31.6533	-24.8688	-24.7207	-16.2152	-30.3533	-15.0543	-15.3034	-18.5136
	0.0040	0.0102	0.0038	0.0092	0.3000	0.0027	0.0043	0.0064	0.2500	0.0024
BB	NE 23	NE 24	NA 24	NA 25	NA 26	MG 26	MG 27	AL 29	AL 30	S 35
	-5.1483	-5.9490	-8.4184	-9.3560	-7.6900	-16.2142	-14.5826	-18.2180	-17.1500	-28.8471
	-30.7599	-20.3935	-24.0186	-13.8256	-13.1214	-7.6252	-20.8743	-5.2053	-4.7271	-9.9072
	0.0021	0.0016	0.0031	0.0024	0.0035	0.0023	0.0024	0.0026	0.0041	0.0032
B10	NE 21	NE 22	NA 22	NA 23	NA 24	MG 24	MG 25	AL 27	AL 28	S 33
	-5.7299	-8.0249	-5.1822	-9.5283	-8.4184	-13.9333	-13.1907	-17.1961	-16.8554	-26.5826
	-26.0638	-19.3039	-23.6313	-14.7872	-8.6270	-12.7015	-16.7472	-6.8061	-1.0019	-7.0926
	0.0015	0.0021	0.0081	0.0031	0.0024	0.0032	0.0023	0.0029	0.0025	0.0017
B11	NE 20	NE 21	NA 21	NA 22	NA 23	MG 23	MG 24	AL 26	AL 27	S 32
	-7.0415	-5.7299	-2.1850	-5.1822	-9.5283	-5.4724	-13.9333	-12.2108	-17.1961	-26.0127

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-31.9890	-20.6378	-26.4990	-15.3981	-4.4801	-18.8687	-21.5502	-7.8396		-16.1204
	0.0062	0.0027	0.0131	0.0030	0.0031	0.0600	0.0062	0.0111		0.0310
LI7	AL 25	AL 26	SI 26	SI 27	SI 28	P 28	P 29	S 31	S 32	K 37
	-8.9310	-12.2108	-7.1320	-12.3860	-21.4899	-7.1200	-16.9450	-18.9920		-24.7996
	-46.8889	-29.9565	-43.6699	-26.6910	-19.6229		-37.4141	-18.9135	-13.0596	-30.2289
	0.0600	0.0063	0.2000	0.0131	0.0031	MASS	0.0600	0.0251	0.0112	1.0000
LI8	AL 24	AL 25	SI 25	SI 26	SI 27	P 27	P 28	S 30	S 31	K 36
	-0.0700	-8.9310	4.0000	-7.1320	-12.3860	UNKNOWN	-7.1200	-13.9570	-18.9920	-16.7300
		-42.8363		-41.8418	-28.8957			-33.9893	-22.1134	
	MASS	0.0633	MASS	0.2010	0.0239	MASS	MASS	0.2010	0.0320	MASS
LI9	AL 23	AL 24	SI 24	SI 25	SI 26	P 26	P 27	S 29	S 30	K 35
	UNKNOWN	-0.0700	UNKNOWN	4.0000	-7.1320	UNKNOWN	UNKNOWN	-2.9000	-13.9570	UNKNOWN
	-28.5909	-17.4960	-22.2818	-11.4496	-9.9762	-5.3604	-17.4632	-3.2556	-2.5716	-10.8307
	0.0024	0.0023	0.0027	0.0023	0.0040	0.0031	0.0040	0.0023	0.0028	0.0019
BE7	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32	AR 37
	-13.1907	-16.2142	-12.2108	-17.1961	-16.8554	-21.4899	-21.8936	-24.4376	-24.3027	-30.9509
	-31.8908	-15.3585	-30.0042	-15.2963	-10.2024	-15.2999	-22.5524	-6.3298	-2.2589	-14.3122
	0.0032	0.0021	0.0600	0.0061	0.0026	0.0131	0.0029	0.0062	0.0072	0.0161
BE9	MG 23	MG 24	AL 24	AL 25	AL 26	SI 26	SI 27	P 29	P 30	AR 35
	-5.4724	-13.9333	-0.0700	-8.9310	-12.2108	-7.1320	-12.3860	-16.9450	-20.1970	-23.0510
	-38.2397	-25.0759		-25.4138	-14.7387	-27.6884	-29.0629	-17.4113	-6.7674	-20.5697
	0.0501	0.0038	MASS	0.0600	0.0065	0.2000	0.0132	0.0601	0.0065	1.0000
BE10	MG 22	MG 23	AL 23	AL 24	AL 25	SI 25	SI 26	P 28	P 29	AR 34
	-0.3800	-5.4724	UNKNOWN	-0.0700	-8.9310	4.0000	-7.1320	-7.1200	-16.9450	-18.0500
	-40.5174	-31.5084	-28.4561	-19.5857	-19.4032	-16.8084	-29.6556	-10.4080	-11.0665	-19.4162
	0.0036	0.0092	0.0026	0.0025	0.0042	0.0025	0.0041	0.0042	0.0054	0.0045
BB	NA 24	NA 25	MG 25	MG 26	MG 27	AL 27	AL 28	SI 30	SI 31	CL 36
	-8.4184	-9.3560	-13.1907	-16.2142	-14.5826	-17.1961	-16.8554	-24.4394	-22.9620	-29.5196
	-32.8827	-20.4652	-25.3035	-10.9957	-9.9242	-14.2026	-23.4293	-2.4866	-1.2640	-13.6139
	0.0029	0.0022	0.0031	0.0020	0.0022	0.0061	0.0025	0.0032	0.0040	0.0061
B10	NA 22	NA 23	MG 23	MG 24	MG 25	AL 25	AL 26	SI 28	SI 29	CL 34
	-5.1822	-9.5283	-5.4724	-13.9333	-13.1907	-8.9310	-12.2108	-21.4899	-21.8936	-24.4510
	-32.4954	-21.4267	-27.0114	-16.0721	-5.7971	-19.6790	-23.3246	-8.2060	1.7168	-13.6664
	0.0081	0.0029	0.0500	0.0031	0.0020	0.0600	0.0061	0.0030	0.0032	0.0120
B11	NA 21	NA 22	MG 22	MG 23	MG 24	AL 24	AL 25	SI 27	SI 28	CL 33
	-2.1850	-5.1822	-0.3800	-5.4724	-13.9333	-0.0700	-8.9310	-12.3860	-21.4899	-21.0140

16 S 33

MASS EXCESS -26.5826 +/- 0.0028 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2

OUTGOING										
		11.4223	5.1574	15.5678	17.8869	18.5803	6.7931	21.3091	21.8580	12.4194
GAMMA	S 33	0.0039	0.0066	0.0030	0.0050	0.0036	0.0031	0.0040	0.0032	0.0056
		S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45
		-29.9335	-24.4510	-29.0145	-29.5196	-30.2316	-30.9509	-33.8033	-33.5333	-39.0020
		-8.6413	-6.3511	2.9329	9.3104	3.3283	-1.9977	8.2204	14.0566	3.0040
		0.0029	0.0123	0.0066	0.0031	0.0162	0.0036	0.0104	0.0040	0.0123
N	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38	K 39	TI 44
		-26.0127	-21.0140	-24.4510	-29.0145	-23.0510	-30.2316	-28.7860	-33.8033	-37.6580
		-6.5689	0.5344	9.1978	9.9255	10.0742	-1.9272	14.9350	14.2737	3.9414
		0.0035	0.0044	0.0039	0.0031	0.0031	0.0050	0.0039	0.0067	0.0066
P	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44
		-24.3027	-26.3346	-29.9335	-28.8471	-29.0145	-29.5196	-34.7182	-33.2380	-37.8130
		-15.2809	-7.3444	-6.4168	5.1649	-0.3362	-8.2793	5.3208	9.9070	-3.5445
		0.0031	0.0035	0.0029	0.0039	0.0066	0.0031	0.0033	0.0039	0.0085
D	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
		-24.4376	-24.3027	-26.0127	-29.9335	-24.4510	-29.0145	-30.9509	-34.7182	-36.1740
		-21.3355	-9.0235	-15.2516	-2.3839	-5.5872	-14.6568	2.7875	4.3256	-9.4235
		0.0075	0.0031	0.0114	0.0030	0.0123	0.0066	0.0038	0.0033	0.0049
T	P 30	P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37	SC 42
		-20.1970	-24.4376	-18.9920	-26.0127	-21.0140	-24.4510	-30.2316	-30.9509	-32.1090
		-17.0745	-10.4805	-9.7873	-4.0753	-0.2294	-9.1557	2.0941	5.1582	-2.9742
		0.0046	0.0057	0.0031	0.0035	0.0044	0.0039	0.0051	0.0032	0.0045
HE3	SI 30	SI 31	P 31	P 32	P 33	S 33	S 34	CL 36	CL 37	CA 42
		-24.4394	-22.9620	-24.4376	-24.3027	-26.3346	-29.9335	-29.5196	-31.7648	-38.5397
		-7.1137	3.5035	-1.5214	8.5662	10.2453	11.9367	14.0955	15.4195	6.1177
		0.0047	0.0047	0.0075	0.0032	0.0035	0.0030	0.0033	0.0051	0.0049
HE4	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41
		-21.8936	-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-29.0145	-29.5196	-35.1250
		-31.7948	-14.6195	-29.7718	-14.0999	-9.0339	-15.2925	-22.7641	-9.0784	-4.8225
		0.0055	0.0056	0.0602	0.0077	0.0085	0.0255	0.0120	0.0078	0.0235
HE6	SI 27	SI 28	P 28	P 29	P 30	S 30	S 31	CL 33	CL 34	CA 39
		-12.3860	-21.4899	-7.1200	-16.9450	-20.1970	-13.9570	-18.9920	-21.0140	-24.4510
		-23.4749	-15.7442	-11.8921	-5.6415	-1.2817	-5.5427	-13.8086	4.1698	-6.8677
		0.0035	0.0048	0.0041	0.0048	0.0048	0.0076	0.0033	0.0042	0.0040
LI6	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39
		-17.1961	-16.8554	-21.4899	-21.8936	-24.4394	-20.1970	-24.4376	-29.9335	-33.8033

16 S 33

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
	-29.2791	-16.2224	-21.8149	-6.8641	-4.6464	-9.6136	-18.8681	-1.3888			-12.7039
	0.0038	0.0035	0.0040	0.0041	0.0048	0.0067	0.0076	0.0033			0.0104
LI7	AL 26	AL 27	SI 27	SI 28	SI 29	P 29	P 30	S 32		S 33	K 38
	-12.2108	-17.1561	-12.3860	-21.4899	-21.8936	-16.9450	-20.1970	-26.0127			-28.7860
	-38.5978	-27.2466	-33.1078	-22.0069	-11.0889	-25.4775	-28.1590	-14.4484	-6.6088	-22.7292	
	0.0068	0.0039	0.0134	0.0041	0.0042	0.0601	0.0068	0.0115	0.0035	0.0312	
LI8	AL 25	AL 26	SI 26	SI 27	SI 28	P 28	P 29	S 31	S 32	K 37	
	-8.9310	-12.2108	-7.1320	-12.3860	-21.4899	-7.1200	-16.9450	-18.9920	-26.0127	-24.7996	
	-51.4776	-34.5452	-48.2586	-31.2797	-24.2116		-42.0028	-23.5022	-17.6483	-34.8176	
	0.0633	0.0211	0.2010	0.0240	0.0204	MASS	0.0633	0.0322	0.0230	1.0002	
LI9	AL 24	AL 25	SI 25	SI 26	SI 27	P 27	P 28	S 30	S 31	K 36	
	-0.0700	-8.9310	4.0000	-7.1320	-12.3860	UNKNOWN	-7.1200	-13.9570	-18.9920	-16.7300	
	-26.1373	-19.6975	-17.8664	-12.3602	-9.1836	-5.5266	-15.4873	-3.9604	-1.1096	-7.6333	
	0.0035	0.0048	0.0035	0.0048	0.0067	0.0048	0.0048	0.0038	0.0047	0.0039	
BE7	MG 26	MG 27	AL 27	AL 28	AL 29	SI 29	SI 30	P 32	P 33	AR 38	
	-16.2142	-14.5826	-17.1961	-16.8554	-18.2180	-21.8936	-24.4394	-24.3027	-26.3346	-34.7182	
	-23.9998	-16.6710	-21.7131	-12.5864	-5.7871	-10.6158	-14.0184	-3.6477	1.4118	-7.7015	
	0.0034	0.0035	0.0067	0.0037	0.0035	0.0039	0.0041	0.0077	0.0034	0.0037	
BE9	MG 24	MG 25	AL 25	AL 26	AL 27	SI 27	SI 28	P 30	P 31	AR 36	
	-13.9333	-13.1907	-8.9310	-12.2108	-17.1961	-12.3860	-21.4899	-20.1970	-24.4376	-30.2316	
	-33.7172	-17.1849	-31.8306	-17.1227	-12.0288	-17.1263	-24.3788	-8.1562	-4.0853	-16.1386	
	0.0046	0.0039	0.0601	0.0070	0.0042	0.0135	0.0044	0.0071	0.0079	0.0164	
BE10	MG 23	MG 24	AL 24	AL 25	AL 26	SI 26	SI 27	P 29	P 30	AR 35	
	-5.4724	-13.9333	-0.0700	-8.9310	-12.2108	-7.1320	-12.3860	-16.9450	-20.1970	-23.0510	
	-40.1497	-33.7443	-26.0025	-21.7872	-19.5357	-17.7190	-28.8629	-12.4553	-10.5084	-17.7409	
	0.0095	0.3000	0.0037	0.0050	0.0068	0.0049	0.0068	0.0060	0.0078	0.0034	
BB	NA 25	NA 26	MG 26	MG 27	MG 28	AL 28	AL 29	SI 31	SI 32	CL 37	
	-9.3560	-7.6900	-16.2142	-14.5826	-15.0200	-16.8554	-18.2180	-22.9620	-24.0900	-31.7648	
	-29.1065	-22.1450	-17.4125	-12.3082	-7.4706	-11.4927	-19.0139	-2.6528	0.7119	-9.6203	
	0.0034	0.0043	0.0033	0.0034	0.0034	0.0037	0.0034	0.0048	0.0048	0.0031	
B10	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35	
	-9.5283	-8.4184	-13.9333	-13.1907	-16.2142	-12.2108	-17.1961	-21.8936	-24.4394	-29.0145	
	-30.0681	-17.6505	-22.4889	-8.1811	-7.1096	-11.3879	-20.6147	0.3280	1.5506	-10.7993	
	0.0039	0.0034	0.0040	0.0033	0.0034	0.0066	0.0037	0.0041	0.0048	0.0066	
B11	NA 22	NA 23	MG 23	MG 24	MG 25	AL 25	AL 26	SI 28	SI 29	CL 34	
	-5.1822	-9.5283	-5.4724	-13.9333	-13.1907	-8.9310	-12.2108	-21.4899	-21.8936	-24.4510	

16 S 34

MASS EXCESS -29.9335 +/- 0.0027 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			6.9850	6.3700	12.7220	16.7813	15.9487	7.2095	17.6882	20.5262	14.1891
			0.0030	0.0030	0.0049	0.0029	0.0030	0.0037	0.0032	0.0046	0.0035
GAMMA	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46	
		-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-34.7182	-33.5333	-35.5524	-44.1226	
		-11.4223		-6.2650	4.1455	6.4646	7.1580	-4.6293	9.8868	10.4357	0.9971
		0.0039		0.0066	0.0030	0.0049	0.0036	0.0030	0.0039	0.0032	0.0055
N	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45	
		-26.5826	-24.4510	-29.0145	-29.5196	-30.2316	-30.9509	-33.8033	-33.5333	-39.0020	
		-10.8879	-4.3211		4.7605	8.3825	7.2284	-3.0329	10.1039	12.7231	3.8381
		0.0043	0.2000		0.0030	0.0084	0.0049	0.0029	0.0067	0.0030	0.0041
P	P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45	
		-26.3346	-24.8300	-28.8471	-30.6550	-29.5196	-31.7648	-33.2380	-35.0383	-41.0606	
		-18.7667	-8.6634	-9.1978		0.7276	0.8764	-11.1251	5.7372	5.0759	-5.2564
		0.0034	0.0043	0.0039		0.0030	0.0030	0.0049	0.0038	0.0067	0.0066
D	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44	
		-24.3027	-26.3346	-26.5826	-28.8471	-29.0145	-29.5196	-34.7182	-33.2380	-37.8130	
		-20.4459	-12.5093	-11.5818	-5.1649		-5.5011	-13.4442	0.1559	4.7421	-8.7095
		0.0030	0.0034	0.0029	0.0039		0.0066	0.0030	0.0032	0.0038	0.0084
T	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43	
		-24.4376	-24.3027	-26.0127	-26.5826	-24.4510	-29.0145	-30.9509	-34.7182	-36.1740	
		-21.9028	-12.7034	-13.2731	-5.3943	-5.0849		-13.5930	0.9884	-0.1545	-6.4689
		0.0057	0.0075	0.0034	0.0043	0.2000		0.0030	0.0031	0.0085	0.0047
HE3	SI 31	SI 32	P 32	P 33	P 34	S 34	S 35	CL 37	CL 38	CA 43	
		-22.9620	-24.0900	-24.3027	-26.3346	-24.8300	-28.8471	-31.7648	-29.8030	-38.3959	
		-7.9188	-1.3248	-0.6317	5.0804	8.9263	9.1557		11.2497	14.3139	6.1815
		0.0046	0.0057	0.0031	0.0034	0.0044	0.0039		0.0050	0.0031	0.0044
HE4	SI 30	SI 31	P 31	P 32	P 33	S 33	S 34	S 34	CL 36	CL 37	CA 42
		-24.4394	-22.9620	-24.4376	-24.3027	-26.3346	-26.5826		-29.5196	-31.7648	-38.5397
		-26.0418	-17.5667	-23.2977	-14.1988	-8.1442	-13.6084	-19.0942	-8.9923	-3.6099	-12.6841
		0.0056	0.0061	0.0077	0.0085	0.0050	0.0120	0.0049	0.0078	0.0051	0.0058
HE6	SI 28	SI 29	P 29	P 30	P 31	S 31	S 32	CL 34	CL 35	CA 40	
		-21.4899	-21.8936	-16.9450	-20.1970	-24.4376	-18.9920	-26.0127	-24.4510	-29.0145	-34.8476
		-27.1665	-17.7325	-14.8393	-6.4466	-6.1100	-4.6530	-17.2944		-0.2675	-10.4886
		0.0047	0.0067	0.0047	0.0047	0.0058	0.0032	0.0036		0.0033	0.0032
LI6	AL 28	AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35	K 40	
		-16.8554	-18.2180	-21.8936	-24.4394	-22.9620	-24.4376	-24.3027	-28.8471	-33.5333	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-27.6447	-19.9140	-16.0619	-9.8113	-5.4515	-9.7125	-17.9785	-4.1698		-11.0375
	0.0034	0.0047	0.0040	0.0047	0.0047	0.0076	0.0033	0.0042		0.0039
LI7	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39
	-17.1961	-16.8554	-21.4899	-21.8936	-24.4394	-20.1970	-24.4376	-26.5826		-33.8033
	-38.6689	-25.6122	-31.2047	-16.2539	-14.0361	-19.0034	-28.2579	-10.7786	-9.3898	-22.0937
	0.0039	0.0036	0.0040	0.0042	0.0048	0.0068	0.0077	0.0034	0.0043	0.0105
LI8	AL 26	AL 27	SI 27	SI 28	SI 29	P 29	P 30	S 32	S 33	K 38
	-12.2108	-17.1961	-12.3860	-21.4899	-21.8936	-16.9450	-20.1970	-26.0127	-26.5826	-28.7860
	-45.9675	-34.6163	-40.4775	-29.3766	-18.4586	-32.8472	-35.5287	-21.8181	-13.9785	-30.0989
	0.0211	0.0203	0.0240	0.0203	0.0204	0.0633	0.0211	0.0230	0.0202	0.0370
LI9	AL 25	AL 26	SI 26	SI 27	SI 28	P 28	P 29	S 31	S 32	K 37
	-8.9310	-12.2108	-7.1320	-12.3860	-21.4899	-7.1200	-16.9450	-18.9920	-26.0127	-24.7996
	-31.1198	-22.6110	-21.5580	-14.3485	-13.6024	-6.3317	-20.3156	-5.2794	-5.9651	-12.4644
	0.0048	0.0067	0.0047	0.0067	0.2500	0.0047	0.0058	0.0046	0.2000	0.0067
BE7	MG 27	MG 28	AL 28	AL 29	AL 30	SI 30	SI 31	P 33	P 34	AR 39
	-14.5826	-15.0200	-16.8554	-18.2180	-17.1500	-24.4394	-22.9620	-26.3346	-24.8300	-33.2380
	-28.0933	-16.9984	-21.7842	-10.9520	-9.4786	-4.8628	-16.9656	-2.7580	-2.0740	-10.3331
	0.0034	0.0034	0.0037	0.0034	0.0047	0.0040	0.0047	0.0034	0.0037	0.0031
BE9	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32	AR 37
	-13.1907	-16.2142	-12.2108	-17.1961	-16.8554	-21.4899	-21.8936	-24.4376	-24.3027	-30.9509
	-28.6072	-21.2784	-26.3205	-17.1938	-10.3944	-15.2232	-18.6258	-8.2551	-3.1956	-12.3089
	0.0039	0.0040	0.0069	0.0042	0.0039	0.0044	0.0045	0.0079	0.0039	0.0042
BE10	MG 24	MG 25	AL 25	AL 26	AL 27	SI 27	SI 28	P 30	P 31	AR 36
	-13.9333	-13.1907	-8.9310	-12.2108	-17.1961	-12.3860	-21.4899	-20.1970	-24.4376	-30.2316
	-45.1666		-30.9850	-24.7007		-19.7073	-33.2818	-14.6782		-23.0536
	0.3000	MASS	0.0049	0.0067	MASS	0.0068	0.2500	0.0077	MASS	0.0086
BB	NA 26	NA 27	MG 27	MG 28	MG 29	AL 29	AL 30	SI 32	SI 33	CL 38
	-7.6900	UNKNOWN	-14.5826	-15.0200	UNKNOWN	-18.2180	-17.1500	-24.0900	UNKNOWN	-29.8030
	-33.5673	-24.5583	-21.5060	-12.6356	-12.4531	-9.8583	-22.7055	-3.4579	-4.1164	-12.4661
	0.0042	0.0094	0.0033	0.0033	0.0047	0.0033	0.0046	0.0047	0.0058	0.0049
B10	NA 24	NA 25	MG 25	MG 26	MG 27	AL 27	AL 28	SI 30	SI 31	CL 36
	-8.4184	-9.3560	-13.1907	-16.2142	-14.5826	-17.1961	-16.8554	-24.4394	-22.9620	-29.5196
	-29.0729	-22.1113	-17.3789	-12.2746	-7.4370	-11.4590	-18.9803	-2.6192	0.7455	-9.5867
	0.0033	0.0042	0.0032	0.0033	0.0033	0.0036	0.0033	0.0047	0.0047	0.0030
B11	NA 23	NA 24	MG 24	MG 25	MG 26	AL 26	AL 27	SI 29	SI 30	CL 35
	-9.5283	-8.4184	-13.9333	-13.1907	-16.2142	-12.2108	-17.1961	-21.8936	-24.4394	-29.0145

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MASS EXCESS -30.6550 +/- 0.0080 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		4.4164	8.3988	12.2839	14.0949	17.5143	6.8081	18.4494	20.8313	17.8281
		0.0705	0.0081	0.0113	0.0197	0.0100	0.0080	0.0145	0.0136	0.0082
GAMMA	S 36	S 37	CL 37	CL 38	CL 39	AR 39	AR 40	K 42	K 43	TI 48
		-27.0000	-31.7648	-29.8030	-29.8000	-33.2380	-35.0383	-35.0160	-36.5790	-48.4831
		-9.8793	-1.9179	6.1743	6.0265	10.9231	-3.0637	10.9144	11.1969	6.2002
		0.0081	0.0090	0.0081	0.0113	0.0084	0.0100	0.0088	0.0145	0.0084
N	S 35	S 36	CL 36	CL 37	CL 38	AR 38	AR 39	K 41	K 42	TI 47
		-28.8471	-29.5196	-31.7648	-29.8030	-34.7182	-33.2380	-35.5524	-35.0160	-44.9266
				2.1919	3.8060	6.7903	-5.7192	9.2118	11.3833	6.3823
	MASS	MASS		0.0705	0.1502	0.0113	0.0197	0.0094	0.0408	0.0086
P	P 35	P 36	S 36	S 37	S 38	CL 38	CL 39	AR 41	AR 42	SC 47
	UNKNOWN	UNKNOWN		-27.0000	-26.8000	-29.8030	-29.8000	-33.0674	-34.4200	-44.3263
				-18.9609		-1.8410	2.9052	-11.5632	5.3358	4.1838
				0.2002	MASS	0.0705	0.0081	0.0113	0.0081	0.0094
D	P 34	P 35	S 35	S 36	S 37	CL 37	CL 38	AR 40	AR 41	SC 46
		UNKNOWN	-28.8471		-27.0000	-31.7648	-29.8030	-35.0383	-33.0674	-41.7557
				-19.2703	-12.7035	-8.3825	-3.6219		-1.1540	-11.4154
				0.0087	0.2002	0.0084	0.0081		0.0090	0.0081
T	P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45
		-24.8300	-29.9335	-28.8471		-29.5196	-31.7648	-33.2380	-35.0383	-41.0606
				-13.4674				-16.1616	-1.6979	-3.1790
	MASS	MASS	0.2002	MASS	MASS			0.0705	0.0197	0.5001
HE3	SI 33	SI 34	P 34	P 35	P 36	S 36	S 37	CL 39	CL 40	CA 45
	UNKNOWN	UNKNOWN	-24.8300	UNKNOWN	UNKNOWN		-27.0000	-29.8000	-27.5000	-40.8085
				-8.9897	0.5438	4.8862		10.6987	10.8117	11.6276
				0.0106	MASS	0.0087	0.2002	MASS	0.0081	0.0114
HE4	SI 32	SI 33	P 33	P 34	P 35	S 35	S 36	CL 38	CL 39	CA 44
		UNKNOWN	-26.3346	-24.8300	UNKNOWN	-28.8471		-29.8030	-29.8000	-41.4596
				-23.8138	-17.2198	-16.5266	-10.8146	-6.9686	-6.7393	-15.8949
				0.0097	0.0102	0.0091	0.0092	0.0096	0.0094	0.0094
HE6	SI 30	SI 31	P 31	P 32	P 33	S 33	S 34	CL 36	CL 37	CA 42
		-22.9620	-24.4376	-24.3027	-26.3346	-26.5826	-29.9335	-29.5196	-31.7648	-38.5397
				-27.5934		-14.4924	-7.5175		-3.4775	-17.4886
				0.2501	MASS	0.0095	0.0107	MASS	0.0088	0.2002
LI6	AL 30	AL 31	SI 31	SI 32	SI 33	P 33	P 34	S 36	S 37	K 42
		UNKNOWN	-22.9620	-24.0900	UNKNOWN	-26.3346	-24.8300		-27.0000	-35.0160

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
	-27.3443	-20.3409	-13.8339	-9.4644	-6.5224	-6.3283	-16.8029	-2.6268		-10.0099
	0.0101	0.2501	0.0089	0.0095	0.0107	0.0083	0.0088	0.0082		0.0088
LI7	AL 29	AL 30	SI 30	SI 31	SI 32	P 32	P 33	S 35	S 36	K 41
	-18.2180	-17.1500	-24.4394	-22.9620	-24.0900	-24.3027	-26.3346	-28.8471		-35.5524
	-34.7458	-25.3118	-22.4186	-14.0259	-13.6892	-12.2323	-24.8737	-7.5793	-7.8468	-18.0679
	0.0089	0.0101	0.0089	0.0089	0.0096	0.0083	0.0084	0.0086	0.0083	0.0082
LI8	AL 28	AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35	K 40
	-16.8554	-18.2180	-21.8936	-24.4394	-22.9620	-24.4376	-24.3027	-29.9335	-28.8471	-33.5333
	-38.4239	-30.6932	-26.8411	-20.5905	-16.2306	-20.4917	-28.7576	-14.9490	-10.7792	-21.8167
	0.0216	0.0219	0.0217	0.0219	0.0219	0.0227	0.0216	0.0217	0.0217	0.0217
LI9	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39
	-17.1961	-16.8554	-21.4899	-21.8936	-24.4394	-20.1970	-24.4376	-26.5826	-29.9335	-33.8033
			-21.9849			-7.4026				-13.3565
	MASS	MASS	0.2501	MASS	MASS	0.0107	MASS	MASS	MASS	0.0094
BE7	MG 29	MG 30	AL 30	AL 31	AL 32	SI 32	SI 33	P 35	P 36	AR 41
	UNKNOWN	UNKNOWN	-17.1500	UNKNOWN	UNKNOWN	-24.0900	UNKNOWN	UNKNOWN	UNKNOWN	-33.0674
	-27.4229	-18.9141	-17.8611	-10.6516	-9.9055	-2.6348	-16.6187	-1.5825	-2.2682	-8.7675
	0.0089	0.0100	0.0089	0.0100	0.2501	0.0089	0.0095	0.0088	0.2002	0.0100
BE9	MG 27	MG 28	AL 28	AL 29	AL 30	SI 30	SI 31	P 33	P 34	AR 39
	-14.5826	-15.0200	-16.8554	-18.2180	-17.1500	-24.4394	-22.9620	-26.3346	-24.8300	-33.2380
	-27.0478	-20.6080	-18.7769	-13.2707	-10.0940	-6.4371	-16.3978	-4.8709	-2.0201	-8.5438
	0.0085	0.0091	0.0085	0.0091	0.0102	0.0091	0.0091	0.0086	0.0090	0.0087
BE10	MG 26	MG 27	AL 27	AL 28	AL 29	SI 29	SI 30	P 32	P 33	AR 38
	-16.2142	-14.5826	-17.1961	-16.8554	-18.2180	-21.8936	-24.4394	-24.3027	-26.3346	-34.7182
										-26.0781
	MASS	MASS	MASS	MASS	MASS	MASS	MASS	MASS	MASS	0.5001
B8	NA 28	NA 29	MG 29	MG 30	MG 31	AL 31	AL 32	SI 34	SI 35	CL 40
	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	-27.5000
	-35.0172		-20.8356	-14.5513		-9.5579	-23.1324	-4.5288		-12.9042
	0.3001	MASS	0.0089	0.0100	MASS	0.0100	0.2501	0.0107	MASS	0.0113
B10	NA 26	NA 27	MG 27	MG 28	MG 29	AL 29	AL 30	SI 32	SI 33	CL 38
	-7.6900	UNKNOWN	-14.5826	-15.0200	UNKNOWN	-18.2180	-17.1500	-24.0900	UNKNOWN	-29.8030
	-29.9667	-23.5612	-15.8195	-11.6042	-9.3527	-7.5359	-18.6799	-2.2723	-0.3254	-7.5579
	0.0120	0.3001	0.0082	0.0089	0.0100	0.0088	0.0100	0.0095	0.0107	0.0081
B11	NA 25	NA 26	MG 26	MG 27	MG 28	AL 28	AL 29	SI 31	SI 32	CL 37
	-9.3560	-7.6900	-16.2142	-14.5826	-15.0200	-16.8554	-18.2180	-22.9620	-24.0900	-31.7648

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MASS EXCESS -29.0145 +/- 0.0012 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2

OUTGOING											
			8.5765	8.5061	15.0723	20.6537	7028	7.2136	20.1989	24.4325	12.9955
			0.0043	0.0026	0.0018	0.0027	101	0.0029	0.0043	0.0039	0.0081
GAMMA	CL 35	CL 36	AR 36	AR 37	AR 37	AR 37	9	K 39	CA 41	CA 42	V 47
		-29.5196	-30.2316	-30.9509	-34.0		50	-33.8033	-35.1250	-38.5397	-42.0100
		-12.6349	-6.7459	6.2816	8.8149	2.6450	-5.8752	11.8501	12.9464	-0.0169	
		0.0061	0.0160	0.0026	0.0018	0.0310	0.0101	0.0036	0.0043	0.0032	
N	CL 34	CL 35	AR 35	AR 36	AR 37	K 37	K 38	CA 40	CA 41	V 46	
		-24.4510	-23.0510	-30.2316	-30.9509	-24.7996	-28.7860	-34.8476	-35.1250	-37.0690	
		-6.3700	0.6151	6.3520	10.4113	9.5788	0.8395	11.3182	14.1562	7.8191	
		0.0030	0.0017	0.0043	0.0016	0.0018	0.0028	0.0020	0.0039	0.0026	
P	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46	
		-29.9335	-28.8471	-29.5196	-31.7648	-30.9509	-34.7182	-33.5333	-35.5524	-44.1226	
		-15.5678	-4.1455	-10.4104	2.3191	3.0125	-8.7748	5.7413	6.2902	-3.1484	
		0.0030	0.0030	0.0061	0.0043	0.0026	0.0018	0.0031	0.0020	0.0049	
D	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45	
		-26.5826	-29.9335	-24.4510	-29.5196	-30.2316	-30.9509	-33.8033	-33.5333	-39.0020	
		-17.9517	-9.3104	-15.6615	-6.3775	-5.9821	-11.3081	-1.0900	4.7462	-6.3064	
		0.0015	0.0031	0.0121	0.0061	0.0160	0.0026	0.0101	0.0031	0.0121	
T	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38	K 39	TI 44	
		-26.0127	-26.5826	-21.0140	-24.4510	-23.0510	-30.2316	-28.7860	-33.8033	-37.6580	
		-19.6431	-9.5398	-10.0742	-0.8764	-0.1488	-12.0015	4.8608	4.1995	-6.1328	
		0.0024	0.0036	0.0031	0.0030	0.0017	0.0043	0.0030	0.0062	0.0061	
HE3	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44	
		-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.5196	-34.7182	-33.2380	-37.8130	
		-7.0016	0.9349	1.8624	8.2793	13.4442	7.9431	13.6001	18.1863	4.7348	
		0.0019	0.0025	0.0016	0.0031	0.0030	0.0061	0.0021	0.0030	0.0081	
HE4	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43	
		-24.4376	-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-30.9509	-34.7182	-36.1740	
		-29.6677	-18.3443	-25.3667	-14.4848	-5.6500	-18.8714	-23.1739	-9.4733	-1.4738	-17.9827
		0.0073	0.0082	0.0253	0.0118	0.0043	0.3800	0.0127	0.0166	0.0049	0.0118
HE6	P 29	P 30	S 30	S 31	S 32	CL 32	CL 33	AR 35	AR 36	SC 41	
		-16.9450	-20.1970	-13.9570	-18.9920	-26.0127	-12.8100	-21.0140	-23.0510	-30.2316	-28.6300
		-21.2093	-10.5921	-15.6169	-5.5294	-3.8502	-2.1589	-14.0955	1.3240	-7.9779	
		0.0040	0.0040	0.0072	0.0022	0.0027	0.0019	0.0033	0.0045	0.0043	
LI6	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41	
		-21.8936	-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.5196	-35.1250	

	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
	-22.4319	-13.9568	-19.6878	-10.5889	-4.5343	-9.9985	-15.4843	-5.3824			-9.0742
	0.0032	0.0040	0.0062	0.0072	0.0022	0.0111	0.0019	0.0063			0.0036
LI7	SI 28	SI 29	P 29	P 30	P 31	S 31	S 32	CL 34		CL 35	CA 40
	-21.4899	-21.8936	-16.9450	-20.1970	-24.4376	-18.9920	-26.0127	-24.4510			-34.8476
	-37.5747	-20.3994	-35.5517	-19.8798	-14.8137	-21.0724	-28.5439	-14.8583	-10.6024		-22.6607
	0.0032	0.0034	0.0600	0.0063	0.0073	0.0251	0.0112	0.0122	0.0064		0.0231
LI8	SI 27	SI 28	P 28	P 29	P 30	S 30	S 31	CL 33	CL 34		CA 39
	-12.3860	-21.4899	-7.1200	-16.9450	-20.1970	-13.9570	-18.9920	-21.0140	-24.4510		-27.3000
	-46.8475	-33.5221		-33.7236	-22.0845	-36.1482	-37.5977	-27.0811	-18.0582		-32.2895
	0.0239	0.0202	MASS	0.0633	0.0209	0.2010	0.0320	0.3805	0.0234		1.0002
LI9	SI 26	SI 27	P 27	P 28	P 29	S 29	S 30	CL 32	CL 33		CA 38
	-7.1320	-12.3860	UNKNOWN	-7.1200	-16.9450	-2.9000	-13.9570	-12.8100	-21.0140		-21.6900
	-27.9280	-18.4940	-15.6008	-7.2081	-6.8714	-5.4145	-18.0559	-0.7615	-1.0290		-11.2501
	0.0040	0.0062	0.0040	0.0040	0.0053	0.0022	0.0027	0.0033	0.0023		0.0020
BE7	AL 28	AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35		K 40
	-16.8554	-18.2180	-21.8936	-24.4394	-22.9620	-24.4376	-24.3027	-29.9335	-28.8471		-33.5333
	-28.1542	-15.0975	-20.6900	-5.7392	-3.5214	-8.4887	-17.7432	-0.2639	1.1249		-11.5790
	0.0027	0.0023	0.0030	0.0032	0.0040	0.0062	0.0072	0.0021	0.0034		0.0101
BE9	AL 26	AL 27	SI 27	SI 28	SI 29	P 29	P 30	S 32	S 33		K 38
	-12.2108	-17.1961	-12.3860	-21.4899	-21.8936	-16.9450	-20.1970	-26.0127	-26.5826		-28.7860
	-32.6905	-21.3393	-27.2005	-16.0996	-5.1816	-19.5702	-22.2517	-8.5411	-0.7015		-16.8219
	0.0065	0.0034	0.0132	0.0036	0.0038	0.0601	0.0065	0.0113	0.0029		0.0311
BE10	AL 25	AL 26	SI 26	SI 27	SI 28	P 28	P 29	S 31	S 32		K 37
	-8.9310	-12.2108	-7.1320	-12.3860	-21.4899	-7.1200	-16.9450	-18.9920	-26.0127		-24.7996
	-37.3550	-28.8462	-27.7932	-20.5837	-19.8376	-12.5669	-26.5508	-11.5146	-12.2003		-18.6996
	0.0043	0.0063	0.0042	0.0063	0.2500	0.0042	0.0054	0.0041	0.2000		0.0063
B8	MG 27	MG 28	AL 28	AL 29	AL 30	SI 30	SI 31	P 33	P 34		AR 39
	-14.5826	-15.0200	-16.8554	-18.2180	-17.1500	-24.4394	-22.9620	-26.3346	-24.8300		-33.2380
	-27.8760	-16.7811	-21.5669	-10.7347	-9.2613	-4.6455	-16.7483	-2.5407	-1.8567		-10.1158
	0.0023	0.0022	0.0026	0.0022	0.0039	0.0031	0.0039	0.0022	0.0027		0.0018
B10	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32		AR 37
	-13.1907	-16.2142	-12.2108	-17.1961	-16.8554	-21.4899	-21.8936	-24.4376	-24.3027		-30.9509
	-23.7489	-16.4200	-21.4622	-12.3355	-5.5361	-10.3648	-13.7675	-3.3968	1.6627		-7.4506
	0.0021	0.0023	0.0061	0.0026	0.0022	0.0029	0.0031	0.0072	0.0022		0.0026
B11	MG 24	MG 25	AL 25	AL 26	AL 27	SI 27	SI 28	P 30	P 31		AR 36
	-13.9333	-13.1907	-8.9310	-12.2108	-17.1961	-12.3860	-21.4899	-20.1970	-24.4376		-30.2316

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MASS EXCESS -29.5196 +/- 0.0041 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
		10.3166	8.7203	18.3345	18.6683	19.2150	6.4385	23.1085	23.7836	14.9504
		0.0042	0.0043	0.0048	0.0073	0.0049	0.0043	0.0055	0.0058	0.0053
GAMMA	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
		-31.7648	-30.9509	-34.7182	-33.2380	-33.8033	-33.5333	-38.5397	-38.3959	-44.4700
		-8.5765	-0.0704	6.4958	12.0771	6.1263	-1.3630	11.6224	15.8560	4.4190
		0.0043	0.0047	0.0043	0.0048	0.0108	0.0049	0.0058	0.0055	0.0090
N	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47
		-29.0145	-30.2316	-30.9509	-34.7182	-28.7860	-33.8033	-35.1250	-38.5397	-42.0100
		-7.9615	1.9179	8.0921	7.9444	12.8410	-1.1458	12.8322	13.1147	8.1180
		0.0043	0.0090	0.0042	0.0090	0.0048	0.0073	0.0055	0.0127	0.0048
P	S 35	S 36	CL 36	CL 37	CL 38	AR 38	AR 39	K 41	K 42	TI 47
		-28.8471	-30.6550	-31.7648	-29.8030	-34.7182	-33.2380	-35.5524	-35.0160	-44.9266
		-12.7220	-5.7370	-6.3520	4.0592	3.2267	-5.5126	4.9662	7.8042	1.4671
		0.0049	0.0043	0.0043	0.0043	0.0043	0.0048	0.0044	0.0055	0.0047
D	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
		-29.9335	-28.8471	-29.0145	-31.7648	-30.9509	-34.7182	-33.5333	-35.5524	-44.1226
		-17.8869	-6.4646	-12.7296	-2.3191	0.6934	-11.0939	3.4222	3.9711	-5.4675
		0.0050	0.0049	0.0073	0.0043	0.0047	0.0043	0.0050	0.0044	0.0063
T	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45
		-26.5826	-29.9335	-24.4510	-29.0145	-30.2316	-30.9509	-33.8033	-33.5333	-39.0020
		-18.1163	-11.5495	-7.2284	-2.4679	1.1540	-10.2614	2.8755	5.4947	-3.3903
		0.0053	0.2000	0.0049	0.0043	0.0090	0.0043	0.0074	0.0043	0.0051
HE3	P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45
		-26.3346	-24.8300	-29.9335	-28.8471	-30.6550	-31.7648	-33.2380	-35.0383	-41.0606
		-7.6416	2.4617	1.9272	11.1251	11.8527	12.0015	16.8623	16.2010	5.8687
		0.0046	0.0053	0.0050	0.0049	0.0043	0.0043	0.0049	0.0074	0.0073
HE4	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44
		-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.0145	-34.7182	-33.2380	-37.8130
		-26.9208	-14.6088	-20.8368	-7.9692	-5.5852	-11.1725	-2.7978	-1.2596	-15.0088
		0.0090	0.0059	0.0124	0.0058	0.0064	0.0133	0.0083	0.0060	0.0070
HE6	P 30	P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37	SC 42
		-20.1970	-24.4376	-18.9920	-26.0127	-26.5826	-21.0140	-24.4510	-30.2316	-30.9509
		-19.1686	-12.5746	-11.8814	-6.1694	-2.3234	-2.0941	-11.2497	3.0641	-5.0683
		0.0056	0.0066	0.0045	0.0047	0.0054	0.0051	0.0050	0.0045	0.0055
LI6	SI 30	SI 31	P 31	P 32	P 33	S 33	S 34	CL 36	CL 37	CA 42
		-24.4394	-22.9620	-24.4376	-24.3027	-26.3346	-26.5826	-29.9335	-31.7648	-38.5397

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
	-22.5333	-11.9161	-16.9409	-6.8534	-5.1742	-3.4829	-15.4195	-1.3240			-9.3019
	0.0056	0.0056	0.0082	0.0045	0.0047	0.0043	0.0051	0.0045			0.0058
LI7	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35		CL 36	CA 41
	-21.8936	-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.0145			-35.1250
	-28.9759	-20.5008	-26.2318	-17.1329	-11.0782	-16.5425	-22.0283	-11.9264	-6.5440		-15.6182
	0.0052	0.0057	0.0074	0.0083	0.0046	0.0118	0.0045	0.0075	0.0047		0.0054
LI8	SI 28	SI 29	P 29	P 30	P 31	S 31	S 32	CL 34		CL 35	CA 40
	-21.4899	-21.8936	-16.9450	-20.1970	-24.4376	-18.9920	-26.0127	-24.4510	-29.0145		-34.8476
	-42.0986	-24.9233	-40.0756	-24.4037	-19.3376	-25.5963	-33.0678	-19.3822	-15.1263		-27.1846
	0.0206	0.0206	0.0634	0.0213	0.0216	0.0323	0.0232	0.0237	0.0213		0.0308
LI9	SI 27	SI 28	P 28	P 29	P 30	S 30	S 31	CL 33		CL 34	CA 39
	-12.3860	-21.4899	-7.1200	-16.9450	-20.1970	-13.9570	-18.9920	-21.0140	-24.4510		-27.3000
	-27.0705	-20.0671	-13.5601	-9.1906	-6.2485	-6.0545	-16.5291	-2.3530	0.2738		-9.7361
	0.0073	0.2500	0.0056	0.0066	0.0082	0.0047	0.0055	0.0045	0.0091		0.0055
BE7	AL 29	AL 30	SI 30	SI 31	SI 32	P 32	P 33	S 35	S 36		K 41
	-18.2180	-17.1500	-24.4394	-22.9620	-24.0900	-24.3027	-26.3346	-28.8471	-30.6550		-35.5524
	-23.6740	-15.9433	-12.0912	-5.8406	-1.4807	-5.7418	-14.0077	-0.1991	3.9707		-7.0668
	0.0046	0.0056	0.0050	0.0056	0.0056	0.0082	0.0044	0.0052	0.0051		0.0049
BE9	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34		K 39
	-17.1961	-16.8554	-21.4899	-21.8936	-24.4394	-20.1970	-24.4376	-26.5826	-29.9335		-33.8033
	-29.9158	-16.8591	-22.4516	-7.5008	-5.2830	-10.2503	-19.5048	-2.0255	-0.6367		-13.3406
	0.0052	0.0050	0.0053	0.0054	0.0059	0.0076	0.0084	0.0049	0.0055		0.0110
BE10	AL 26	AL 27	SI 27	SI 28	SI 29	P 29	P 30	S 32	S 33		K 38
	-12.2108	-17.1961	-12.3860	-21.4899	-21.8936	-16.9450	-20.1970	-26.0127	-26.5826		-28.7860
	-37.4227		-26.9357	-22.1568		-14.5494	-25.9279	-13.5243			-17.4044
	0.0074	MASS	0.0074	0.2500	MASS	0.0066	0.0083	0.2001	MASS		0.0044
BB	MG 28	MG 29	AL 29	AL 30	AL 31	SI 31	SI 32	P 34	P 35		AR 40
	-15.0200	UNKNOWN	-18.2180	-17.1500	UNKNOWN	-22.9620	-24.0900	-24.8300	UNKNOWN		-35.0383
	-25.3576	-18.9178	-17.0867	-11.5805	-8.4038	-4.7469	-14.7076	-3.1807	-0.3299		-6.8536
	0.0045	0.0056	0.0045	0.0055	0.0073	0.0055	0.0056	0.0048	0.0055		0.0048
B10	MG 26	MG 27	AL 27	AL 28	AL 29	SI 29	SI 30	P 32	P 33		AR 38
	-16.2142	-14.5826	-17.1961	-16.8554	-18.2180	-21.8936	-24.4394	-24.3027	-26.3346		-34.7182
	-24.9966	-13.9016	-18.6875	-7.8553	-6.3819	-1.7660	-13.8689	0.3387	1.0227		-7.2364
	0.0045	0.0045	0.0047	0.0045	0.0055	0.0050	0.0055	0.0045	0.0047		0.0043
B11	MG 25	MG 26	AL 26	AL 27	AL 28	SI 28	SI 29	P 31	P 32		AR 37
	-13.1907	-16.2142	-12.2108	-17.1961	-16.8554	-21.4899	-21.8936	-24.4376	-24.3027		-30.9509

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MASS EXCESS -31.7648 +/- 0.0011 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
		6.1096	10.2424	14.6091	18.2234	16.6998	6.2124	20.7195	24.6021	16.1917
		0.0081	0.0027	0.0061	0.0014	0.0016	0.0037	0.0042	0.0044	0.0025
GAMMA	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49
		-29.8030	-34.7182	-33.2380	-35.0383	-33.5333	-35.5524	-38.3959	-41.4596	-47.9565
		-10.3166	-1.5963	8.0179	8.3517	8.8984	-3.8782	12.7919	13.4670	4.6338
		0.0042	0.0017	0.0027	0.0061	0.0028	0.0017	0.0038	0.0042	0.0036
N	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
		-29.5196	-3C.9509	-34.7182	-33.2380	-33.8033	-33.5333	-38.5397	-38.3959	-44.4700
		-8.3988	-3.9824	3.8851	5.6962	9.1155	-1.5907	10.0506	12.4325	9.4293
		0.0081	0.0700	0.0081	0.0180	0.0061	0.0014	0.0121	0.0111	0.0023
P	S 36	S 37	CL 37	CL 38	CL 39	AR 39	AR 40	K 42	K 43	TI 48
		-30.6550	-27.0000	-29.8030	-29.8000	-33.2380	-35.0383	-35.0160	-36.5790	-48.4831
		-16.0536	-6.1743	-8.0921	-0.1478	4.7488	-9.2380	4.7401	5.0226	0.0259
		0.0016	0.0081	0.0042	0.0081	0.0027	0.0061	0.0038	0.0121	0.0027
D	S 35	S 36	CL 36	CL 37	CL 38	AR 38	AR 39	K 41	K 42	TI 47
		-28.8471	-30.6550	-29.5196	-29.8030	-34.7182	-33.2380	-35.5524	-35.0160	-44.9266
		-16.7812	-9.7962	-10.4113	-4.0592	-0.8325	-9.5718	0.9069	3.7450	-2.5921
		0.0029	0.0016	0.0016	0.0043	0.0017	0.0028	0.0020	0.0038	0.0026
T	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
		-29.9335	-28.8471	-29.0145	-29.5196	-30.9509	-34.7182	-33.5333	-35.5524	-44.1226
		-21.8661	-10.5600	-2.9052	-4.7462	-14.4684	2.4306	1.2786	-4.9404	
		0.2000	MASS	0.0016	0.0081	0.0081	0.0018	0.0051	0.0039	
HE3	P 34	P 35	S 35	S 36	S 37	CL 37	CL 38	AR 40	AR 41	SC 46
		-24.8300	UNKNOWN	-28.8471	-30.6550	-27.0000	-29.8030	-35.0383	-33.0674	-41.7557
		-7.8549	-1.2881	3.0329	7.7935	11.4154	10.2614	13.1369	15.7561	6.8710
		0.0036	0.2000	0.0029	0.0017	0.0081	0.0043	0.0062	0.0018	0.0033
HE4	P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45
		-26.3346	-24.8300	-29.9335	-28.8471	-30.6550	-29.5196	-33.2380	-35.0383	-41.0606
		-24.9254	-16.9889	-16.0613	-9.6445	-4.4796	-9.9807	-17.9238	-4.3237	0.2625
		0.0044	0.0047	0.0042	0.0050	0.0050	0.0073	0.0043	0.0045	0.0050
HE6	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
		-24.4376	-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-29.0145	-30.9509	-34.7182
		-22.8912	-13.6918	-14.2615	-6.3827	-6.0733	-0.9884	-14.5813	-1.1429	-7.4573
		0.0052	0.0072	0.0026	0.0037	0.2000	0.0031	0.0020	0.0082	0.0042
LI6	SI 31	SI 32	P 32	P 33	P 34	S 34	S 35	CL 37	CL 38	CA 43
		-22.9620	-24.0900	-24.3027	-26.3346	-24.8300	-29.9335	-28.8471	-29.8030	-38.3959

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
	-22.2327	-15.6387	-14.9455	-9.2335	-5.3876	-5.1582	-14.3138	-3.0641			-8.1324
	0.0040	0.0052	0.0021	0.0026	0.0037	0.0032	0.0031	0.0045			0.0038
LI7	SI 30	SI 31	P 31	P 32	P 33	S 33	S 34	CL 36		CL 37	CA 42
	-24.4394	-22.9620	-24.4376	-24.3027	-26.3346	-26.5826	-29.9335	-29.5196			-38.5397
	-30.8174	-20.2002	-25.2250	-15.1375	-13.4583	-11.7670	-23.7036	-9.6081	-8.2841	-17.5860	
	0.0041	0.0041	0.0072	0.0023	0.0028	0.0021	0.0034	0.0025	0.0046	0.0044	
LI8	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41	
	-21.8936	-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.0145	-29.5196	-35.1250	
	-35.2399	-26.7648	-32.4958	-23.3969	-17.3423	-22.8065	-28.2923	-18.1904	-12.8080	-21.8822	
	0.0202	0.0204	0.0209	0.0212	0.0201	0.0229	0.0201	0.0209	0.0201	0.0203	
LI9	SI 28	SI 29	P 29	P 30	P 31	S 31	S 32	CL 34	CL 35	CA 40	
	-21.4899	-21.8936	-16.9450	-20.1970	-24.4376	-18.9920	-26.0127	-24.4510	-29.0145	-34.8476	
	-30.3837		-17.2827	-10.3078		-6.2678	-20.2789	-2.7903	-5.6264	-12.5177	
	0.2500	MASS	0.0052	0.0072	MASS	0.0037	0.2000	0.0082	0.0700	0.0121	
BE7	AL 30	AL 31	SI 31	SI 32	SI 33	P 33	P 34	S 36	S 37	K 42	
	-17.1500	UNKNOWN	-22.9620	-24.0900	UNKNOWN	-26.3346	-24.8300	-30.6550	-27.0000	-35.0160	
	-26.2599	-16.8259	-13.9327	-5.5400	-5.2034	-3.7464	-16.3878	0.9066	0.6391	-9.5820	
	0.0040	0.0062	0.0040	0.0040	0.0052	0.0020	0.0026	0.0032	0.0022	0.0019	
BE9	AL 28	AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35	K 40	
	-16.8554	-18.2180	-21.8936	-24.4394	-22.9620	-24.4376	-24.3027	-29.9335	-28.8471	-33.5333	
	-27.1757	-19.4450	-15.5929	-9.3423	-4.9825	-9.2435	-17.5094	-3.7008	0.4690	-10.5685	
	0.0030	0.0044	0.0037	0.0044	0.0044	0.0074	0.0029	0.0039	0.0038	0.0036	
BE10	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39	
	-17.1961	-16.8554	-21.4899	-21.8936	-24.4394	-20.1970	-24.4376	-26.5826	-29.9335	-33.8033	
			-30.2489			-15.6666				-21.6205	
	MASS	MASS	0.2500	MASS	MASS	0.0072	MASS	MASS	MASS	0.0052	
B8	MG 29	MG 30	AL 30	AL 31	AL 32	SI 32	SI 33	P 35	P 36	AR 41	
	UNKNOWN	UNKNOWN	-17.1500	UNKNOWN	UNKNOWN	-24.0900	UNKNOWN	UNKNOWN	UNKNOWN	-33.0674	
	-29.2344	-20.7256	-19.6726	-12.4631	-11.7170	-4.4463	-18.4302	-3.3940	-4.0797	-10.5790	
	0.0040	0.0061	0.0039	0.0061	0.2500	0.0039	0.0052	0.0038	0.2000	0.0061	
B10	MG 27	MG 28	AL 28	AL 29	AL 30	SI 30	SI 31	P 33	P 34	AR 39	
	-14.5826	-15.0200	-16.8554	-18.2180	-17.1500	-24.4394	-22.9620	-26.3346	-24.8300	-33.2380	
	-24.2183	-17.7784	-15.9474	-10.4412	-7.2645	-3.6075	-13.5683	-2.0414	0.8094	-5.7143	
	0.0021	0.0040	0.0021	0.0039	0.0061	0.0039	0.0039	0.0026	0.0038	0.0027	
B11	MG 26	MG 27	AL 27	AL 28	AL 29	SI 29	SI 30	P 32	P 33	AR 38	
	-16.2142	-14.5826	-17.1961	-16.8554	-18.2180	-21.8936	-24.4394	-24.3027	-26.3346	-34.7182	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
		8.7907	1.8570	11.6903	18.5216	11.9997	7.0408	15.9658	20.8497	12.8384
		0.0026	0.0311	0.0103	0.0035	0.0231	0.0040	0.0047	0.0084	0.2000
GAMMA	AR 36	AR 37	K 37	K 38	K 39	CA 39	CA 40	SC 42	SC 43	CR 48
		-30.9509	-24.7996	-28.7860	-33.8033	-27.3000	-34.8476	-32.1090	-36.1740	-43.0700
		-15.2520	-14.2840	-0.3675	5.4329	-1.6817	-8.5783	4.4154	8.7133	
		0.0162	1.0000	0.0311	0.0103	1.0000	0.0231	0.0113	0.0047	MASS
N	AR 35	AR 36	K 36	K 37	K 38	CA 38	CA 39	SC 41	SC 42	CR 47
		-23.0510	-16.7300	-24.7996	-28.7860	-21.6900	-27.3000	-28.6300	-32.1090	UNKNOWN
		-8.5061	0.0704	6.5662	12.1476	6.1967	-1.2925	11.6928	15.9264	4.4894
		0.0026	0.0047	0.0026	0.0034	0.0103	0.0035	0.0047	0.0043	0.0083
P	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47
		-29.0145	-29.5196	-30.9509	-34.7182	-28.7860	-33.8033	-35.1250	-38.5397	-42.0100
		-18.9165	-6.2816	-13.0275	2.5333	-3.6366	-12.1568	5.5685	6.6648	-6.2985
		0.0064	0.0026	0.0162	0.0027	0.0311	0.0103	0.0041	0.0047	0.0038
D	CL 34	CL 35	AR 35	AR 36	AR 37	K 37	K 38	CA 40	CA 41	V 46
		-24.4510	-29.0145	-23.0510	-30.9509	-24.7996	-28.7860	-34.8476	-35.1250	-37.0690
		-24.1676	-12.6591	-19.8426	-8.9946	-13.5202	-17.9572	-3.7931	4.5733	
		0.0122	0.0064	1.0000	0.0162	1.0000	0.0311	0.0231	0.0041	MASS
T	CL 33	CL 34	AR 34	AR 35	AR 36	K 36	K 37	CA 39	CA 40	V 45
		-21.0140	-24.4510	-18.0500	-23.0510	-16.7300	-24.7996	-27.3000	-34.8476	UNKNOWN
		-18.5803	-7.1580	-13.4230	-3.0125	-0.6934	-11.7873	2.7288	3.2777	-6.1609
		0.0036	0.0036	0.0064	0.0026	0.0047	0.0027	0.0036	0.0028	0.0053
HE3	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45
		-26.5826	-29.9335	-24.4510	-29.0145	-29.5196	-30.9509	-33.8033	-33.5333	-39.0020
		-6.6436	1.9977	-4.3534	4.9306	11.3081	5.3260	10.2181	16.0543	5.0017
		0.0025	0.0036	0.0122	0.0064	0.0026	0.0162	0.0103	0.0037	0.0122
HE4	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38	K 39	TI 44
		-26.0127	-26.5826	-21.0140	-24.4510	-29.0145	-23.0510	-28.7860	-33.8033	-37.6580
		-33.8728	-20.7664	-21.8839	-11.8658	-23.2985	-27.3550	-17.0114	-8.1229	-24.4518
		0.0254	0.0119	MASS	0.3800	0.0129	0.2001	1.0000	0.0314	0.0157
HE6	S 30	S 31	CL 31	CL 32	CL 33	AR 33	AR 34	K 36	K 37	TI 42
		-13.9570	-18.9920	UNKNOWN	-12.8100	-21.0140	-9.6000	-18.0500	-16.7300	-24.7996
		-24.1230	-11.8110	-18.0390	-5.1714	-2.7874	-8.3747	-17.4442	1.5382	-12.2110
		0.0074	0.0029	0.0113	0.0027	0.0038	0.0123	0.0065	0.0031	0.0047
LI6	P 30	P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37	SC 42
		-20.1970	-24.4376	-18.9920	-26.0127	-26.5826	-21.0140	-24.4510	-30.9509	-32.1090

	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING											
	-28.1939	-16.8705	-23.8929	-13.0110	-4.1762	-17.3976	-21.7002	-7.9995			-16.5089
	0.0065	0.0075	0.0251	0.0113	0.0027	0.3800	0.0123	0.0162			0.0113
LI7	P 29	P 30	S 30	S 31	S 32	CL 32	CL 33	AR 35		AR 36	SC 41
	-16.9450	-20.1970	-13.9570	-18.9920	-26.0127	-12.8100	-21.0140	-23.0510			-28.6300
	-44.0578	-26.1614	-40.9888	-24.0849	-17.2358		-35.9430	-19.0394	-13.2195	-30.7978	
	0.0601	0.0066	0.2000	0.0252	0.0113	MASS	0.3800	1.0000	0.0163	0.0601	
LI8	P 28	P 29	S 29	S 30	S 31	CL 31	CL 32	AR 34	AR 35	SC 40	
	-7.1200	-16.9450	-2.9000	-13.9570	-18.9920	UNKNOWN	-12.8100	-18.0500	-23.0510	-20.3800	
		-40.0052		-39.1607	-26.2896			-31.5082	-22.2393		
	MASS	0.0633	MASS	0.2010	0.0321	MASS	MASS	0.2010	1.0002	MASS	
LI9	P 27	P 28	S 28	S 29	S 30	CL 30	CL 31	AR 33	AR 34	SC 39	
	UNKNOWN	-7.1200	UNKNOWN	-2.9000	-13.9570	UNKNOWN	UNKNOWN	-9.6000	-18.0500	UNKNOWN	
	-24.1069	-13.4897	-18.5145	-8.4270	-6.7478	-5.0565	-16.9931	-2.8976	-1.5736	-10.8755	
	0.0045	0.0045	0.0075	0.0029	0.0033	0.0027	0.0038	0.0030	0.0050	0.0047	
BE7	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41	
	-21.8936	-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.0145	-29.5196	-35.1250	
	-29.1961	-12.0208	-27.1731	-11.5012	-6.4351	-12.6938	-20.1653	-6.4797	-2.2238	-14.2821	
	0.0036	0.0037	0.0601	0.0065	0.0074	0.0251	0.0113	0.0123	0.0066	0.0231	
BE9	SI 27	SI 28	P 28	P 29	P 30	S 30	S 31	CL 33	CL 34	CA 39	
	-12.3860	-21.4899	-7.1200	-16.9450	-20.1970	-13.9570	-18.9920	-21.0140	-24.4510	-27.3000	
	-35.7066	-22.3812		-22.5827	-10.9437	-25.0073	-26.4568	-15.9402	-6.9173	-21.1486	
	0.0134	0.0041	MASS	0.0601	0.0068	0.2000	0.0252	0.3800	0.0125	1.0000	
BE10	SI 26	SI 27	P 27	P 28	P 29	S 29	S 30	CL 32	CL 33	CA 38	
	-7.1320	-12.3860	UNKNOWN	-7.1200	-16.9450	-2.9000	-13.9570	-12.8100	-21.0140	-21.6900	
	-36.2993	-26.8653	-23.9721	-15.5794	-15.2428	-13.7858	-26.4272	-9.1328	-9.4003	-19.6214	
	0.0046	0.0066	0.0046	0.0046	0.0057	0.0031	0.0035	0.0040	0.0032	0.0030	
B8	AL 28	AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35	K 40	
	-16.8554	-18.2180	-21.8936	-24.4394	-22.9620	-24.4376	-24.3027	-29.9335	-28.8471	-33.5333	
	-30.0730	-17.0163	-22.6088	-7.6580	-5.4402	-10.4075	-19.6620	-2.1827	-0.7939	-13.4978	
	0.0033	0.0030	0.0035	0.0037	0.0044	0.0064	0.0074	0.0027	0.0038	0.0103	
B10	AL 26	AL 27	SI 27	SI 28	SI 29	P 29	P 30	S 32	S 33	K 38	
	-12.2108	-17.1961	-12.3860	-21.4899	-21.8936	-16.9450	-20.1970	-26.0127	-26.5826	-28.7860	
	-29.9683	-18.6170	-24.4783	-13.3774	-2.4594	-16.8479	-19.5295	-5.8189	2.0207	-14.0997	
	0.0064	0.0033	0.0132	0.0035	0.0036	0.0600	0.0064	0.0113	0.0027	0.0311	
B11	AL 25	AL 26	SI 26	SI 27	SI 28	P 28	P 29	S 31	S 32	K 37	
	-8.9310	-12.2108	-7.1320	-12.3860	-21.4899	-7.1200	-16.9450	-18.9920	-26.0127	-24.7996	

18 AR 38

MASS EXCESS -34.7182 +/- 0.0025 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.5912	6.3741	11.9510	15.7841	15.3381	6.2463	17.1832	21.2497	15.5308
			0.0065	0.0036	0.0028	0.0043	0.0047	0.0043	0.0066	0.0041	0.0043
GAMMA	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50	
		-22.2380	-33.8033	-33.5333	-35.5524	-35.1250	-38.5397	-37.8130	-41.0606	-50.2490	
		-11.8387	-6.7146	4.1496	5.6936	6.9893	-5.2399	7.4728	9.9307	2.6004	
		0.0028	0.0103	0.0036	0.0028	0.0041	0.0047	0.0085	0.0066	0.0113	
N	AR 37	AR 38	K 38	K 39	K 40	CA 40	CA 41	SC 43	SC 44	CR 49	
		-30.9509	-28.7860	-33.8033	-33.5333	-34.8476	-35.1250	-36.1740	-37.8130	-45.3900	
		-10.2424	-4.1328	4.3667	7.9811	6.4574	-4.0300	10.4771	14.3597	5.9493	
		0.0027	0.0084	0.0065	0.0026	0.0028	0.0043	0.0048	0.0049	0.0033	
P	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49	
		-31.7648	-29.8030	-33.2380	-35.0383	-33.5333	-35.5524	-38.3959	-41.4596	-47.9565	
		-18.3345	-8.0179	-9.6142	0.3338	0.8805	-11.8961	4.7740	5.4491	-3.3841	
		0.0048	0.0027	0.0028	0.0065	0.0036	0.0028	0.0044	0.0048	0.0042	
D	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48	
		-29.5196	-31.7648	-30.9509	-33.2380	-33.8033	-33.5333	-38.5397	-38.3959	-44.4700	
		-20.6537	-12.0771	-12.1476	-5.5813	-5.9508	-13.4401	-0.4548	3.7789	-7.6581	
		0.0028	0.0048	0.0034	0.0028	0.0103	0.0036	0.0048	0.0044	0.0084	
T	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47	
		-29.0145	-29.5196	-30.2316	-30.9509	-28.7860	-33.8033	-35.1250	-38.5397	-42.0100	
		-20.8024	-10.9231	-12.8410	-4.7488	-4.8966	-13.9868	-0.0087	0.2738	-4.7229	
		0.0028	0.0084	0.0048	0.0027	0.0084	0.0065	0.0044	0.0123	0.0035	
HE3	S 35	S 36	CL 36	CL 37	CL 38	AR 38	AR 39	K 41	K 42	TI 47	
		-28.8471	-30.6550	-29.5196	-31.7648	-29.8030	-33.2380	-35.5524	-35.0160	-44.9266	
		-7.2095	-0.2244	-0.8395	5.5126	9.5718	8.7393	10.4787	13.3168	6.9797	
		0.0037	0.0028	0.0028	0.0048	0.0028	0.0029	0.0030	0.0045	0.0034	
HE4	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46	
		-29.9335	-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-33.5333	-35.5524	-44.1226	
		-26.3037	-17.6624	-24.0134	-14.7295	-8.3520	-14.3341	-19.6600	-9.4420	-3.6058	-14.6584
		0.0048	0.0055	0.0129	0.0076	0.0049	0.0167	0.0053	0.0111	0.0055	0.0129
HE6	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38	K 39	TI 44	
		-26.0127	-26.5826	-21.0140	-24.4510	-29.0145	-23.0510	-30.2316	-28.7860	-33.8033	-37.6580
		-24.5039	-14.4006	-14.9350	-5.7372	-5.0095	-4.8608	-16.8622	-0.6613	-10.9936	
		0.0034	0.0044	0.0039	0.0038	0.0030	0.0030	0.0049	0.0067	0.0066	
LI6	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44	
		-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.0145	-29.5196	-33.2380	-37.8130	

18 Ar 38

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
	-25.1879	-17.2514	-16.3238	-9.9070	-4.7420	-10.2432	-18.1862	-4.5862		-13.4515
	0.0031	0.0034	0.0029	0.0039	0.0038	0.0066	0.0030	0.0032		0.0085
LI7	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
	-24.4376	-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-29.0145	-30.9509		-36.1740
	-35.4674	-23.1554	-29.3834	-16.5158	-14.1318	-19.7191	-28.7886	-11.3444	-9.8062	-23.5554
	0.0076	0.0032	0.0114	0.0031	0.0040	0.0124	0.0067	0.0039	0.0034	0.0049
LI8	P 30	P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37	SC 42
	-20.1970	-24.4376	-18.9920	-26.0127	-26.5826	-21.0140	-24.4510	-30.2316	-30.9509	-32.1090
	-42.7382	-31.4148	-38.4372	-27.5553	-18.7206	-31.9419	-36.2444	-22.5438	-14.5443	-31.0532
	0.0210	0.0213	0.0321	0.0230	0.0202	0.3805	0.0235	0.0258	0.0203	0.0230
LI9	P 29	P 30	S 30	S 31	S 32	CL 32	CL 33	AR 35	AR 36	SC 41
	-16.9450	-20.1970	-13.9570	-18.9920	-26.0127	-12.8100	-21.0140	-23.0510	-30.2316	-28.6300
	-27.5251	-18.3257	-18.8954	-11.0166	-10.7071	-5.6223	-19.2152	-4.6339	-5.7768	-12.0912
	0.0057	0.0075	0.0034	0.0044	0.2000	0.0038	0.0030	0.0031	0.0085	0.0048
BE7	SI 31	SI 32	P 32	P 33	P 34	S 34	S 35	CL 37	CL 38	CA 43
	-22.9620	-24.0900	-24.3027	-26.3346	-24.8300	-29.9335	-28.8471	-31.7648	-29.8030	-38.3959
	-24.1751	-13.5579	-18.5827	-8.4952	-6.8161	-5.1247	-17.0613	-2.9658	-1.6418	-10.9437
	0.0046	0.0046	0.0075	0.0030	0.0034	0.0028	0.0039	0.0031	0.0050	0.0048
BE9	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41
	-21.8936	-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.0145	-29.5196	-35.1250
	-25.8353	-17.3602	-23.0912	-13.9923	-7.9376	-13.4019	-18.8877	-8.7858	-3.4034	-12.4776
	0.0044	0.0050	0.0069	0.0078	0.0036	0.0115	0.0035	0.0069	0.0037	0.0046
BE10	SI 28	SI 29	P 29	P 30	P 31	S 31	S 32	CL 34	CL 35	CA 40
	-21.4899	-21.8936	-16.9450	-20.1970	-24.4376	-18.9920	-26.0127	-24.4510	-29.0145	-34.8476
	-40.4913		-27.3903	-20.4154		-16.3754	-30.3865	-12.8979	-15.7340	-22.6253
	G.2500	MASS	0.0058	0.0076	MASS	0.0045	0.2000	0.0086	0.0701	0.0123
B8	AL 30	AL 31	SI 31	SI 32	SI 33	P 33	P 34	S 36	S 37	K 42
	-17.1500	UNKNOWN	-22.9620	-24.0900	UNKNOWN	-26.3346	-24.8300	-30.6550	-27.0000	-35.0160
	-29.9150	-20.4810	-17.5878	-9.1951	-8.8585	-7.4015	-20.0429	-2.7485	-3.0160	-13.2371
	0.0045	0.0065	0.0045	0.0045	0.0056	0.0029	0.0033	0.0039	0.0030	0.0028
B10	AL 28	AL 29	SI 29	SI 30	SI 31	P 31	P 32	S 34	S 35	K 40
	-16.8554	-18.2180	-21.8936	-24.4394	-22.9620	-24.4376	-24.3027	-29.9335	-28.8471	-33.5333
	-26.1898	-18.4590	-14.6070	-8.3564	-3.9965	-8.2575	-16.5235	-2.7149	1.4549	-9.5826
	0.0031	0.0045	0.0038	0.0045	0.0045	0.0074	0.0029	0.0039	0.0039	0.0036
B11	AL 27	AL 28	SI 28	SI 29	SI 30	P 30	P 31	S 33	S 34	K 39
	-17.1961	-16.8554	-21.4899	-21.8936	-24.4394	-20.1970	-24.4376	-26.5826	-29.9335	-33.8033

18 AR 40

MASS EXCESS -35.0383 +/- 0.0008 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
		6.1005	7.8031	13.1136	16.4906	18.2889	8.8461	20.8058	24.1953	20.3724
		0.0050	0.0036	0.0120	0.0110	0.0040	0.0042	0.0039	0.0035	0.0031
GAMMA	AR 40	AR 41	K 41	K 42	K 43	CA 43	CA 44	SC 46	SC 47	CR 52
		-33.0674	-35.5524	-35.0160	-36.5790	-38.3959	-41.4596	-41.7557	-44.3263	-55.4107
		-9.8717	-2.2874	5.5786	6.8562	10.3613	-2.2891	12.0393	13.5533	8.3375
		0.0061	0.0014	0.0036	0.0120	0.0036	0.0040	0.0034	0.0039	0.0027
N	AR 39	AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51
		-33.2380	-33.5333	-35.5524	-35.0160	-38.5397	-38.3959	-41.0606	-41.7557	-51.4472
		-12.5273	-6.7558	3.8760	7.0427	7.6200	-3.3235	12.5696	15.7180	9.8716
		0.0180	0.5000	0.0050	0.0400	0.0120	0.0110	0.0038	0.0091	0.0025
P	CL 39	CL 40	AR 40	AR 41	AR 42	K 42	K 43	CA 45	CA 46	V 51
		-29.8000	-27.5000	-33.0674	-34.4200	-35.0160	-36.5790	-40.8085	-43.1380	-52.1989
		-18.3712	-10.3028	-7.6472	-0.1569	2.3095	-10.7335	7.3738	7.5416	1.0416
		0.0080	0.0180	0.0061	0.0050	0.0036	0.0120	0.0043	0.0039	0.0033
D	CL 38	CL 39	AR 39	AR 40	AR 41	K 41	K 42	CA 44	CA 45	V 50
		-29.8030	-29.8000	-33.2380	-33.0674	-35.5524	-35.0160	-41.4596	-40.8085	-49.2158
		-18.2234	-12.1138	-7.9811	-3.6143	-1.5236	-12.0111	2.4960	6.3787	-2.0317
		0.0014	0.0080	0.0026	0.0061	0.0015	0.0036	0.0041	0.0043	0.0024
T	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49
		-21.7648	-29.8030	-34.7182	-33.2380	-33.5333	-35.5524	-38.3959	-41.4596	-47.9565
		-22.9696	-15.0982	-12.8776	-7.0337	-7.5197	-14.4775	0.6978	1.1477	-1.4119
		0.0700	0.1500	0.0080	0.0180	0.5000	0.0050	0.0111	0.2000	0.0022
HE3	S 37	S 38	CL 38	CL 39	CL 40	AR 40	AR 41	K 43	K 44	TI 49
		-27.0000	-26.8000	-29.8030	-29.8000	-27.5000	-33.0674	-36.5790	-36.2100	-48.5577
		-6.8080	-2.3916	1.5907	5.4759	7.2869	10.7063	11.6414	14.0233	11.0201
		0.0080	0.0700	0.0014	0.0081	0.0180	0.0061	0.0121	0.0111	0.0022
HE4	S 36	S 37	CL 37	CL 38	CL 39	AR 39	AR 40	K 42	K 43	TI 48
		-30.6550	-27.0000	-31.7648	-29.8030	-29.8000	-33.2380	-35.0160	-36.5790	-48.4831
		-22.7030	-15.7180	-16.3330	-9.9810	-5.9218	-6.7543	-15.4935	-5.0148	-2.1768
		0.0049	0.0043	0.0043	0.0058	0.0042	0.0043	0.0048	0.0044	0.0055
HE6	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
		-29.9335	-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-34.7182	-33.5333	-35.5524
		-24.2967	-12.9906	-5.3358	-7.1767	-2.4306	-16.8989	-1.1520	-7.3710	
		0.2000	MASS	0.0018	0.0081	0.0700	0.0018	0.0081	0.0052	0.0039
LI6	P 34	P 35	S 35	S 36	S 37	CL 37	CL 38	AR 40	AR 41	SC 46
		-24.8300	UNKNOWN	-28.8471	-30.6550	-27.0000	-31.7648	-29.8030	-33.0674	-41.7557

18 AR 40

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
		-23.6110	-17.0442	-12.7231	-7.9626	-4.3406	-5.4947	-15.7560	-2.6192		-8.8850
		0.0037	0.2000	0.0030	0.0018	0.0081	0.0043	0.0018	0.0062		0.0034
LI7		P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45
		-26.3346	-24.8300	-29.9335	-28.8471	-30.6550	-29.5196	-31.7648	-33.2380		-41.0606
		-31.6818	-21.5785	-22.1129	-12.9151	-12.1874	-12.0387	-24.0401	-7.1779	-7.8392	-18.1715
		0.0027	0.0038	0.0033	0.0032	0.0021	0.0021	0.0045	0.0032	0.0063	0.0062
LI8		P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44
		-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.0145	-29.5196	-34.7182	-33.2380	-37.8130
		-35.5657	-27.6292	-26.7016	-20.2848	-15.1198	-20.6210	-28.5640	-14.9640	-10.3778	-23.8293
		0.0201	0.0201	0.0200	0.0202	0.0202	0.0209	0.0201	0.0201	0.0202	0.0216
LI9		P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
		-24.4376	-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-29.0145	-30.9509	-34.7182	-36.1740
				-18.6882			-5.2209	-21.3824	-6.9188	-8.3999	-9.9987
	MASS	MASS	0.2000	MASS	MASS		0.0081	0.0700	0.0181	0.5000	0.0038
BE7	SI 33	SI 34	P 34	P 35	P 36	S 36	S 37	CL 39	CL 40	CA 45	
	UNKNOWN	UNKNOWN	-24.8300	UNKNOWN	UNKNOWN	-30.6550	-27.0000	-29.8000	-27.5000	-40.8085	
		-23.4268	-14.2274	-14.7971	-6.9183	-6.6089	-1.5240	-15.1169	-0.5356	-1.6785	-7.9929
		0.0051	0.0071	0.0024	0.0036	0.2000	0.0030	0.0017	0.0020	0.0082	0.0041
BE9		SI 31	SI 32	P 32	P 33	P 34	S 34	S 35	CL 37	CL 38	CA 43
		-22.9620	-24.0900	-24.3027	-26.3346	-24.8300	-29.9335	-28.8471	-31.7648	-29.8030	-38.3959
		-23.2059	-16.6119	-15.9187	-10.2067	-6.3607	-6.1314	-15.2870	-4.0373	-0.9732	-9.1056
		0.0044	0.0055	0.0027	0.0031	0.0041	0.0037	0.0036	0.0048	0.0028	0.0042
BE10		SI 30	SI 31	P 31	P 32	P 33	S 33	S 34	CL 36	CL 37	CA 42
		-24.4394	-22.9620	-24.4376	-24.3027	-26.3346	-26.5826	-29.9335	-29.5196	-31.7648	-38.5397
									-17.0730		-21.7514
	MASS	MASS	MASS	MASS	MASS	MASS	MASS	MASS	0.1500	MASS	0.2000
B8	AL 32	AL 33	SI 33	SI 34	SI 35	SI 35	P 35	P 36	S 38	S 39	K 44
	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	-26.8000	UNKNOWN	-36.2100
		-29.9405		-16.8395	-9.8646		-5.8246	-19.8357	-2.3471	-5.1832	-12.0745
		0.2500	MASS	0.0051	0.0071	MASS	0.0035	0.2000	0.0081	0.0700	0.0120
B10		AL 30	AL 31	SI 31	SI 32	SI 33	P 33	P 34	S 36	S 37	K 42
		-17.1500	UNKNOWN	-22.9620	-24.0900	UNKNOWN	-26.3346	-24.8300	-30.6550	-27.0000	-35.0160
		-25.4880	-18.4845	-11.9776	-7.6081	-4.6660	-4.4719	-14.9466	-0.7705	1.8563	-8.1536
		0.0061	0.2500	0.0038	0.0051	0.0071	0.0023	0.0035	0.0018	0.0081	0.0036
B11		AL 29	AL 30	SI 30	SI 31	SI 32	P 32	P 33	S 35	S 36	K 41
		-18.2180	-17.1500	-24.4394	-22.9620	-24.0900	-24.3027	-26.3346	-28.8471	-30.6550	-35.5524

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18 AF 40

19 K 39

MASS EXCESS -33.8033 +/- 0.0026 MEV

19 K 39

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING			7.8014	8.3333	14.4576	19.6864	13.2370	4.7954	19.2871	25.2266	14.4567
GAMMA	K 39	0.0029	0.0041	0.0048	0.0044	0.0048	0.0048	0.0084	0.0056	0.0036	0.0501
	K 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51		
		-33.5333	-34.8476	-35.1250	-38.5397	-32.1090	-36.1740	-39.0020	-44.1226	-48.2600	
N	K 38		-7.2857	6.1088	8.2002	1.6866	-7.3410	9.8717	12.0346	0.7433	
	K 39	0.0231	0.0041	0.0048	0.0113	0.0048	0.0123	0.0056	0.0056	0.0056	
	K 39	CA 39	CA 40	CA 41	SC 41	SC 42	TI 44	TI 45	MN 50		
		-27.3000	-34.8476	-35.1250	-28.6300	-32.1090	-37.6580	-39.0020	-42.6180		
P	AR 38			5.5769	9.4101	8.9641	-0.1278	10.8091	14.8756	9.1567	
	AR 39	0.2172		0.0029	0.0044	0.0048	0.0044	0.0066	0.0042	0.0044	
	K 39	0.0065		K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50	
		-34.7182	-33.2380	-33.5333	-35.5524	-35.1250	-38.5397	-37.8130	-41.0606	-50.2490	
D	AR 37				1.5440	2.8397	-9.3895	3.3232	5.7811	-1.5492	
	AR 38	-4.1496	-10.8642	0.0029	0.0029	0.0041	0.0048	0.0085	0.0066	0.0113	
	K 38	0.0036	0.0103	K 39	K 40	CA 40	CA 41	SC 43	SC 44	CR 49	
		-30.9509	-34.7182	-28.7860	-33.5333	-34.8476	-35.1250	-36.1740	-37.8130	-45.3900	
T	AR 36										
	AR 37	-18.5216	-9.7309	-16.6647	-6.8313	-6.5219	-11.4809	-2.5558	2.3281	-5.6832	
	K 37	0.0035	0.0029	0.0311	0.0103	0.0231	0.0041	0.0049	0.0085	0.2000	
	K 39	AR 36	AR 37	K 37	K 38	CA 39	CA 40	SC 42	SC 43	CR 48	
		-30.2316	-30.9509	-24.7996	-28.7860	-27.3000	-34.8476	-32.1090	-36.1740	-43.0700	
HE3	CL 36										
	CL 37	-19.2150	-8.8984	-10.4947	-0.8805	-0.5467	-12.7766	3.8935	4.5686	-4.2646	
	AR 37	0.0049	0.0028	0.0029	0.0036	0.0065	0.0029	0.0045	0.0048	0.0043	
	K 39	CL 36	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48	
		-29.5196	-31.7648	-30.9509	-34.7182	-33.2380	-33.5333	-38.5397	-38.3959	-44.4700	
HE4	CL 35										
	CL 36	-7.2135	1.3630	1.2925	7.8588	13.4401	7.4893	12.9854	17.2190	5.7820	
	AR 36	0.0029	0.0049	0.0035	0.0029	0.0036	0.0103	0.0049	0.0045	0.0084	
	K 39	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47	
		-29.0145	-29.5196	-30.2316	-30.9509	-34.7182	-28.7860	-35.1250	-38.5397	-42.0100	
HE6	CL 33										
	CL 34	-30.3875	-18.8791	-26.0625	-15.2146	-6.2199	-19.7402	-24.1772	-10.0131	-1.6466	
	AR 34	0.0129	0.0077	1.0000	0.0167	0.0053	1.0000	0.0314	0.0235	0.0058	MASS
	K 39	CL 33	CL 34	AR 34	AR 35	AR 36	K 36	K 37	CA 39	CA 40	V 45
		-21.0140	-24.4510	-18.0500	-23.0510	-30.2316	-16.7300	-24.7996	-27.3000	-34.8476	UNKNOWN
LI6	S 33										
	S 34	-21.3091	-9.8868	-16.1517	-5.7413	-3.4221	-2.7288	-14.5160		0.5489	-8.8897
	CL 34	0.0040	0.0039	0.0066	0.0031	0.0050	0.0036	0.0031	0.0033	0.0056	
	K 39	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 40	TI 45	
		-26.5826	-29.9335	-24.4510	-29.0145	-29.5196	-30.2316	-30.9509	-33.5333	-39.0020	

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
	OUTGOING										
	-22.6979	-14.0566	-20.4076	-11.1237	-4.7461	-10.7283	-16.0542	-5.8362			-11.0526
	0.0030	0.0040	0.0123	0.0066	0.0031	0.0162	0.0037	0.0104			0.0123
LI7	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38		K 39	TI 44
	-26.0127	-26.5826	-21.0140	-24.4510	-29.0145	-23.0510	-30.2316	-28.7860			-37.6580
	-35.7575	-20.6654	-34.6505	-20.5996	-15.3485	-21.7682	-29.2737	-15.8615	-11.0562		-25.4095
	0.0114	0.0031	0.3800	0.0124	0.0067	1.0000	0.0163	0.0312	0.0105		0.1500
LI8	S 31	S 32	CL 32	CL 33	CL 34	AR 34	AR 35	K 37	K 38		TI 43
	-18.9920	-26.0127	-12.8100	-21.0140	-24.4510	-18.0500	-23.0510	-24.7996	-28.7860		-29.3400
	-44.8113	-31.7049		-32.8224	-22.8043	-34.2370	-38.2935	-27.9499	-19.0614		-35.3903
	0.0321	0.0230	MASS	0.3805	0.0235	0.2010	1.0002	1.0002	0.0370		0.0251
LI9	S 30	S 31	CL 31	CL 32	CL 33	AR 33	AR 34	K 36	K 37		TI 42
	-13.9570	-18.9920	UNKNOWN	-12.8100	-21.0140	-9.6000	-18.0500	-16.7300	-24.7996		-23.3780
	-25.2695	-15.1662	-15.7006	-6.5028	-5.7751	-5.6264	-17.6278	-0.7656	-1.4269		-11.7592
	0.0035	0.0044	0.0040	0.0039	0.0031	0.0031	0.0050	0.0039	0.0067		0.0066
BE7	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39		SC 44
	-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.0145	-29.5196	-34.7182	-33.2380		-37.8130
	-24.9568	-12.6448	-18.8728	-6.0052	-3.6212	-9.2085	-18.2780	-0.8338	0.7044		-13.0448
	0.0075	0.0031	0.0113	0.0029	0.0039	0.0123	0.0066	0.0038	0.0032		0.0049
BE9	P 30	P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37		SC 42
	-20.1970	-24.4376	-18.9920	-26.0127	-26.5826	-21.0140	-24.4510	-30.2316	-30.9509		-32.1090
	-29.4653	-18.1419	-25.1643	-14.2824	-5.4476	-18.6690	-22.9715	-9.2709	-1.2714		-17.7803
	0.0069	0.0078	0.0252	0.0115	0.0035	0.3800	0.0125	0.0164	0.0043		0.0115
BE10	P 29	P 30	S 30	S 31	S 32	CL 32	CL 33	AR 35	AR 36		SC 41
	-16.9450	-20.1970	-13.9570	-18.9920	-26.0127	-12.8100	-21.0140	-23.0510	-30.2316		-28.6300
	-33.7644	-24.5650	-25.1347	-17.2559	-16.9464	-11.8616	-25.4545	-10.8732	-12.0161		-18.3305
	0.0058	0.0076	0.0037	0.0045	0.2000	0.0040	0.0033	0.0034	0.0086		0.0049
B8	SI 31	SI 32	P 32	P 33	P 34	S 34	S 35	CL 37	CL 38		CA 43
	-22.9620	-24.0900	-24.3027	-26.3346	-24.8300	-29.9335	-28.8471	-31.7648	-29.8030		-38.3959
	-23.9619	-13.3447	-18.3695	-8.2820	-6.6028	-4.9115	-16.8481	-2.7526	-1.4286		-10.7305
	0.0045	0.0046	0.0075	0.0030	0.0034	0.0028	0.0039	0.0031	0.0050		0.0048
B10	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36		CA 41
	-21.8936	-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.0145	-29.5196		-35.1250
	-20.9811	-12.5059	-18.2370	-9.1381	-3.0834	-8.5476	-14.0335	-3.9316	1.4508		-7.6234
	0.0038	0.0045	0.0065	0.0075	0.0030	0.0113	0.0028	0.0066	0.0031		0.0041
B11	SI 28	SI 29	P 29	P 30	P 31	S 31	S 32	CL 34	CL 35		CA 40
	-21.4899	-21.8936	-16.9450	-20.1970	-24.4376	-18.9920	-26.0127	-24.4510	-29.0145		-34.8476

19 K 40

MASS EXCESS -33.5333 +/- 0.0012 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2

OUTGOING		10.0905	8.8807	18.1423	19.8125	17.5720	6.7045	24.6777	26.3006	17.1687
GAMMA	K 40	0.0037	0.0042	0.0037	0.0041	0.0081	0.0061	0.0028	0.0030	0.0061
	K 41	CA 41	CA 42	CA 43	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52
		-35.5524	-35.1250	-38.5397	-38.3959	-36.1740	-37.8130	-44.1226	-44.9266	-50.7020
N	K 39	K 40	0.5319	6.6562	11.8849	5.4356	-3.0060	11.4857	17.4252	6.6553
			0.0034	0.0042	0.0037	0.0042	0.0081	0.0051	0.0028	0.0500
	K 39	CA 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51
			-34.8476	-35.1250	-38.5397	-32.1090	-36.1740	-39.0020	-44.1226	-48.2600
P	AR 39	AR 40	K 40	7.8660	9.1437	12.6488	-0.0016	14.3267	15.8407	10.6249
				0.0037	0.0121	0.0037	0.0041	0.0035	0.0040	0.0029
	AR 39	AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51
				-35.5524	-35.0160	-38.5397	-38.3959	-41.0606	-41.7557	-51.4472
D	AR 38	AR 39	K 39	3.8331	3.3871	3.3871	-5.7048	5.2322	9.2987	3.5798
				0.0028	0.0037	0.0042	0.0037	0.0062	0.0035	0.0037
	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50
				-35.5524	-35.1250	-38.5397	-37.8130	-41.0606	-50.2490	
T	AR 37	AR 38	K 38	1.2957	1.2299	1.2957	-10.9335	1.7792	4.2371	-3.0932
				0.0018	0.0028	0.0034	0.0042	0.0082	0.0062	0.0111
	AR 37	AR 38	K 38	K 39	K 40	CA 40	CA 41	SC 43	SC 44	CR 49
				-33.8033	-33.8033	-34.8476	-35.1250	-36.1740	-37.8130	-45.3900
HE3	CL 37	CL 38	AR 38	1.5236	1.5236	1.5236	-10.4875	4.0197	7.9023	-0.5081
				0.0016	0.0081	0.0015	0.0037	0.0042	0.0044	0.0025
	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49
				-33.2380	-35.0383	-35.5524	-35.5524	-38.3959	-41.4596	-47.9565
HE4	CL 36	CL 37	AR 37	6.4384	2.2818	11.8961	12.2299	12.7766	16.6701	8.5120
				0.0043	0.0017	0.0018	0.0028	0.0061	0.0029	0.0036
	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
				-29.5196	-31.7648	-30.9509	-34.7182	-33.2380	-38.5397	-38.3959
HE6	CL 34	CL 35	AR 35	-26.6805	-14.0456	-20.7915	-7.7640	-5.2306	-11.4006	-19.9207
				0.0073	0.0043	0.0165	0.0048	0.0044	0.0313	0.0108
	CL 34	CL 35	AR 35	AR 36	AR 37	K 37	K 38	CA 40	CA 41	V 46
				-24.4510	-29.0145	-23.0510	-30.2316	-30.9509	-24.7996	-28.7860
LI6	S 34	S 35	CL 35	-17.6882	-10.7032	-11.3182	-4.9662	-0.9069	-1.7395	-10.4787
				0.0032	0.0020	0.0020	0.0044	0.0020	0.0021	0.0030
	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
				-29.9335	-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-34.7182

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-21.8580	-10.4357	-16.7006	-6.2902	-3.9710	-3.2777	-15.0649	-0.5489		-9.4386
	0.0032	0.0032	0.0062	0.0020	0.0044	0.0028	0.0021	0.0033		0.0051
LI7	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45
	-26.5826	-29.9335	-24.4510	-29.0145	-29.5196	-30.2316	-30.9509	-33.8033		-39.0020
	-28.4668	-19.8255	-26.1765	-16.8926	-10.5150	-16.4972	-21.8231	-11.6051	-5.7689	-16.8215
	0.0021	0.0034	0.0122	0.0063	0.0023	0.0161	0.0030	0.0102	0.0034	0.0122
LI8	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38	K 39	TI 44
	-26.0127	-26.5826	-21.0140	-24.4510	-29.0145	-23.0510	-30.2316	-28.7860	-33.8033	-37.6580
	-39.5063	-24.4142	-38.3993	-24.3484	-19.0973	-25.5170	-33.0225	-19.6103	-14.8050	-29.1583
	0.0229	0.0201	0.3805	0.0234	0.0209	1.0002	0.0256	0.0369	0.0224	0.1513
LI9	S 31	S 32	CL 32	CL 33	CL 34	AR 34	AR 35	K 37	K 38	TI 43
	-18.9920	-26.0127	-12.8100	-21.0140	-24.4510	-18.0500	-23.0510	-24.7996	-28.7860	-29.3400
	-22.9676	-16.4008	-12.0797	-7.3192	-3.6972	-4.8513	-15.1126	-1.9758	0.6434	-8.2416
	0.0038	0.2000	0.0032	0.0020	0.0082	0.0044	0.0020	0.0063	0.0021	0.0035
BE7	P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45
	-26.3346	-24.8300	-29.9335	-28.8471	-30.6550	-29.5196	-31.7648	-33.2380	-35.0383	-41.0606
	-20.4462	-12.5097	-11.5821	-5.1653	-0.0003	-5.5015	-13.4445	0.1555	4.7417	-8.7098
	0.0021	0.0026	0.0018	0.0032	0.0031	0.0062	0.0020	0.0023	0.0031	0.0081
BE9	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
	-24.4376	-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-29.0145	-30.9509	-34.7182	-36.1740
	-25.9433	-13.6313	-19.8593	-6.9917	-4.6077	-10.1950	-19.2645	-1.8203	-0.2821	-14.0313
	0.0074	0.0029	0.0113	0.0027	0.0038	0.0123	0.0065	0.0036	0.0030	0.0047
BE10	P 30	P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37	SC 42
	-20.1970	-24.4376	-18.9920	-26.0127	-26.5826	-21.0140	-24.4510	-30.2316	-30.9509	-32.1090
	-32.3664		-22.8328	-18.4905		-12.6780	-23.3766	-12.5650	-11.7491	-14.9968
	0.0073	MASS	0.0039	0.2000	MASS	0.0023	0.0082	0.0083	0.0181	0.0045
BE8	SI 32	SI 33	P 33	P 34	P 35	S 35	S 36	CL 38	CL 39	CA 44
	-24.0900	UNKNOWN	-26.3346	-24.8300	UNKNOWN	-28.8471	-30.6550	-29.8030	-29.8000	-41.4596
	-21.1461	-14.5521	-13.8589	-8.1469	-4.3009	-4.0716	-13.2272	-1.9775	1.0866	-7.0458
	0.0039	0.0052	0.0019	0.0025	0.0036	0.0031	0.0030	0.0044	0.0020	0.0037
BE10	SI 30	SI 31	P 31	P 32	P 33	S 33	S 34	CL 36	CL 37	CA 42
	-24.4394	-22.9620	-24.4376	-24.3027	-26.3346	-26.5826	-29.9335	-29.5196	-31.7648	-38.5397
	-20.3074	-9.6901	-14.7150	-4.6275	-2.9483	-1.2569	-13.1936	0.9019	2.2259	-7.0760
	0.0039	0.0039	0.0071	0.0019	0.0024	0.0015	0.0031	0.0020	0.0044	0.0042
BE11	SI 29	SI 30	P 30	P 31	P 32	S 32	S 33	CL 35	CL 36	CA 41
	-21.8936	-24.4394	-20.1970	-24.4376	-24.3027	-26.0127	-26.5826	-29.0145	-29.5196	-35.1250

19 K 41

MASS EXCESS -35.5524 +/- 0.0035 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			7.5350	10.2763	15.9794	20.8571	17.1919	7.9330	23.4626	27.8380	19.1304
			0.0125	0.0050	0.0052	0.0054	0.0069	0.0047	0.0044	0.0042	0.0049
GAMMA	K 41	K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53	
		-35.0160	-38.5397	-38.3959	-41.4596	-37.8130	-41.0606	-44.9266	-48.4831	-54.6828	
		-10.0905	-1.2098	8.0518	9.7220	7.4815	-3.3861	14.5872	16.2101	7.0782	
		0.0037	0.0053	0.0050	0.0052	0.0087	0.0070	0.0043	0.0044	0.0069	
N	K 40	K 41	CA 41	CA 42	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52	
		-33.5333	-35.1250	-38.5397	-38.3959	-36.1740	-37.8130	-44.1226	-44.9266	-50.7020	
		-7.8031	-1.7025	5.3105	8.6876	10.4858	1.0430	13.0027	16.3922	12.5693	
		0.0036	0.0060	0.0125	0.0115	0.0052	0.0054	0.0052	0.0049	0.0046	
P	AR 40	AR 41	K 41	K 42	K 43	CA 43	CA 44	SC 46	SC 47	CR 52	
		-35.0383	-33.0674	-35.0160	-36.5790	-38.3959	-41.4596	-41.7557	-44.3263	-55.4107	
		-15.4503	-5.5786	-7.8660	1.2776	4.7827	-7.8677	6.4607	7.9747	2.7589	
		0.0069	0.0036	0.0037	0.0125	0.0050	0.0053	0.0048	0.0052	0.0044	
D	AR 39	AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51	
		-33.2380	-35.0383	-33.5333	-35.0160	-38.5397	-38.3959	-41.0606	-41.7557	-51.4472	
		-15.7841	-9.1929	-9.4101	-3.8331	-0.4460	-9.5379	1.3991	5.4655	-0.2533	
		0.0043	0.0070	0.0044	0.0037	0.0053	0.0050	0.0070	0.0048	0.0050	
T	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50	
		-34.7182	-33.2380	-33.8033	-33.5333	-35.1250	-38.5397	-37.8130	-41.0606	-50.2490	
		-20.6807	-12.6123	-9.9567	-2.3095	-2.4664	-13.0430	5.0643	5.2321	-1.2679	
		0.0087	0.0183	0.0069	0.0036	0.0060	0.0125	0.0055	0.0051	0.0047	
HE3	CL 38	CL 39	AR 39	AR 40	AR 41	K 41	K 42	CA 44	CA 45	V 50	
		-29.8030	-29.8000	-33.2380	-35.0383	-33.0674	-35.0160	-41.4596	-40.8085	-49.2158	
		-6.2123	-0.1027	4.0300	8.3968	12.0111	10.4875	14.5071	18.3898	9.9794	
		0.0037	0.0087	0.0043	0.0070	0.0036	0.0037	0.0054	0.0055	0.0042	
HE4	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49	
		-31.7648	-29.8030	-34.7182	-33.2380	-35.0383	-33.5333	-38.3959	-41.4596	-47.9565	
		-24.1361	-15.5596	-15.6300	-9.0638	-3.4825	-9.4333	-16.9225	-3.9372	0.2964	-11.1406
		0.0054	0.0067	0.0058	0.0055	0.0059	0.0113	0.0059	0.0067	0.0065	0.0096
HE6	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47	
		-29.0145	-29.5196	-30.2316	-30.9509	-34.7182	-28.7860	-33.8033	-35.1250	-38.5397	-42.0100
		-20.7937	-10.9144	-12.8322	-4.7401	-4.8878	0.0087	-13.9780	0.2825	-4.7142	
		0.0039	0.0088	0.0055	0.0038	0.0088	0.0044	0.0070	0.0126	0.0044	
LI6	S 35	S 36	CL 36	CL 37	CL 38	AR 38	AR 39	K 41	K 42	TI 47	
		-28.8471	-30.6550	-29.5196	-31.7648	-29.8030	-34.7182	-33.2380	-35.0160	-44.9266	

19 K 41

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
	-20.5262	-13.5412	-14.1562	-7.8042	-3.7449	-4.5775	-13.3167	-2.8380		-6.3371
	0.0046	0.0039	0.0039	0.0055	0.0038	0.0039	0.0045	0.0040		0.0043
LI7	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
	-29.9335	-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-34.7182	-33.5333		-44.1226
	-29.9160	-18.4937	-24.7586	-14.3482	-12.0290	-11.3357	-23.1229	-8.6069	-8.0580	-17.4966
	0.0047	0.0047	0.0071	0.0040	0.0056	0.0045	0.0040	0.0047	0.0041	0.0061
LI8	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45
	-26.5826	-29.9335	-24.4510	-29.0145	-29.5196	-30.2316	-30.9509	-33.8033	-33.5333	-39.0020
	-34.5047	-25.8634	-32.2144	-22.9305	-16.5530	-22.5351	-27.8610	-17.6430	-11.8068	-22.8594
	0.0203	0.0205	0.0236	0.0212	0.0203	0.0259	0.0204	0.0227	0.0205	0.0236
LI9	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38	K 39	TI 44
	-26.0127	-26.5826	-21.0140	-24.4510	-29.0145	-23.0510	-30.2316	-28.7860	-33.8033	-37.6580
	-26.4913		-15.1852	-7.5304	-9.3713	-4.6252	-19.0935	-2.1946	-3.3466	-9.5656
	0.2000	MASS	0.0039	0.0088	0.0701	0.0038	0.0088	0.0039	0.0062	0.0052
BE7	P 34	P 35	S 35	S 36	S 37	CL 37	CL 38	AR 40	AR 41	SC 46
	-24.8300	UNKNOWN	-28.8471	-30.6550	-27.0000	-31.7648	-29.8030	-35.0383	-33.0674	-41.7557
	-22.6002	-12.4969	-13.0313	-3.8335	-3.1058	-2.9571	-14.9585	1.9037	1.2424	-9.0899
	0.0042	0.0050	0.0046	0.0045	0.0038	0.0038	0.0055	0.0045	0.0071	0.0070
BE9	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44
	-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.0145	-29.5196	-34.7182	-33.2380	-37.8130
	-23.7218	-15.7853	-14.8577	-8.4409	-3.2759	-8.7771	-16.7201	-3.1201	1.4661	-11.9854
	0.0044	0.0046	0.0042	0.0050	0.0049	0.0073	0.0043	0.0045	0.0050	0.0090
BE10	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
	-24.4376	-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-29.0145	-30.9509	-34.7182	-36.1740
			-26.3565			-12.8892	-29.0507	-14.5871	-16.0682	-17.6670
	MASS	MASS	0.2000	MASS	MASS	0.0089	0.0701	0.0184	0.5000	0.0052
BB	SI 33	SI 34	P 34	P 35	P 36	S 36	S 37	CL 39	CL 40	CA 45
	UNKNOWN	UNKNOWN	-24.8300	UNKNOWN	UNKNOWN	-30.6550	-27.0000	-29.8000	-27.5000	-40.8085
	-24.6426	-15.4432	-16.0129	-8.1341	-7.8246	-2.7398	-16.3327	-1.7514	-2.8943	-9.2087
	0.0061	0.0078	0.0041	0.0049	0.2000	0.0045	0.0038	0.0039	0.0088	0.0053
B10	SI 31	SI 32	P 32	P 33	P 34	S 34	S 35	CL 37	CL 38	CA 43
	-22.9620	-24.0900	-24.3027	-26.3346	-24.8300	-29.9335	-28.8471	-31.7648	-29.8030	-38.3959
	-19.7807	-13.1866	-12.4935	-6.7815	-2.9355	-2.7061	-11.8618	-0.6121	2.4520	-5.6804
	0.0051	0.0061	0.0038	0.0041	0.0049	0.0045	0.0044	0.0055	0.0038	0.0050
B11	SI 30	SI 31	P 31	P 32	P 33	S 33	S 34	CL 36	CL 37	CA 42
	-24.4394	-22.9620	-24.4376	-24.3027	-26.3346	-26.5826	-29.9335	-29.5196	-31.7648	-38.5397

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MASS EXCESS -34.8476 +/- 0.0032 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			8.3488	1.0714	10.3973	16.2763	9.4237	5.2352	16.3098	22.0697	13.4804
			0.0051	0.0115	0.0051	0.0086	0.1500	0.0124	0.0045	0.0087	0.0134
GAMMA CA 40		CA 41	SC 41	SC 42	SC 43	TI 43	TI 44	V 46	V 47	FE 52	FE 52
		-35.1250	-28.6300	-32.1090	-36.1740	-29.3400	-37.6580	-37.0690	-42.0100	-48.3280	-48.3280
		-15.6190		-15.2500	-1.1531	4.1399	-4.6097	-11.1543		9.0573	
		0.0232		0.0601	0.0115	0.0051	0.0153	0.1500	MASS	0.0045	MASS
N CA 39		CA 40	SC 40	SC 41	SC 42	TI 42	TI 43	V 45	V 46	FE 51	FE 51
		-27.3000	-20.3800	-28.6300	-32.1090	-23.3780	-29.3400	UNKNOWN	-37.0690	UNKNOWN	UNKNOWN
		-8.2333	-0.5318		6.1243	11.3531	4.9038	-3.5378	10.9538	16.8933	6.1234
		0.0041	0.0034		0.0051	0.0047	0.0051	0.0086	0.0059	0.0041	0.0501
P K 39		K 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51	MN 51
		-33.8033	-33.5333		-35.1250	-38.5397	-32.1090	-36.1740	-39.0020	-44.1226	-48.2600
		-19.1975	-6.1088	-13.3945		2.0914	-4.4222	-13.4498	3.7629	5.9258	-5.3655
		0.0105	0.0041	0.0232		0.0051	0.0115	0.0051	0.0125	0.0059	0.0059
D K 38		K 39	CA 39	CA 40	CA 41	SC 41	SC 42	TI 44	TI 45	MN 50	MN 50
		-28.7860	-33.8033	-27.3000		-35.1250	-28.6300	-32.1090	-37.6580	-39.0020	-42.6180
		-24.9979	-12.9401	-20.8186	-9.3616		-14.4862	-18.7428	-6.3691	2.7678	
		0.0312	0.0105	1.0000	0.0232		0.0601	0.0115	0.1500	0.0125	MASS
T K 37		K 38	CA 38	CA 39	CA 40	SC 40	SC 41	TI 43	TI 44	MN 49	MN 49
		-24.7996	-28.7860	-21.6900	-27.3000		-20.3800	-28.6300	-29.3400	-37.6580	UNKNOWN
		-18.8280	-6.9893	-13.7039	-2.8397	-1.2957		-12.2292	0.4835	2.9414	-4.3889
		0.0035	0.0041	0.0105	0.0041	0.0034		0.0051	0.0087	0.0069	0.0115
HE3 AR 37		AR 38	K 38	K 39	K 40	CA 40		CA 41	SC 43	SC 44	CR 49
		-30.9509	-34.7182	-28.7860	-33.8033	-33.5333		-35.1250	-36.1740	-37.8130	-45.3900
		-7.0407	1.7500	-5.1838	4.6496	11.4809	4.9590		8.9251	13.8089	5.7977
		0.0040	0.0035	0.0312	0.0105	0.0041	0.0232		0.0053	0.0087	0.2000
HE4 AR 36		AR 37	K 37	K 38	K 39	CA 39	CA 40		SC 42	SC 43	CR 48
		-30.2316	-30.9509	-24.7996	-28.7860	-33.8033	-27.3000		-32.1090	-36.1740	-43.0700
		-34.3958	-21.3234		-22.5799	-12.6963	-24.2745	-28.3310	-17.9774	-8.9085	
		1.0000	0.0168	MASS	1.0000	0.0314	0.0503	1.0000	0.0602	0.0122	MASS
HE6 AR 34		AR 35	K 35	K 36	K 37	CA 37	CA 38	SC 40	SC 41	SC 41	CR 46
		-18.0500	-23.0510	UNKNOWN	-16.7300	-24.7996	-13.2400	-21.6900	-20.3800	-28.6300	UNKNOWN
		-24.4850	-11.8501	-18.5960	-5.5685	-3.0351	-9.2051	-17.7252		1.0963	-11.8670
		0.0069	0.0036	0.0164	0.0041	0.0036	0.0312	0.0106		0.0054	0.0045
LI6 CL 34		CL 35	AR 35	AR 36	AR 37	K 37	K 38	CA 40	CA 41	V 46	V 46
		-24.4510	-29.0145	-23.0510	-30.2316	-30.9509	-24.7996	-28.7860	-35.1250	-37.0690	-37.0690

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CL2
OUTGOING										
	-28.7409	-17.2325	-24.4159	-13.5680	-4.5733	-18.0936	-22.5305	-8.3665		
	0.0125	0.0069	1.0000	0.0164	0.0041	1.0000	0.0312	0.0233		MASS
L17	CL 33	CL 34	AR 34	AR 35	AR 36	K 36	K 37	CA 39	CA 40	V 45
	-21.0140	-24.4510	-18.0500	-23.0510	-30.2316	-16.7300	-24.7996	-27.3000		UNKNOWN
	-42.9838	-26.7084	-38.9048	-24.6079	-17.7928		-36.6390	-20.0154	-13.5865	
	0.3800	0.0125	0.2000	1.0000	0.0164	MASS	1.0000	1.0000	0.0233	MASS
L18	CL 32	CL 33	AR 33	AR 34	AR 35	K 35	K 36	CA 38	CA 39	V 44
	-12.8100	-21.0140	-9.6000	-18.0500	-23.0510	UNKNOWN	-16.7300	-21.6900	-27.3000	UNKNOWN
		-38.9312		-37.0767	-26.8126			-32.4842	-23.2153	
	MASS	0.3805	MASS	0.2010	1.0002	MASS	MASS	0.0540	1.0002	MASS
L19	CL 31	CL 32	AR 32	AR 33	AR 34	K 34	K 35	CA 37	CA 38	V 43
	UNKNOWN	-12.8100	UNKNOWN	-9.6000	-18.0500	UNKNOWN	UNKNOWN	-13.2400	-21.6900	UNKNOWN
	-24.0339	-12.6116	-18.8765	-8.4661	-6.1469	-5.4536	-17.2408	-2.7248	-2.1759	-11.6145
	0.0044	0.0043	0.0069	0.0036	0.0053	0.0041	0.0036	0.0044	0.0038	0.0059
BE7	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45
	-26.5826	-29.9335	-24.4510	-29.0145	-29.5196	-30.2316	-30.9509	-33.8033	-33.5333	-39.0020
	-27.2061	-12.1140	-26.0991	-12.0482	-6.7971	-13.2168	-20.7223	-7.3101	-2.5048	-16.8581
	0.0115	0.0034	0.3800	0.0125	0.0069	1.0000	0.0163	0.0312	0.0106	0.1500
BE9	S 31	S 32	CL 32	CL 33	CL 34	AR 34	AR 35	K 37	K 38	TI 43
	-18.9920	-26.0127	-12.8100	-21.0140	-24.4510	-18.0500	-23.0510	-24.7996	-28.7860	-29.3400
	-33.4976	-20.3912		-21.5087	-11.4906	-22.9233	-26.9798	-16.6362	-7.7477	-24.0766
	0.0253	0.0117	MASS	0.3800	0.0126	0.2000	1.0000	1.0000	0.0313	0.0155
BE10	S 30	S 31	CL 31	CL 32	CL 33	AR 33	AR 34	K 36	K 37	TI 42
	-13.9570	-18.9920	UNKNOWN	-12.8100	-21.0140	-9.6000	-18.0500	-16.7300	-24.7996	-23.3780
	-33.4680	-23.3647	-23.8991	-14.7013	-13.9736	-13.8249	-25.8263	-8.9641	-9.6254	-19.9577
	0.0041	0.0049	0.0045	0.0044	0.0037	0.0037	0.0054	0.0045	0.0070	0.0070
BE8	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44
	-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.0145	-29.5196	-34.7182	-33.2380	-37.8130
	-26.7028	-14.3908	-20.6188	-7.7512	-5.3672	-10.9545	-20.0240	-2.5798	-1.0416	-14.7908
	0.0077	0.0035	0.0115	0.0034	0.0043	0.0124	0.0068	0.0041	0.0037	0.0051
B10	P 30	P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37	SC 42
	-20.1970	-24.4376	-18.9920	-26.0127	-26.5826	-21.0140	-24.4510	-30.2316	-30.9509	-32.1090
	-26.5703	-15.2468	-22.2693	-11.3874	-2.5526	-15.7739	-20.0765	-6.3759	1.6236	-14.8853
	0.0068	0.0077	0.0252	0.0115	0.0033	0.3800	0.0124	0.0164	0.0041	0.0115
B11	P 29	P 30	S 30	S 31	S 32	CL 32	CL 33	AR 35	AR 36	SC 41
	-16.9450	-20.1970	-13.9570	-18.9920	-26.0127	-12.8100	-21.0140	-23.0510	-30.2316	-28.6300

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MASS EXCESS -35.1250 +/- 0.0040 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		11.4861	4.2730	14.1849	17.6380	17.4643	6.3018	20.9734	24.2523	15.5730
		0.0053	0.0057	0.0089	0.0072	0.0127	0.0063	0.0090	0.0054	0.0452
GAMMA	CA 41	CA 42	SC 42	SC 43	SC 44	TI 44	TI 45	V 47	V 48	FE 53
		-38.5397	-32.1090	-36.1740	-37.8130	-37.6580	-39.0020	-42.0100	-44.4700	-50.6980
		-8.3488	-7.2774	2.0485	7.9275	1.0749	-3.1137	7.9610	13.7209	5.1316
		0.0051	0.0117	0.0057	0.0089	0.1501	0.0127	0.0051	0.0090	0.0136
N	CA 40	CA 41	SC 41	SC 42	SC 43	TI 43	TI 44	V 46	V 47	FE 52
		-34.8476	-28.6300	-32.1090	-36.1740	-29.3400	-37.6580	-37.0690	-42.0100	-48.3280
		-8.8807	1.2099	9.2616	10.9319	8.6913	-2.1762	15.7970	17.4199	8.2880
		0.0042	0.0053	0.0053	0.0056	0.0089	0.0072	0.0047	0.0048	0.0072
P	K 40	K 41	CA 41	CA 42	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52
		-33.5333	-35.5524	-38.5397	-38.3959	-36.1740	-37.8130	-44.1226	-44.9266	-50.7020
		-14.4576	-6.6562	-6.1243	5.2287	-1.2206	-9.6622	4.8295	10.7690	-0.0009
		0.0048	0.0042	0.0051	0.0053	0.0057	0.0090	0.0063	0.0047	0.0502
D	K 39	K 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51
		-33.8033	-33.5333	-34.8476	-38.5397	-32.1090	-36.1740	-39.0020	-44.1226	-48.2600
		-21.2889	-8.2002	-15.4860	-2.0914	-6.5136	-15.5412	1.6715	3.8344	-7.4569
		0.0108	0.0048	0.0233	0.0051	0.0117	0.0057	0.0127	0.0063	0.0064
T	K 38	K 39	CA 39	CA 40	CA 41	SC 41	SC 42	TI 44	TI 45	MN 50
		-28.7860	-33.8033	-27.3000	-34.8476	-28.6300	-32.1090	-37.6580	-39.0020	-42.6180
		-15.3381	-8.7469	-8.9640	-3.3871	0.4460	-9.0919	1.8451	5.9116	0.1927
		0.0047	0.0072	0.0048	0.0042	0.0053	0.0053	0.0073	0.0052	0.0053
HE3	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50
		-34.7182	-33.2380	-33.8033	-33.5333	-35.5524	-38.5397	-37.8130	-41.0606	-50.2490
		-6.5988	5.2399	-1.4748	9.3895	10.9335	12.2292	12.7127	15.1706	7.8403
		0.0042	0.0047	0.0108	0.0048	0.0042	0.0051	0.0090	0.0073	0.0117
HE4	AR 37	AR 38	K 38	K 39	K 40	CA 40	CA 41	SC 43	SC 44	CR 49
		-30.9509	-34.7182	-28.7860	-33.8033	-33.5333	-34.8476	-36.1740	-37.8130	-45.3900
		-29.6722	-14.4202	-28.7042	-14.7877	-8.9873	-16.1019	-22.9984	-10.0048	-5.7069
		0.0170	0.0061	1.0000	0.0315	0.0115	1.0000	0.0237	0.0124	0.0070
HE6	AR 35	AR 36	K 36	K 37	K 38	CA 38	CA 39	SC 41	SC 42	CR 47
		-23.0510	-30.2316	-16.7300	-24.7996	-28.7860	-21.6900	-27.3000	-28.6300	-32.1090
		-20.1989	-11.6224	-11.6928	-5.1266	0.4548	-5.4961	-12.9853	4.2336	-7.2034
		0.0043	0.0058	0.0047	0.0043	0.0048	0.0108	0.0049	0.0055	0.0090
LI6	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47
		-29.0145	-29.5196	-30.2316	-30.9509	-34.7182	-28.7860	-33.8033	-38.5397	-42.0100

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-25.5813	-12.9464	-19.6923	-6.6648	-4.1314	-10.3014	-18.8215	-1.0963		-12.9633
	0.0073	0.0043	0.0165	0.0047	0.0044	0.0313	0.0108	0.0054		0.0051
LI7	CL 34	CL 35	AR 35	AR 36	AR 37	K 37	K 38	CA 40	CA 41	V 46
	-24.4510	-29.0145	-23.0510	-30.2316	-30.9509	-24.7996	-28.7860	-34.8476		-37.0690
	-35.0572	-23.5488	-30.7322	-19.8843	-10.8896	-24.4099	-28.8468	-14.6828	-6.3163	
	0.0127	0.0074	1.0000	0.0166	0.0049	1.0000	0.0313	0.0234	0.0054	MASS
LI8	CL 33	CL 34	AR 34	AR 35	AR 36	K 36	K 37	CA 39	CA 40	V 45
	-21.0140	-24.4510	-18.0500	-23.0510	-30.2316	-16.7300	-24.7996	-27.3000	-34.8476	UNKNOWN
	-47.2800	-31.0046	-43.2010	-28.9041	-22.0890		-40.9352	-24.3116	-17.8827	
	0.3805	0.0237	0.2010	1.0002	0.0259	MASS	1.0002	1.0002	0.0308	MASS
LI9	CL 32	CL 33	AR 33	AR 34	AR 35	K 35	K 36	CA 38	CA 39	V 44
	-12.8100	-21.0140	-9.6000	-18.0500	-23.0510	UNKNOWN	-16.7300	-21.6900	-27.3000	UNKNOWN
	-20.9604	-13.9754	-14.5904	-8.2384	-4.1791	-5.0117	-13.7509	-3.2722	-0.4342	-6.7713
	0.0049	0.0043	0.0043	0.0058	0.0043	0.0044	0.0049	0.0045	0.0055	0.0047
BE7	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
	-29.9335	-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-34.7182	-33.5333	-35.5524	-44.1226
	-20.4628	-11.8215	-18.1725	-8.8886	-2.5110	-8.4932	-13.8191	-3.6011	2.2351	-8.8175
	0.0042	0.0050	0.0127	0.0073	0.0043	0.0165	0.0047	0.0109	0.0050	0.0127
BE9	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38	K 39	TI 44
	-26.0127	-26.5826	-21.0140	-24.4510	-29.0145	-23.0510	-30.2316	-28.7860	-33.8033	-37.6580
	-28.7400	-13.6479	-27.6330	-13.5821	-8.3310	-14.7507	-22.2562	-8.8440	-4.0387	-18.3920
	0.0119	0.0047	0.3800	0.0128	0.0075	1.0000	0.0166	0.0314	0.0110	0.1501
BE10	S 31	S 32	CL 32	CL 33	CL 34	AR 34	AR 35	K 37	K 38	TI 43
	-18.9920	-26.0127	-12.8100	-21.0140	-24.4510	-18.0500	-23.0510	-24.7996	-28.7860	-29.3400
	-31.7135	-25.1467	-20.8256	-16.0651	-12.4431	-13.5972	-23.8585	-10.7217	-8.1025	-16.9875
	0.0055	0.2000	0.0051	0.0044	0.0091	0.0059	0.0044	0.0074	0.0045	0.0053
B8	P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45
	-26.3346	-24.8300	-29.9335	-28.8471	-30.6550	-29.5196	-31.7648	-33.2380	-35.0383	-41.0606
	-22.7396	-14.8031	-13.8755	-7.4587	-2.2937	-7.7949	-15.7379	-2.1379	2.4483	-11.0032
	0.0043	0.0045	0.0041	0.0049	0.0049	0.0072	0.0042	0.0044	0.0049	0.0090
B10	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
	-24.4376	-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-29.0145	-30.9509	-34.7182	-36.1740
	-23.5957	-11.2836	-17.5117	-4.6441	-2.2601	-7.8473	-16.9169	0.5273	2.0655	-11.6837
	0.0081	0.0042	0.0117	0.0041	0.0049	0.0127	0.0072	0.0048	0.0044	0.0057
B11	P 30	P 31	S 31	S 32	S 33	CL 33	CL 34	AR 36	AR 37	SC 42
	-20.1970	-24.4376	-18.9920	-26.0127	-26.5826	-21.0140	-24.4510	-30.2316	-30.9509	-32.1090

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.9276	4.9233	12.4092	17.4708	15.3936	8.0077	20.0187	24.3241	17.7058
		0.0052	0.0087	0.0069	0.0047	0.0059	0.0042	0.0050	0.0043	0.0058
GAMMA	CA 42	CA 43	SC 43	SC 44	SC 45	TI 45	TI 46	V 48	V 49	FE 54
		-38.3959	-36.1740	-37.8130	-41.0606	-39.0020	-44.1226	-44.4700	-47.9565	-56.2455
		-11.4861	-7.2131	2.6988	6.1518	5.9782	-5.1844	9.4873	12.7662	4.0869
		0.0053	0.0053	0.0087	0.0070	0.0125	0.0060	0.0088	0.0050	0.0451
N	CA 41	CA 42	SC 42	SC 43	SC 44	TI 44	TI 45	V 47	V 48	FE 53
		-35.1250	-32.1090	-36.1740	-37.8130	-37.6580	-39.0020	-42.0100	-44.4700	-50.6980
		-10.2763	-2.7413	5.7031	10.5809	6.9157	-2.3433	13.1863	17.5617	8.8541
		0.0050	0.0125	0.0052	0.0054	0.0069	0.0047	0.0044	0.0042	0.0049
P	K 41	K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53
		-35.5524	-35.0160	-38.3959	-41.4596	-37.8130	-41.0606	-44.9266	-48.4831	-54.6828
		-18.1423	-8.0518	-9.2616	1.6702	-0.5703	-11.4379	6.5354	8.1583	-0.9736
		0.0037	0.0050	0.0053	0.0052	0.0087	0.0070	0.0043	0.0044	0.0069
D	K 40	K 41	CA 41	CA 42	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52
		-33.5333	-35.5524	-35.1250	-38.3959	-36.1740	-37.8130	-44.1226	-44.9266	-50.7020
		-19.6863	-11.8849	-11.3531	-5.2287	-6.4493	-14.8909	-0.3993	5.5403	-5.2296
		0.0044	0.0037	0.0047	0.0053	0.0053	0.0087	0.0060	0.0043	0.0501
T	K 39	K 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51
		-33.8033	-33.5333	-34.8476	-35.1250	-32.1090	-36.1740	-39.0020	-44.1226	-48.2600
		-20.2330	-10.3613	-12.6487	-4.7827	-3.5051	-12.6504	1.6780	3.1920	-2.0238
		0.0069	0.0036	0.0037	0.0050	0.0125	0.0053	0.0048	0.0052	0.0044
HE3	AR 39	AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51
		-33.2380	-35.0383	-33.5333	-35.5524	-35.0160	-38.3959	-41.0606	-41.7557	-51.4472
		-6.2462	0.3450	0.1278	5.7048	9.5379	9.0919	10.9370	15.0034	9.2846
		0.0043	0.0070	0.0044	0.0037	0.0050	0.0053	0.0070	0.0048	0.0050
HE4	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50
		-34.7182	-33.2380	-33.8033	-33.5333	-35.5524	-35.1250	-37.8130	-41.0606	-50.2490
		-25.9063	-17.1156	-24.0493	-14.2160	-7.3847	-13.9066	-18.8655	-9.9405	-13.0679
		0.0058	0.0055	0.0315	0.0113	0.0059	0.0236	0.0062	0.0067	0.2001
HE6	AR 36	AR 37	K 37	K 38	K 39	CA 39	CA 40	SC 42	SC 43	CR 48
		-30.2316	-30.9509	-24.7996	-28.7860	-33.8033	-27.3000	-34.8476	-32.1090	-36.1740
		-23.1085	-12.7919	-14.3882	-4.7740	-4.4401	-3.8935	-16.6700	0.6751	-8.1581
		0.0055	0.0038	0.0039	0.0044	0.0070	0.0045	0.0039	0.0055	0.0050
LI6	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
		-29.5196	-31.7648	-30.9509	-34.7182	-33.2380	-33.8033	-33.5333	-38.3959	-44.4700

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-24.4325	-15.8560	-15.9264	-9.3602	-3.7788	-9.7297	-17.2189	-4.2336		-11.4370
	0.0039	0.0055	0.0043	0.0039	0.0044	0.0107	0.0045	0.0055		0.0088
LI7	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47
	-29.0145	-29.5196	-30.2316	-30.9509	-34.7182	-28.7860	-33.8033	-35.1250		-42.0100
	-35.0349	-22.4000	-29.1459	-16.1184	-13.5850	-19.7550	-28.2751	-10.5499	-9.4536	-22.4169
	0.0071	0.0040	0.0164	0.0045	0.0040	0.0312	0.0107	0.0051	0.0056	0.0048
LI8	CL 34	CL 35	AR 35	AR 36	AR 37	K 37	K 38	CA 40	CA 41	V 46
	-24.4510	-29.0145	-23.0510	-30.2316	-30.9509	-24.7996	-28.7860	-34.8476	-35.1250	-37.0690
	-42.4907	-30.9823	-38.1657	-27.3178	-18.3231	-31.8434	-36.2803	-22.1163	-13.7498	
	0.0236	0.0212	1.0002	0.0259	0.0204	1.0002	0.0371	0.0307	0.0206	MASS
LI9	CL 33	CL 34	AR 34	AR 35	AR 36	K 36	K 37	CA 39	CA 40	V 45
	-21.0140	-24.4510	-18.0500	-23.0510	-30.2316	-16.7300	-24.7996	-27.3000	-34.8476	UNKNOWN
	-25.4615	-15.5822	-17.5000	-9.4079	-9.5556	-4.6591	-18.6458	-4.6678	-4.3853	-9.3820
	0.0039	0.0088	0.0055	0.0038	0.0088	0.0044	0.0070	0.0052	0.0126	0.0044
BE7	S 35	S 36	CL 36	CL 37	CL 38	AR 38	AR 39	K 41	K 42	TI 47
	-28.8471	-30.6550	-29.5196	-31.7648	-29.8030	-34.7182	-33.2380	-35.5524	-35.0160	-44.9266
	-23.3076	-11.8853	-18.1502	-7.7398	-5.4207	-4.7273	-16.5145	-1.9985	-1.4496	-10.8882
	0.0046	0.0045	0.0070	0.0038	0.0055	0.0043	0.0039	0.0046	0.0040	0.0060
BE9	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45
	-26.5826	-29.9335	-24.4510	-29.0145	-29.5196	-30.2316	-30.9509	-33.8033	-33.5333	-39.0020
	-25.1340	-16.4927	-22.8437	-13.5598	-7.1822	-13.1644	-18.4903	-8.2723	-2.4361	-13.4887
	0.0042	0.0050	0.0127	0.0073	0.0043	0.0165	0.0047	0.0109	0.0050	0.0127
BE10	S 32	S 33	CL 33	CL 34	CL 35	AR 35	AR 36	K 38	K 39	TI 44
	-26.0127	-26.5826	-21.0140	-24.4510	-29.0145	-23.0510	-30.2316	-28.7860	-33.8033	-37.6580
	-36.6328		-25.3267	-17.6719	-19.5128	-14.7667	-29.2350	-12.3361	-13.4881	-19.7071
	0.2000	MASS	0.0040	0.0089	0.0701	0.0040	0.0089	0.0040	0.0063	0.0053
BE8	P 34	P 35	S 35	S 36	S 37	CL 37	CL 38	AR 40	AR 41	SC 46
	-24.8300	UNKNOWN	-28.8471	-30.6550	-27.0000	-31.7648	-29.8030	-35.0383	-33.0674	-41.7557
	-26.2892	-16.1859	-16.7203	-7.5225	-6.7948	-6.6461	-18.6475	-1.7853	-2.4466	-12.7789
	0.0041	0.0049	0.0045	0.0045	0.0037	0.0037	0.0054	0.0045	0.0071	0.0070
B10	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44
	-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.0145	-29.5196	-34.7182	-33.2380	-37.8130
	-22.7698	-14.8332	-13.9057	-7.4889	-2.3239	-7.8250	-15.7681	-2.1681	2.4181	-11.0334
	0.0038	0.0041	0.0036	0.0045	0.0044	0.0070	0.0037	0.0039	0.0044	0.0087
B11	P 31	P 32	S 32	S 33	S 34	CL 34	CL 35	AR 37	AR 38	SC 43
	-24.4376	-24.3027	-26.0127	-26.5826	-29.9335	-24.4510	-29.0145	-30.9509	-34.7182	-36.1740

20 CA 43

MASS EXCESS -38.3959 +/- 0.0039 MEV

20 Ca 43

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			11.1351	6.7061	15.8006	18.3098	20.6580	8.9555	23.6490	25.7272	19.0769
			0.0057	0.0072	0.0050	0.0054	0.0045	0.0046	0.0046	0.0052	0.0052
GAMMA	CA 43		CA 44	SC 44	SC 45	SC 46	TI 46	TI 47	V 49	V 50	FE 55
			-41.4596	-37.8130	-41.0606	-41.7557	-44.1226	-44.9266	-47.9565	-49.2158	-57.4728
		-7.9276		-3.0043	4.4816	9.5432	7.4660	0.0800	12.0911	16.3965	9.7782
		0.0052		0.0089	0.0072	0.0050	0.0062	0.0045	0.0053	0.0046	0.0060
N	CA 42		CA 43	SC 43	SC 44	SC 45	TI 45	TI 46	V 48	V 49	FE 54
		-38.5397		-36.1740	-37.8130	-41.0606	-39.0020	-44.1226	-44.4700	-47.9565	-56.2455
		-10.6689	-1.0344		8.9106	10.0736	10.3070	-1.5044	16.8866	17.7801	9.8671
		0.0126	0.0117		0.0057	0.0053	0.0050	0.0054	0.0045	0.0045	0.0063
P	K 42		K 43	CA 43	CA 44	CA 45	SC 45	SC 46	TI 48	TI 49	MN 54
		-35.0160	-36.5790		-41.4596	-40.8085	-41.0606	-41.7557	-48.4831	-48.5577	-55.5520
		-15.9794	-8.4444	-5.7031		4.8777	1.2125	-8.0465	7.4832	11.8586	3.1510
		0.0052	0.0126	0.0052		0.0057	0.0072	0.0050	0.0048	0.0045	0.0052
D	K 41		K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53
		-35.5524	-35.0160	-38.5397		-41.4596	-37.8130	-41.0606	-44.9266	-48.4831	-54.6828
		-19.8125	-9.7220	-10.9319	-1.6702			-2.2405	-13.1081	4.8652	6.4881
		0.0041	0.0052	0.0056	0.0052			0.0089	0.0072	0.0047	0.0048
T	K 40		K 41	CA 41	CA 42	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52
		-33.5333	-35.5524	-35.1250	-38.5397		-36.1740	-37.8130	-44.1226	-44.9266	-50.7020
		-18.2889	-12.1884	-10.4858	-5.1753	-1.7983			-9.4429	2.5169	5.9064
		0.0040	0.0063	0.0052	0.0126	0.0117			0.0057	0.0055	0.0052
HE3	AR 40		AR 41	K 41	K 42	K 43	CA 43	CA 44	SC 46	SC 47	CR 52
		-35.0383	-33.0674	-35.5524	-35.0160	-36.5790		-41.4596	-41.7557	-44.3263	-55.4107
		-7.5826	2.2891	0.0016	7.8677	9.1453	12.6504		14.3284	15.8424	10.6266
		0.0072	0.0040	0.0041	0.0053	0.0126	0.0053		0.0051	0.0055	0.0047
HE4	AR 39		AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51
		-33.2380	-35.0383	-33.5333	-35.5524	-35.0160	-38.5397		-41.0606	-41.7557	-51.4472
		-25.0432	-13.2045	-19.9191	-9.0549	-7.5108	-6.2152	-18.4443	-5.7317	-3.2738	-10.6041
		0.0057	0.0061	0.0115	0.0062	0.0057	0.0064	0.0069	0.0098	0.0083	0.0123
HE6	AR 37		AR 38	K 38	K 39	K 40	CA 40	CA 41	SC 43	SC 44	CR 49
		-30.9509	-34.7182	-28.7860	-33.8033	-33.5333	-34.8476	-35.1250	-36.1740	-37.8130	-45.3900
		-20.7195	-14.6099	-10.4771	-6.1104	-2.4960	-4.0197	-14.5071		3.8826	-4.5278
		0.0042	0.0090	0.0048	0.0072	0.0041	0.0042	0.0054		0.0059	0.0046
LI6	CL 37		CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49
		-31.7648	-29.8030	-34.7182	-33.2380	-35.0383	-33.5333	-35.5524		-41.4596	-47.9565

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
	-23.7836	-13.4670	-15.0633	-5.4491	-5.1152	-4.5686	-17.3451	-0.6751		-8.8332
	0.0058	0.0042	0.0043	0.0048	0.0072	0.0048	0.0042	0.0055		0.0053
LI7	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
	-29.5196	-31.7648	-30.9509	-34.7182	-33.2380	-33.8033	-33.5333	-38.5397		-44.4700
	-30.3276	-21.7511	-21.8215	-15.2553	-9.6739	-15.6248	-23.1140	-10.1287	-5.8951	-17.3321
	0.0043	0.0059	0.0048	0.0044	0.0049	0.0108	0.0049	0.0059	0.0056	0.0090
LI8	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47
	-29.0145	-25.5196	-30.2316	-30.9509	-34.7182	-28.7860	-33.8033	-35.1250	-38.5397	-42.0100
	-38.9099	-26.2750	-33.0209	-19.9934	-17.4600	-23.6300	-32.1501	-14.4249	-13.3286	-26.2919
	0.0212	0.0204	0.0259	0.0205	0.0204	0.0371	0.0227	0.0207	0.0208	0.0206
LI9	CL 34	CL 35	AR 35	AR 36	AR 37	K 37	K 38	CA 40	CA 41	V 46
	-24.4510	-29.0145	-23.0510	-30.2316	-30.9509	-24.7996	-28.7860	-34.8476	-35.1250	-37.0690
	-23.5098	-19.0934	-15.1110	-11.2259	-9.4148	-5.9955	-16.7017	-5.0604	-2.6785	-5.6817
	0.0090	0.0701	0.0042	0.0090	0.0185	0.0072	0.0041	0.0127	0.0118	0.0045
BE7	S 36	S 37	CL 37	CL 38	CL 39	AR 39	AR 40	K 42	K 43	TI 48
	-30.6550	-27.0000	-31.7648	-29.8030	-29.8000	-33.2380	-35.0383	-35.0160	-36.5790	-48.4831
	-19.8129	-12.8279	-13.4429	-7.0909	-3.0316	-3.8642	-12.6034	-2.1247	0.7133	-5.6238
	0.0048	0.0042	0.0042	0.0057	0.0042	0.0042	0.0047	0.0043	0.0054	0.0046
BE9	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
	-29.9335	-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-34.7182	-33.5333	-35.5524	-44.1226
	-24.4203	-12.9980	-19.2629	-8.8525	-6.5333	-5.8400	-17.6272	-3.1112	-2.5623	-12.0009
	0.0053	0.0052	0.0075	0.0046	0.0061	0.0050	0.0047	0.0053	0.0048	0.0066
BE10	S 33	S 34	CL 34	CL 35	CL 36	AR 36	AR 37	K 39	K 40	TI 45
	-26.5826	-29.9335	-24.4510	-29.0145	-29.5196	-30.2316	-30.9509	-33.8033	-33.5333	-39.0020
			-23.3750	-21.1831	-19.5690	-16.5847	-29.0942	-14.1632	-11.9917	-16.9927
	MASS	MASS	0.0090	0.0701	0.1501	0.0090	0.0185	0.0065	0.0402	0.0053
BB	P 35	P 36	S 36	S 37	S 38	CL 38	CL 39	AR 41	AR 42	SC 47
	UNKNOWN	UNKNOWN	-30.6550	-27.0000	-26.8000	-29.8030	-29.8000	-33.0674	-34.4200	-44.3263
	-24.1135	-17.5467	-13.2256	-8.4651	-4.8431	-5.9972	-16.2585	-3.1217	-0.5025	-9.3875
	0.0052	0.2000	0.0048	0.0041	0.0089	0.0057	0.0041	0.0073	0.0042	0.0050
B10	P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45
	-26.3346	-24.8300	-29.9335	-28.8471	-30.6550	-29.5196	-31.7648	-33.2380	-35.0383	-41.0606
	-22.7609	-12.6575	-13.1920	-3.9942	-3.2665	-3.1177	-15.1192	1.7430	1.0817	-9.2506
	0.0044	0.0052	0.0048	0.0048	0.0041	0.0041	0.0057	0.0048	0.0072	0.0072
B11	P 32	P 33	S 33	S 34	S 35	CL 35	CL 36	AR 38	AR 39	SC 44
	-24.3027	-26.3346	-26.5826	-29.9335	-28.8471	-29.0145	-29.5196	-34.7182	-33.2380	-37.8130

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MASS EXCESS -41.4596 +/- 0.0041 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.4203	6.8900	13.4320	17.8167	18.3983	9.4483	21.8446	25.6466	19.1458
		0.0055	0.0051	0.0055	0.0052	0.0048	0.0046	0.0053	0.0049	0.0057
GAMMA	CA 44	CA 45	SC 45	SC 46	SC 47	TI 47	TI 48	V 50	V 51	FE 56
		-40.8085	-41.0606	-41.7557	-44.3263	-44.9266	-48.4831	-49.2158	-52.1989	-60.6054
		-11.1351	-4.4290	4.6655	7.1746	9.5229	-2.1797	12.5139	14.5921	7.9418
		0.0057	0.0073	0.0051	0.0055	0.0047	0.0048	0.0048	0.0053	0.0053
N	CA 43	CA 44	SC 44	SC 45	SC 46	TI 46	TI 47	V 49	V 50	FE 55
		-38.3959	-37.8130	-41.0606	-41.7557	-44.1226	-44.9266	-47.9565	-49.2158	-57.4728
		-12.1696	-4.4671	5.1958	9.3394	7.9385	-1.9975	13.8975	17.5894	8.9562
		0.0117	0.2000	0.0055	0.0099	0.0055	0.0052	0.0047	0.0054	0.0053
P	K 43	K 44	CA 44	CA 45	CA 46	SC 46	SC 47	TI 49	TI 50	MN 55
		-36.5790	-36.2100	-40.8085	-43.1380	-41.7557	-44.3263	-48.5577	-51.4307	-57.7048
		-19.5795	-9.9451	-8.9106	1.1629	1.3964	-10.4151	7.9760	8.8695	0.9565
		0.0127	0.0117	0.0057	0.0055	0.0051	0.0055	0.0047	0.0047	0.0065
D	K 42	K 43	CA 43	CA 44	CA 45	SC 45	SC 46	TI 48	TI 48	MN 54
		-35.0160	-36.5790	-38.3959	-40.8085	-41.0606	-41.7557	-48.4831	-48.5577	-55.5520
		-20.8571	-13.3221	-10.5809	-4.8777	-3.6652	-12.9242	2.6055	6.9809	-1.7267
		0.0054	0.0127	0.0054	0.0057	0.0073	0.0052	0.0049	0.0047	0.0053
T	K 41	K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53
		-35.5524	-35.0160	-38.5397	-38.3959	-37.8130	-41.0606	-44.9266	-48.4831	-54.6828
		-23.3235	-13.8595	-14.0859	-6.6760	-5.2310	-13.1577	2.0238	3.0214	-1.1102
		0.0064	0.0402	0.0127	0.0117	0.2000	0.0055	0.0053	0.0082	0.0051
HE3	AR 41	AR 42	K 42	K 43	K 44	CA 44	CA 45	SC 47	SC 48	CR 53
		-33.0674	-34.4200	-35.0160	-36.5790	-36.2100	-40.8085	-44.3263	-44.5050	-55.2807
		-8.8460	-2.7455	-1.0430	4.2676	7.6446	9.4429	11.9598	15.3493	11.5264
		0.0042	0.0064	0.0054	0.0127	0.0117	0.0057	0.0056	0.0053	0.0051
HE4	AR 40	AR 41	K 41	K 42	K 43	CA 43	CA 44	SC 46	SC 47	CR 52
		-35.0383	-33.0674	-35.5524	-35.0160	-36.5790	-38.3959	-41.7557	-44.3263	-55.4107
		-24.3396	-17.7484	-17.9655	-12.3886	-8.5554	-9.0015	-18.0933	-7.1564	-3.0899
		0.0062	0.0083	0.0063	0.0059	0.0067	0.0070	0.0067	0.0084	0.0067
HE6	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50
		-34.7182	-33.2380	-33.8033	-33.5333	-35.5524	-35.1250	-38.5397	-37.8130	-41.0606
		-25.7450	-17.6766	-15.0210	-7.3738	-7.5306	-5.0643	-18.1072	0.1678	-6.3322
		0.0091	0.0185	0.0074	0.0043	0.0065	0.0055	0.0127	0.0057	0.0053
LI6	CL 38	CL 39	AR 39	AR 40	AR 41	K 41	K 42	CA 44	CA 45	V 50
		-29.8030	-29.8000	-33.2380	-35.0383	-33.0674	-35.5524	-35.0160	-40.8085	-49.2158

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-24.6021	-18.4925	-14.3597	-9.9930	-6.3786	-7.9023	-18.3897	-3.8826		-8.4104
	0.0044	0.0091	0.0049	0.0074	0.0043	0.0044	0.0055	0.0059		0.0048
LI7	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49
	-31.7648	-29.8030	-34.7182	-33.2380	-35.0383	-33.5333	-35.5524	-38.3959		-47.9565
	-32.8862	-22.5696	-24.1659	-14.5517	-14.2178	-13.6712	-26.4477	-9.7777	-9.1026	-17.9358
	0.0060	0.0045	0.0046	0.0050	0.0074	0.0051	0.0045	0.0057	0.0060	0.0055
LI8	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
	-29.5196	-31.7648	-30.9509	-34.7182	-33.2380	-33.8033	-33.5333	-38.5397	-38.3959	-44.4700
	-37.4101	-28.8336	-28.9040	-22.3378	-16.7564	-22.7073	-30.1965	-17.2112	-12.9776	-24.4146
	0.0205	0.0208	0.0205	0.0205	0.0206	0.0227	0.0206	0.0208	0.0207	0.0219
LI9	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47
	-29.0145	-29.5196	-30.2316	-30.9509	-34.7182	-28.7860	-33.8033	-35.1250	-38.5397	-42.0100
	-30.2285	-22.3571	-20.1365	-14.2926	-14.7785	-7.2589	-21.7363	-6.5611	-6.1112	-8.6708
	0.0701	0.1501	0.0091	0.0185	0.5000	0.0043	0.0065	0.0118	0.2000	0.0047
BE7	S 37	S 38	CL 38	CL 39	CL 40	AR 40	AR 41	K 43	K 44	TI 49
	-27.0000	-26.8000	-29.8030	-29.8000	-27.5000	-35.0383	-33.0674	-36.5790	-36.2100	-48.5577
	-23.9630	-14.0837	-16.0015	-7.9094	-8.0571	-3.1606	-17.1473	-3.1693	-2.8868	-7.8835
	0.0044	0.0090	0.0059	0.0043	0.0090	0.0049	0.0073	0.0056	0.0128	0.0049
BE9	S 35	S 36	CL 36	CL 37	CL 38	AR 38	AR 39	K 41	K 42	TI 47
	-28.8471	-30.6550	-29.5196	-31.7648	-29.8030	-34.7182	-33.2380	-35.5524	-35.0160	-44.9266
	-24.1331	-17.1481	-17.7631	-11.4111	-7.3518	-8.1844	-16.9236	-6.4449	-3.6069	-9.9440
	0.0054	0.0048	0.0048	0.0062	0.0048	0.0048	0.0053	0.0049	0.0059	0.0052
BE10	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
	-29.9335	-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-34.7182	-33.5333	-35.5524	-44.1226
			-30.0937	-24.4468		-19.6514	-34.4579	-15.8743		-19.8777
	MASS	MASS	0.0701	0.1501	MASS	0.0185	0.5000	0.0403	MASS	0.0082
B8	P 36	P 37	S 37	S 38	S 39	CL 39	CL 40	AR 42	AR 43	SC 48
	UNKNOWN	UNKNOWN	-27.0000	-26.8000	UNKNOWN	-29.8000	-27.5000	-34.4200	UNKNOWN	-44.5050
	-28.6818		-17.3757	-9.7209	-11.5618	-6.8157	-21.2840	-4.3851	-5.5371	-11.7561
	0.2000	MASS	0.0043	0.0090	0.0701	0.0043	0.0090	0.0043	0.0065	0.0055
B10	P 34	P 35	S 35	S 36	S 37	CL 37	CL 38	AR 40	AR 41	SC 46
	-24.8300	UNKNOWN	-28.8471	-30.6550	-27.0000	-31.7648	-29.8030	-35.0383	-33.0674	-41.7557
	-23.7927	-17.2258	-12.9048	-8.1443	-4.5223	-5.6763	-15.9377	-2.8009	-0.1817	-9.0667
	0.0053	0.2000	0.0049	0.0043	0.0090	0.0058	0.0043	0.0074	0.0043	0.0051
B11	P 33	P 34	S 34	S 35	S 36	CL 36	CL 37	AR 39	AR 40	SC 45
	-26.3346	-24.8300	-29.9335	-28.8471	-30.6550	-29.5196	-31.7648	-33.2380	-35.0383	-41.0606

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.2804	8.4773	14.5029	18.3609	20.3510	10.7175	22.3864	23.5493	19.0085
		0.0108	0.0096	0.0114	0.0103	0.0092	0.0096	0.0104	0.0508	0.0102
GAMMA	CA 46	CA 47	SC 47	SC 48	SC 49	TI 49	TI 50	V 52	V 53	FE 58
		-42.3470	-44.3263	-44.5050	-46.5490	-48.5577	-51.4307	-51.4360	-51.7800	-62.1465
		-10.4009	-2.1647	6.2528	8.2455	12.2050	-0.2270	15.0779	15.1339	8.9661
		0.0097	0.0097	0.0096	0.0114	0.0092	0.0092	0.0094	0.0104	0.0099
N	CA 45	CA 46	SC 46	SC 47	SC 48	TI 48	TI 49	V 51	V 52	FE 57
		-40.8085	-41.7557	-44.3263	-44.5050	-48.4831	-48.5577	-52.1989	-51.4360	-60.1755
		-13.7970	-7.0155	5.0559	8.7390	9.0094	-1.4532	13.3994	14.0203	7.0530
		0.2002	1.0000	0.0108	0.0127	0.0114	0.0103	0.0109	1.0000	0.3001
P	K 45	K 46	CA 46	CA 47	CA 48	SC 48	SC 49	TI 51	TI 52	MN 57
		-36.6300	-35.3400	-42.3470	-44.2160	-44.5050	-46.5490	-49.7380	-49.5400	-57.4800
		-20.0639	-11.5725	-8.1764	1.0230	2.9837	-9.3442	9.2452	8.3714	0.6299
		0.2002	0.2002	0.0097	0.0108	0.0096	0.0114	0.0096	0.0109	0.0100
D	K 44	K 45	CA 45	CA 46	CA 47	SC 47	SC 48	TI 50	TI 51	MN 56
		-36.2100	-36.6300	-40.8085	-42.3470	-44.3263	-44.5050	-51.4307	-49.7380	-56.9038
		-21.5089	-13.8065	-9.3394	-4.1435	-1.4009	-11.3369	4.5582	8.2501	-0.3831
		0.0142	0.2002	0.0099	0.0097	0.0097	0.0096	0.0093	0.0097	0.0096
T	K 43	K 44	CA 44	CA 45	CA 46	SC 46	SC 47	TI 49	TI 50	MN 55
		-36.5790	-36.2100	-41.4596	-40.8085	-41.7557	-44.3263	-48.5577	-51.4307	-57.7048
			-14.5703	-8.3034	-7.7794		-13.2976	2.5681	1.7980	-2.9563
	MASS	MASS	0.2002	0.2002	1.0000		0.0108	0.0104	0.2002	0.0114
HE3	AR 43	AR 44	K 44	K 45	K 46	CA 46	CA 47	SC 49	SC 50	CR 55
	UNKNOWN	UNKNOWN	-36.2100	-36.6300	-35.3400		-42.3470	-46.5490	-44.9600	-55.1130
		-11.1427	-1.6948	3.7832	6.0172	10.1771		13.0307	15.8935	11.3678
		0.0410	0.0142	0.2002	0.2002	0.0097		0.0115	0.0104	0.0098
HE4	AR 42	AR 43	K 43	K 44	K 45	CA 45	CA 46	SC 48	SC 49	CR 54
		-34.4200	-36.5790	-36.2100	-36.6300	-40.8085		-44.5050	-46.5490	-56.9305
		-25.6979	-19.5974	-17.8948	-12.5843	-9.2073	-7.4090	-16.8518	-4.8921	-5.3255
		0.0099	0.0110	0.0105	0.0155	0.0148	0.0106	0.0107	0.0106	0.0103
HE6	AR 40	AR 41	K 41	K 42	K 43	CA 43	CA 44	SC 46	SC 47	CR 52
		-35.0383	-33.0674	-35.5524	-35.0160	-36.5790	-38.3959	-41.4596	-41.7557	-44.3263
		-29.7264	-16.8700	-9.6705		-5.7161	-18.5916		0.0279	-5.7904
		0.5001	0.0103	0.0410		0.0143	0.2002		0.0109	0.0104
LI6	CL 40	CL 41	AR 41	AR 42	AR 43	K 43	K 44	CA 46	CA 47	V 52
		-27.5000	-33.0674	-34.4200	UNKNOWN	-36.5790	-36.2100		-42.3470	-51.4360

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
	-28.2453	-22.4739	-15.7180	-11.8420	-8.6753	-8.0980	-19.0415	-3.1484		-5.8464
	0.0202	0.5001	0.0091	0.0103	0.0410	0.0150	0.0143	0.0098		0.0094
LI7	CL 39	CL 40	AR 40	AR 41	AR 42	K 42	K 43	CA 45	CA 46	V 51
	-29.8000	-27.5000	-35.0383	-33.0674	-34.4200	-35.0160	-36.5750	-40.8085		-52.1989
	-34.2812	-26.2128	-23.5572	-15.9100	-16.0668	-13.6005	-26.6434	-8.5362	-8.3684	-14.8684
	0.0121	0.0202	0.0109	0.0092	0.0104	0.0098	0.0151	0.0101	0.0099	0.0097
LI8	CL 38	CL 39	AR 39	AR 40	AR 41	K 41	K 42	CA 44	CA 45	V 50
	-29.8030	-29.8000	-33.2380	-35.0383	-33.0674	-35.5524	-35.0160	-41.4596	-40.8085	-49.2158
	-36.3382	-30.2286	-26.0958	-21.7291	-18.1147	-19.6384	-30.1258	-15.6187	-11.7361	-20.1465
	0.0220	0.0233	0.0221	0.0227	0.0219	0.0220	0.0222	0.0223	0.0223	0.0220
LI9	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49
	-31.7648	-29.8030	-34.7182	-33.2380	-35.0383	-33.5333	-35.5524	-38.3959	-41.4596	-47.9565
			-24.1179			-9.5556		-8.1885	-8.6596	-9.1689
	MASS	MASS	0.5001	MASS	MASS	0.0410	MASS	0.2002	1.0000	0.0109
BE7	S 39	S 40	CL 40	CL 41	CL 42	AR 42	AR 43	K 45	K 46	TI 51
	UNKNOWN	UNKNOWN	-27.5000	UNKNOWN	UNKNOWN	-34.4200	UNKNOWN	-36.6300	-35.3400	-49.7380
	-27.4885	-19.6171	-17.3965	-11.5526	-12.0385	-4.5189	-18.9963	-3.8211	-3.3712	-5.9308
	0.0706	0.1503	0.0121	0.0201	0.5001	0.0091	0.0103	0.0143	0.2002	0.0093
BE9	S 37	S 38	CL 38	CL 39	CL 40	AR 40	AR 41	K 43	K 44	TI 49
	-27.0000	-26.8000	-29.8030	-29.8000	-27.5000	-35.0383	-33.0674	-36.5790	-36.2100	-48.5577
	-25.0900	-20.6736	-16.6912	-12.8061	-10.9950	-7.5757	-18.2815	-6.6406	-4.2587	-7.2619
	0.0122	0.0706	0.0093	0.0122	0.0202	0.0110	0.0093	0.0152	0.0144	0.0095
BE10	S 36	S 37	CL 37	CL 38	CL 39	AR 39	AR 40	K 42	K 43	TI 48
	-30.6550	-27.0000	-31.7648	-29.8030	-29.8000	-33.2380	-35.0383	-35.0160	-36.5790	-48.4831
										-21.1011
	MASS	MASS	MASS	MASS	MASS	MASS	MASS	MASS	MASS	0.2002
BE8	P 38	P 39	S 39	S 40	S 41	CL 41	CL 42	AR 44	AR 45	SC 50
	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	-44.9600
			-20.9012	-15.2543		-10.4589	-25.2654	-6.6818		-10.6852
	MASS	MASS	0.0706	0.1503	MASS	0.0201	0.5001	0.0410	MASS	0.0114
BE10	P 36	P 37	S 37	S 38	S 39	CL 39	CL 40	AR 42	AR 43	SC 48
	UNKNOWN	UNKNOWN	-27.0000	-26.8000	UNKNOWN	-29.8000	-27.5000	-34.4200	UNKNOWN	-44.5050
			-13.8617	-11.6698	-10.0557	-7.0713	-19.5809	-4.6499	-2.4784	-7.4794
	MASS	MASS	0.0120	0.0706	0.1503	0.0120	0.0201	0.0103	0.0410	0.0096
BE11	P 35	P 36	S 36	S 37	S 38	CL 38	CL 39	AR 41	AR 42	SC 47
	UNKNOWN	UNKNOWN	-30.6550	-27.0000	-26.8000	-29.8030	-29.8000	-33.0674	-34.4200	-44.3263

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20 CA 48

MASS EXCESS -44.2160 +/- 0.0090 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING			5.1434	9.6220	13.8799		20.4533	7.7488	19.5024		17.2950
			0.0142	0.0103	0.2002	MASS	0.0108	1.0000	1.0000	MASS	0.0313
GAMMA	CA 48	CA 49	SC 49	SC 50	SC 51	TI 51	TI 52	TI 52	V 54	V 55	FE 60
		-41.2880	-46.5490	-44.9600	UNKNOWN	-49.7380	-49.5400	-49.6300	UNKNOWN	UNKNOWN	-61.5110
		-9.9404		-0.4934	7.3975	7.6225	14.0746	-0.1247	13.5810	12.2499	8.3725
		0.0108		0.0114	0.0103	0.2002	0.0096	0.0108	0.0508	1.0000	0.0100
N	CA 47	CA 48	SC 48	SC 49	SC 50	TI 50	TI 51	TI 51	V 53	V 54	FE 59
		-42.3470	-44.5050	-46.5490	-44.9600	-51.4307	-49.7380	-51.7800	-49.6300	-60.6599	
		-15.2550			2.9189	4.5450	8.3864				
		0.3001	MASS		0.0142	1.0000	0.2002	MASS	MASS	MASS	MASS
P	K 47	K 48	CA 48	CA 49	CA 50	SC 50	SC 51	SC 51	TI 53	TI 54	MN 59
		-36.2500	UNKNOWN		-41.2880	-41.1000	-44.9600	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-22.0119	-13.0305	-7.7159		-1.1140	4.1284	-9.9672	6.2765		-1.7019
		1.0000	0.3001	0.0108		0.0142	0.0103	0.2002	1.0000	MASS	1.0000
D	K 46	K 47	CA 47	CA 48	CA 49	SC 49	SC 50	SC 50	TI 52	TI 53	MN 58
		-35.3400	-36.2500	-42.3470		-41.2880	-46.5490	-44.9600	-49.5400	UNKNOWN	-55.6500
		-22.5359	-15.7545	-8.7390	-3.6830		0.2704	-10.1922	4.6604	5.2814	-1.6859
		0.2002	1.0000	0.0127	0.0108		0.0114	0.0103	0.0109	1.0000	0.3001
T	K 45	K 46	CA 46	CA 47	CA 48	SC 48	SC 49	SC 49	TI 51	TI 52	MN 57
		-36.6300	-35.3400	-43.1380	-42.3470		-44.5050	-46.5490	-49.7380	-49.5400	-57.4800
			-16.5183	-9.7614				-15.4346			
			1.0000	0.3001	MASS			0.0142	MASS	MASS	MASS
HE3	AR 45	AR 46	K 46	K 47	K 48	CA 48	CA 49	CA 49	SC 51	SC 52	CR 57
		UNKNOWN	-35.3400	-36.2500	UNKNOWN			-41.2880	UNKNOWN	UNKNOWN	UNKNOWN
			-2.7218	1.8352	4.5592	10.6376			12.4077		8.6493
			0.2002	1.0000	0.3001	0.0108			0.2002	MASS	0.1503
HE4	AR 44	AR 45	K 45	K 46	K 47	CA 47	CA 48	CA 48	SC 50	SC 51	CR 56
		UNKNOWN	-36.6300	-35.3400	-36.2500	-42.3470			-44.9600	UNKNOWN	-55.2900
			-17.9462	-12.4683	-10.2343	-6.0744	-16.2514	-3.2208	-0.3579	-0.3579	-4.8837
			0.0412	0.0148	0.2002	0.0105	0.0133	0.0121	0.0111	0.0111	0.0106
HE6	AR 42	AR 43	K 43	K 44	K 45	CA 45	CA 46	SC 48	SC 49	SC 49	CR 54
		UNKNOWN	-36.5790	-36.2100	-36.6300	-40.8085	-43.1380	-44.5050	-46.5490	-46.5490	-56.9305
						-6.7431	-20.5396		-2.1091	-8.6744	
						0.2002	1.0000		0.0143	1.0000	
LI6	CL 42	CL 43	AR 43	AR 44	AR 45	K 45	K 46	CA 48	CA 49	V 54	
		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	-36.6300	-35.3400	-41.2880	-49.6300

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12	
OUTGOING											
			-17.4143			-7.9820	-20.0685	-2.6879		-7.3433	
LI7	MASS CL 41 UNKNOWN	MASS CL 42 UNKNOWN	0.0410 AR 42	MASS AR 43 UNKNOWN	MASS AR 44 UNKNOWN	0.2002 K 44	0.2002 K 45	0.0109 CA 47	CA 48	0.0508 V 53	
			-34.4200	UNKNOWN	UNKNOWN	-36.2100	-36.6300	-42.3470		-51.7800	
	-37.6622 0.5001 CL 40 -27.5000		-24.8058 0.0104 AR 41 -33.0674	-17.6063 0.0410 AR 42 -34.4200		-13.6519 0.0143 AR 43 -36.5790	-26.5274 0.2002 K 44 -36.2100	-7.9358 0.0129 CA 46 -43.1380	-7.9079 0.0110 CA 47 -42.3470	-13.7262 0.0104 V 52 -51.4360	
LI8		MASS CL 41 UNKNOWN			MASS AR 43 UNKNOWN						
	-39.3810 0.0284 CL 39 -29.8000	-33.6096 0.5005 CL 40 -27.5000	-26.8537 0.0219 AR 40 -35.0383	-22.9777 0.0225 AR 41 -33.0674	-19.8110 0.0456 AR 42 -34.4200	-19.2337 0.0250 K 42 -35.0160	-30.1772 0.0245 K 43 -36.5790	-14.2841 0.0223 CA 45 -40.8085	-11.1357 0.0237 CA 46 -43.1380	-16.9821 0.0221 V 51 -52.1989	
LI9								-9.6465 0.3001 K 47 -36.2500	MASS K 48 UNKNOWN	MASS TI 53 UNKNOWN	
BE7	MASS S 41 UNKNOWN	MASS S 42 UNKNOWN	MASS CL 42 UNKNOWN	MASS CL 43 UNKNOWN	MASS CL 44 UNKNOWN	MASS AR 44 UNKNOWN	MASS AR 45 UNKNOWN				
			-20.7775 0.5001 CL 40 -27.5000		MASS CL 41 UNKNOWN	MASS CL 42 UNKNOWN	MASS AR 42 -34.4200	MASS AR 43 UNKNOWN	-4.8481 0.2002 K 45 -36.6300	-5.3192 1.0000 K 46 -35.3400	-5.8285 0.0109 TI 51 -49.7380
BE9	MASS S 39 UNKNOWN	MASS S 40 UNKNOWN									
	-30.0230 0.1503 S 38 -26.8000	MASS S 39 UNKNOWN	-19.7340 0.0202 CL 39 -29.8000	-16.1871 0.5001 CL 40 -27.5000		MASS CL 41 UNKNOWN	MASS AR 41 -33.0674	MASS AR 42 -34.4200	-6.5246 0.2002 K 44 -36.2100	-5.2857 0.2002 K 45 -36.6300	-5.3923 0.0098 TI 50 -51.4307
BE10											
	MASS P 38 UNKNOWN	MASS P 39 UNKNOWN	MASS S 39 UNKNOWN	MASS S 40 UNKNOWN	MASS S 41 UNKNOWN	MASS CL 41 UNKNOWN	MASS CL 42 UNKNOWN	MASS AR 44 UNKNOWN	MASS AR 45 UNKNOWN	-11.3082 0.2002 SC 50 -44.9600	
B10											
	MASS P 37 UNKNOWN	MASS P 38 UNKNOWN	-18.7947 0.1503 S 38 -26.8000	MASS S 39 UNKNOWN	MASS S 40 UNKNOWN	MASS CL 40 -27.5000	MASS CL 41 UNKNOWN	MASS AR 43 UNKNOWN	MASS AR 44 UNKNOWN	-6.3347 0.0103 SC 49 -46.5490	
B11											

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12	
OUTGOING											
		8.7665	10.3510	17.0019	22.3725	18.3407	9.3207	24.4750	29.2574	18.2783	
		0.0048	0.0039	0.0040	0.0037	0.0046	0.0038	0.0042	0.0045	0.0055	
GAMMA	SC 45	SC 46	TI 46	TI 47	TI 48	V 48	V 49	CR 51	CR 52	CO 57	
		-41.7557	-44.1226	-44.9266	-48.4831	-44.4700	-47.9565	-51.4472	-55.4107	-59.3389	
		-11.3190	-2.8410	8.1265	10.7445	7.8093	-2.2373	15.2054	17.2225	6.8990	
		0.0068	0.0057	0.0039	0.0040	0.0086	0.0046	0.0048	0.0042	0.0086	
N	SC 44	SC 45	TI 45	TI 46	TI 47	V 47	V 48	CR 50	CR 51	CO 56	
		-37.8130	-39.0020	-44.1226	-44.9266	-42.0100	-44.4700	-50.2490	-51.4472	-56.0310	
		-6.8900	0.5304	6.5420	10.9267	11.5084	2.5583	14.9546	18.7566	12.2558	
		0.0051	0.0048	0.0048	0.0045	0.0040	0.0037	0.0046	0.0041	0.0051	
P	CA 44	CA 45	SC 45	SC 46	SC 47	TI 47	TI 48	V 50	V 51	FE 56	
		-41.4596	-40.8085	-41.7557	-44.3263	-44.9266	-48.4831	-49.2158	-52.1989	-60.6054	
		-15.8006	-4.6655	-9.0945	2.5091	4.8574	-6.8452	7.8484	9.9266	3.2763	
		0.0050	0.0051	0.0068	0.0048	0.0039	0.0040	0.0040	0.0046	0.0046	
D	CA 43	CA 44	SC 44	SC 45	SC 46	TI 46	TI 47	V 49	V 50	FE 55	
		-38.3959	-41.4596	-37.8130	-41.7557	-44.1226	-44.9266	-47.9565	-49.2158	-57.4728	
		-17.4708	-9.5432	-12.5476	-5.0616	-2.0772	-9.4632	2.5479	6.8533	0.2350	
		0.0047	0.0050	0.0086	0.0068	0.0057	0.0039	0.0047	0.0040	0.0056	
T	CA 42	CA 43	SC 43	SC 44	SC 45	TI 45	TI 46	V 48	V 49	FE 54	
		-38.5397	-38.3959	-36.1740	-37.8130	-39.0020	-44.1226	-44.4700	-47.9565	-56.2455	
		-20.9759	-11.3415	-10.3070	-1.3964	-0.2335	-11.8115	6.5796	7.4731	-0.4399	
		0.0124	0.0114	0.0050	0.0051	0.0048	0.0048	0.0039	0.0039	0.0059	
HE3	K 42	K 43	CA 43	CA 44	CA 45	SC 45	SC 46	TI 48	TI 49	MN 54	
		-35.0160	-36.5790	-38.3959	-41.4596	-40.8085	-41.7557	-48.4831	-48.5577	-55.5520	
		-7.9329	-0.3979	2.3433	8.0465	12.9242	9.2590	15.5297	19.9051	11.1975	
		0.0047	0.0124	0.0047	0.0050	0.0052	0.0068	0.0041	0.0039	0.0046	
HE4	K 41	K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53	
		-35.5524	-35.0160	-38.5397	-38.3959	-41.4596	-37.8130	-44.9266	-48.4831	-54.6828	
		-24.8555	-17.0541	-16.5222	-10.3979	-5.1691	-11.6185	-20.0600	-5.5684	0.3711	
		0.0057	0.0052	0.0060	0.0065	0.0062	0.0065	0.0095	0.0071	0.0057	
HE6	K 39	K 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51	
		-33.8033	-33.5333	-34.8476	-35.1250	-38.5397	-32.1090	-36.1740	-39.0020	-44.1226	-48.2600
		-21.9110	-12.0393	-14.3267	-6.4607	-5.1830	-1.6780	-14.3283	1.5140	-3.7018	
		0.0068	0.0034	0.0035	0.0048	0.0124	0.0048	0.0051	0.0051	0.0042	
LI6	AR 39	AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51	
		-33.2380	-35.0383	-33.5333	-35.5524	-35.0160	-38.5397	-38.3959	-41.7557	-51.4472	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-21.2497	-14.6585	-14.8756	-9.2987	-5.4655	-5.9116	-15.0034	-4.0665		-5.7189
	0.0041	0.0068	0.0042	0.0035	0.0048	0.0052	0.0048	0.0069		0.0048
LI7	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50
	-34.7182	-33.2380	-33.8033	-33.5333	-35.5524	-35.1250	-38.5397	-37.8130		-50.2490
	-31.0559	-19.2172	-25.9318	-15.0676	-13.5235	-12.2279	-24.4570	-11.7444	-9.2865	-16.6168
	0.0037	0.0043	0.0106	0.0043	0.0037	0.0047	0.0053	0.0088	0.0070	0.0115
LI8	AR 37	AR 38	K 38	K 39	K 40	CA 40	CA 41	SC 43	SC 44	CR 49
	-30.9509	-34.7182	-28.7860	-33.8033	-33.5333	-34.8476	-35.1250	-36.1740	-37.8130	-45.3900
	-35.7940	-27.0033	-33.9370	-24.1037	-17.2723	-23.7943	-28.7532	-19.8282	-14.9443	-22.9556
	0.0204	0.0203	0.0370	0.0226	0.0204	0.0306	0.0205	0.0207	0.0218	0.2010
LI9	AR 36	AR 37	K 37	K 38	K 39	CA 39	CA 40	SC 42	SC 43	CR 48
	-30.2316	-30.9509	-24.7996	-28.7860	-33.8033	-27.3000	-34.8476	-32.1090	-36.1740	-43.0700
	-27.0265	-18.9581	-16.3025	-8.6553	-8.8121	-6.3458	-19.3887	-1.2815	-1.1137	-7.6137
	0.0086	0.0183	0.0068	0.0034	0.0059	0.0048	0.0124	0.0054	0.0050	0.0046
BE7	CL 38	CL 39	AR 39	AR 40	AR 41	K 41	K 42	CA 44	CA 45	V 50
	-29.8030	-29.8000	-33.2380	-35.0383	-33.0674	-35.5524	-35.0160	-41.4596	-40.8085	-49.2158
	-22.8915	-12.5749	-14.1712	-4.5570	-4.2231	-3.6765	-16.4530	0.2170	0.8921	-7.9411
	0.0052	0.0034	0.0035	0.0041	0.0068	0.0042	0.0035	0.0049	0.0052	0.0047
BE9	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
	-29.5196	-31.7648	-30.9509	-34.7182	-33.2380	-33.8033	-33.5333	-38.5397	-38.3959	-44.4700
	-24.6531	-16.0766	-16.1470	-9.5808	-3.9994	-9.9503	-17.4395	-4.4542	-0.2206	-11.6576
	0.0040	0.0056	0.0044	0.0040	0.0046	0.0107	0.0046	0.0056	0.0053	0.0089
BE10	CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47
	-29.0145	-29.5196	-30.2316	-30.9509	-34.7182	-28.7860	-33.8033	-35.1250	-38.5397	-42.0100
	-36.9837	-29.1123	-26.8917	-21.0478	-21.5337	-14.0141	-28.4915	-13.3163	-12.8664	-15.4260
	0.0701	0.1500	0.0087	0.0183	0.5000	0.0035	0.0060	0.0116	0.2000	0.0040
B8	S 37	S 38	CL 38	CL 39	CL 40	AR 40	AR 41	K 43	K 44	TI 49
	-27.0000	-26.8000	-29.8030	-29.8000	-27.5000	-35.0383	-33.0674	-36.5790	-36.2100	-48.5577
	-24.2657	-14.3864	-16.3042	-8.2121	-8.3598	-3.4633	-17.4500	-3.4720	-3.1895	-8.1862
	0.0034	0.0086	0.0052	0.0033	0.0086	0.0040	0.0068	0.0048	0.0125	0.0040
B10	S 35	S 36	CL 36	CL 37	CL 38	AR 38	AR 39	K 41	K 42	TI 47
	-28.8471	-30.6550	-29.5196	-31.7648	-29.8030	-34.7182	-33.2380	-35.5524	-35.0160	-44.9266
	-19.7948	-12.8097	-13.4248	-7.0728	-3.0135	-3.8460	-12.5853	-2.1066	0.7314	-5.6057
	0.0041	0.0033	0.0033	0.0052	0.0033	0.0034	0.0040	0.0035	0.0048	0.0039
B11	S 34	S 35	CL 35	CL 36	CL 37	AR 37	AR 38	K 40	K 41	TI 46
	-29.9335	-28.8471	-29.0145	-29.5196	-31.7648	-30.9509	-34.7182	-33.5333	-35.5524	-44.1226

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MASS EXCESS -44.1226 +/- 0.0023 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			8.8754	5.1764	13.4833	18.7838	16.1987	8.5512	20.6678	25.4675	16.1054
			0.0034	0.0083	0.0041	0.0032	0.0112	0.0042	0.0065	0.0042	0.0055
GAMMA	TI 46	TI 47	V 47	V 48	V 49	CR 49	CR 50	CR 50	MN 52	MN 53	NI 58
		-44.9266	-42.0100	-44.4700	-47.9565	-45.3900	-50.2490	-50.7020	-54.6828	-60.2280	
		-13.1920	-7.8361	2.9519	7.2259	5.8073	-4.3793	10.1544	13.4153	3.9100	
		0.0053	0.0038	0.0083	0.0041	0.2000	0.0112	0.0501	0.0065	0.0162	
N	TI 45	TI 46	V 46	V 47	V 48	CR 48	CR 49	MN 51	MN 52	NI 57	
		-39.0020	-37.0690	-42.0100	-44.4700	-43.0700	-45.3900	-48.2600	-50.7020	-56.1040	
		-10.3510	-1.5844	6.6509	12.0215	7.9897	-1.0303	14.1240	18.9064	7.9273	
		0.0039	0.0044	0.0034	0.0031	0.0041	0.0032	0.0036	0.0039	0.0051	
P	SC 45	SC 46	TI 46	TI 47	TI 48	V 48	V 49	CR 51	CR 52	CO 57	
		-41.0606	-41.7557	-44.9266	-48.4831	-44.4700	-47.9565	-51.4472	-55.4107	-59.3389	
		-19.4455	-8.1265	-10.9675	2.6180	-0.3172	-10.3638	7.0789	9.0960	-1.2275	
		0.0064	0.0039	0.0053	0.0034	0.0083	0.0041	0.0043	0.0036	0.0083	
D	SC 44	SC 45	TI 45	TI 46	TI 47	V 47	V 48	CR 50	CR 51	CO 56	
		-37.8130	-41.0606	-39.0020	-44.9266	-42.0100	-44.4700	-50.2490	-51.4472	-56.0310	
		-22.8986	-13.1881	-14.1256	-6.9346	-7.0722	-14.6378	0.4058	6.0838	-5.0585	
		0.0083	0.0064	0.0122	0.0053	0.0038	0.0083	0.0113	0.0043	0.0112	
T	SC 43	SC 44	TI 44	TI 45	TI 46	V 46	V 47	CR 49	CR 50	CO 55	
		-36.1740	-37.8130	-37.6580	-39.0020	-37.0690	-42.0100	-45.3900	-50.2490	-54.0140	
		-20.6580	-9.5229	-13.9519	-4.8574	-2.3483	-11.7026	2.9910	5.0692	-1.5811	
		0.0045	0.0047	0.0064	0.0039	0.0044	0.0034	0.0034	0.0041	0.0041	
HE3	CA 43	CA 44	SC 44	SC 45	SC 46	TI 46	TI 47	V 49	V 50	FE 55	
		-38.3959	-41.4596	-37.8130	-41.0606	-41.7557	-44.9266	-47.9565	-49.2158	-57.4728	
		-8.0076	-0.0800	-3.0844	4.4016	9.4632	7.3860	12.0111	16.3165	9.6982	
		0.0042	0.0045	0.0083	0.0064	0.0039	0.0053	0.0043	0.0034	0.0052	
HE4	CA 42	CA 43	SC 43	SC 44	SC 45	TI 45	TI 46	V 48	V 49	FE 54	
		-38.5397	-38.3959	-36.1740	-37.8130	-41.0606	-39.0020	-44.4700	-47.9565	-56.2455	
		-26.8732	-18.5244	-25.8018	-16.4759	-10.5969	-17.4495	-21.6380	-10.5634	-4.8035	-13.3928
		0.0056	0.0061	0.0119	0.0061	0.0092	0.1501	0.0129	0.0056	0.0093	0.0138
HE6	CA 40	CA 41	SC 41	SC 42	SC 43	TI 43	TI 44	V 46	V 47	FE 52	
		-34.8476	-35.1250	-28.6300	-32.1090	-36.1740	-29.3400	-37.6580	-37.0690	-42.0100	-48.3280
		-24.6777	-14.5872	-15.7970	-6.5354	-4.8651	-7.1057	-17.9732	1.6229	-7.5090	
		0.0028	0.0043	0.0047	0.0043	0.0047	0.0084	0.0065	0.0037	0.0065	
LI6	K 40	K 41	CA 41	CA 42	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52	
		-33.5333	-35.5524	-35.1250	-38.5397	-38.3959	-36.1740	-37.8130	-44.9266	-50.7020	

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	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
		-25.2266	-17.4252	-16.8933	-10.7690	-5.5402	-11.9896	-20.4311	-5.9395		-10.7699
		0.0036	0.0028	0.0041	0.0047	0.0043	0.0047	0.0084	0.0055		0.0501
LI7		K 39	K 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51
		-33.8033	-33.5333	-34.8476	-35.1250	-38.5397	-32.1090	-36.1740	-39.0020		-48.2600
		-36.2828	-23.1941	-30.4798	-17.0853	-14.9938	-21.5075	-30.5350	-13.3224	-11.1595	-22.4508
		0.0104	0.0038	0.0232	0.0042	0.0049	0.0113	0.0049	0.0124	0.0056	0.0057
LI8		K 39	K 39	CA 39	CA 40	CA 41	SC 41	SC 42	TI 44	TI 45	MN 50
		-28.7860	-33.8033	-27.3000	-34.8476	-35.1250	-28.6300	-32.1090	-37.6580	-39.0020	-42.6180
		-44.2880	-32.2302	-40.1086	-28.6517	-19.2901	-33.7763	-38.0328	-25.6592	-16.5223	
		0.0370	0.0225	1.0002	0.0306	0.0204	0.0633	0.0229	0.1513	0.0235	MASS
LI9		K 37	K 38	CA 38	CA 39	CA 40	SC 40	SC 41	TI 43	TI 44	MN 49
		-24.7996	-28.7860	-21.6900	-27.3000	-34.8476	-20.3800	-28.6300	-29.3400	-37.6580	UNKNOWN
		-26.6535	-16.7818	-19.0692	-11.2032	-9.9255	-6.4205	-19.0708	-4.7425	-3.2285	-8.4443
		0.0065	0.0027	0.0028	0.0043	0.0123	0.0043	0.0047	0.0042	0.0046	0.0036
BE7		AR 39	AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51
		-33.2380	-35.0383	-33.5333	-35.5524	-35.0160	-38.5397	-38.3959	-41.0606	-41.7557	-51.4472
		-24.5222	-12.6835	-19.3981	-8.5339	-6.9899	-5.6942	-17.9233	-5.2107	-2.7528	-10.0831
		0.0028	0.0035	0.0103	0.0036	0.0028	0.0040	0.0047	0.0084	0.0066	0.0113
BE9		AR 37	AR 38	K 38	K 39	K 40	CA 40	CA 41	SC 43	SC 44	CR 49
		-30.9509	-34.7182	-28.7860	-33.8033	-33.5333	-34.8476	-35.1250	-36.1740	-37.8130	-45.3900
		-26.4980	-17.7073	-24.6410	-14.8077	-7.9763	-14.4983	-19.4572	-10.5322	-5.6483	-13.6596
		0.0039	0.0034	0.0312	0.0105	0.0041	0.0232	0.0045	0.0052	0.0087	0.2000
BE10		AR 36	AR 37	K 37	K 38	K 39	CA 39	CA 40	SC 42	SC 43	CR 48
		-30.2316	-30.9509	-24.7996	-28.7860	-33.8033	-27.3000	-34.8476	-32.1090	-36.1740	-43.0700
		-37.2427	-29.1743	-26.5187	-18.8715	-19.0283	-16.5620	-29.6049	-11.4977	-11.3299	-17.8299
		0.0085	0.0182	0.0066	0.0029	0.0056	0.0045	0.0123	0.0051	0.0047	0.0042
B8		CL 38	CL 39	AR 39	AR 40	AR 41	K 41	K 42	CA 44	CA 45	V 50
		-29.8030	-29.8000	-33.2380	-35.0383	-33.0674	-35.5524	-35.0160	-41.4596	-40.8085	-49.2158
		-26.6552	-16.3386	-17.9349	-8.3207	-7.9868	-7.4402	-20.2167	-3.5467	-2.8716	-11.7048
		0.0047	0.0026	0.0027	0.0034	0.0064	0.0035	0.0027	0.0044	0.0047	0.0041
B10		CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
		-29.5196	-31.7648	-30.9509	-34.7182	-33.2380	-33.8033	-33.5333	-38.5397	-38.3959	-44.4700
		-23.7758	-15.1992	-15.2697	-8.7035	-3.1221	-9.0729	-16.5622	-3.5769	0.6567	-10.7803
		0.0026	0.0047	0.0033	0.0027	0.0034	0.0103	0.0035	0.0048	0.0043	0.0083
B11		CL 35	CL 36	AR 36	AR 37	AR 38	K 38	K 39	CA 41	CA 42	V 47
		-29.0145	-29.5196	-30.2316	-30.9509	-34.7182	-28.7860	-33.8033	-35.1250	-38.5397	-42.0100

22 TI 47

MASS EXCESS -44.9266 +/- 0.0025 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		11.6279	6.8324	16.1658	19.2391	20.2537	8.9454	23.8446	25.5327	16.2333
		0.0032	0.0042	0.0033	0.0041	0.0043	0.0036	0.0044	0.0057	0.0046
GAMMA	TI 47	TI 48	V 48	V 49	V 50	CR 50	CR 51	MN 53	MN 54	NI 59
		-48.4831	-44.4700	-47.9565	-49.2158	-50.2490	-51.4472	-54.6828	-55.5520	-61.1599
		-8.8754	-3.6990	4.6079	9.9084	7.3233	-0.3243	11.7924	16.5921	7.2300
		0.0034	0.0084	0.0042	0.0033	0.0113	0.0043	0.0066	0.0044	0.0056
N	TI 46	TI 47	V 47	V 48	V 49	CR 49	CR 50	MN 52	MN 53	NI 58
		-44.1226	-42.0100	-44.4700	-47.9565	-45.3900	-50.2490	-50.7020	-54.6828	-60.2280
		-10.4599	0.1822	9.4034	11.2921	10.6723	-0.5750	17.2835	17.9724	7.6224
		0.0045	0.0041	0.0032	0.0032	0.0033	0.0041	0.0041	0.0041	0.0065
P	SC 46	SC 47	TI 47	TI 48	TI 49	V 49	V 50	CR 52	CR 53	CO 58
		-41.7557	-44.3263	-48.4831	-48.5577	-47.9565	-49.2158	-55.4107	-55.2807	-59.8380
		-17.0019	-8.2354	-6.6509	5.3705	1.3388	-7.6813	7.4731	12.2555	1.2764
		0.0040	0.0045	0.0034	0.0032	0.0042	0.0034	0.0038	0.0041	0.0052
D	SC 45	SC 46	TI 46	TI 47	TI 48	V 48	V 49	CR 51	CR 52	CO 57
		-41.0606	-41.7557	-44.1226	-48.4831	-44.4700	-47.9565	-51.4472	-55.4107	-59.3389
		-22.0635	-10.7445	-13.5856	-2.6180	-2.9352	-12.9818	4.4609	6.4780	-3.8455
		0.0065	0.0040	0.0054	0.0034	0.0084	0.0042	0.0044	0.0038	0.0084
T	SC 44	SC 45	TI 45	TI 46	TI 47	V 47	V 48	CR 50	CR 51	CO 56
		-37.8130	-41.0606	-39.0020	-44.1226	-42.0100	-44.4700	-50.2490	-51.4472	-56.0310
		-18.3983	-10.9780	-11.5083	-4.9663	-0.5817	-8.9501	3.4463	7.2483	0.7475
		0.0048	0.0044	0.0040	0.0045	0.0041	0.0032	0.0042	0.0036	0.0047
HE3	CA 44	CA 45	SC 45	SC 46	SC 47	TI 47	TI 48	V 50	V 51	FE 56
		-41.4596	-40.8085	-41.0606	-41.7557	-44.3263	-48.4831	-49.2158	-52.1989	-60.6054
		-8.9555	2.1797	-2.2494	6.8452	9.3543	11.7026	14.6936	16.7717	10.1214
		0.0046	0.0048	0.0065	0.0040	0.0045	0.0034	0.0035	0.0042	0.0042
HE4	CA 43	CA 44	SC 44	SC 45	SC 46	TI 46	TI 47	V 49	V 50	FE 55
		-38.3959	-41.4596	-37.8130	-41.0606	-41.7557	-44.1226	-47.9565	-49.2158	-57.4728
		-27.3998	-15.9137	-23.1268	-13.2149	-9.7618	-9.9355	-21.0980	-6.4264	-3.1475
		0.0062	0.0059	0.0062	0.0093	0.0076	0.0129	0.0067	0.0094	0.0059
HE6	CA 41	CA 42	SC 42	SC 43	SC 44	TI 44	TI 45	V 47	V 48	FE 53
		-35.1250	-38.5397	-32.1090	-36.1740	-37.8130	-37.6580	-39.0020	-42.0100	-44.4700
		-23.4626	-15.9276	-13.1863	-7.4832	-2.6054	-6.2707	-15.5296	4.3754	-4.3322
		0.0044	0.0123	0.0044	0.0048	0.0049	0.0066	0.0041	0.0036	0.0044
LI6	K 41	K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53
		-35.5524	-35.0160	-38.5397	-38.3959	-41.4596	-37.8130	-41.0606	-48.4831	-54.6828

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-26.3006	-16.2101	-17.4199	-8.1583	-6.4880	-8.7286	-19.5961	-1.6229		-9.1319
	0.0030	0.0044	0.0048	0.0044	0.0048	0.0085	0.0066	0.0037		0.0066
LI7	K 40	K 41	CA 41	CA 42	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52
	-33.5333	-35.5524	-35.1250	-38.5397	-38.3959	-36.1740	-37.8130	-44.1226		-50.7020
	-32.0695	-24.2681	-23.7362	-17.6119	-12.3831	-18.8325	-27.2740	-12.7824	-6.8429	-17.6128
	0.0039	0.0032	0.0043	0.0050	0.0046	0.0050	0.0085	0.0057	0.0039	0.0501
LI8	K 39	K 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51
	-33.8033	-33.5333	-34.8476	-35.1250	-38.5397	-32.1090	-36.1740	-39.0020	-44.1226	-48.2600
	-41.1056	-28.0165	-35.3026	-21.9081	-19.8166	-26.3303	-35.3578	-18.1452	-15.9823	-27.2736
	0.0225	0.0203	0.0306	0.0204	0.0205	0.0230	0.0206	0.0235	0.0207	0.0208
LI9	K 38	K 39	CA 39	CA 40	CA 41	SC 41	SC 42	TI 44	TI 45	MN 50
	-28.7860	-33.8033	-27.3000	-34.8476	-35.1250	-28.6300	-32.1090	-37.6580	-39.0020	-42.6180
	-25.6572	-19.5567	-17.8541	-12.5436	-9.1665	-7.3683	-16.8111	-4.8514	-1.4619	-5.2848
	0.0028	0.0056	0.0044	0.0123	0.0113	0.0048	0.0049	0.0047	0.0043	0.0041
BE7	AR 40	AR 41	K 41	K 42	K 43	CA 43	CA 44	SC 46	SC 47	CR 52
	-35.0383	-33.0674	-35.5524	-35.0160	-36.5790	-38.3959	-41.4596	-41.7557	-44.3263	-55.4107
	-21.5589	-14.9677	-15.1848	-9.6079	-5.7747	-6.2208	-15.3126	-4.3757	-0.3092	-6.0281
	0.0036	0.0066	0.0037	0.0029	0.0044	0.0048	0.0044	0.0067	0.0042	0.0044
BE9	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50
	-34.7182	-33.2380	-33.8033	-33.5333	-35.5524	-35.1250	-38.5397	-37.8130	-41.0606	-50.2490
	-26.5827	-14.7440	-21.4586	-10.5944	-9.0503	-7.7547	-19.9838	-7.2712	-4.8133	-12.1436
	0.0036	0.0042	0.0105	0.0042	0.0035	0.0046	0.0052	0.0087	0.0069	0.0115
BE10	AR 37	AR 38	K 38	K 39	K 40	CA 40	CA 41	SC 43	SC 44	CR 49
	-30.9509	-34.7182	-28.7860	-33.8033	-33.5333	-34.8476	-35.1250	-36.1740	-37.8130	-45.3900
	-38.0497	-32.2783	-25.5224	-21.6464	-18.4797	-17.9024	-28.8459	-12.9528	-9.8044	-15.6508
	0.0182	0.5000	0.0030	0.0057	0.0401	0.0124	0.0114	0.0048	0.0095	0.0038
B8	CL 39	CL 40	AR 40	AR 41	AR 42	K 42	K 43	CA 45	CA 46	V 51
	-29.8000	-27.5000	-35.0383	-33.0674	-34.4200	-35.0160	-36.5790	-40.8085	-43.1380	-52.1989
	-25.2140	-19.1044	-14.9716	-10.6049	-6.9905	-8.5142	-19.0016	-4.4945	-0.6119	-9.0223
	0.0028	0.0084	0.0036	0.0065	0.0027	0.0028	0.0043	0.0048	0.0050	0.0034
B10	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49
	-31.7648	-29.8030	-34.7182	-33.2380	-35.0383	-33.5333	-35.5524	-38.3959	-41.4596	-47.9565
	-24.0747	-13.7580	-15.3544	-5.7402	-5.4063	-4.8596	-17.6362	-0.9662	-0.2911	-9.1243
	0.0048	0.0027	0.0028	0.0036	0.0065	0.0036	0.0028	0.0044	0.0048	0.0042
B11	CL 36	CL 37	AR 37	AR 38	AR 39	K 39	K 40	CA 42	CA 43	V 48
	-29.5196	-31.7648	-30.9509	-34.7182	-33.2380	-33.8033	-33.5333	-38.5397	-38.3959	-44.4700

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MASS EXCESS -48.4831 +/- 0.0020 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.1460	6.7624	13.8686	18.6658	17.8954	9.3524	21.1573	24.1290	15.9876
		0.0028	0.0030	0.0038	0.0031	0.0033	0.0036	0.0055	0.0040	0.0050
GAMMA	TI 48	TI 49	V 49	V 50	V 51	CR 51	CR 52	MN 54	MN 55	NI 60
		-48.5577	-47.9565	-49.2158	-52.1989	-51.4472	-55.4107	-55.5520	-57.7048	-64.4707
		-11.6279	-4.7955	4.5379	7.6112	8.6258	-2.6826	12.2167	13.9048	4.6054
		0.0032	0.0039	0.0030	0.0038	0.0040	0.0033	0.0041	0.0055	0.0044
N	TI 47	TI 48	V 48	V 49	V 50	CR 50	CR 51	MN 53	MN 54	NI 59
		-44.9266	-44.4700	-47.9565	-49.2158	-50.2490	-51.4472	-54.6828	-55.5520	-61.1599
		-11.4458	-3.1956	5.9215	10.6086	8.3751	-1.1484	13.5970	16.0657	6.4606
		0.0038	0.0073	0.0028	0.0039	0.0038	0.0031	0.0038	0.0044	0.0041
P	SC 47	SC 48	TI 48	TI 49	TI 50	V 50	V 51	CR 53	CR 54	CO 59
		-44.3263	-44.5050	-48.5577	-51.4307	-49.2158	-52.1989	-55.2807	-56.9305	-62.2327
		-19.8633	-9.2213	-9.4034	1.8886	1.2688	-9.9785	7.8801	8.5690	-1.7810
		0.0042	0.0038	0.0032	0.0028	0.0030	0.0038	0.0038	0.0038	0.0063
D	SC 46	SC 47	TI 47	TI 48	TI 49	V 49	V 50	CR 52	CR 53	CO 58
		-41.7557	-44.3263	-44.9266	-48.5577	-47.9565	-49.2158	-55.4107	-55.2807	-59.8380
		-22.3724	-13.6059	-12.0215	-5.3705	-4.0317	-13.0518	2.1026	6.8850	-4.0941
		0.0037	0.0042	0.0031	0.0032	0.0040	0.0030	0.0035	0.0038	0.0050
T	SC 45	SC 46	TI 46	TI 47	TI 48	V 48	V 49	CR 51	CR 52	CO 57
		-41.0606	-41.7557	-44.1226	-44.9266	-44.4700	-47.9565	-51.4472	-55.4107	-59.3389
		-22.6059	-12.2050	-14.3697	-5.9522	-3.9595	-12.4320	2.8729	2.9289	-3.2389
		0.0041	0.0092	0.0042	0.0038	0.0073	0.0029	0.0033	0.0055	0.0047
HE3	CA 45	CA 46	SC 46	SC 47	SC 48	TI 48	TI 49	V 51	V 52	FE 57
		-40.8085	-43.1380	-41.7557	-44.3263	-44.5050	-48.5577	-52.1989	-51.4360	-60.1755
		-9.4482	-2.0279	-2.5583	3.9838	8.3684	8.9501	12.3964	16.1984	9.6976
		0.0046	0.0041	0.0037	0.0042	0.0038	0.0032	0.0039	0.0033	0.0045
HE4	CA 44	CA 45	SC 45	SC 46	SC 47	TI 47	TI 48	V 50	V 51	FE 56
		-41.4596	-40.8085	-41.0606	-41.7557	-44.3263	-44.9266	-49.2158	-52.1989	-60.6054
		-27.5416	-19.6140	-22.6183	-15.1324	-10.0707	-12.1480	-7.5229	-3.2175	-9.8358
		0.0057	0.0059	0.0092	0.0075	0.0054	0.0066	0.0057	0.0051	0.0064
HE6	CA 42	CA 43	SC 43	SC 44	SC 45	TI 45	TI 46	V 48	V 49	FE 54
		-38.5397	-38.3959	-36.1740	-37.8130	-41.0606	-39.0020	-44.1226	-44.4700	-47.9565
		-27.5555	-17.9211	-16.8866	-7.9760	-6.8130	-6.5796	-18.3910	0.8935	-7.0195
		0.0122	0.0112	0.0045	0.0047	0.0043	0.0039	0.0044	0.0032	0.0055
LI6	K 42	K 43	CA 43	CA 44	CA 45	SC 45	SC 46	TI 48	TI 49	MN 54
		-35.0160	-36.5790	-38.3959	-41.4596	-40.8085	-41.0606	-41.7557	-48.5577	-55.5520

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
LI7	-27.8380	-20.3030	-17.5617	-11.8586	-6.9808	-10.6461	-19.9050	-4.3754		-8.7076
	0.0042	0.0122	0.0042	0.0045	0.0047	0.0064	0.0039	0.0036		0.0041
	K 41	K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53
	-35.5524	-35.0160	-38.5397	-38.3959	-41.4596	-37.8130	-41.0606	-44.9266		-54.6828
LI8	-35.8960	-25.8055	-27.0153	-17.7537	-16.0834	-18.3240	-29.1915	-11.2183	-9.5954	-18.7273
	0.0028	0.0043	0.0047	0.0043	0.0046	0.0084	0.0065	0.0036	0.0037	0.0065
	K 40	K 41	CA 41	CA 42	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52
	-33.5333	-35.5524	-35.1250	-38.5397	-38.3959	-36.1740	-37.8130	-44.1226	-44.9266	-50.7020
LI9	-39.6448	-31.8434	-31.3115	-25.1872	-19.9584	-26.4078	-34.8493	-20.3577	-14.4182	-25.1881
	0.0203	0.0201	0.0204	0.0205	0.0204	0.0205	0.0216	0.0207	0.0203	0.0539
	K 39	K 40	CA 40	CA 41	CA 42	SC 42	SC 43	TI 45	TI 46	MN 51
	-33.8033	-33.5333	-34.8476	-35.1250	-38.5397	-32.1090	-36.1740	-39.0020	-44.1226	-48.2600
BE7	-31.1846	-21.7606	-21.9470	-14.5371	-13.0920	-7.8611	-21.0187	-5.8373	-4.8397	-8.9713
	0.0054	0.0401	0.0122	0.0112	0.2000	0.0047	0.0043	0.0041	0.0074	0.0038
	AR 41	AR 42	K 42	K 43	K 44	CA 44	CA 45	SC 47	SC 48	CR 53
	-33.0674	-34.4200	-35.0160	-36.5790	-36.2100	-41.4596	-40.8085	-44.3263	-44.5050	-55.2807
BE9	-26.5956	-16.7239	-19.0113	-11.1453	-9.8676	-6.3626	-19.0129	-4.6846	-3.1706	-8.3864
	0.0064	0.0023	0.0025	0.0041	0.0122	0.0041	0.0045	0.0040	0.0044	0.0034
	AR 39	AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51
	-33.2380	-35.0383	-33.5333	-35.5524	-35.0160	-38.5397	-38.3959	-41.0606	-41.7557	-51.4472
BE10	-26.3719	-19.7807	-19.5978	-14.4209	-10.5877	-11.0338	-20.1256	-9.1887	-5.1222	-10.8411
	0.0039	0.0067	0.0040	0.0032	0.0046	0.0050	0.0046	0.0068	0.0044	0.0046
	AR 38	AR 39	K 39	K 40	K 41	CA 41	CA 42	SC 44	SC 45	CR 50
	-34.7182	-33.2380	-33.8033	-33.5333	-35.5524	-35.1250	-38.5397	-37.8130	-41.0606	-50.2490
B8	-43.9062		-31.0498	-23.8503		-19.8959	-32.7714	-14.1798	-14.1519	-19.9702
	0.5000	MASS	0.0055	0.0401	MASS	0.0113	0.2000	0.0094	0.0066	0.0056
	CL 40	CL 41	AR 41	AR 42	AR 43	K 43	K 44	CA 46	CA 47	V 52
	-27.5000	UNKNOWN	-33.0674	-34.4200	UNKNOWN	-36.5790	-36.2100	-43.1380	-42.3470	-51.4360
B10	-30.7323	-22.6639	-20.0083	-12.3611	-12.5179	-10.0516	-23.0945	-4.9873	-4.8195	-11.3195
	0.0083	0.0181	0.0063	0.0022	0.0053	0.0041	0.0122	0.0047	0.0043	0.0038
	CL 38	CL 39	AR 39	AR 40	AR 41	K 41	K 42	CA 44	CA 45	V 50
	-29.8030	-29.8000	-33.2380	-35.0383	-33.0674	-35.5524	-35.0160	-41.4596	-40.8085	-49.2158
B11	-25.3860	-19.2763	-15.1436	-10.7769	-7.1625	-8.6861	-19.1736	-4.6665	-0.7839	-9.1943
	0.0023	0.0083	0.0032	0.0063	0.0022	0.0024	0.0041	0.0045	0.0047	0.0030
	CL 37	CL 38	AR 38	AR 39	AR 40	K 40	K 41	CA 43	CA 44	V 49
	-31.7648	-29.8030	-34.7182	-33.2380	-35.0383	-33.5333	-35.5524	-38.3959	-41.4596	-47.9565

22 TI 49

MASS EXCESS -48.5577 +/- 0.0020 MEV

22 TI 49

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		10.9444	7.9471	16.7771	17.8282	21.7843	9.1478	23.2355	23.2534	15.6623
		0.0039	0.0038	0.0031	0.0054	0.0036	0.0036	0.0040	0.0049	0.0063
GAMMA	TI 49	TI 50	V 50	V 51	V 52	CR 52	CR 53	MN 55	MN 56	NI 61
		-51.4307	-49.2158	-52.1989	-51.4360	-55.4107	-55.2807	-57.7048	-56.9038	-64.2200
		-8.1460	-1.3836	5.7226	10.5197	9.7494	1.2063	13.0113	15.9830	7.8416
		0.0028	0.0030	0.0038	0.0031	0.0033	0.0036	0.0055	0.0040	0.0050
N	TI 48	TI 49	V 49	V 50	V 51	CR 51	CR 52	MN 54	MN 55	NI 60
		-48.4831	-47.9565	-49.2158	-52.1989	-51.4472	-55.4107	-55.5520	-57.7048	-64.4707
		-11.3417	-1.2263	8.7199	8.8413	11.2836	-1.9859	15.1722	14.1736	5.8046
		0.0073	0.0054	0.0039	0.0063	0.0031	0.0054	0.0044	0.0074	0.0049
P	SC 48	SC 49	TI 49	TI 50	TI 51	V 51	V 52	CR 54	CR 55	CO 60
		-44.5050	-46.5490	-51.4307	-49.7380	-52.1989	-51.4360	-56.9305	-55.1130	-61.6513
		-17.3673	-9.1172	-5.9215	4.6870	2.4535	-7.0700	7.6755	10.1442	0.5391
		0.0038	0.0073	0.0028	0.0039	0.0038	0.0032	0.0038	0.0044	0.0041
D	SC 47	SC 48	TI 48	TI 49	TI 50	V 50	V 51	CR 53	CR 54	CO 59
		-44.3263	-44.5050	-48.4831	-51.4307	-49.2158	-52.1989	-55.2807	-56.9305	-62.2327
		-21.7519	-11.1099	-11.2921	-1.8886	-0.6198	-11.8671	5.9915	6.6804	-3.6697
		0.0042	0.0038	0.0032	0.0028	0.0030	0.0038	0.0038	0.0038	0.0063
T	SC 46	SC 47	TI 47	TI 48	TI 49	V 49	V 50	CR 52	CR 53	CO 58
		-41.7557	-44.3263	-44.9266	-48.4831	-47.9565	-49.2158	-55.4107	-55.2807	-59.8380
		-20.3510	-13.0706	-11.8737	-5.8481	-1.9901	-9.6336	2.0354	3.1983	-1.3425
		0.0092	0.0063	0.0038	0.0073	0.0054	0.0039	0.0055	0.0501	0.0052
HE3	CA 46	CA 47	SC 47	SC 48	SC 49	TI 49	TI 50	V 52	V 53	FE 58
		-43.1380	-42.3470	-44.3263	-44.5050	-46.5490	-51.4307	-51.4360	-51.7800	-62.1465
		-10.1740	0.2270	-1.9378	6.4798	8.4725	12.4320	15.3049	15.3608	9.1930
		0.0041	0.0092	0.0042	0.0038	0.0073	0.0029	0.0033	0.0055	0.0047
HE4	CA 45	CA 46	SC 46	SC 47	SC 48	TI 48	TI 49	V 51	V 52	FE 57
		-40.8085	-43.1380	-41.7557	-44.3263	-44.5050	-48.4831	-52.1989	-51.4360	-60.1755
		-27.7600	-16.6249	-21.0539	-11.9594	-9.4502	-7.1020	-18.8045	-4.1110	-2.0328
		0.0059	0.0061	0.0075	0.0054	0.0058	0.0050	0.0051	0.0056	0.0056
HE6	CA 44	CA 44	SC 44	SC 45	SC 46	TI 46	TI 47	V 49	V 50	FE 55
		-38.3959	-41.4596	-37.8130	-41.0606	-41.7557	-44.1226	-44.9266	-47.9565	-49.2158
		-26.0671	-18.3647	-13.8975	-8.7017	-4.5581	-5.9591	-15.8950	3.6919	-4.9413
		0.0112	0.2000	0.0047	0.0043	0.0093	0.0044	0.0039	0.0042	0.0040
LI6	K 43	K 44	CA 44	CA 45	CA 46	SC 46	SC 47	TI 49	TI 50	MN 55
		-36.5790	-36.2100	-41.4596	-40.8085	-43.1380	-41.7557	-44.3263	-51.4307	-57.7048

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
	-28.4490	-18.8146	-17.7801	-8.8695	-7.7066	-7.4731	-19.2845	-0.8935		-7.9130
	0.0122	0.0112	0.0045	0.0047	0.0043	0.0039	0.0044	0.0032		0.0055
LI7	K 42	K 43	CA 43	CA 44	CA 45	SC 45	SC 46	TI 48	TI 49	MN 54
	-35.0160	-36.5790	-38.3959	-41.4596	-40.8085	-41.0606	-41.7557	-48.4831		-55.5520
	-33.9515	-26.4165	-23.6752	-17.9721	-13.0943	-16.7596	-26.0185	-10.4889	-6.1135	-14.8211
	0.0043	0.0123	0.0043	0.0046	0.0048	0.0065	0.0040	0.0037	0.0034	0.0042
LI8	K 41	K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53
	-35.5524	-35.0160	-38.5397	-38.3959	-41.4596	-37.8130	-41.0606	-44.9266	-48.4831	-54.6828
	-39.9894	-29.8989	-31.1087	-21.8471	-20.1768	-22.4174	-33.2849	-15.3117	-13.6888	-22.8207
	0.0201	0.0204	0.0205	0.0204	0.0205	0.0216	0.0210	0.0203	0.0203	0.0210
LI9	K 40	K 41	CA 41	CA 42	CA 43	SC 43	SC 44	TI 46	TI 47	MN 52
	-33.5333	-35.5524	-35.1250	-38.5397	-38.3959	-36.1740	-37.8130	-44.1226	-44.9266	-50.7020
	-29.9066		-20.4586	-14.9807	-12.7466	-8.5868	-18.7638	-5.7332	-2.8703	-7.3961
	0.0401	MASS	0.0112	0.2000	0.2000	0.0043	0.0093	0.0074	0.0056	0.0044
BE7	AR 42	AR 43	K 43	K 44	K 45	CA 45	CA 46	SC 48	SC 49	CR 54
	-34.4200	UNKNOWN	-36.5790	-36.2100	-36.6300	-40.8085	-43.1380	-44.5050	-46.5490	-56.9305
	-24.8699	-18.7694	-17.0668	-11.7563	-8.3792	-6.5810	-16.0238	-4.0641	-0.6746	-4.4975
	0.0023	0.0054	0.0041	0.0122	0.0112	0.0045	0.0047	0.0044	0.0040	0.0037
BE9	AR 40	AR 41	K 41	K 42	K 43	CA 43	CA 44	SC 46	SC 47	CR 52
	-35.0383	-33.0674	-35.5524	-35.0160	-36.5790	-38.3959	-41.4596	-41.7557	-44.3263	-55.4107
	-27.9267	-18.0550	-20.3424	-12.4764	-11.1988	-7.6937	-20.3440	-6.0157	-4.5017	-9.7175
	0.0067	0.0031	0.0032	0.0046	0.0124	0.0046	0.0049	0.0044	0.0049	0.0039
BE10	AR 39	AR 40	K 40	K 41	K 42	CA 42	CA 43	SC 45	SC 46	CR 51
	-33.2380	-35.0383	-33.5333	-35.5524	-35.0160	-38.5397	-38.3959	-41.0606	-41.7557	-51.4472
			-29.7718			-20.3395	-32.4260	-15.0454	-12.3575	-19.7008
	MASS	MASS	0.0401	MASS	MASS	0.2000	0.2000	0.0066	0.0094	0.0501
BE8	CL 41	CL 42	AR 42	AR 43	AR 44	K 44	K 45	CA 47	CA 48	V 53
	UNKNOWN	UNKNOWN	-34.4200	UNKNOWN	UNKNOWN	-36.2100	-36.6300	-42.3470	-44.2160	-51.7800
	-30.8099	-25.0385	-18.2826	-14.4066	-11.2399	-10.6626	-21.6061	-5.7130	-2.5646	-8.4110
	0.0181	0.5000	0.0022	0.0053	0.0401	0.0122	0.0112	0.0043	0.0093	0.0032
B10	CL 39	CL 40	AR 40	AR 41	AR 42	K 42	K 43	CA 45	CA 46	V 51
	-29.8000	-27.5000	-35.0383	-33.0674	-34.4200	-35.0160	-36.5790	-40.8085	-43.1380	-52.1989
	-27.4224	-19.3539	-16.6984	-9.0512	-9.2080	-6.7416	-19.7846	-1.6774	-1.5096	-8.0096
	0.0083	0.0181	0.0063	0.0022	0.0053	0.0040	0.0122	0.0047	0.0043	0.0038
B11	CL 38	CL 39	AR 39	AR 40	AR 41	K 41	K 42	CA 44	CA 45	V 50
	-29.8030	-29.8000	-33.2380	-35.0383	-33.0674	-35.5524	-35.0160	-41.4596	-40.8085	-49.2158

22 TI 50

MASS EXCESS -51.4307 +/- 0.0033 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2

OUTGOING										
		6.3787	8.0572	13.1412	15.2993	18.7813	7.9246	19.5615	20.9566	15.3173
		0.0068	0.0041	0.0060	0.0501	0.0045	0.0050	0.0055	0.3000	0.0060
GAMMA	TI 50	TI 51	V 51	V 52	V 53	CR 53	CR 54	MN 56	MN 57	NI 62
		-49.7380	-52.1989	-51.4360	-51.7800	-55.2807	-56.9305	-56.9038	-57.4800	-66.7480
N										
	-10.9444		-2.9973	5.8327	6.8838	10.8399	-1.7967	12.2911	12.3090	4.7179
	0.0039		0.0046	0.0041	0.0060	0.0045	0.0045	0.0048	0.0055	0.0068
	TI 49	TI 50	V 50	V 51	V 52	CR 52	CR 53	MN 55	MN 56	NI 61
	-48.5577		-49.2158	-52.1989	-51.4360	-55.4107	-55.2807	-57.7048	-56.9038	-64.2200
P										
	-12.1707	-5.6882		4.1542	5.7703	7.6477	-4.5149	10.4817	11.4776	4.2103
	0.0060	0.2000		0.0068	1.0000	0.0060	0.0501	0.0078	0.1500	0.0401
	SC 49	SC 50	TI 50	TI 51	TI 52	V 52	V 53	CR 55	CR 56	CO 61
	-46.5490	-44.9600		-49.7380	-49.5400	-51.4360	-51.7800	-55.1130	-55.2900	-62.9300
D										
	-20.0616	-9.9462	-8.7199		0.1213	2.5636	-10.7059	6.4523	5.4537	-2.9153
	0.0077	0.0060	0.0039		0.0069	0.0041	0.0060	0.0052	0.0078	0.0056
	SC 48	SC 49	TI 49	TI 50	TI 51	V 51	V 52	CR 54	CR 55	CO 60
	-44.5050	-46.5490	-48.5577		-49.7380	-52.1989	-51.4360	-56.9305	-55.1130	-61.6513
T										
	-22.0543	-13.8042	-10.6086	-4.6870		-2.2335	-11.7570	2.9885	5.4572	-4.1479
	0.0046	0.0077	0.0039	0.0039		0.0046	0.0041	0.0046	0.0052	0.0049
	SC 47	SC 48	TI 48	TI 49	TI 50	V 50	V 51	CR 53	CR 54	CO 59
	-44.3263	-44.5050	-48.4831	-48.5577		-49.2158	-52.1989	-55.2807	-56.9305	-62.2327
HE3										
	-24.0150	-14.0746	-14.5680	-6.6771	-6.4521		-14.1993	-0.4936	-1.8247	-5.7021
	0.0069	0.0096	0.0077	0.0060	0.2000		0.0069	0.0501	1.0000	0.0054
	CA 47	CA 48	SC 48	SC 49	SC 50	TI 50	TI 51	V 53	V 54	FE 59
	-42.3470	-44.2160	-44.5050	-46.5490	-44.9600		-49.7380	-51.7800	-49.6300	-60.6599
HE4										
	-10.7174	-3.4370	-2.2402	3.7855	7.6435	9.6336		11.6690	12.8319	8.2911
	0.0096	0.0069	0.0046	0.0077	0.0060	0.0039		0.0061	0.0501	0.0058
	CA 46	CA 47	SC 47	SC 48	SC 49	TI 49	TI 50	V 52	V 53	FE 58
	-43.1380	-42.3470	-44.3263	-44.5050	-46.5490	-48.5577		-51.4360	-51.7800	-62.1465
HE6										
	-27.5693	-20.1490	-20.6793	-14.1373	-9.7526	-9.1710	-18.1210	-5.7247	-1.9227	-8.4235
	0.0066	0.0063	0.0060	0.0064	0.0061	0.0058	0.0056	0.0062	0.0058	0.0065
	CA 44	CA 45	SC 45	SC 46	SC 47	TI 47	TI 48	V 50	V 51	FE 56
	-41.4596	-40.8085	-41.0606	-41.7557	-44.3263	-44.9266	-48.4831	-49.2158	-52.1989	-60.6054
LI6										
	-29.3091	-20.8177	-17.4216	-9.2452	-8.2221	-6.2615	-18.5893		-0.8738	-8.6153
	0.2000	0.2000	0.0050	0.0096	0.0069	0.0047	0.0078		0.0070	0.0055
	K 44	K 45	CA 45	CA 46	CA 47	SC 47	SC 48	TI 50	TI 51	MN 56
	-36.2100	-36.6300	-40.8085	-43.1380	-42.3470	-44.3263	-44.5050		-49.7380	-56.9038

	INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
	-29.7590		-22.0566	-17.5894	-12.3936	-8.2500	-9.6510	-19.5869	-3.6919		-8.6332
	0.0115		0.2000	0.0054	0.0050	0.0097	0.0051	0.0047	0.0042		0.0048
LI7	K 43		K 44	CA 44	CA 45	CA 46	SC 46	SC 47	TI 49	TI 50	MN 55
	-36.5790		-26.2100	-41.4596	-40.8085	-43.1380	-41.7557	-44.3263	-48.5577		-57.7048
	-37.3609		-27.7265	-26.6920	-17.7814	-16.6184	-16.3850	-28.1964	-9.8054	-8.9119	-16.8249
	0.0125		0.0116	0.0053	0.0055	0.0051	0.0048	0.0052	0.0043	0.0043	0.0062
LI8	K 42		K 43	CA 43	CA 44	CA 45	SC 45	SC 46	TI 48	TI 49	MN 54
	-35.0160		-36.5790	-38.3959	-41.4596	-40.8085	-41.0606	-41.7557	-48.4831	-48.5577	-55.5520
	-40.8433		-33.3083	-30.5670	-24.8639	-19.9861	-23.6514	-32.9103	-17.3807	-13.0053	-21.7129
	0.0206		0.0236	0.0206	0.0206	0.0207	0.0211	0.0205	0.0205	0.0204	0.0206
LI9	K 41		K 42	CA 42	CA 43	CA 44	SC 44	SC 45	TI 47	TI 48	MN 53
	-35.5524		-35.0160	-38.5397	-38.3959	-41.4596	-37.8130	-41.0606	-44.9266	-48.4831	-54.6828
				-23.7006	-17.4337	-16.9096	-9.1303	-22.4278	-6.5622	-7.3323	-12.0866
	MASS		MASS	0.2000	0.2000	1.0000	0.0097	0.0069	0.0062	0.2000	0.0078
BE7	AR 43		AR 44	K 44	K 45	K 46	CA 46	CA 47	SC 49	SC 50	CR 55
	UNKNOWN		UNKNOWN	-36.2100	-36.6300	-35.3400	-43.1380	-42.3470	-46.5490	-44.9600	-55.1130
	-29.7138		-20.2898	-20.4762	-13.0663	-11.6212	-6.3903	-19.5479	-4.3665	-3.3689	-7.5005
	0.0060		0.0401	0.0125	0.0115	0.2000	0.0053	0.0050	0.0048	0.0079	0.0045
BE9	AR 41		AR 42	K 42	K 43	K 44	CA 44	CA 45	SC 47	SC 48	CR 53
	-33.0674		-34.4200	-35.0160	-36.5790	-36.2100	-41.4596	-40.8085	-44.3263	-44.5050	-55.2807
	-28.9994		-22.8989	-21.1963	-15.8858	-12.5087	-10.7105	-20.1533	-8.1936	-4.8041	-8.6270
	0.0040		0.0063	0.0053	0.0126	0.0117	0.0056	0.0057	0.0055	0.0052	0.0050
BE10	AR 40		AR 41	K 41	K 42	K 43	CA 43	CA 44	SC 46	SC 47	CR 52
	-35.0383		-33.0674	-35.5524	-35.0160	-36.5790	-38.3959	-41.4596	-41.7557	-44.3263	-55.4107
							-22.7925	-36.5890	-16.0494	-18.1585	-24.7238
	MASS		MASS	MASS	MASS	MASS	0.2000	1.0000	0.0098	0.0116	1.0000
BE8	CL 42		CL 43	AR 43	AR 44	AR 45	K 45	K 46	CA 48	CA 49	V 54
	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	-36.6300	-35.3400	-44.2160	-41.2880	-49.6300
	-35.9829			-23.1265	-15.9270		-11.9726	-24.8481	-6.2565	-6.2286	-12.0469
	0.5000		MASS	0.0059	0.0401	MASS	0.0115	0.2000	0.0097	0.0070	0.0060
B10	CL 40		CL 41	AR 41	AR 42	AR 43	K 43	K 44	CA 46	CA 47	V 52
	-27.5000		UNKNOWN	-33.0674	-34.4200	UNKNOWN	-36.5790	-36.2100	-43.1380	-42.3470	-51.4360
	-30.2984		-24.5269	-17.7711	-13.8951	-10.7284	-10.1510	-21.0946	-5.2015	-2.0531	-7.8995
	0.0183		0.5000	0.0034	0.0059	0.0401	0.0125	0.0115	0.0050	0.0097	0.0041
B11	CL 39		CL 40	AR 40	AR 41	AR 42	K 42	K 43	CA 45	CA 46	V 51
	-29.8000		-27.5000	-35.0383	-33.0674	-34.4200	-35.0160	-36.5790	-40.8085	-43.1380	-52.1989

23 V 51

MASS EXCESS -52.1989 +/- 0.0024 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.3085	10.5008	16.2177	19.6816	18.2844	7.9307	22.0650	24.8549	13.3842
		0.0055	0.0038	0.0038	0.0045	0.0056	0.0041	0.0050	0.0055	0.0055
GAMMA	V 51	V 52	CR 52	CR 53	CR 54	MN 54	MN 55	FE 57	FE 58	CU 63
		-51.4360	-55.4107	-55.2807	-56.9305	-55.5520	-57.7048	-60.1755	-62.1465	-65.5831
		-11.0545	-1.5342	8.2763	9.9603	9.3438	-2.2936	14.4235	14.8125	2.5427
		0.0040	0.0035	0.0038	0.0038	0.0042	0.0056	0.0048	0.0050	0.0103
N	V 50	V 51	CR 51	CR 52	CR 53	MN 53	MN 54	FE 56	FE 57	CU 62
		-49.2158	-51.4472	-55.4107	-55.2807	-54.6828	-55.5520	-60.6054	-60.1755	-62.8130
		-8.0572	-1.6785	5.0840	7.2421	10.7242	-0.1326	11.5043	12.8994	7.2601
		0.0041	0.0065	0.0055	0.0501	0.0038	0.0045	0.0050	0.3000	0.0055
P	TI 50	TI 51	V 51	V 52	V 53	CR 53	CR 54	MN 56	MN 57	NI 62
		-51.4307	-49.7380	-51.4360	-51.7800	-55.2807	-56.9305	-56.9038	-57.4800	-66.7480
		-16.7771	-5.8327	-8.8300	1.0511	5.0072	-7.6294	6.4584	6.4763	-1.1148
		0.0031	0.0041	0.0040	0.0056	0.0038	0.0039	0.0042	0.0050	0.0065
D	TI 49	TI 50	V 50	V 51	V 52	CR 52	CR 53	MN 55	MN 56	NI 61
		-48.5577	-51.4307	-49.2158	-51.4360	-55.4107	-55.2807	-57.7048	-56.9038	-64.2200
		-18.6657	-10.5197	-11.9034	-4.7971	-0.7703	-9.3134	2.4916	5.4633	-2.6781
		0.0031	0.0031	0.0033	0.0040	0.0036	0.0039	0.0057	0.0042	0.0052
T	TI 48	TI 49	V 49	V 50	V 51	CR 51	CR 52	MN 54	MN 55	NI 60
		-48.4831	-48.5577	-47.9565	-49.2158	-51.4472	-55.4107	-55.5520	-57.7048	-64.4707
		-22.6252	-12.5098	-11.2835	-2.5636	-2.4423	-13.2695	3.8887	2.8901	-5.4789
		0.0074	0.0056	0.0031	0.0041	0.0065	0.0056	0.0046	0.0075	0.0051
HE3	SC 48	SC 49	TI 49	TI 50	TI 51	V 51	V 52	CR 54	CR 55	CO 60
		-44.5050	-46.5490	-48.5577	-51.4307	-49.7380	-51.4360	-56.9305	-55.1130	-61.6513
		-10.2973	-2.0472	1.1484	7.0700	11.7570	9.5235	14.7455	17.2141	7.6090
		0.0040	0.0074	0.0031	0.0032	0.0041	0.0040	0.0040	0.0046	0.0043
HE4	SC 47	SC 48	TI 48	TI 49	TI 50	V 50	V 51	CR 53	CR 54	CO 59
		-44.3263	-44.5050	-48.4831	-48.5577	-51.4307	-49.2158	-55.2807	-56.9305	-62.2327
		-28.7365	-19.9700	-18.3855	-11.7346	-6.3640	-10.3958	-19.4158	-4.2615	0.5209
		0.0056	0.0060	0.0052	0.0053	0.0051	0.0058	0.0052	0.0055	0.0066
HE6	SC 45	SC 46	TI 46	TI 47	TI 48	V 48	V 49	CR 51	CR 52	CO 57
		-41.0606	-41.7557	-44.1226	-44.9266	-48.4831	-44.4700	-47.9565	-51.4472	-55.4107
		-25.4788	-15.0779	-17.2426	-8.8251	-6.8323	-2.8729	-15.3048	0.0560	-6.1118
		0.0045	0.0094	0.0045	0.0042	0.0075	0.0033	0.0033	0.0058	0.0050
LI6	CA 45	CA 46	SC 46	SC 47	SC 48	TI 48	TI 49	V 51	V 52	FE 57
		-40.8085	-43.1380	-41.7557	-44.3263	-44.5050	-48.4831	-48.5577	-51.4360	-60.1755

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING		9.2696	5.3000	13.5889	19.3837	15.3803	8.4213	19.8704	23.9972	10.8740
GAMMA	CR 50	0.0044	0.0501	0.0069	0.0049	0.0451	0.0058	0.0088	0.0059	0.0135
		CR 51	MN 51	MN 52	MN 53	FE 53	FE 54	CO 56	CO 57	ZN 62
		-51.4472	-48.2600	-50.7020	-54.6828	-50.6980	-56.2455	-56.0310	-59.3389	-61.1230
N		-12.9304	-8.4134	3.0755	7.3315	4.9389	-5.1977	9.7820	12.6179	-1.7404
		0.0115	0.0061	0.0501	0.0070	0.0135	0.0451	0.0116	0.0088	0.2000
	CR 49	CR 50	MN 50	MN 51	MN 52	FE 52	FE 53	CO 55	CO 56	ZN 61
		-45.3900	-42.6180	-48.2600	-50.7020	-48.3280	-50.6980	-54.0140	-56.0310	-56.5800
P		-9.5815	-0.2508	7.0451	12.8227	8.0954	-0.4304	14.0232	17.9747	4.4460
		0.0041	0.0047	0.0044	0.0046	0.0069	0.0049	0.0050	0.0054	0.0078
	V 49	V 50	CR 50	CR 51	CR 52	MN 52	MN 53	FE 55	FE 56	CU 61
		-47.9565	-49.2158	-51.4472	-55.4107	-50.7020	-54.6828	-57.4728	-60.6054	-61.9840
D		-18.9149	-7.3570	-10.7059	3.0122	-0.1936	-10.2582	6.9490	8.9952	-5.0389
		0.0049	0.0041	0.0115	0.0044	0.0501	0.0070	0.0059	0.0050	0.0087
	V 48	V 49	CR 49	CR 50	CR 51	MN 51	MN 52	FE 54	FE 55	CU 60
		-44.4700	-47.9565	-45.3900	-51.4472	-48.2600	-50.7020	-56.2455	-57.4728	-58.3460
T		-23.1889	-12.6575	-14.8400	-6.6730	-7.6496	-14.5142	-0.4125	5.9539	-8.8399
		0.0087	0.0049	0.2000	0.0115	0.0061	0.0501	0.0451	0.0059	0.0213
	V 47	V 48	CR 48	CR 49	CR 50	MN 50	MN 51	FE 53	FE 54	CU 59
		-42.0100	-44.4700	-43.0700	-45.3900	-42.6180	-48.2600	-50.6980	-56.2455	-56.3590
HE3		-20.2537	-8.6258	-13.4214	-4.0879	-1.0146	-11.3084	3.5909	5.2790	-4.0204
		0.0043	0.0040	0.0049	0.0041	0.0048	0.0044	0.0050	0.0062	0.0052
	TI 47	TI 48	V 48	V 49	V 50	CR 50	CR 51	MN 53	MN 54	NI 59
		-44.9266	-48.4831	-44.4700	-47.9565	-49.2158	-51.4472	-54.6828	-55.5520	-61.1599
HE4		-8.5511	0.3243	-3.3748	4.9322	10.2327	7.6476	12.1167	16.9163	7.5543
		0.0042	0.0043	0.0087	0.0049	0.0042	0.0116	0.0070	0.0050	0.0061
	TI 46	TI 47	V 47	V 48	V 49	CR 49	CR 50	MN 52	MN 53	NI 58
		-44.1226	-44.9266	-42.0100	-44.4700	-47.9565	-45.3900	-50.7020	-54.6828	-60.2280
HE6		-30.1892	-20.7738	-17.6423	-10.8872	-22.3524	-11.1408	-4.6799	-13.9292	
		0.0131	0.0072	MASS	0.0061	0.0096	0.2001	0.0074	0.0503	
	TI 44	TI 45	V 45	V 46	V 47	CR 47	CR 48	MN 50	MN 51	
		-37.6580	-39.0020	UNKNOWN	-37.0690	-42.0100	UNKNOWN	-43.0700	-48.2600	-53.9180
LI6		-26.5244	-15.2054	-18.0464	-7.0789	-4.4608	-7.3961	-17.4426	2.0171	-8.3064
		0.0070	0.0048	0.0060	0.0043	0.0044	0.0088	0.0050	0.0046	0.0088
	SC 44	SC 45	TI 45	TI 46	TI 47	V 47	V 48	CR 50	CR 51	CO 56
		-37.8130	-41.0606	-39.0020	-44.1226	-44.9266	-42.0100	-44.4700	-51.4472	-56.0310

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.9414	6.5611	13.2772	17.2441	16.9934	7.6195	18.5157	21.7293	10.5896
		0.0042	0.0045	0.0058	0.0045	0.0045	0.0050	0.0068	0.0048	0.0055
GAMMA	CR 52	CR 53	MN 53	MN 54	MN 55	FE 55	FE 56	CO 58	CO 59	ZN 64
		-55.2807	-54.6828	-55.5520	-57.7048	-57.4728	-60.6054	-59.8380	-62.2327	-66.0003
		-12.0349	-5.4911	4.3366	7.0198	7.6947	-3.5846	9.9452	11.2632	-1.2651
		0.0040	0.0067	0.0045	0.0058	0.0055	0.0046	0.0056	0.0068	0.0067
N	CR 51	CR 52	MN 52	MN 53	MN 54	FE 54	FE 55	CO 57	CO 58	ZN 63
		-51.4472	-50.7020	-54.6828	-55.5520	-56.2455	-57.4728	-59.3389	-59.8380	-62.2170
		-10.5008	-3.1922	5.7169	9.1808	7.7837	-2.5701	11.5642	14.3541	2.8834
		0.0038	0.0058	0.0042	0.0048	0.0058	0.0045	0.0053	0.0058	0.0057
P	V 51	V 52	CR 52	CR 53	CR 54	MN 54	MN 55	FE 57	FE 58	CU 63
		-52.1989	-51.4360	-55.2807	-56.9305	-55.5520	-57.7048	-60.1755	-62.1465	-65.5831
		-19.3308	-8.2763	-9.8104	1.6840	1.0675	-10.5699	6.1472	6.5362	-5.7336
		0.0044	0.0038	0.0040	0.0042	0.0045	0.0058	0.0051	0.0053	0.0104
D	V 50	V 51	CR 51	CR 52	CR 53	MN 53	MN 54	FE 56	FE 57	CU 62
		-49.2158	-52.1989	-51.4472	-55.2807	-54.6828	-55.5520	-60.6054	-60.1755	-62.8130
		-22.4041	-13.0734	-12.8227	-5.7775	-4.7273	-13.2531	1.2006	5.1521	-8.3766
		0.0037	0.0044	0.0046	0.0040	0.0067	0.0046	0.0047	0.0051	0.0076
T	V 49	V 50	CR 50	CR 51	CR 52	MN 52	MN 53	FE 55	FE 56	CU 61
		-47.9565	-49.2158	-50.2490	-51.4472	-50.7020	-54.6828	-57.4728	-60.6054	-61.9840
		-21.7843	-10.8399	-13.8372	-5.0072	-3.9561	-12.6366	1.4512	1.4691	-6.1220
		0.0036	0.0045	0.0044	0.0038	0.0058	0.0043	0.0046	0.0054	0.0067
HE3	TI 49	TI 50	V 50	V 51	V 52	CR 52	CR 53	MN 55	MN 56	NI 61
		-48.5577	-51.4307	-49.2158	-52.1989	-51.4360	-55.2807	-57.7048	-56.9038	-64.2200
		-9.3523	-1.2063	-2.5900	4.5163	9.3134	8.5431	11.8050	14.7767	6.6353
		0.0036	0.0036	0.0037	0.0044	0.0039	0.0040	0.0059	0.0046	0.0055
HE4	TI 48	TI 49	V 49	V 50	V 51	CR 51	CR 52	MN 54	MN 55	NI 60
		-48.4831	-48.5577	-47.9565	-49.2158	-52.1989	-51.4472	-55.5520	-57.7048	-64.4707
		-28.8863	-20.0109	-23.7099	-15.4030	-10.1024	-12.6876	-20.3351	-8.2185	-3.4188
		0.0055	0.0056	0.0094	0.0060	0.0055	0.0121	0.0061	0.0079	0.0071
HE6	TI 46	TI 47	V 47	V 48	V 49	CR 49	CR 50	MN 52	MN 53	NI 58
		-44.1226	-44.9266	-42.0100	-44.4700	-47.9565	-45.3900	-50.2490	-50.7020	-54.6828
		-27.7434	-17.1014	-17.2835	-7.8801	-5.9914	-6.6113	-17.8585	0.6889	-9.6611
		0.0049	0.0045	0.0041	0.0038	0.0038	0.0039	0.0045	0.0045	0.0068
LI6	SC 46	SC 47	TI 47	TI 48	TI 49	V 49	V 50	CR 52	CR 53	CO 58
		-41.7557	-44.3263	-44.9266	-48.4831	-48.5577	-47.9565	-49.2158	-55.2807	-59.8380

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MASS EXCESS -55.2807 +/- 0.0030 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			9.7212	7.5603	15.5600	16.5731	20.2560	7.3196	21.0404	21.2779	10.6363
			0.0048	0.0058	0.0045	0.0052	0.0050	0.0052	0.0048	0.0055	0.0058
GAMMA	CR 53	CR 54	MN 54	MN 55	MN 56	FE 56	FE 57	CO 59	CO 60	ZN 65	
		-56.9305	-55.5520	-57.7048	-56.9038	-60.6054	-60.1755	-62.2327	-61.6513	-65.9170	
		-7.9414		-1.3804	5.3358	9.3026	9.0520	-0.3220	10.5743	13.7879	2.6482
		0.0042		0.0045	0.0058	0.0045	0.0045	0.0050	0.0068	0.0048	0.0055
N	CR 52	CR 53	MN 53	MN 54	MN 55	FE 55	FE 56	CO 58	CO 59	ZN 64	
		-55.4107		-54.6828	-55.5520	-57.7048	-57.4728	-60.6054	-59.8380	-62.2327	-66.0003
		-11.1337	-2.7182		7.4967	7.4933	10.0665	-3.2411	13.6652	12.9975	2.8579
		0.0058	0.0501		0.0048	0.0076	0.0045	0.0053	0.0058	0.0054	0.0057
P	V 52	V 53	CR 53	CR 54	CR 55	MN 55	MN 56	FE 58	FE 59	CU 64	
		-51.4360	-51.7800		-56.9305	-55.1130	-57.7048	-56.9038	-62.1465	-60.6599	-65.4276
		-16.2177	-8.9092	-5.7169		3.4638	2.0667	-8.2871	5.8473	8.6372	-2.8335
		0.0038	0.0058	0.0042		0.0048	0.0058	0.0045	0.0053	0.0058	0.0057
D	V 51	V 52	CR 52	CR 53	CR 54	MN 54	MN 55	FE 57	FE 58	CU 63	
		-52.1989	-51.4360	-55.4107		-56.9305	-55.5520	-57.7048	-60.1755	-62.1465	-65.5831
		-21.0149	-9.9603	-11.4945	-1.6840		-0.6165	-12.2539	4.4632	4.8521	-7.4176
		0.0044	0.0038	0.0040	0.0042		0.0045	0.0058	0.0051	0.0053	0.0104
T	V 50	V 51	CR 51	CR 52	CR 53	MN 53	MN 54	FE 56	FE 57	CU 62	
		-49.2158	-52.1989	-51.4472	-55.4107		-54.6828	-55.5520	-60.6054	-60.1755	-62.8130
		-18.7813	-12.4026	-10.7241	-5.6401	-3.4821		-10.8568	0.7802	2.1753	-3.4640
		0.0045	0.0067	0.0038	0.0058	0.0501		0.0049	0.0054	0.3000	0.0058
HE3	TI 50	TI 51	V 51	V 52	V 53	CR 53	CR 54	MN 56	MN 57	NI 62	
		-51.4307	-49.7380	-52.1989	-51.4360	-51.7800		-56.9305	-56.9038	-57.4800	-66.7480
		-9.1477	1.7967	-1.2007	7.6294	8.6805	12.6366		14.0878	14.1056	6.5146
		0.0036	0.0045	0.0044	0.0039	0.0058	0.0043		0.0046	0.0054	0.0067
HE4	TI 49	TI 50	V 50	V 51	V 52	CR 52	CR 53	MN 55	MN 56	NI 61	
		-48.5577	-51.4307	-49.2158	-52.1989	-51.4360	-55.4107		-57.7048	-56.9038	-64.2200
		-27.9523	-16.3244	-21.1199	-11.7865	-8.7132	-7.6986	-19.0069	-4.1077	-2.4196	-11.7190
		0.0056	0.0054	0.0060	0.0055	0.0059	0.0061	0.0056	0.0061	0.0072	0.0063
HE6	TI 47	TI 48	V 48	V 49	V 50	CR 50	CR 51	MN 53	MN 54	NI 59	
		-44.9266	-48.4831	-44.4700	-47.9565	-49.2158	-50.2490	-51.4472	-54.6828	-55.5520	-61.1599
		-25.0428	-16.7927	-13.5970	-7.6755	-2.9885	-5.2220	-14.7454		2.4687	-7.1364
		0.0045	0.0077	0.0038	0.0038	0.0046	0.0045	0.0040		0.0051	0.0048
LI6	SC 47	SC 48	TI 48	TI 49	TI 50	V 50	V 51	CR 53	CR 54	CO 59	
		-44.3263	-44.5050	-48.4831	-48.5577	-51.4307	-49.2158	-52.1989		-56.9305	-62.2327

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.2539	8.0633	13.1092	15.4995	18.1763	7.6408	18.8092	20.9068	11.9505
		0.0080	0.0050	0.0057	0.3000	0.0057	0.0061	0.0060	0.0402	0.0071
GAMMA	CR 54	CR 55	MN 55	MN 56	MN 57	FE 57	FE 58	CO 60	CO 61	ZN 66
		-55.1130	-57.7048	-56.9038	-57.4800	-60.1755	-62.1465	-61.6513	-62.9300	-68.8810
		-9.7212	-2.1609	5.8388	6.8518	10.5348	-2.4017	11.3192	11.5567	0.9151
		0.0048	0.0063	0.0050	0.0057	0.0055	0.0057	0.0053	0.0060	0.0063
N	CR 53	CR 54	MN 54	MN 55	MN 56	FE 56	FE 57	CO 59	CO 60	ZN 65
		-55.2807	-55.5520	-57.7048	-56.9038	-60.6054	-60.1755	-62.2327	-61.6513	-65.9170
		-12.4395	-6.5180	4.0294	6.0205	7.6157	-4.2147	10.5288	12.1988	3.0465
		0.0501	1.0000	0.0080	0.1500	0.0057	0.3000	0.0058	0.0303	0.0063
P	V 53	V 54	CR 54	CR 55	CR 56	MN 56	MN 57	FE 59	FE 60	CU 65
		-51.7800	-49.6300	-55.1130	-55.2900	-56.9038	-57.4800	-60.6599	-61.5110	-67.2660
		-18.6304	-10.2150	-7.4967	-0.0035	2.5697	-10.7379	6.1685	5.5008	-4.6388
		0.0063	0.0501	0.0048	0.0080	0.0050	0.0058	0.0062	0.0058	0.0061
D	V 52	V 53	CR 53	CR 54	CR 55	MN 55	MN 56	FE 58	FE 59	CU 64
		-51.4360	-51.7800	-55.2807	-55.1130	-57.7048	-56.9038	-62.1465	-60.6599	-65.4276
		-19.6815	-12.3730	-9.1808	-3.4638	-1.3971	-11.7509	2.3835	5.1734	-6.2973
		0.0045	0.0063	0.0048	0.0048	0.0063	0.0051	0.0058	0.0062	0.0062
T	V 51	V 52	CR 52	CR 53	CR 54	MN 54	MN 55	FE 57	FE 58	CU 63
		-52.1989	-51.4360	-55.4107	-55.2807	-55.5520	-57.7048	-60.1755	-62.1465	-65.5831
		-22.1238	-14.2504	-13.1368	-6.9459	-7.2819	-14.3241	-0.2934	-1.3045	-6.3458
		0.0071	1.0000	0.0063	0.0501	1.0000	0.0080	0.3000	1.0000	0.0063
HE3	TI 51	TI 52	V 52	V 53	V 54	CR 54	CR 55	MN 57	MN 58	NI 63
		-49.7380	-49.5400	-51.4360	-51.7800	-49.6300	-55.1130	-57.4800	-55.6500	-65.5160
		-7.9246	-1.5458	0.1326	5.2167	7.3747	10.8568	11.6370	13.0321	7.3928
		0.0050	0.0071	0.0045	0.0063	0.0501	0.0049	0.0059	0.3000	0.0063
HE4	TI 50	TI 51	V 51	V 52	V 53	CR 53	CR 54	MN 56	MN 57	NI 62
		-51.4307	-49.7380	-52.1989	-51.4360	-51.7800	-55.2807	-56.9038	-57.4800	-66.7480
		-26.0456	-17.8996	-19.2832	-12.1770	-7.3798	-8.1502	-16.6932	-4.8883	-10.0580
		0.0059	0.0059	0.0059	0.0064	0.0060	0.0061	0.0063	0.0075	0.0072
HE6	TI 48	TI 49	V 49	V 50	V 51	CR 51	CR 52	MN 54	MN 55	NI 60
		-48.4831	-48.5577	-47.9565	-49.2158	-52.1989	-51.4472	-55.4107	-55.5520	-64.4707
		-26.5139	-16.3985	-15.1722	-6.4523	-6.3309	-3.8887	-17.1581	-0.9986	-9.3676
		0.0080	0.0064	0.0044	0.0052	0.0072	0.0046	0.0064	0.0081	0.0060
LI6	SC 48	SC 49	TI 49	TI 50	TI 51	V 51	V 52	CR 54	CR 55	CO 60
		-44.5050	-46.5490	-48.5577	-51.4307	-49.7380	-52.1989	-51.4360	-55.1130	-61.6513

25 MN 55

MASS EXCESS -57.7048 +/- 0.0033 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12

OUTGOING										
		7.2704	10.1896	15.6066	19.3917	17.0645	6.9527	20.6036	23.9505	9.1572
		0.0054	0.0052	0.0053	0.0058	0.0069	0.0049	0.0069	0.0061	0.0105
GAMMA	MN 55	MN 56	FE 56	FE 57	FE 58	CO 58	CO 59	NI 61	NI 62	GA 67
		-56.9038	-60.6054	-60.1755	-62.1465	-59.8380	-62.2327	-64.2200	-66.7480	-66.8620
		-10.2242	-1.0145	7.9651	9.3492	8.4940	-3.5135	12.7829	13.3511	-2.0702
		0.0060	0.0047	0.0052	0.0053	0.0057	0.0069	0.0058	0.0069	0.0068
N	MN 54	MN 55	FE 55	FE 56	FE 57	CO 57	CO 58	NI 60	NI 61	GA 66
		-55.5520	-57.4728	-60.6054	-60.1755	-59.3389	-59.8380	-64.4707	-64.2200	-63.7060
		-8.0633	-1.8094	5.0459	7.4362	10.1130	-0.4225	10.7459	12.8435	3.8872
		0.0050	0.0077	0.0054	0.3000	0.0053	0.0058	0.0057	0.0402	0.0068
P	CR 54	CR 55	MN 55	MN 56	MN 57	FE 57	FE 58	CO 60	CO 61	ZN 66
		-56.9305	-55.1130	-56.9038	-57.4800	-60.1755	-62.1465	-61.6513	-62.9300	-68.8810
		-15.5600	-5.8388	-7.9997	1.0130	4.6960	-8.2405	5.4804	5.7179	-4.9237
		0.0045	0.0050	0.0060	0.0054	0.0052	0.0054	0.0050	0.0057	0.0060
D	CR 53	CR 54	MN 54	MN 55	MN 56	FE 56	FE 57	CO 59	CO 60	ZN 65
		-55.2807	-56.9305	-55.5520	-56.9038	-60.6054	-60.1755	-62.2327	-61.6513	-65.9170
		-17.2441	-9.3026	-10.6830	-3.9668	-0.2506	-9.6246	1.2717	4.4852	-6.6544
		0.0045	0.0045	0.0047	0.0060	0.0047	0.0052	0.0069	0.0050	0.0057
T	CR 52	CR 53	MN 53	MN 54	MN 55	FE 55	FE 56	CO 58	CO 59	ZN 64
		-55.4107	-55.2807	-54.6828	-55.5520	-57.4728	-60.6054	-59.8380	-62.2327	-66.0003
		-21.2001	-12.7847	-10.0664	-2.5697	-2.5732	-13.3076	3.5988	2.9311	-7.2085
		0.0060	0.0501	0.0045	0.0050	0.0077	0.0054	0.0059	0.0055	0.0058
HE3	V 52	V 53	CR 53	CR 54	CR 55	MN 55	MN 56	FE 58	FE 59	CU 64
		-51.4360	-51.7800	-55.2807	-56.9305	-55.1130	-56.9038	-62.1465	-60.6599	-65.4276
		-7.9306	-0.6221	2.5701	8.2871	11.7509	10.3538	14.1344	16.9243	5.4536
		0.0041	0.0060	0.0045	0.0045	0.0051	0.0060	0.0055	0.0059	0.0059
HE4	V 51	V 52	CR 52	CR 53	CR 54	MN 54	MN 55	FE 57	FE 58	CU 63
		-52.1989	-51.4360	-55.4107	-55.2807	-56.9305	-55.5520	-60.1755	-62.1465	-65.5831
		-27.3465	-18.0158	-17.7650	-10.7199	-4.9423	-9.6697	-18.1954	-3.7418	0.2097
		0.0056	0.0061	0.0063	0.0058	0.0060	0.0079	0.0062	0.0063	0.0087
HE6	V 49	V 50	CR 50	CR 51	CR 52	MN 52	MN 53	FE 55	FE 56	CU 61
		-47.9565	-49.2158	-50.2490	-51.4472	-55.4107	-50.7020	-54.6828	-57.4728	-60.6054
		-23.2355	-12.2911	-15.2884	-6.4584	-5.4072	-1.4512	-14.0877	0.0179	-7.5732
		0.0040	0.0048	0.0047	0.0042	0.0061	0.0046	0.0046	0.0056	0.0069
LI6	TI 49	TI 50	V 50	V 51	V 52	CR 52	CR 53	MN 55	MN 56	NI 61
		-48.5577	-51.4307	-49.2158	-52.1989	-51.4360	-55.4107	-55.2807	-56.9038	-64.2200

25 Mn 55

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26 Fe 54

MASS EXCESS -56.2455 +/- 0.0046 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING			9.2987	5.0575	12.9214	18.0434	14.7898	6.4073	16.1889	20.6458	4.4945
			0.0057	0.0119	0.0092	0.0065	0.0166	0.0068	0.0093	0.0084	0.1501
GAMMA	FE 54	FE 55	CO 55	CO 56	CO 57	NI 57	NI 58	CU 60	CU 61	GE 66	
		-57.4728	-54.0140	-56.0310	-59.3389	-56.1040	-60.2280	-58.3460	-61.9840	-60.7400	
		-13.6189		-9.0339	2.8330	6.6640	4.5324	-5.7882	6.1305	8.9364	-8.0569
		0.0452		0.0084	0.0119	0.0092	0.0157	0.0167	0.0215	0.0093	1.0000
N	FE 53	FE 54	CO 54	CO 55	CO 56	NI 56	NI 57	CU 59	CU 60	GE 65	
		-50.6980	-47.9940	-54.0140	-56.0310	-53.9180	-56.1040	-56.3590	-58.3460	-56.2600	
		-8.8517	0.0890		7.0742	12.0209	7.4279	-1.7708	11.7138	15.8435	-0.8765
		0.0057	0.0068		0.0057	0.0061	0.0092	0.0065	0.0061	0.0066	0.0166
P	MN 53	MN 54	FE 54	FE 55	FE 56	CO 56	CO 57	NI 59	NI 60	GA 65	
		-54.6828	-55.5520	-57.4728	-60.6054	-56.0310	-59.3389	-61.1599	-64.4707	-62.6580	
		-18.6794	-6.6272	-11.3944		3.0413	-0.4361	-10.9257	4.9350	6.6858	-10.4534
		0.0076	0.0057	0.0452		0.0057	0.0119	0.0092	0.0069	0.0061	0.0304
D	MN 52	MN 53	FE 53	FE 54	FE 55	CO 55	CO 56	NI 58	NI 59	GA 64	
		-50.7020	-54.6828	-50.6980	-57.4728	-54.0140	-56.0310	-60.2280	-61.1599	-58.9280	
		-22.9354	-12.4220	-15.5785	-7.3615		-8.2701	-14.7567	-1.0030	3.9399	-14.4755
		0.0502	0.0076	0.0138	0.0452		0.0084	0.0119	0.0167	0.0069	1.0000
T	MN 51	MN 52	FE 52	FE 53	FE 54	CO 54	CO 55	NI 57	NI 58	GA 63	
		-48.2600	-50.7020	-48.3280	-50.6980	-47.9940	-54.0140	-56.1040	-60.2280	-56.7200	
		-19.7296	-7.6947	-13.1858	-3.3581	-0.6749		-11.2793	2.2505	3.5685	-8.9598
		0.0053	0.0055	0.0076	0.0057	0.0068		0.0057	0.0066	0.0076	0.0076
HE3	CR 51	CR 52	MN 52	MN 53	MN 54	FE 54	FE 55	CO 57	CO 58	ZN 63	
		-51.4472	-55.4107	-50.7020	-54.6828	-55.5520	-57.4728	-59.3389	-59.8380	-62.2170	
		-8.4212	0.8484	-3.1213	5.1677	10.9625	6.9591		11.4492	15.5760	2.4528
		0.0058	0.0053	0.0502	0.0076	0.0057	0.0452		0.0093	0.0066	0.0138
HE4	CR 50	CR 51	MN 51	MN 52	MN 53	FE 53	FE 54	CO 56	CO 57	ZN 62	
		-50.2490	-51.4472	-48.2600	-50.7020	-54.6828	-50.6980	-56.0310	-59.3389	-61.1230	
		-30.7737	-20.3823		-18.0898	-10.6337		-23.0909	-11.7613	-4.9224	
		0.2001	0.0126	MASS	0.0079	0.0504	MASS	0.0144	0.0093	0.0126	MASS
HE6	CR 48	CR 49	MN 49	MN 50	MN 51	FE 51	FE 52	CO 54	CO 55	ZN 60	
		-43.0700	-45.3900	UNKNOWN	-42.6180	-48.2600	UNKNOWN	-48.3280	-47.9940	-54.0140	UNKNOWN
		-25.8639	-14.3060	-17.6549	-6.9490	-3.9367	-7.1426	-17.2071		2.0462	-11.9879
		0.0058	0.0052	0.0120	0.0059	0.0054	0.0502	0.0076		0.0059	0.0093
LI6	V 48	V 49	CR 49	CR 50	CR 51	MN 51	MN 52	FE 54	FE 55	CU 60	
		-44.4700	-47.9565	-45.3900	-50.2490	-51.4472	-48.2600	-50.7020	-57.4728	-58.3460	

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26 Fe 54

26 FE 57

MASS EXCESS -60.1755 +/- 0.0042 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		10.0424	6.9515	15.1931	16.4258	19.2265	6.4693	19.4960	20.1594	6.9252
GAMMA	FE 57	0.0064	0.0073	0.0055	0.0062	0.0062	0.0073	0.0065	0.0065	0.0059
		FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69
		-62.1465	-59.8380	-62.2327	-61.6513	-64.4707	-64.2200	-65.5831	-65.4276	-67.1007
		-10.5421	-0.3525	4.7270	8.9357	7.8443	-1.3515	8.6545	12.2435	-1.6769
		0.0053	0.0058	0.0073	0.0055	0.0057	0.0062	0.0109	0.0065	1.0000
N	FE 56	FE 57	CO 57	CO 58	CO 59	NI 59	NI 60	CU 62	CU 63	GE 68
		-57.7048	-60.6054	-59.8380	-62.2327	-61.1599	-64.4707	-62.8130	-65.5831	-66.5700
		-10.5607	-1.9130	7.8179	8.1454	9.6996	-3.3884	13.3719	12.9588	-0.3905
		0.0060	0.3000	0.0064	0.0060	0.0055	0.0062	0.0066	0.0066	0.0073
P	MN 56	MN 57	FE 57	FE 58	FE 59	CO 59	CO 60	NI 62	NI 63	GA 68
		-56.9038	-57.4800	-62.1465	-60.6599	-62.2327	-61.6513	-66.7480	-65.5160	-67.0740
		-16.3809	-8.3362	-8.3176	3.7850	1.4579	-8.6540	4.9970	8.3439	-6.4494
		0.0057	0.0060	0.0053	0.0064	0.0073	0.0055	0.0074	0.0066	0.0108
D	MN 55	MN 56	FE 56	FE 57	FE 58	CO 58	CO 59	NI 61	NI 62	GA 67
		-56.9305	-56.9038	-57.7048	-62.1465	-59.8380	-62.2327	-64.2200	-66.7480	-66.8620
		-19.8447	-10.1235	-12.2845	-4.2847	0.4113	-12.8627	3.4337	4.0019	-11.4194
		0.0052	0.0057	0.0065	0.0053	0.0058	0.0073	0.0063	0.0074	0.0073
T	MN 54	MN 55	FE 55	FE 56	FE 57	CO 57	CO 58	NI 60	NI 61	GA 66
		-55.2807	-56.9305	-55.5520	-57.7048	-60.6054	-59.8380	-64.4707	-64.2200	-63.7060
		-23.3268	-11.9224	-10.8873	-5.0671	-2.6769	-10.5356	0.6329	2.7305	-6.2258
		0.0502	0.0082	0.0057	0.0060	0.3000	0.0064	0.0063	0.0402	0.0073
HE3	CR 54	CR 55	MN 55	MN 56	MN 57	FE 57	FE 58	CO 60	CO 61	ZN 66
		-51.7800	-55.1130	-56.9305	-56.9038	-57.4800	-62.1465	-61.6513	-62.9300	-68.8810
		-11.1642	-2.7488	-0.0306	7.4662	9.2535	10.0359	13.7209	13.9584	3.3168
		0.0065	0.0502	0.0052	0.0057	0.0060	0.0054	0.0057	0.0063	0.0065
HE4	CR 53	CR 54	MN 54	MN 55	MN 56	FE 56	FE 57	CO 59	CO 60	ZN 65
		-51.4360	-51.7800	-55.2807	-56.9305	-56.9038	-57.7048	-62.2327	-61.6513	-65.9170
		-28.5579	-17.5034	-19.0375	-9.2271	-7.5430	-8.1596	-19.7969	-3.0799	-15.5567
		0.0066	0.0063	0.0064	0.0065	0.0065	0.0067	0.0077	0.0071	0.0083
HE6	CR 51	CR 52	MN 52	MN 53	MN 54	FE 54	FE 55	CO 57	CO 58	ZN 63
		-49.2158	-52.1989	-51.4472	-55.4107	-55.2807	-54.6828	-55.5520	-60.6054	-62.2170
		-22.8332	-16.4545	-14.7760	-9.6920	-7.5339	-4.0519	-14.9086	2.7899	-8.6808
		0.0055	0.0074	0.0050	0.0066	0.0502	0.0053	0.0058	0.0066	0.0065
LI6	V 51	V 52	CR 52	CR 53	CR 54	MN 54	MN 55	FE 57	FE 58	CU 63
		-51.4307	-49.7380	-52.1989	-51.4360	-51.7800	-55.2807	-56.9305	-62.1465	-65.5831

26 FE 58
 MASS EXCESS -62.1465 +/- 0.0048 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.5848	7.3752	12.6407	15.7334	17.0048	7.0263	17.3695	20.0268	8.4115
		0.0064	0.0060	0.0066	0.0403	0.0077	0.0069	0.0069	0.0070	0.0051
GAMMA	FE 58	FE 59	CO 59	CO 60	CO 61	NI 61	NI 62	CU 64	CU 65	GE 70
		-60.6599	-62.2327	-61.6513	-62.9300	-64.2200	-66.7480	-65.4276	-67.2660	-70.5580
			-3.0910	5.1507	6.3833	9.1841	-3.5732	9.4536	10.1170	-3.1172
		0.0064	0.0077	0.0060	0.0066	0.0067	0.0077	0.0069	0.0069	0.0064
N	FE 57	FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69
			-59.8380	-62.2327	-61.6513	-64.4707	-64.2200	-65.5831	-65.4276	-67.1007
				4.3603	7.0255	7.1472	-4.0807	10.1689	12.5778	-0.1093
		-11.9555	-5.7140	0.0064	0.0304	0.0066	0.0403	0.0070	0.0070	0.0059
P	MN 57	MN 58	FE 58	FE 59	FE 60	CO 60	CO 61	NI 63	NI 64	GA 69
				-60.6599	-61.5110	-61.6513	-62.9300	-65.5160	-67.1060	-69.3262
					0.3274	1.8816	-11.2064	5.5540	5.1409	-8.2084
		-18.3786	-9.7310	0.0064	0.0064	0.0060	0.0066	0.0070	0.0070	0.0077
D	MN 56	MN 57	FE 57	FE 58	FE 59	CO 59	CO 60	NI 62	NI 63	GA 68
					-60.6599	-62.2327	-61.6513	-66.7480	-65.5160	-67.0740
		-20.1659	-12.1212	-12.1027	-3.7850		-2.3271	-12.4390	1.2120	4.5589
		0.0061	0.0064	0.0058	0.0064		0.0077	0.0060	0.0078	0.0070
T	MN 55	MN 56	FE 56	FE 57	FE 58	CO 58	CO 59	NI 61	NI 62	GA 67
						-59.8380	-62.2327	-64.2200	-66.7480	-66.8620
		-21.9648	-13.7164	-12.8850	-6.4619	-6.4779		-13.9932	-0.0594	-0.6425
		0.0085	0.1501	0.0064	0.3000	1.0000		0.0065	0.0403	0.0403
HE3	CR 55	CR 56	MN 56	MN 57	MN 58		FE 58	FE 59	CO 61	CO 62
								-60.6599	-62.9300	-61.5280
		-12.7912	-1.3868	-0.3518	5.4685	7.8587	10.5356		11.1685	13.2660
		0.0502	0.0085	0.0061	0.0065	0.3000	0.0064		0.0067	0.0403
HE4	CR 54	CR 55	MN 55	MN 56	MN 57	FE 57	FE 58	CO 60	CO 61	ZN 66
								-61.6513	-62.9300	-68.8810
		-27.5458	-20.2373	-17.0450	-11.3281	-7.8642	-9.2614	-19.6151	-5.8183	-2.6047
		0.0067	0.0080	0.0069	0.0069	0.0073	0.0080	0.0071	0.0087	0.0073
HE6	CR 52	CR 53	MN 53	MN 54	MN 55	FE 55	FE 56	CO 58	CO 59	ZN 64
								-59.8380	-62.2327	-66.0003
		-26.4969	-18.6235	-17.5099	-11.3190	-6.1719	-4.3731	-16.9063		-0.6677
		0.0078	1.0000	0.0070	0.0502	0.0086	0.0062	0.0065		0.0066
LI6	V 52	V 53	CR 53	CR 54	CR 55	MN 55	MN 56	FE 58	FE 59	CU 64
									-60.6599	-65.4276

27 CO 59

MASS EXCESS -62.2327 +/- 0.0036 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12	
OUTGOING											
		7.4900	9.5270	15.1232	19.4653	15.5116	5.7752	17.7727	21.5556	5.6603	
		0.0058	0.0058	0.0070	0.0062	0.0106	0.0061	0.0063	0.0071	0.0097	
GAMMA	CO 59	CO 60	NI 60	NI 61	NI 62	CU 62	CU 63	ZN 65	ZN 66	AS 71	
		-61.6513	-64.4707	-64.2200	-66.7480	-62.8130	-65.5831	-65.9170	-68.8810	-67.8930	
		-10.4661		-1.8552	7.3025	8.8658	6.6112	-5.0664	9.7846	10.5202	-5.9821
		0.0070		0.0053	0.0058	0.0070	0.0079	0.0106	0.0059	0.0063	0.0302
N	CO 58	CO 59	NI 59	NI 60	NI 61	CU 61	CU 62	ZN 64	ZN 65	AS 70	
		-59.8380	-61.1599	-64.4707	-64.2200	-61.9840	-62.8130	-66.0003	-65.9170	-64.3220	
		-7.3752	-6.7903		5.2655	8.3583	9.6297	-0.3489	9.9943	12.6516	1.0363
		0.0060	0.0056		0.0058	0.0402	0.0070	0.0062	0.0061	0.0063	0.0040
P	FE 58	FE 59	CO 59	CO 60	CO 61	NI 61	NI 62	CU 64	CU 65	GE 70	
		-62.1465	-60.6599	-61.6513	-62.9300	-64.2200	-66.7480	-65.4276	-67.2660	-70.5580	
		-15.1931	-5.1507	-8.2416		1.2326	4.0334	-8.7239	4.3029	4.9663	-8.2679
		0.0055	0.0060	0.0070		0.0058	0.0058	0.0070	0.0062	0.0061	0.0055
D	FE 57	FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69	
		-60.1755	-62.1465	-59.8380	-61.6513	-64.4707	-64.2200	-65.5831	-65.4276	-67.1007	
		-19.4778	-8.9357	-9.2883	-4.2087		-1.0914	-10.2872	-0.2812	3.3078	-10.6126
		0.0049	0.0055	0.0054	0.0070		0.0053	0.0059	0.0107	0.0062	1.0000
T	FE 56	FE 57	CO 57	CO 58	CO 59	NI 59	NI 60	CU 62	CU 63	GE 68	
		-57.7048	-60.1755	-60.6054	-59.8380	-61.1599	-64.4707	-62.8130	-65.5831	-66.5700	
		-20.2602	-11.6126	-9.6995	-1.8816	-1.5542		-13.0880	3.6724	3.2593	-10.0900
		0.0056	0.3000	0.0055	0.0060	0.0056		0.0058	0.0063	0.0063	0.0070
HE3	MN 56	MN 57	FE 57	FE 58	FE 59	CO 59	CO 60	NI 62	NI 63	GA 68	
		-56.9038	-57.4800	-60.1755	-62.1465	-60.6599	-61.6513	-66.7480	-65.5160	-67.0740	
		-7.7269	0.3178	0.3363	8.6540	12.4390	10.1119		13.6510	16.9979	2.2046
		0.0052	0.0056	0.0049	0.0055	0.0060	0.0070		0.0071	0.0063	0.0106
HE4	MN 55	MN 56	FE 56	FE 57	FE 58	CO 58	CO 59	NI 61	NI 62	GA 67	
		-56.9305	-56.9038	-57.7048	-60.1755	-62.1465	-59.8380	-64.2200	-66.7480	-66.8620	
		-24.4202	-16.4788	-17.8591	-11.1430	-7.1761	-7.4268	-16.8007	-4.5826	-0.4529	-17.1729
		0.0062	0.0062	0.0064	0.0073	0.0063	0.0064	0.0067	0.0067	0.0072	0.0169
HE6	MN 53	MN 54	FE 54	FE 55	FE 56	CO 56	CO 57	NI 59	NI 60	GA 65	
		-55.4107	-55.2807	-54.6828	-55.5520	-57.7048	-57.4728	-60.6054	-61.1599	-64.4707	-62.6580
		-24.8851	-16.4697	-13.7514	-6.2547	-4.4673	-3.6850	-13.7208		0.2375	-10.4041
		0.0063	0.0501	0.0048	0.0054	0.0057	0.0050	0.0057		0.0060	0.0063
LI6	CR 53	CR 54	MN 54	MN 55	MN 56	FE 56	FE 57	CO 59	CO 60	ZN 65	
		-51.4360	-51.7800	-55.2807	-56.9305	-56.9038	-57.7048	-60.1755	-61.6513	-65.9170	

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27 Co 59

28 NI 58

MASS EXCESS -60.2280 +/- 0.0050 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		9.0033	3.4200	11.2539	16.7060	11.2833	3.3198	12.7884	17.3373	
GAMMA	NI 58	0.0063	0.0216	0.0094	0.0086	0.2001	0.0139	0.0304	0.0168	MASS
		NI 59	CU 59	CU 60	CU 61	ZN 61	ZN 62	GA 64	GA 65	SE 70
		-61.1599	-56.3590	-58.3460	-61.9840	-56.5800	-61.1230	-58.9280	-62.6580	UNKNOWN
	-12.1954		-9.3514	1.1955	4.9965		-9.2947	2.5090	5.5359	
	0.0168		0.0086	0.0216	0.0094	MASS	0.2001	1.0000	0.0304	MASS
N	NI 57	NI 58	CU 58	CU 59	CU 60	ZN 60	ZN 61	GA 63	GA 64	SE 69
	-56.1040		-51.6590	-56.3590	-58.3460	UNKNOWN	-56.5800	-56.7200	-58.9280	UNKNOWN
	-8.1781	0.3924		6.7788	11.9037	5.7604	-3.1082	8.7884	13.3906	-4.3170
	0.0068	0.0078		0.0063	0.0068	0.0094	0.0086	0.0079	0.0069	0.3000
P	CO 57	CO 58	NI 58	NI 59	NI 60	CU 60	CU 61	ZN 63	ZN 64	AS 69
	-59.3389	-59.8380		-61.1599	-64.4707	-58.3460	-61.9840	-62.2170	-66.0003	-63.2000
	-17.3329	-5.9536	-9.9709		2.7459	-2.0736	-12.5932	1.8475	3.7604	
	0.0094	0.0068	0.0168		0.0063	0.0216	0.0094	0.0140	0.0079	MASS
D	CO 56	CO 57	NI 57	NI 58	NI 59	CU 59	CU 60	ZN 62	ZN 63	AS 68
	-56.0310	-59.3389	-56.1040		-61.1599	-56.3590	-58.3460	-61.1230	-62.2170	UNKNOWN
	-21.1639	-11.0755	-13.9710	-5.9380		-8.5876	-16.3942	-4.5095	0.8524	
	0.0121	0.0094	0.0158	0.0168		0.0086	0.0216	0.2001	0.0140	MASS
T	CO 55	CO 56	NI 56	NI 57	NI 58	CU 58	CU 59	ZN 61	ZN 62	AS 67
	-54.0140	-56.0310	-53.9180	-56.1040		-51.6590	-56.3590	-56.5800	-61.1230	UNKNOWN
	-17.6865	-6.4825	-11.8393	-2.6845	-0.3714		-11.5747	0.9131	2.5610	-12.6993
	0.0061	0.0064	0.0094	0.0068	0.0078		0.0064	0.0087	0.0112	0.1001
HE3	FE 55	FE 56	CO 56	CO 57	CO 58	NI 58	NI 59	CU 61	CU 62	GE 67
	-57.4728	-60.6054	-56.0310	-59.3389	-59.8380		-61.1599	-61.9840	-62.8130	-62.4600
	-6.4072	2.8915	-1.3498	6.5142	11.6361	8.3826		9.7817	14.2386	-1.9128
	0.0068	0.0061	0.0121	0.0094	0.0068	0.0168		0.0095	0.0087	0.1501
HE4	FE 54	FE 55	CO 55	CO 56	CO 57	NI 57	NI 58	CU 60	CU 61	GE 66
	-56.2455	-57.4728	-54.0140	-56.0310	-59.3389	-56.1040		-58.3460	-61.9840	-60.7400
	-29.4982	-19.0568		-16.6963	-8.8622		-21.4834	-12.0788	-6.5599	
	0.0145	0.0455	MASS	0.0095	0.0127	MASS	0.0163	0.0096	0.0220	MASS
HE6	FE 52	FE 53	CO 53	CO 54	CO 55	NI 55	NI 56	CU 58	CU 59	GE 64
	-48.3280	-50.6980	UNKNOWN	-47.9940	-54.0140	UNKNOWN	-53.9180	-51.6590	-56.3590	UNKNOWN
	-23.6144	-11.5622	-16.3294	-4.9350	-1.8937	-5.3711	-15.8606		1.7508	-15.3884
	0.0079	0.0061	0.0453	0.0069	0.0061	0.0121	0.0095		0.0065	0.0304
LI6	MN 52	MN 53	FE 53	FE 54	FE 55	CO 55	CO 56	NI 58	NI 59	GA 64
	-50.7020	-54.6828	-50.6980	-56.2455	-57.4728	-54.0140	-56.0310		-61.1599	-58.9280

28 NI 60

MASS EXCESS -64.4707 +/- 0.0046 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
GAMMA	NI 60	7.8207	4.8023	11.4782	16.0624	12.6776	3.9544	13.3237	17.2986	3.1493
		0.0076	0.0084	0.0110	0.0067	0.0076	0.0065	0.0076	0.0111	1.0000
		NI 61	CU 61	CU 62	CU 63	ZN 63	ZN 64	GA 66	GA 67	SE 72
		-64.2200	-61.9840	-62.8130	-65.5831	-62.2170	-66.0003	-63.7060	-66.8620	-67.6200
N		-11.3822	-6.9071	2.5778	5.2208	3.5122	-7.9004	4.2043	6.0712	-9.0521
		0.0060	0.0092	0.0084	0.0110	0.0138	0.0076	0.0167	0.0076	0.3000
	NI 59	NI 60	CU 60	CU 61	CU 62	ZN 62	ZN 63	GA 65	GA 66	SE 71
		-61.1599	-58.3460	-61.9840	-62.8130	-61.1230	-62.2170	-62.6580	-63.7060	-63.4900
P		-9.5270	-2.0370	5.5962	9.9383	5.9847	-3.7518	8.2457	12.0286	-3.8667
		0.0058	0.0064	0.0076	0.0068	0.0110	0.0067	0.0069	0.0076	0.0101
	CO 59	CO 60	NI 60	NI 61	NI 62	CU 62	CU 63	ZN 65	ZN 66	AS 71
		-62.2327	-61.6513	-64.2200	-66.7480	-62.8130	-65.5831	-65.9170	-68.8810	-67.8930
D		-17.7686	-7.3025	-9.1577	1.5633	-0.6913	-12.3689	2.4821	3.2177	-13.2846
		0.0076	0.0058	0.0060	0.0076	0.0084	0.0110	0.0066	0.0069	0.0304
	CO 58	CO 59	NI 59	NI 60	NI 61	CU 61	CU 62	ZN 64	ZN 65	AS 70
		-59.8380	-62.2327	-61.1599	-64.2200	-61.9840	-62.8130	-66.0003	-65.9170	-64.3220
T		-18.8152	-11.5112	-12.7928	-5.1248	-6.1433	-15.0119	-3.1152	1.4870	-16.2206
		0.0061	0.0076	0.0065	0.0060	0.0092	0.0084	0.0076	0.0066	0.3000
	CO 57	CO 58	NI 58	NI 59	NI 60	CU 60	CU 61	ZN 63	ZN 64	AS 69
		-60.6054	-59.8380	-59.3389	-61.1599	-58.3460	-61.9840	-62.2170	-66.0003	-63.2000
HE3		-19.2265	-9.1841	-12.2750	-4.0334	-2.8008	-12.7573	0.2695	0.9329	-12.3013
		0.0062	0.0067	0.0076	0.0058	0.0064	0.0076	0.0068	0.0067	0.0062
	FE 57	FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69
		-60.1755	-62.1465	-59.8380	-62.2327	-61.6513	-64.2200	-65.5831	-65.4276	-67.1007
HE4		-9.1906	1.3515	0.9989	6.0785	10.2872	9.1958	10.0060	13.5950	-0.3254
		0.0057	0.0062	0.0061	0.0076	0.0059	0.0060	0.0111	0.0068	1.0000
	FE 56	FE 57	CO 57	CO 58	CO 59	NI 59	NI 60	CU 62	CU 63	GE 68
		-57.7048	-60.1755	-60.6054	-59.8380	-62.2327	-61.1599	-62.8130	-65.5831	-66.5700
HE6		-27.3861	-18.4455	-18.5344	-11.4602	-6.5135	-11.1066	-20.3052	-9.6345	-21.3289
		0.0070	0.0079	0.0076	0.0070	0.0073	0.0101	0.0076	0.0101	0.1501
	FE 54	FE 55	CO 55	CO 56	CO 57	NI 57	NI 58	CU 60	CU 61	GE 66
		-54.6828	-55.5520	-56.2455	-57.4728	-60.6054	-56.0310	-59.3389	-58.3460	-61.9840
LI6		-23.2784	-13.5572	-15.7181	-7.7184	-3.4337	-3.0224	-16.2964	0.5682	-14.8531
		0.0056	0.0061	0.0069	0.0058	0.0063	0.0062	0.0076	0.0077	0.0076
	MN 54	MN 55	FE 55	FE 56	FE 57	CO 57	CO 58	NI 60	NI 61	GA 66
		-55.2807	-56.9305	-55.5520	-57.7048	-60.1755	-60.6054	-59.8380	-64.2200	-63.7060

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28 NI 60

28 NI 61

MASS EXCESS -64.2200 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		10.5994	5.8820	14.4990	16.1575	16.7116	4.1217	16.7304	17.7613	3.9510
		0.0078	0.0117	0.0077	0.0077	0.0076	0.0078	0.0117	0.0086	0.0326
GAMMA	NI 61	NI 62	CU 62	CU 63	CU 64	ZN 64	ZN 65	GA 67	GA 68	SE 73
		-66.7480	-62.8130	-65.5831	-65.4276	-66.0003	-65.9170	-66.8620	-67.0740	-68.1710
		-7.8207	-3.0184	3.6575	8.2416	4.8569	-3.8664	5.5030	9.4779	-4.6714
		0.0076	0.0092	0.0117	0.0078	0.0085	0.0076	0.0086	0.0117	1.0000
N	NI 61	NI 61	CU 61	CU 62	CU 63	ZN 63	ZN 64	GA 66	GA 67	SE 72
		-64.4707	-61.9840	-62.8130	-65.5831	-62.2170	-66.0003	-63.7060	-66.8620	-67.6200
		-9.8577	-0.5076	8.3749	8.9570	9.0055	-3.6566	11.4604	11.2613	-3.2900
		0.0075	0.0404	0.0078	0.0078	0.0077	0.0077	0.0086	0.0117	0.0117
P	CO 60	CO 61	NI 61	NI 62	NI 63	CU 63	CU 64	ZN 66	ZN 67	AS 72
		-61.6513	-62.9300	-66.7480	-65.5160	-65.5831	-65.4276	-68.8810	-67.8630	-68.2190
		-15.1232	-7.6332	-5.5962	4.3420	0.3884	-9.3481	2.6495	6.4324	-9.4629
		0.0070	0.0075	0.0076	0.0078	0.0117	0.0078	0.0079	0.0086	0.0108
D	CO 59	CO 60	NI 60	NI 61	NI 62	CU 62	CU 63	ZN 65	ZN 66	AS 71
		-62.2327	-61.6513	-64.4707	-66.7480	-62.8130	-65.5831	-65.9170	-68.8810	-67.8930
		-19.3319	-8.8658	-10.7211	-1.5633	-2.2546	-13.9322	0.9188	1.6544	-14.8479
		0.0085	0.0070	0.0072	0.0076	0.0092	0.0117	0.0076	0.0079	0.0306
T	CO 58	CO 59	NI 59	NI 60	NI 61	CU 61	CU 62	ZN 64	ZN 65	AS 70
		-59.8380	-62.2327	-61.1599	-64.4707	-61.9840	-62.8130	-66.0003	-65.9170	-64.3220
		-17.0048	-10.4200	-9.6296	-4.3641	-1.2714	-9.9786	0.3647	3.0220	-8.5933
		0.0077	0.0074	0.0070	0.0075	0.0404	0.0078	0.0078	0.0079	0.0062
HE3	FE 58	FE 59	CO 59	CO 60	CO 61	NI 61	NI 62	CU 64	CU 65	GE 70
		-62.1465	-60.6599	-62.2327	-61.6513	-62.9300	-66.7480	-65.4276	-67.2660	-70.5580
		-6.4692	3.5732	0.4822	8.7239	9.9565	12.7573	13.0268	13.6901	0.4560
		0.0073	0.0077	0.0085	0.0070	0.0075	0.0076	0.0078	0.0078	0.0073
HE4	FE 57	FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69
		-60.1755	-62.1465	-59.8380	-62.2327	-61.6513	-64.4707	-65.5831	-65.4276	-67.1007
		-26.2662	-16.0420	-17.0564	-8.0769	-7.0303	-7.5480	-18.2335	-5.7458	-4.0979
		0.0088	0.0079	0.0080	0.0082	0.0094	0.0086	0.0082	0.0101	0.0124
HE6	FE 56	FE 56	CO 56	CO 57	CO 58	NI 58	NI 59	CU 61	CU 62	GE 67
		-55.5520	-57.7048	-57.4728	-60.6054	-59.8380	-59.3389	-61.1599	-61.9840	-62.8130
		-21.3779	-13.3332	-13.3146	-4.9970	-1.2119	-3.5391	-13.6509	3.3469	-11.4464
		0.0072	0.0075	0.0069	0.0074	0.0078	0.0086	0.0071	0.0080	0.0117
LI6	MN 55	MN 56	FE 56	FE 57	FE 58	CO 58	CO 59	NI 61	NI 62	GA 67
		-56.9305	-56.9038	-57.7048	-60.1755	-62.1465	-59.8380	-62.2327	-66.7480	-66.8620

28 NI 61

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28 NI 62

MASS EXCESS -66.7480 +/- 0.0050 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING		6.8394	6.1241	11.8155	15.4679	14.1003	4.5577	14.4144	17.4855	5.4642
		0.0071	0.0070	0.0069	0.0071	0.0071	0.0078	0.0079	0.0061	0.0069
GAMMA	NI 62	NI 63	CU 63	CU 64	CU 65	ZN 65	ZN 66	GA 68	GA 69	SE 74
		-65.5160	-65.5831	-65.4276	-67.2660	-65.9170	-68.8810	-67.0740	-69.3262	-72.2122
	-10.5994		-4.7174	3.8996	5.5581	6.1122	-6.4777	6.1310	7.1619	-6.6484
	0.0078		0.0112	0.0070	0.0069	0.0068	0.0071	0.0112	0.0079	0.0324
N	NI 61	NI 62	CU 62	CU 63	CU 64	ZN 64	ZN 65	GA 67	GA 68	SE 73
	-64.2200		-62.8130	-65.5831	-65.4276	-66.0003	-65.9170	-66.8620	-67.0740	-68.1710
	-11.1070	-4.4375		4.6149	8.0190	6.3219	-4.3462	7.9144	10.8643	-3.1160
	0.0403	0.0403		0.0071	0.0071	0.0069	0.0071	0.0112	0.0072	0.0304
P	CO 61	CO 62	NI 62	NI 63	NI 64	CU 64	CU 65	ZN 67	ZN 68	AS 73
	-62.9300	-61.5280		-65.5160	-67.1060	-65.4276	-67.2660	-67.8630	-69.9940	-70.9210
	-18.2326	-8.8825	-8.3749		0.5820	0.6305	-12.0316	3.0855	2.8864	-11.6649
	0.0067	0.0403	0.0078		0.0071	0.0070	0.0069	0.0079	0.0112	0.0112
D	CO 60	CO 61	NI 61	NI 62	NI 63	CU 63	CU 64	ZN 66	ZN 67	AS 72
	-61.6513	-62.9300	-64.2200		-65.5160	-65.5831	-65.4276	-68.8810	-67.8630	-68.2190
	-19.4652	-11.9752	-9.9383	-4.3420		-3.9536	-13.6901	-1.6925	2.0904	-13.8049
	0.0062	0.0067	0.0068	0.0078		0.0112	0.0070	0.0072	0.0079	0.0103
T	CO 59	CO 60	NI 60	NI 61	NI 62	CU 62	CU 63	ZN 65	ZN 66	AS 71
	-62.2327	-61.6513	-64.4707	-64.2200		-62.8130	-65.5831	-65.9170	-68.8810	-67.8930
	-21.0194	-12.0969	-12.7390	-5.6134	-5.2014		-13.7386	-0.3249	-0.5170	-11.7801
	0.0066	0.0304	0.0067	0.0403	0.0403		0.0071	0.0072	0.0104	0.0068
HE3	FE 59	FE 60	CO 60	CO 61	CO 62	NI 62	NI 63	CU 65	CU 66	GE 71
	-60.6599	-61.5110	-61.6513	-62.9300	-61.5280		-65.5160	-67.2660	-66.2550	-69.8992
	-7.0262	-0.4414	0.3489	5.6145	8.7072	9.9786		10.3433	13.0005	1.3853
	0.0069	0.0066	0.0062	0.0067	0.0403	0.0078		0.0070	0.0072	0.0053
HE4	FE 58	FE 59	CO 59	CO 60	CO 61	NI 61	NI 62	CU 64	CU 65	GE 70
	-62.1465	-60.6599	-62.2327	-61.6513	-62.9300	-64.2200		-65.4276	-67.2660	-70.5580
	-26.6414	-16.0993	-16.4518	-11.3723	-7.1635	-8.2550	-17.4507	-7.4448	-3.8558	-17.7762
	0.0072	0.0077	0.0076	0.0088	0.0073	0.0075	0.0079	0.0119	0.0081	1.0000
HE6	FE 56	FE 57	CO 57	CO 58	CO 59	NI 59	NI 60	CU 62	CU 63	GE 68
	-57.7048	-60.1755	-60.6054	-59.8380	-62.2327	-61.1599	-64.4707	-62.8130	-65.5831	-66.5700
	-23.9326	-15.2850	-13.3719	-5.5540	-5.2265	-3.6724	-16.7603		-0.4131	-13.7624
	0.0067	0.3000	0.0066	0.0070	0.0067	0.0063	0.0068		0.0072	0.0079
LI6	MN 56	MN 57	FE 57	FE 58	FE 59	CO 59	CO 60	NI 62	NI 63	GA 68
	-56.9038	-57.4800	-60.1755	-62.1465	-60.6599	-62.2327	-61.6513		-65.5160	-67.0740

29 CU 63

MASS EXCESS -65.5831 +/- 0.0049 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
GAMMA	CU 63	7.9159	7.7062	13.4698	18.2478	13.0542	3.7037	15.6060	19.8822	3.5759
		0.0069	0.0067	0.0070	0.0077	0.0077	0.0111	0.0065	0.0053	0.0206
		CU 64	ZN 64	ZN 65	ZN 66	GA 66	GA 67	GE 69	GE 70	BR 75
		-65.4276	-66.0003	-65.9170	-68.8810	-63.7060	-66.8620	-67.1007	-70.5580	-69.1590
N		-10.8415	-4.1486	5.4817	7.2124	3.9348	-7.5238	7.0039	8.3535	-8.2445
		0.0111	0.0077	0.0067	0.0070	0.0167	0.0078	1.0000	0.0065	1.0000
	CU 62	CU 63	ZN 63	ZN 64	ZN 65	GA 65	GA 66	GE 68	GE 69	BR 74
		-62.8130	-62.2170	-66.0003	-65.9170	-62.6580	-63.7060	-66.5700	-67.1007	-65.4100
P		-6.1241	0.7154	5.6914	9.3439	7.9762	-1.5663	8.2903	11.3614	-0.6599
		0.0070	0.0070	0.0069	0.0070	0.0070	0.0078	0.0078	0.0061	0.0069
	NI 62	NI 63	CU 63	CU 64	CU 65	ZN 65	ZN 66	GA 68	GA 69	SE 74
		-66.7480	-65.5160	-65.4276	-67.2660	-65.9170	-68.8810	-67.0740	-69.3262	-72.2122
D		-14.4990	-3.8996	-8.6170	1.6585	2.2126	-10.3773	2.2314	3.2623	-10.5480
		0.0077	0.0070	0.0111	0.0069	0.0067	0.0070	0.0112	0.0078	0.0324
	NI 61	NI 62	CU 62	CU 63	CU 64	ZN 64	ZN 65	GA 67	GA 68	SE 73
		-64.2200	-66.7480	-62.8130	-65.4276	-66.0003	-65.9170	-66.8620	-67.0740	-68.1710
T		-16.0623	-8.2416	-11.2601	-4.5841	-3.3847	-12.1080	-2.7386	1.2363	-12.9130
		0.0067	0.0078	0.0085	0.0111	0.0078	0.0067	0.0078	0.0112	1.0000
	NI 60	NI 61	CU 61	CU 62	CU 63	ZN 63	ZN 64	GA 66	GA 67	SE 72
		-64.4707	-64.2200	-61.9840	-62.8130	-62.2170	-66.0003	-63.7060	-66.8620	-67.6200
HE3		-18.8631	-9.5130	-9.0054	-0.6305	-0.0485	-12.6621	2.4550	2.2559	-12.2954
		0.0067	0.0403	0.0077	0.0070	0.0070	0.0069	0.0078	0.0112	0.0111
	CO 60	CO 61	NI 61	NI 62	NI 63	CU 63	CU 64	ZN 66	ZN 67	AS 72
		-61.6513	-62.9300	-64.2200	-66.7480	-65.5160	-65.4276	-68.8810	-67.8630	-68.2190
HE4		-5.7751	1.7149	3.7518	9.3481	13.6901	9.7365	11.9976	15.7804	-0.1149
		0.0061	0.0067	0.0067	0.0078	0.0070	0.0111	0.0071	0.0078	0.0103
	CO 59	CO 60	NI 60	NI 61	NI 62	CU 62	CU 63	ZN 65	ZN 66	AS 71
		-62.2327	-61.6513	-64.4707	-64.2200	-66.7480	-62.8130	-65.9170	-68.8810	-67.8930
HE6		-22.5759	-15.2719	-16.5534	-8.8855	-3.7606	-9.9040	-6.8759	-2.2737	-19.9813
		0.0075	0.0087	0.0078	0.0074	0.0078	0.0102	0.0094	0.0088	0.3001
	CO 57	CO 58	NI 58	NI 59	NI 60	CU 60	CU 61	ZN 63	ZN 64	AS 69
		-60.6054	-59.8380	-59.3389	-61.1599	-64.4707	-58.3460	-61.9840	-62.2170	-66.0003
LI6		-19.4960	-9.4536	-12.5445	-4.3029	-3.0703	-0.2695	-13.0267	0.6634	-12.5708
		0.0065	0.0069	0.0078	0.0062	0.0067	0.0068	0.0078	0.0070	0.0065
	FE 57	FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69
		-60.1755	-62.1465	-59.8380	-62.2327	-61.6513	-64.4707	-64.2200	-65.4276	-67.1007

29 CU 65

MASS EXCESS -67.2660 +/- 0.0050 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.0604	8.9040	13.7329	17.6780	14.7393	4.4850	16.7216	20.2204	5.9700
		0.0103	0.0078	0.0112	0.0071	0.0078	0.0061	0.0069	0.0054	0.0078
GAMMA	CU 65	CU 66	ZN 66	ZN 67	ZN 68	GA 68	GA 69	GE 71	GE 72	BR 77
		-66.2550	-68.8810	-67.8630	-69.9940	-67.0740	-69.3262	-69.8992	-72.5791	-73.2360
N			-2.1314	6.6795	7.4755	6.4559	-5.8387	9.3090	9.4691	-4.7074
			0.0071	0.0078	0.0112	0.0112	0.0078	0.0054	0.0069	0.0602
	CU 64	CU 65	ZN 65	ZN 66	ZN 67	GA 67	GA 68	GE 70	GE 71	BR 76
			-65.9170	-68.8810	-67.8630	-66.8620	-67.0740	-70.5580	-69.8992	-70.6300
P		-7.4490	-1.3465	4.8359	7.6860	8.2394	-2.1362	8.4304	10.4870	0.7020
		0.0071	0.0094	0.0103	0.0130	0.0112	0.0071	0.0079	0.0067	0.0086
	NI 64	NI 65	CU 65	CU 66	CU 67	ZN 67	ZN 68	GA 70	GA 71	SE 76
		-67.1060	-65.1370	-66.2550	-67.2910	-67.8630	-69.9940	-68.8970	-70.1347	-75.2570
D		-14.8859	-5.2245	-7.6853	0.8030	3.4104	-10.1142	3.0127	3.4024	-8.2355
		0.0071	0.0071	0.0069	0.0103	0.0078	0.0112	0.0061	0.0079	0.0062
	NI 63	NI 64	CU 64	CU 65	CU 66	ZN 66	ZN 67	GA 69	GA 70	SE 75
		-65.5160	-67.1060	-65.4276	-66.2550	-68.8810	-67.8630	-69.3262	-68.8970	-72.1664
T		-15.4679	-8.6285	-9.3439	-3.6524	-1.3676	-10.9102	-1.0535	2.0176	-10.0037
		0.0071	0.0071	0.0070	0.0069	0.0071	0.0078	0.0079	0.0061	0.0069
	NI 62	NI 63	CU 63	CU 64	CU 65	ZN 65	ZN 66	GA 68	GA 69	SE 74
		-66.7480	-65.5160	-65.5831	-65.4276	-65.9170	-68.8810	-67.0740	-69.3262	-72.2122
HE3		-20.6693	-12.2059	-9.3923	-1.9554	-2.1104	-13.5176	1.8851	1.1350	-11.3423
		0.0403	0.2001	0.0071	0.0071	0.0094	0.0103	0.0072	0.0079	0.0063
	CO 62	CO 63	NI 63	NI 64	NI 65	CU 65	CU 66	ZN 68	ZN 69	AS 74
		-61.5280	-61.9200	-65.5160	-67.1060	-65.1370	-66.2550	-69.9940	-68.4250	-70.8550
HE4		-6.7607	-0.0913	4.3462	8.9612	12.3652	10.6682	12.2607	15.2106	1.2303
		0.0403	0.0403	0.0071	0.0071	0.0071	0.0069	0.0112	0.0072	0.0304
	CO 61	CO 62	NI 62	NI 63	NI 64	CU 64	CU 65	ZN 67	ZN 68	AS 73
		-62.9300	-61.5280	-66.7480	-65.5160	-67.1060	-65.4276	-67.8630	-69.9940	-70.9210
HE6		-22.6315	-15.1415	-13.1045	-7.5083	-3.1662	-7.1199	-16.8563	-4.8588	-1.0759
		0.0073	0.0078	0.0079	0.0088	0.0081	0.0119	0.0081	0.0082	0.0088
	CO 59	CO 60	NI 60	NI 61	NI 62	CU 62	CU 63	ZN 65	ZN 66	AS 71
		-62.2327	-61.6513	-64.4707	-64.2200	-66.7480	-62.8130	-65.5831	-65.9170	-68.8810
LI6		-20.6945	-11.7720	-12.4141	-5.2885	-4.8764	0.3249	-13.4136	-0.1921	-11.4552
		0.0067	0.0304	0.0068	0.0403	0.0403	0.0072	0.0072	0.0104	0.0069
	FE 59	FE 60	CO 60	CO 61	CO 62	NI 62	NI 63	CU 65	CU 66	GE 71
		-60.6599	-61.5110	-61.6513	-62.9300	-61.5280	-66.7480	-65.5160	-66.2550	-69.8992

30 ZN 66

MASS EXCESS -68.8810 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.0534	5.2700	11.3289	15.3952	13.1510	4.1018	13.4264	16.9473	5.2620
		0.0117	0.0117	0.0085	0.0069	0.0073	0.0062	0.0117	0.0306	0.0078
GAMMA	ZN 66	ZN 67	GA 67	GA 68	GA 69	GE 69	GE 70	AS 72	AS 73	KR 78
		-67.8630	-66.8620	-67.0740	-69.3262	-67.1007	-70.5580	-68.2190	-70.9210	-74.1430
	-11.0354		-5.9574	3.0455	5.0715	4.5489	-7.4270	5.0290	6.1739	-6.6024
	0.0078		0.0085	0.0117	0.0085	1.0000	0.0073	0.0109	0.0117	0.0802
N	ZN 65	ZN 66	GA 66	GA 67	GA 68	GE 68	GE 69	AS 71	AS 72	KR 77
	-65.9170		-63.7060	-66.8620	-67.0740	-66.5700	-67.1007	-67.8930	-68.2190	-70.3500
	-8.9040	-1.8435		4.8289	8.7740	5.8354	-4.4190	7.8176	11.3164	-2.9340
	0.0078	0.0108		0.0117	0.0078	0.0085	0.0069	0.0076	0.0063	0.0085
P	CU 65	CU 66	ZN 66	ZN 67	ZN 68	GA 68	GA 69	GE 71	GE 72	BR 77
	-67.2660	-66.2550		-67.8630	-69.9940	-67.0740	-69.3262	-69.8992	-72.5791	-73.2360
	-16.5893	-6.6795	-8.8109		0.7960	-0.2236	-12.5182	2.6295	2.7896	-11.3869
	0.0077	0.0078	0.0078		0.0117	0.0117	0.0085	0.0063	0.0076	0.0603
D	CU 64	CU 65	ZN 65	ZN 66	ZN 67	GA 67	GA 68	GE 70	GE 71	BR 76
	-65.4276	-67.2660	-65.9170		-67.8630	-66.8620	-67.0740	-70.5580	-69.8992	-70.6300
	-18.2478	-10.3319	-10.5417	-4.7780		-5.1936	-14.5442	-2.6418	1.6344	-14.6719
	0.0077	0.0077	0.0076	0.0078		0.0085	0.0117	0.0074	0.0063	0.0209
T	CU 63	CU 64	ZN 64	ZN 65	ZN 66	GA 66	GA 67	GE 69	GE 70	BR 75
	-65.5831	-65.4276	-66.0003	-65.9170		-63.7060	-66.8620	-67.1007	-70.5580	-69.1590
	-18.2963	-8.6349	-11.0957	-3.4104	-2.6074		-13.5246	-0.3977	-0.0080	-11.6459
	0.0078	0.0078	0.0077	0.0078	0.0108		0.0117	0.0070	0.0086	0.0071
HE3	NI 63	NI 64	CU 64	CU 65	CU 66	ZN 66	ZN 67	GA 69	GA 70	SE 75
	-65.5160	-67.1060	-65.4276	-67.2660	-66.2550		-67.8630	-69.3262	-68.8970	-72.1664
	-4.5577	2.2817	1.5663	7.2578	10.9102	9.5426		9.8567	12.9278	0.9065
	0.0078	0.0078	0.0078	0.0077	0.0078	0.0078		0.0086	0.0070	0.0077
HE4	NI 62	NI 63	CU 63	CU 64	CU 65	ZN 65	ZN 66	GA 68	GA 69	SE 74
	-66.7480	-65.5160	-65.5831	-65.4276	-67.2660	-65.9170		-67.0740	-69.3262	-72.2122
	-22.0085	-14.1878	-17.2062	-10.5303	-5.9461	-9.3309	-18.0541	-8.6848	-4.7099	-18.8592
	0.0086	0.0094	0.0101	0.0123	0.0087	0.0094	0.0086	0.0094	0.0124	1.0000
HE6	NI 60	NI 61	CU 61	CU 62	CU 63	ZN 63	ZN 64	GA 66	GA 67	SE 72
	-64.4707	-64.2200	-61.9840	-62.8130	-65.5831	-62.2170	-66.0003	-63.7060	-66.8620	-67.6200
	-21.3181	-11.9680	-11.4604	-3.0855	-2.5034	-2.4550	-15.1170		-0.1991	-14.7504
	0.0076	0.0405	0.0086	0.0079	0.0079	0.0078	0.0078		0.0118	0.0117
LI6	CO 60	CO 61	NI 61	NI 62	NI 63	CU 63	CU 64	ZN 66	ZN 67	AS 72
	-61.6513	-62.9300	-64.2200	-66.7480	-65.5160	-65.5831	-65.4276		-67.8630	-68.2190

30 ZN 67

MASS EXCESS -67.8630 +/- 0.0100 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12	
OUTGOING											
GAMMA	ZN 67	10.2024	6.5000	14.5991	15.9840	17.6263	4.4610	17.1464	17.8993	6.5920	
		0.0112	0.0117	0.0106	0.0117	0.0101	0.0110	0.0316	0.0108	0.0117	
		ZN 68	GA 68	GA 69	GA 70	GE 70	GE 71	AS 73	AS 74	KR 79	
		-69.9940	-67.0740	-69.3262	-68.8970	-70.5580	-69.8992	-70.9210	-70.8550	-74.4550	
N	ZN 66	-7.0534	-1.7834	4.2755	8.3417	6.0976	-2.9517	6.3730	9.8939	-1.7914	
		0.0117	0.0141	0.0117	0.0106	0.0108	0.0102	0.0142	0.0316	0.0112	
		ZN 67	GA 67	GA 68	GA 69	GE 69	GE 70	AS 72	AS 73	KR 78	
		-68.8810	-66.8620	-67.0740	-69.3262	-67.1007	-70.5580	-68.2190	-70.9210	-74.1430	
P	CU 66	-8.8970	0.2105	7.9779	8.2230	9.1055	-3.8302	11.5155	11.0483	-1.7050	
		0.0135	0.0156	0.0112	0.0117	0.0106	0.0117	0.0102	0.0102	0.0117	
		ZN 67	ZN 67	ZN 68	ZN 69	GA 69	GA 70	GE 72	GE 73	BR 78	
		-66.2550	-67.2910	-69.9940	-68.4250	-69.3262	-68.8970	-72.5791	-71.2930	-73.4470	
D	CU 65	-13.7329	-6.6725	-4.8289	3.9450	1.0064	-9.2480	2.9887	6.4875	-7.7629	
		0.0112	0.0135	0.0117	0.0112	0.0117	0.0106	0.0111	0.0102	0.0117	
		ZN 66	ZN 66	ZN 67	ZN 68	GA 68	GA 69	GE 71	GE 72	BR 77	
		-67.2660	-66.2550	-68.8810	-69.9940	-67.0740	-69.3262	-69.8992	-72.5791	-73.2360	
T	CU 64	-17.3853	-7.4755	-9.6070	-0.7960	-1.0196	-13.3142	1.8335	1.9936	-12.1829	
		0.0111	0.0112	0.0112	0.0117	0.0141	0.0117	0.0102	0.0111	0.0608	
		ZN 65	ZN 65	ZN 66	ZN 67	GA 67	GA 68	GE 70	GE 71	BR 76	
		-65.4276	-67.2660	-65.9170	-68.8810	-66.8620	-67.0740	-70.5580	-69.8992	-70.6300	
HE3	NI 64	-15.6883	-9.5859	-8.2393	-3.4034	-0.5534	-10.3756	0.1911	2.2477	-7.5373	
		0.0112	0.0128	0.0112	0.0135	0.0156	0.0112	0.0117	0.0109	0.0122	
		ZN 65	CU 65	CU 66	CU 67	ZN 67	ZN 68	GA 70	GA 71	SE 76	
		-67.1060	-65.1370	-67.2660	-66.2550	-67.2910	-69.9940	-68.8970	-70.1347	-75.2570	
HE4	NI 63	-4.7717	4.8897	2.4288	10.1142	10.9172	13.5246	13.1269	13.5166	1.8787	
		0.0112	0.0112	0.0111	0.0112	0.0135	0.0117	0.0106	0.0117	0.0107	
		ZN 64	NI 64	CU 64	CU 65	CU 66	ZN 66	ZN 67	GA 69	GA 70	SE 75
		-65.5160	-67.1060	-65.4276	-67.2660	-66.2550	-68.8810	-69.3262	-68.8970	-72.1664	
HE6	NI 61	-21.2412	-10.6418	-15.3592	-6.7422	-5.0836	-4.5296	-17.1194	-4.5108	-3.4799	-17.2902
		0.0123	0.0119	0.0147	0.0118	0.0118	0.0117	0.0119	0.0147	0.0124	0.0338
		NI 62	NI 62	CU 62	CU 63	CU 64	ZN 64	ZN 65	GA 67	GA 68	SE 73
		-64.2200	-66.7480	-62.8130	-65.5831	-65.4276	-66.0003	-65.9170	-66.8620	-67.0740	-68.1710
LI6	CO 61	-19.0214	-12.3520	-7.9144	-3.2995	0.1046	-1.5925	-12.2606	2.9499	-11.0304	
		0.0412	0.0412	0.0112	0.0112	0.0112	0.0111	0.0112	0.0113	0.0316	
		CO 62	CO 62	NI 62	NI 63	NI 64	CU 64	CU 65	ZN 67	ZN 68	AS 73
		-62.9300	-61.5280	-66.7480	-65.5160	-67.1060	-65.4276	-67.2660	-69.9940	-70.9210	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.5024	6.6212	12.0389	15.0906	14.8365	5.0098	14.9494	17.9445	7.8970
		0.0078	0.0060	0.0078	0.0066	0.0068	0.0053	0.0064	0.0063	0.0078
GAMMA	ZN 68	ZN 69	GA 69	GA 70	GA 71	GE 71	GE 72	AS 74	AS 75	KR 80
		-68.4250	-69.3262	-68.8970	-70.1347	-69.8992	-72.5791	-70.8550	-73.0312	-77.8910
		-10.2024	-3.7024	4.3967	5.7815	7.4239	-5.7415	6.9440	7.6969	-3.6104
		0.0112	0.0078	0.0060	0.0078	0.0053	0.0068	0.0304	0.0064	0.0078
N	ZN 67	ZN 68	GA 68	GA 69	GA 70	GE 70	GE 71	AS 73	AS 74	KR 79
		-67.8630	-67.0740	-69.3262	-68.8970	-70.5580	-69.8992	-70.9210	-70.8550	-74.4550
		-9.9920	-3.8015	4.2779	7.2170	6.5454	-4.7235	8.0984	11.0428	-1.2083
		0.0130	0.0602	0.0078	0.0078	0.0078	0.0066	0.0054	0.0054	0.0059
P	CU 67	CU 68	ZN 68	ZN 69	ZN 70	GA 70	GA 71	GE 73	GE 74	BR 79
		-67.2910	-65.4100	-68.4250	-69.5500	-68.8970	-70.1347	-71.2930	-73.4185	-76.0747
		-16.8749	-7.7675	-7.9779	0.2450	1.1276	-11.8082	3.5376	3.0704	-9.6829
		0.0103	0.0130	0.0112	0.0078	0.0061	0.0078	0.0054	0.0054	0.0078
D	CU 66	CU 67	ZN 68	ZN 69	ZN 68	GA 69	GA 70	GE 72	GE 73	BR 78
		-66.2550	-67.2910	-67.8630	-68.4250	-69.3262	-68.8970	-72.5791	-71.2930	-73.4470
		-17.6779	-10.6175	-8.7740	-3.9450	-2.9386	-13.1930	-0.9563	2.5424	-11.7079
		0.0071	0.0103	0.0078	0.0112	0.0078	0.0061	0.0069	0.0054	0.0078
T	CU 65	CU 66	ZN 66	ZN 67	ZN 68	GA 68	GA 69	GE 71	GE 72	BR 77
		-67.2660	-66.2550	-68.8810	-67.8630	-67.0740	-69.3262	-69.8992	-72.5791	-73.2360
		-19.7883	-10.7989	-11.3813	-4.4984	-4.5654	-14.0756	-0.7022	-1.4350	-10.3243
		0.0094	0.0314	0.0103	0.0130	0.0602	0.0078	0.0067	0.0087	0.0071
HE3	NI 65	NI 66	CU 66	CU 67	CU 68	ZN 68	ZN 69	GA 71	GA 72	SE 77
		-65.1370	-66.0550	-66.2550	-67.2910	-65.4100	-68.4250	-70.1347	-68.5830	-74.6010
		-5.3127	0.7897	2.1362	6.9722	9.8222	10.3756	10.5667	12.6232	2.8383
		0.0071	0.0094	0.0071	0.0103	0.0130	0.0112	0.0079	0.0067	0.0086
HE4	NI 64	NI 65	CU 65	CU 66	CU 67	ZN 67	ZN 68	GA 70	GA 71	SE 76
		-67.1060	-65.1370	-67.2660	-66.2550	-67.2910	-67.8630	-68.8970	-70.1347	-75.2570
		-20.8442	-14.0048	-14.7201	-9.0287	-5.3763	-6.7439	-6.4298	-3.3587	-15.3800
		0.0081	0.0081	0.0081	0.0080	0.0081	0.0081	0.0088	0.0073	0.0080
HE6	NI 62	NI 63	CU 63	CU 64	CU 65	ZN 65	ZN 66	GA 68	GA 69	SE 74
		-66.7480	-65.5160	-65.5831	-65.4276	-67.2660	-65.9170	-68.8810	-67.0740	-69.3262
		-22.5544	-14.0910	-11.2774	-3.8405	-3.9955	-1.8851	-15.4026	-0.7501	-13.2274
		0.0403	0.2001	0.0072	0.0072	0.0095	0.0072	0.0104	0.0080	0.0064
LI6	CO 62	CO 63	NI 63	NI 64	NI 65	CU 65	CU 66	ZN 68	ZN 69	AS 74
		-61.5280	-61.9200	-65.5160	-67.1060	-65.1370	-67.2660	-66.2550	-68.4250	-70.8550

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.6422	8.5208	13.7089	18.2029	13.8241	4.0196	16.9286	20.8381	6.1038
		0.0069	0.0038	0.0057	0.0038	0.0106	0.0302	0.0051	0.0079	0.1001
GAMMA	GA 69	GA 70	GE 70	GE 71	GE 72	AS 72	AS 73	SE 75	SE 76	RB 81
		-68.8970	-70.5580	-69.8992	-72.5791	-68.2190	-70.9210	-72.1664	-75.2570	-75.4300
		-10.3236	-3.0079	6.2963	7.4515	5.4267	-6.7539	8.9030	9.6761	-4.5976
		0.0069	0.0054	0.0038	0.0057	0.0096	0.0106	0.0060	0.0051	0.6000
N	GA 68	GA 69	GE 69	GE 70	GE 71	AS 71	AS 72	SE 74	SE 75	RB 80
		-67.0740	-67.1007	-70.5580	-69.8992	-67.8930	-68.2190	-72.2122	-72.1664	-72.8000
		-6.6212	-0.1187	5.4177	8.4695	8.2154	-1.6113	8.3282	11.3233	1.2758
		0.0060	0.0069	0.0069	0.0055	0.0057	0.0038	0.0053	0.0051	0.0069
P	ZN 68	ZN 69	GA 69	GA 70	GA 71	GE 71	GE 72	AS 74	AS 75	KR 80
		-69.9940	-68.4250	-68.8970	-70.1347	-69.8992	-72.5791	-70.8550	-73.0312	-77.8910
		-14.5991	-4.3967	-8.0991	1.3848	3.0272	-10.1382	2.5473	3.3002	-8.0071
		0.0106	0.0060	0.0069	0.0069	0.0038	0.0057	0.0302	0.0053	0.0069
D	ZN 67	ZN 68	GA 68	GA 69	GA 70	GE 70	GE 71	AS 73	AS 74	KR 79
		-67.8630	-69.9940	-67.0740	-68.8970	-70.5580	-69.8992	-70.9210	-70.8550	-74.4550
		-15.3951	-8.3417	-10.1252	-4.0662	-2.2441	-11.2934	-1.9687	1.5522	-10.1331
		0.0069	0.0106	0.0106	0.0069	0.0054	0.0038	0.0106	0.0302	0.0061
T	ZN 66	ZN 67	GA 67	GA 68	GA 69	GE 69	GE 70	AS 72	AS 73	KR 78
		-68.8810	-67.8630	-66.8620	-67.0740	-67.1007	-70.5580	-68.2190	-70.9210	-74.1430
		-18.0025	-8.8951	-9.1055	-1.1276	-0.8826	-12.9358	2.4100	1.9428	-10.8105
		0.0096	0.0125	0.0106	0.0061	0.0069	0.0069	0.0039	0.0040	0.0069
HE3	CU 66	CU 67	ZN 67	ZN 68	ZN 69	GA 69	GA 70	GE 72	GE 73	BR 78
		-66.2550	-67.2910	-67.8630	-69.9940	-68.4250	-68.8970	-72.5791	-71.2930	-73.4470
		-4.4849	2.5755	4.4190	9.2480	13.1930	10.2544	12.2367	15.7355	1.4851
		0.0061	0.0096	0.0069	0.0106	0.0061	0.0069	0.0058	0.0039	0.0069
HE4	CU 65	CU 66	ZN 66	ZN 67	ZN 68	GA 68	GA 69	GE 71	GE 72	BR 77
		-67.2660	-66.2550	-68.8810	-67.8630	-69.9940	-67.0740	-69.8992	-72.5791	-73.2360
		-21.3413	-13.4254	-13.6351	-7.8715	-3.0934	-8.2871	-17.6376	-5.7353	-17.7654
		0.0072	0.0071	0.0070	0.0073	0.0080	0.0080	0.0113	0.0068	0.0207
HE6	CU 63	CU 64	ZN 64	ZN 65	ZN 66	GA 66	GA 67	GE 69	GE 70	BR 75
		-65.5831	-65.4276	-66.0003	-65.9170	-68.8810	-63.7060	-66.8620	-67.1007	-69.1590
		-17.8986	-8.2372	-10.6980	-3.0127	-2.2096	0.3977	-13.1268	0.3897	-11.2482
		0.0061	0.0061	0.0060	0.0061	0.0097	0.0070	0.0106	0.0071	0.0051
LI6	NI 63	NI 64	CU 64	CU 65	CU 66	ZN 66	ZN 67	GA 69	GA 70	SE 75
		-65.5160	-67.1060	-65.4276	-67.2660	-66.2550	-68.8810	-67.8630	-68.8970	-72.1664

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MASS EXCESS -70.1347 +/- 0.0043 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.5197	9.7334	14.2942	18.2338	15.6516	5.3213	18.5547	21.7931	9.0253
		0.0082	0.0046	0.0047	0.0046	0.0058	0.0057	0.0067	0.0051	1.0000
GAMMA	GA 71	GA 72	GE 72	GE 73	GE 74	AS 74	AS 75	SE 77	SE 78	RB 83
		-68.5830	-72.5791	-71.2930	-73.4185	-70.8550	-73.0312	-74.6010	-77.0205	-79.1600
		-9.3091	-1.0179	7.5089	8.0368	7.6462	-4.9264	11.1393	11.3022	-1.7871
		0.0074	0.0063	0.0046	0.0047	0.0303	0.0058	0.0083	0.0067	0.0303
N	GA 70	GA 71	GE 71	GE 72	GE 73	AS 73	AS 74	SE 76	SE 77	RB 82
		-68.8970	-69.8992	-72.5791	-71.2930	-70.9210	-70.8550	-75.2570	-74.6010	-76.4190
		-7.8737	-1.8322	4.2952	7.2693	8.8007	-1.5804	8.9507	11.4006	3.1657
		0.0074	0.0502	0.0082	0.0402	0.0047	0.0046	0.0128	0.0109	0.0064
P	ZN 70	ZN 71	GA 71	GA 72	GA 73	GE 73	GE 74	AS 76	AS 77	KR 82
		-69.5500	-67.5200	-68.5830	-69.7430	-71.2930	-73.4185	-72.2860	-73.9170	-80.5894
		-14.8456	-5.6492	-7.0846	0.2623	4.2398	-9.5529	3.8490	3.9227	-5.6006
		0.0074	0.0074	0.0074	0.0082	0.0046	0.0047	0.0058	0.0128	0.1001
D	ZN 69	ZN 70	GA 70	GA 71	GA 72	GE 72	GE 73	AS 75	AS 76	KR 81
		-68.4250	-69.5500	-68.8970	-68.5830	-72.5791	-71.2930	-73.0312	-72.2860	-77.6700
		-15.0906	-8.5882	-8.4695	-3.0517	-0.2541	-10.0808	-0.1412	2.8539	-7.1936
		0.0066	0.0074	0.0055	0.0074	0.0063	0.0046	0.0059	0.0058	0.0074
T	ZN 68	ZN 69	GA 69	GA 70	GA 71	GE 71	GE 72	AS 74	AS 75	KR 80
		-69.9940	-68.4250	-69.3262	-68.8970	-69.8992	-72.5791	-70.8550	-73.0312	-77.8910
		-19.6560	-9.3520	-2.3801	-2.5961		-14.0583	2.4409	1.6743	-9.1838
		0.0602	0.0074	0.0074	0.0502		0.0082	0.0047	0.0195	0.0055
HE3	CU 68	MASS CU 69	ZN 69	ZN 70	ZN 71	GA 71	GA 72	GE 74	GE 75	BR 80
		-65.4100	UNKNOWN -68.4250	-69.5500	-67.5200		-68.5830	-73.4185	-71.8330	-75.8822
		-5.2684	0.9220	4.7235	9.0015	11.9405	11.2689	12.8220	15.7664	3.5153
		0.0128	0.0602	0.0066	0.0074	0.0074	0.0074	0.0048	0.0047	0.0053
HE4	CU 67	CU 68	ZN 68	ZN 69	ZN 70	GA 70	GA 71	GE 73	GE 74	BR 79
		-67.2910	-65.4100	-69.9940	-68.4250	-69.5500	-68.8970	-71.2930	-73.4185	-76.0747
		-20.4669	-13.4065	-11.5629	-6.7340	-2.7889	-5.7276	-15.9819	-3.7453	-0.2465
		0.0077	0.0107	0.0084	0.0116	0.0077	0.0084	0.0068	0.0075	0.0062
HE6	CU 65	CU 66	ZN 66	ZN 67	ZN 68	GA 68	GA 69	GE 71	GE 72	BR 77
		-67.2660	-66.2550	-68.8810	-67.8630	-69.9940	-67.0740	-69.3262	-69.8992	-72.5791
		-19.0861	-10.0967	-10.6791	-3.7962	-3.8631	0.7022	-13.3733		-0.7328
		0.0091	0.0313	0.0100	0.0128	0.0602	0.0067	0.0075		0.0084
LI6	NI 65	NI 66	CU 66	CU 67	CU 68	ZN 68	ZN 69	GA 71	GA 72	SE 77
		-65.1370	-66.0550	-66.2550	-67.2910	-65.4100	-69.9940	-68.4250	-68.5830	-74.6010

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.4126	4.6240	10.7969	15.3130	12.5443	4.0790	14.1604	17.5853	5.4620
		0.0049	0.0092	0.0101	0.0300	0.0320	0.0051	0.0600	0.0063	1.0000
GAMMA	GE 70	GE 71	AS 71	AS 72	AS 73	SE 73	SE 74	BR 76	BR 77	SR 82
		-69.8992	-67.8930	-68.2190	-70.9210	-68.1710	-72.2122	-70.6300	-73.2360	-76.0200
		-11.5287	-7.0184	2.3995	4.5395	3.9219	-8.0337	4.6180	6.9079	
		0.0045	0.0300	0.0092	0.0101	1.0000	0.0320	0.0201	0.0600	MASS
N	GE 69	GE 70	AS 70	AS 71	AS 72	SE 72	SE 73	BR 75	BR 76	SR 81
		-67.1007	-64.3220	-67.8930	-68.2190	-67.6200	-68.1710	-69.1590	-70.6300	UNKNOWN
		-8.5208	-0.8785	5.1881	9.6821	5.3034	-4.5012	8.4078	12.3173	-2.4170
		0.0038	0.0062	0.0049	0.0023	0.0101	0.0301	0.0042	0.0073	0.1000
P	GA 69	GA 70	GE 70	GE 71	GE 72	AS 72	AS 73	SE 75	SE 76	RB 81
		-69.3262	-68.8970	-69.8992	-72.5791	-68.2190	-70.9210	-72.1664	-75.2570	-75.4300
		-16.6199	-6.2963	-9.3042	1.1552	-0.8696	-13.0502	2.6067	3.3798	-10.8939
		0.0062	0.0038	0.0045	0.0049	0.0092	0.0102	0.0052	0.0042	0.6000
D	GA 68	GA 69	GE 69	GE 70	GE 71	AS 71	AS 72	SE 74	SE 75	RB 80
		-67.0740	-69.3262	-67.1007	-69.8992	-67.8930	-68.2190	-72.2122	-72.1664	-72.8000
		-18.6459	-10.3625	-11.6490	-5.2713	-6.2546	-15.1902	-3.2485	1.6116	
		0.0101	0.0062	1.0000	0.0045	0.0300	0.0092	0.0321	0.0052	MASS
T	GA 67	GA 68	GE 68	GE 69	GE 70	AS 70	AS 71	SE 73	SE 74	RB 79
		-66.8620	-67.0740	-66.5700	-67.1007	-64.3220	-67.8930	-68.1710	-72.2122	UNKNOWN
		-17.6263	-7.4239	-11.1263	-3.0272	-1.6424	-13.1654	-0.4799	0.2730	-11.0343
		0.0101	0.0053	0.0062	0.0038	0.0062	0.0049	0.0301	0.0044	0.0062
HE3	ZN 67	ZN 68	GA 68	GA 69	GA 70	GE 70	GE 71	AS 73	AS 74	KR 79
		-67.8630	-69.9940	-67.0740	-69.3262	-68.8970	-69.8992	-70.9210	-70.8550	-74.4550
		-4.1017	2.9517	1.1682	7.2272	11.2934	9.0493	9.3247	12.8456	1.1603
		0.0062	0.0102	0.0102	0.0062	0.0038	0.0046	0.0102	0.0301	0.0053
HE4	ZN 66	ZN 67	GA 67	GA 68	GA 69	GE 69	GE 70	AS 72	AS 73	KR 78
		-68.8810	-67.8630	-66.8620	-67.0740	-69.3262	-67.1007	-68.2190	-70.9210	-74.1430
		-22.1559	-14.1678	-18.2092	-11.3143	-6.3442	-10.7649	-19.1614	-9.7458	-18.7262
		0.0063	0.0066	0.0166	0.0074	0.0109	0.1001	1.0000	0.0303	0.0101
HE6	ZN 64	ZN 65	GA 65	GA 66	GA 67	GE 67	GE 68	AS 70	AS 71	KR 76
		-66.0003	-65.9170	-62.6580	-63.7060	-66.8620	-62.4600	-66.5700	-64.3220	-67.8930
		-19.2188	-9.3090	-11.4404	-2.6295	-1.8334	-2.8531	-15.1476	0.1601	-14.0164
		0.0052	0.0054	0.0054	0.0063	0.0102	0.0102	0.0063	0.0051	0.0600
LI6	CU 64	CU 65	ZN 65	ZN 66	ZN 67	GA 67	GA 68	GE 70	GE 71	BR 76
		-65.4276	-67.2660	-65.9170	-68.8810	-67.8630	-66.8620	-67.0740	-69.8992	-70.6300

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MASS EXCESS -72.5791 +/- 0.0016 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.7853	5.6309	11.4118	15.4021	14.5186	5.1027	14.9563	18.4029	8.0589
GAMMA	GE 72	0.0024	0.0300	0.0042	0.0040	0.0040	0.0072	0.0063	0.0037	0.0040
		GE 73	AS 73	AS 74	AS 75	SE 75	SE 76	BR 78	BR 79	SR 84
		-71.2930	-70.9210	-70.8550	-73.0312	-72.1664	-75.2570	-73.4470	-76.0747	-80.6380
N		-10.7513	-5.1425	3.4064	5.1544	6.4930	-6.0594	6.6739	7.7038	-3.7005
		0.0049	0.0101	0.0300	0.0042	0.0051	0.0041	0.0063	0.0063	1.0000
	GE 71	GE 72	AS 72	AS 73	AS 74	SE 74	SE 75	BR 77	BR 78	SR 83
		-69.8992	-68.2190	-70.9210	-70.8550	-72.2122	-72.1664	-73.2360	-73.4470	-76.9500
P		-9.7334	-3.2136	4.5608	8.5004	5.9183	-4.4121	8.8213	12.0597	-0.7081
		0.0046	0.0072	0.0024	0.0023	0.0042	0.0041	0.0054	0.0032	1.0000
	GA 71	GA 72	GE 72	GE 73	GE 74	AS 74	AS 75	SE 77	SE 78	RB 83
		-70.1347	-68.5830	-71.2930	-73.4185	-70.8550	-73.0312	-74.6010	-77.0205	-79.1600
D		-16.8180	-7.5089	-8.5268	0.5279	0.1373	-12.4353	3.6304	3.7933	-9.2960
		0.0062	0.0046	0.0049	0.0024	0.0300	0.0042	0.0073	0.0054	0.0300
	GA 70	GA 71	GE 71	GE 72	GE 73	AS 73	AS 74	SE 76	SE 77	RB 82
		-68.8970	-70.1347	-69.8992	-71.2930	-70.9210	-70.8550	-75.2570	-74.6010	-76.4190
T		-18.2028	-10.5606	-9.6821	-4.4939	-4.3787	-14.1833	-1.2742	2.6353	-12.0990
		0.0038	0.0062	0.0023	0.0049	0.0101	0.0300	0.0042	0.0073	0.1000
	GA 69	GA 70	GE 70	GE 71	GE 72	AS 72	AS 73	SE 75	SE 76	RB 81
		-69.3262	-68.8970	-70.5580	-69.8992	-68.2190	-70.9210	-72.1664	-75.2570	-75.4300
HE3		-19.0854	-9.8890	-11.3244	-4.2398	-3.9775	-13.7927	-0.3908	-0.3171	-9.8404
		0.0062	0.0062	0.0062	0.0046	0.0072	0.0024	0.0042	0.0122	0.1000
	ZN 69	ZN 70	GA 70	GA 71	GA 72	GE 72	GE 73	AS 75	AS 76	KR 81
		-68.4250	-69.5500	-68.8970	-70.1347	-68.5830	-71.2930	-73.0312	-72.2860	-77.6700
HE4		-5.0098	1.4926	1.6113	7.0291	10.0808	9.8267	9.9396	12.9347	2.8872
		0.0053	0.0062	0.0038	0.0062	0.0046	0.0049	0.0044	0.0042	0.0062
	ZN 68	ZN 69	GA 69	GA 70	GA 71	GE 71	GE 72	AS 74	AS 75	KR 80
		-69.9940	-68.4250	-69.3262	-68.8970	-70.1347	-69.8992	-70.8550	-73.0312	-77.8910
HE6		-21.2963	-14.2429	-16.0263	-9.9674	-5.9011	-8.1453	-17.1945	-7.8699	-4.3490
		0.0074	0.0109	0.0109	0.0074	0.0055	0.0060	0.0046	0.0109	0.0066
	ZN 66	ZN 67	GA 67	GA 68	GA 69	GE 69	GE 70	AS 72	AS 73	KR 78
		-68.8810	-67.8630	-66.8620	-67.0740	-69.3262	-67.1007	-70.5580	-68.2190	-70.9210
LI6		-20.4125	-11.3051	-11.5155	-3.5376	-3.2925	-2.4100	-15.3457	-0.4672	-13.2205
		0.0092	0.0122	0.0102	0.0054	0.0063	0.0039	0.0063	0.0029	0.0063
	CU 66	CU 67	ZN 67	ZN 68	ZN 69	GA 69	GA 70	GE 72	GE 73	BR 78
		-66.2550	-67.2910	-67.8630	-69.9940	-68.4250	-69.3262	-68.8970	-71.2930	-73.4470

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		10.1969	6.8510	14.8741	15.9430	18.8953	5.7327	18.8701	19.4965	9.7560
		0.0024	0.0043	0.0041	0.0121	0.0072	0.0053	0.0037	0.0040	0.0301
GAMMA	GE 73	GE 74	AS 74	AS 75	AS 76	SE 76	SE 77	BR 79	BR 80	SR 85
		-73.4185	-70.8550	-73.0312	-72.2860	-75.2570	-74.6010	-76.0747	-75.8822	-81.0490
		-6.7853	-1.1545	4.6265	8.6167	7.7333	-1.6827	8.1710	11.6176	1.2736
		0.0024	0.0301	0.0043	0.0041	0.0041	0.0072	0.0064	0.0038	0.0041
N	GE 72	GE 73	AS 73	AS 74	AS 75	SE 75	SE 76	BR 78	BR 79	SR 84
		-72.5791	-70.9210	-70.8550	-73.0312	-72.1664	-75.2570	-73.4470	-76.0747	-80.6380
		-9.9990	-0.7675	7.9724	8.2010	9.3806	-3.8712	12.5269	12.2461	1.1705
		0.0072	0.0400	0.0024	0.0191	0.0041	0.0121	0.0033	0.0049	0.0047
P	GA 72	GA 73	GE 73	GE 74	GE 75	AS 75	AS 76	SE 78	SE 79	RB 84
		-68.5830	-69.7430	-73.4185	-71.8330	-73.0312	-72.2860	-77.0205	-75.9208	-79.7525
		-14.2942	-7.7745	-4.5608	3.9395	1.3574	-8.9730	4.2605	7.4989	-5.2689
		0.0047	0.0072	0.0024	0.0024	0.0043	0.0041	0.0054	0.0033	1.0000
D	GA 71	GA 72	GE 72	GE 73	GE 74	AS 74	AS 75	SE 77	SE 78	RB 83
		-70.1347	-68.5830	-72.5791	-73.4185	-70.8550	-73.0312	-74.6010	-77.0205	-79.1600
		-17.3459	-8.0368	-9.0548	-0.5279	-0.3906	-12.9632	3.1025	3.2654	-9.8239
		0.0063	0.0047	0.0049	0.0024	0.0301	0.0043	0.0073	0.0054	0.0301
T	GA 70	GA 71	GE 71	GE 72	GE 73	AS 73	AS 74	SE 76	SE 77	RB 82
		-68.8970	-70.1347	-69.8992	-72.5791	-70.9210	-70.8550	-75.2570	-74.6010	-76.4190
		-16.6743	-10.6329	-8.8006	-4.5054	-1.5314	-10.3811	0.1501	2.6000	-5.6349
		0.0063	0.0500	0.0047	0.0072	0.0400	0.0024	0.0122	0.0102	0.0050
HE3	ZN 70	ZN 71	GA 71	GA 72	GA 73	GE 73	GE 74	AS 76	AS 77	KR 82
		-69.5500	-67.5200	-70.1347	-68.5830	-69.7430	-73.4185	-72.2860	-73.9170	-80.5894
		-5.2927	3.9037	2.4682	9.5529	9.8152	13.7927	13.4019	13.4756	3.9523
		0.0063	0.0063	0.0063	0.0047	0.0072	0.0024	0.0043	0.0122	0.1000
HE4	ZN 69	ZN 70	GA 70	GA 71	GA 72	GE 72	GE 73	AS 75	AS 76	KR 81
		-68.4250	-69.5500	-68.8970	-70.1347	-68.5830	-72.5791	-73.0312	-72.2860	-77.6700
		-21.0282	-10.8258	-14.5282	-6.4291	-5.0442	-3.4019	-16.5672	-3.8818	-3.1289
		0.0109	0.0067	0.0074	0.0056	0.0074	0.0047	0.0064	0.0303	0.0060
HE6	ZN 67	ZN 68	GA 68	GA 69	GA 70	GE 70	GE 71	AS 73	AS 74	KR 79
		-67.8630	-69.9940	-67.0740	-69.3262	-68.8970	-70.5580	-69.8992	-70.9210	-70.8550
		-18.0904	-11.9000	-8.0984	-3.8205	-0.8814	-1.5531	-12.8219	2.9444	-9.3067
		0.0122	0.0600	0.0054	0.0064	0.0064	0.0064	0.0048	0.0029	0.0037
LI6	CU 67	CU 68	ZN 68	ZN 69	ZN 70	GA 70	GA 71	GE 73	GE 74	BR 79
		-67.2910	-65.4100	-69.9940	-68.4250	-69.5500	-68.8970	-70.1347	-73.4185	-76.0747

32 GE 74

MASS EXCESS -73.4185 +/- 0.0016 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.4859	6.9017	12.0034	15.4485	16.1138	6.0268	16.5521	19.4608	11.0806
GAMMA	GE 74	0.0191	0.0040	0.0121	0.0101	0.0053	0.0030	0.0039	0.0054	0.0051
		GE 75	AS 75	AS 76	AS 77	SE 77	SE 78	BR 80	BR 81	SR 86
		-71.8330	-73.0312	-72.2860	-73.9170	-74.6010	-77.0205	-75.8822	-77.9720	-84.4991
N		-10.1969	-3.3460	4.6772	5.7460	8.6984	-4.4642	8.6732	9.2996	-0.4409
		0.0024	0.0042	0.0040	0.0121	0.0072	0.0053	0.0037	0.0039	0.0300
	GE 73	GE 74	AS 74	AS 75	AS 76	SE 76	SE 77	BR 79	BR 80	SR 85
	-71.2930	-70.8550	-73.0312	-72.2860	-75.2570	-74.6010	-76.0747	-75.8822	-81.0490	
P		-10.9645	-4.8160	4.2614	7.4518	6.5099	-4.3657	9.3017	11.9528	1.4485
		0.0400	0.0500	0.0191	0.0025	0.0121	0.0101	0.0048	0.0033	0.0053
	GA 73	GA 74	GE 74	GE 75	GE 76	AS 76	AS 77	SE 79	SE 80	RB 85
	-69.7430	-67.8200	-71.8330	-73.2093	-72.2860	-73.9170	-75.9208	-77.7530	-82.1560	
D		-17.9714	-8.7400	-7.9724	0.2285	1.4081	-11.8437	4.5545	4.2737	-6.8019
		0.0072	0.0400	0.0024	0.0191	0.0040	0.0121	0.0032	0.0048	0.0046
	GA 72	GA 73	GE 73	GE 74	GE 75	AS 75	AS 76	SE 78	SE 79	RB 84
	-68.5830	-69.7430	-71.2930	-71.8330	-73.0312	-72.2860	-77.0205	-75.9208	-79.7525	
T		-18.2337	-11.7140	-8.5004	-3.9395	-2.5821	-12.9125	0.3210	3.5594	-9.2084
		0.0046	0.0072	0.0023	0.0024	0.0042	0.0041	0.0054	0.0032	1.0000
	GA 71	GA 72	GE 72	GE 73	GE 74	AS 74	AS 75	SE 77	SE 78	RB 83
	-70.1347	-68.5830	-72.5791	-71.2930	-70.8550	-73.0312	-74.6010	-77.0205	-79.1600	
HE3		-20.8298	-12.1344	-12.4778	-5.4709	-5.5799	-14.0921	-0.3444	-0.6925	-8.3651
		0.0500	0.0091	0.0072	0.0400	0.0500	0.0191	0.0102	0.2000	0.0047
	ZN 71	ZN 72	GA 72	GA 73	GA 74	GE 74	GE 75	AS 77	AS 78	KR 83
	-67.5200	-68.1440	-68.5830	-69.7430	-67.8200	-71.8330	-73.9170	-72.7500	-79.9847	
HE4		-6.2932	-0.2518	1.5804	5.8757	8.8497	10.3811	10.5312	12.9811	4.7462
		0.0062	0.0500	0.0046	0.0072	0.0400	0.0024	0.0122	0.0102	0.0050
	ZN 70	ZN 71	GA 71	GA 72	GA 73	GE 73	GE 74	AS 76	AS 77	KR 82
	-69.5500	-67.5200	-70.1347	-68.5830	-69.7430	-71.2930	-72.2860	-73.9170	-80.5894	
HE6		-21.0227	-14.5203	-14.4015	-8.9838	-5.9320	-6.1862	-16.0128	-6.0733	-13.1257
		0.0066	0.0074	0.0055	0.0074	0.0061	0.0063	0.0046	0.0059	0.0074
	ZN 68	ZN 69	GA 69	GA 70	GA 71	GE 71	GE 72	AS 74	AS 75	KR 80
	-69.9940	-68.4250	-69.3262	-68.8970	-70.1347	-69.8992	-72.5791	-70.8550	-73.0312	-77.8910
LI6		-22.0969	-11.7929	-4.8210	-5.0369	-2.4409	-16.4991	-0.7666	-11.6247	
		0.0600	MASS	0.0063	0.0063	0.0500	0.0047	0.0073	0.0191	0.0039
	CU 68	CU 69	ZN 69	ZN 70	ZN 71	GA 71	GA 72	GE 74	GE 75	BR 80
	-65.4100	UNKNOWN	-68.4250	-69.5500	-67.5200	-70.1347	-68.5830	-71.8330	-75.8822	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.0321	7.9967	12.6766	15.4306	17.6428	6.9685	18.3761	20.7170	14.6847
		0.0500	0.0102	0.2000	0.0600	0.0048	0.0033	0.0055	0.0161	0.0063
GAMMA	GE 76	GE 77	AS 77	AS 78	AS 79	SE 79	SE 80	BR 82	BR 83	SR 88
		-71.1700	-73.9170	-72.7500	-73.6900	-75.9208	-77.7530	-77.4970	-79.0190	-87.8940
		-9.4477	-1.7057	5.7722	6.4192	10.6711	-2.9352	10.7797	11.1236	3.5842
		0.0191	0.0122	0.0102	0.2000	0.0031	0.0048	0.0055	0.0055	0.0038
N	GE 76	GE 75	AS 76	AS 77	AS 78	SE 78	SE 79	BR 81	BR 82	SR 87
		-71.8330	-72.2860	-73.9170	-72.7500	-77.0205	-75.9208	-77.9720	-77.4970	-84.8649
		-11.9683		3.8076	6.2117	7.1831	-4.3835	9.9861	11.9950	4.0925
		0.2000	MASS	0.0500	0.2000	0.2000	0.0600	0.0073	0.0064	0.0036
P	GA 75	MASS	GE 76	GE 77	GE 78	AS 78	AS 79	SE 81	SE 82	RB 87
		-68.5300	UNKNOWN	-71.1700	-71.7600	-72.7500	-73.6900	-76.3960	-77.5860	-84.5908
		-18.5252	-9.7438	-7.2232		-0.2253	2.5031	-11.1705	5.4962	4.9581
		0.0500	0.2000	0.0191		0.0500	0.0102	0.2000	0.0035	0.0073
D	GA 74	GA 75	GE 75	GE 76	GE 77	AS 77	AS 78	SE 80	SE 81	RB 86
		-67.8200	-68.5300	-71.8330		-71.1700	-73.9170	-72.7500	-77.7530	-76.3960
		-18.4162	-12.2678	-7.4518	-3.1903		-0.9419	-11.8175	1.8500	4.5011
		0.0400	0.0500	0.0025	0.0191		0.0122	0.0102	0.0049	0.0035
T	GA 73	GA 74	GE 74	GE 75	GE 76	AS 76	AS 77	SE 79	SE 80	RB 85
		-69.7430	-67.8200	-73.4185	-71.8330		-72.2860	-73.9170	-75.9208	-77.7530
			-13.0316	-6.4747				-14.5459	-0.3622	-1.4833
		MASS	MASS	0.0500	0.2000	MASS		0.0500	0.0600	0.2000
HE3	ZN 73	ZN 74	GA 74	GA 75	GA 76	GE 76	GE 77	AS 79	AS 80	KR 85
		UNKNOWN	UNKNOWN	-67.8200	-68.5300	UNKNOWN	-71.1700	-73.6900	-71.7500	-81.4830
		-7.4900		1.3979	5.3219	7.8459	11.1303		11.2044	12.9632
		0.0092	MASS	0.0400	0.0500	0.2000	0.0191		0.2000	0.0600
HE4	ZN 72	ZN 73	GA 73	GA 74	GA 75	GE 75	GE 76	AS 78	AS 79	KR 84
		-68.1440	UNKNOWN	-69.7430	-67.8200	-68.5300	-71.8330	-72.7500	-73.6900	-82.4326
		-21.2575	-15.2161	-13.3838	-9.0886	-6.1145	-4.5832	-14.9642	-4.4331	-1.9832
		0.0075	0.0502	0.0062	0.0083	0.0402	0.0048	0.0047	0.0128	0.0110
HE6	ZN 70	ZN 71	GA 71	GA 72	GA 73	GE 73	GE 74	AS 76	AS 77	KR 82
		-69.5500	-67.5200	-70.1347	-68.5830	-69.7430	-71.2930	-73.4185	-72.2860	-73.9170
			-12.4887	-6.0178			-2.6234	-17.0529		-1.2204
		MASS	MASS	0.0500	0.0093	MASS	0.0401	0.0500		0.0501
LI6	CU 70	CU 71	ZN 71	ZN 72	ZN 73	GA 73	GA 74	GE 76	GE 77	BR 82
		UNKNOWN	UNKNOWN	-67.5200	-68.1440	UNKNOWN	-69.7430	-67.8200	-71.1700	-77.4970

33 AS 75

MASS EXCESS -73.0312 +/- 0.0037 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.3262	9.5148	14.7057	18.9392	15.3471	5.4683	18.7272	22.4655	10.1188
		0.0126	0.0079	0.0062	0.0045	0.0071	0.0048	0.1001	0.0061	0.2000
GAMMA	AS 75	AS 76	SE 76	SE 77	SE 78	BR 78	BR 79	KR 81	KR 82	Y 87
		-72.2860	-75.2570	-74.6010	-77.0205	-73.4470	-76.0747	-77.6700	-80.5894	-83.1500
		-10.2476	-1.6473	7.2903	8.4483	7.0647	-5.2309	10.8768	11.4747	-1.8766
		0.0054	0.0052	0.0079	0.0062	0.0071	0.0071	0.0071	0.1001	0.0174
N	AS 74	AS 75	SE 75	SE 76	SE 77	BR 77	BR 78	KR 80	KR 81	Y 86
		-70.8550	-72.1664	-75.2570	-74.6010	-73.2360	-73.4470	-77.8910	-77.6700	-79.2260
		-6.9017	-0.4157	5.1017	8.5468	9.2121	-0.8749	9.6504	12.5591	4.1789
		0.0040	0.0194	0.0126	0.0107	0.0062	0.0045	0.0051	0.0063	0.0061
P	GE 74	GE 75	AS 75	AS 76	AS 77	SE 77	SE 78	BR 80	BR 81	SR 86
		-73.4185	-71.8330	-72.2860	-73.9170	-74.6010	-77.0205	-75.8822	-77.9720	-84.4991
		-14.8741	-4.6772	-8.0231	1.0688	4.0212	-9.1414	3.9960	4.6224	-5.1181
		0.0041	0.0040	0.0054	0.0126	0.0079	0.0062	0.0050	0.0051	0.0302
D	GE 73	GE 74	AS 74	AS 75	AS 76	SE 76	SE 77	BR 79	BR 80	SR 85
		-71.2930	-73.4185	-70.8550	-72.2860	-75.2570	-74.6010	-76.0747	-75.8822	-81.0490
		-15.4021	-8.6167	-9.7712	-3.9902	-0.8834	-10.2994	-0.4458	3.0009	-7.3432
		0.0040	0.0041	0.0302	0.0054	0.0052	0.0079	0.0071	0.0050	0.0052
T	GE 72	GE 73	AS 73	AS 74	AS 75	SE 75	SE 76	BR 78	BR 79	SR 84
		-72.5791	-71.2930	-70.9210	-70.8550	-72.1664	-75.2570	-73.4470	-76.0747	-80.6380
		-19.3795	-10.1481	-9.3805	-1.4081	-1.1796	-13.2518	3.1464	2.8656	-8.2100
		0.0079	0.0402	0.0041	0.0040	0.0194	0.0126	0.0046	0.0059	0.0057
HE3	GA 72	GA 73	GE 73	GE 74	GE 75	AS 75	AS 76	SE 78	SE 79	RB 84
		-68.5830	-69.7430	-71.2930	-73.4185	-71.8330	-72.2860	-77.0205	-75.9208	-79.7525
		-5.3212	1.1985	4.4121	8.9730	12.9125	10.3304	13.2334	16.4718	3.7041
		0.0057	0.0079	0.0041	0.0041	0.0041	0.0054	0.0063	0.0046	1.0000
HE4	GA 71	GA 72	GE 72	GE 73	GE 74	AS 74	AS 75	SE 77	SE 78	RB 83
		-70.1347	-68.5830	-72.5791	-71.2930	-73.4185	-70.8550	-74.6010	-77.0205	-79.1600
		-21.3032	-13.6610	-12.7824	-7.5943	-3.1004	-7.4791	-17.2837	-4.3746	-0.4651
		0.0064	0.0081	0.0057	0.0071	0.0057	0.0114	0.0305	0.0067	0.0089
HE6	GA 69	GA 70	GE 70	GE 71	GE 72	AS 72	AS 73	SE 75	SE 76	RB 81
		-69.3262	-68.8970	-70.5580	-69.8992	-72.5791	-68.2190	-70.9210	-72.1664	-75.2570
		-18.6946	-9.4982	-10.9336	-3.8490	-3.5866	0.3908	-13.4018	0.0737	-9.4496
		0.0071	0.0071	0.0071	0.0058	0.0080	0.0042	0.0043	0.0127	0.1001
LI6	ZN 69	ZN 70	GA 70	GA 71	GA 72	GE 72	GE 73	AS 75	AS 76	KR 81
		-68.4250	-69.5500	-68.8970	-70.1347	-68.5830	-72.5791	-71.2930	-72.2860	-77.6700

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33 As 75

34 SE 76

MASS EXCESS -75.2570 +/- 0.0070 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.4154	5.2680	11.3259	15.7677	14.1293	5.0588	15.2504	18.8103	8.5130
		0.0086	0.0092	0.0092	0.0077	0.0092	0.0092	0.0308	1.0000	1.0000
GAMMA	SE 76	SE 77	BR 77	BR 78	BR 79	KR 79	KR 80	RB 82	RB 83	ZR 88
		-74.6010	-73.2360	-73.4470	-76.0747	-74.4550	-77.8910	-76.4190	-75.1600	-83.7700
		-11.1620	-5.4094	3.0435	5.0685	5.7459	-6.4487	6.1900	7.9979	-3.6784
		0.0079	0.0604	0.0092	0.0092	0.0086	0.0092	0.1003	0.0308	0.2001
N	SE 75	SE 76	BR 76	BR 77	BR 78	KR 78	KR 79	RB 81	RB 82	ZR 87
		-72.1664	-70.6300	-73.2360	-73.4470	-74.1430	-74.4550	-75.4300	-76.4190	-79.6500
		-9.5148	-2.1885	5.1909	9.4245	5.8323	-4.0465	9.2124	12.9507	0.6040
		0.0079	0.0139	0.0086	0.0074	0.0092	0.0077	0.1003	0.0085	0.2001
P	AS 75	AS 76	SE 76	SE 77	SE 78	BR 78	BR 79	KR 81	KR 82	Y 87
		-73.0312	-72.2860	-74.6010	-77.0205	-73.4470	-76.0747	-77.6700	-80.5894	-83.1500
		-17.5379	-7.2903	-8.9375	1.1580	-0.2256	-12.5212	3.5865	4.1844	-9.1669
		0.0080	0.0079	0.0079	0.0086	0.0092	0.0092	0.0093	0.1003	0.0184
D	AS 74	AS 75	SE 75	SE 76	SE 77	BR 77	BR 78	KR 80	KR 81	Y 86
		-70.8550	-73.0312	-72.1664	-74.6010	-73.2360	-73.4470	-77.8910	-77.6700	-79.2260
		-19.2859	-11.2805	-10.7058	-4.9046	-4.6456	-14.5462	-1.6635	2.5914	-12.4179
		0.0308	0.0080	0.0085	0.0079	0.0604	0.0092	0.0093	0.0093	0.0328
T	AS 73	AS 74	SE 74	SE 75	SE 76	BR 76	BR 77	KR 79	KR 80	Y 85
		-70.9210	-70.8550	-72.2122	-72.1664	-70.6300	-73.2360	-74.4550	-77.8910	-77.7890
		-18.8953	-8.6984	-12.0443	-4.0212	-2.9524	-13.1626	-0.0252	0.6012	-9.1393
		0.0072	0.0072	0.0080	0.0079	0.0139	0.0086	0.0077	0.0079	0.0308
HE3	GE 73	GE 74	AS 74	AS 75	AS 76	SE 76	SE 77	BR 79	BR 80	SR 85
		-71.2930	-73.4185	-70.8550	-73.0312	-72.2860	-74.6010	-76.0747	-75.8822	-81.0490
		-5.1026	1.6827	0.5282	6.3092	10.2994	9.4160	9.8537	13.3003	2.9563
		0.0072	0.0072	0.0308	0.0080	0.0079	0.0079	0.0093	0.0077	0.0079
HE4	GE 72	GE 73	AS 73	AS 74	AS 75	SE 75	SE 76	BR 78	BR 79	SR 84
		-72.5791	-71.2930	-70.9210	-70.8550	-73.0312	-72.1664	-73.4470	-76.0747	-80.6380
		-22.2972	-14.8846	-17.6732	-11.5003	-6.9843	-9.7529	-18.2182	-8.1368	-16.8352
		0.0082	0.0093	0.0121	0.0128	0.0311	0.0330	0.0094	0.0605	0.0101
HE6	GE 70	GE 71	AS 71	AS 72	AS 73	SE 73	SE 74	BR 76	BR 77	SR 82
		-70.5580	-69.8992	-67.8930	-68.2190	-70.9210	-68.1710	-72.2122	-70.6300	-73.2360
		-20.4484	-11.1393	-12.1572	-3.6304	-3.1024	-3.4931	-16.0656	0.1629	-12.9264
		0.0093	0.0083	0.0084	0.0073	0.0073	0.0308	0.0081	0.0087	0.0308
LI6	GA 70	GA 71	GE 71	GE 72	GE 73	AS 73	AS 74	SE 76	SE 77	RB 82
		-68.8970	-70.1347	-69.8992	-72.5791	-71.2930	-70.9210	-70.8550	-74.6010	-76.4190

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		10.4909	6.1350	14.6096	16.2312	18.2213	5.4938	18.6474	20.0588	10.2440
		0.0056	0.0078	0.0059	0.0061	0.0078	0.1001	1.0000	0.0067	0.0071
GAMMA	SE 77	SE 78	BR 78	BR 79	BR 80	KR 80	KR 81	RB 83	RB 84	ZR 89
		-77.0205	-73.4470	-76.0747	-75.8822	-77.8910	-77.6700	-79.1600	-79.7525	-84.8450
		-7.4154	-2.1474	3.9105	8.3522	6.7139	-2.3567	7.8350	11.3949	1.0976
		0.0086	0.0078	0.0078	0.0059	0.0078	0.0078	0.0304	1.0000	1.0000
N	SE 76	SE 77	BR 77	BR 78	BR 79	KR 79	KR 80	RB 82	RB 83	ZR 88
		-75.2570	-73.2360	-73.4470	-76.0747	-74.4550	-77.8910	-76.4190	-79.1600	-83.7700
		-9.6040	0.0985	8.2664	8.9808	9.1161	-3.5830	12.7878	13.0020	2.3830
		0.0130	0.0112	0.0056	0.0067	0.0059	0.0061	0.0070	0.0068	0.0086
P	AS 76	AS 77	SE 77	SE 78	SE 79	BR 79	BR 80	KR 82	KR 83	Y 88
		-72.2860	-73.9170	-77.0205	-75.9208	-76.0747	-75.8822	-80.5894	-79.9847	-84.2730
		-14.7057	-7.3795	-5.1909	4.2335	0.6414	-9.2375	4.0215	7.7598	-4.5869
		0.0062	0.0130	0.0086	0.0056	0.0078	0.0059	0.1001	0.0070	0.2001
D	AS 75	AS 76	SE 76	SE 77	SE 78	BR 78	BR 79	KR 81	KR 82	Y 87
		-73.0312	-72.2860	-75.2570	-77.0205	-73.4470	-76.0747	-77.6700	-80.5894	-83.1500
		-18.6959	-8.4483	-10.0956	-1.1580	-1.3836	-13.6792	2.4285	3.0264	-10.3249
		0.0063	0.0062	0.0062	0.0086	0.0078	0.0078	0.0079	0.1001	0.0177
T	AS 74	AS 75	SE 75	SE 76	SE 77	BR 77	BR 78	KR 80	KR 81	Y 86
		-70.8550	-73.0312	-72.1664	-75.2570	-73.2360	-73.4470	-77.8910	-77.6700	-79.2260
		-16.1138	-9.6279	-9.2121	-4.1104	-0.6654	-10.0871	0.4383	3.3470	-5.0332
		0.0053	0.0196	0.0062	0.0130	0.0112	0.0056	0.0061	0.0072	0.0069
HE3	GE 74	GE 75	AS 75	AS 76	AS 77	SE 77	SE 78	BR 80	BR 81	SR 86
		-73.4185	-71.8330	-73.0312	-72.2860	-73.9170	-77.0205	-75.8822	-77.9720	-84.4991
		-5.7327	4.4642	1.1182	9.1414	10.2102	13.1626	13.1374	13.7638	4.0233
		0.0053	0.0053	0.0064	0.0062	0.0130	0.0086	0.0060	0.0062	0.0304
HE4	GE 73	GE 74	AS 74	AS 75	AS 76	SE 76	SE 77	BR 79	BR 80	SR 85
		-71.2930	-73.4185	-70.8550	-73.0312	-72.2860	-75.2570	-76.0747	-75.8822	-81.0490
		-22.3000	-11.5487	-16.6912	-8.1423	-6.3942	-5.0557	-17.6080	-4.8748	-3.8449
		0.0079	0.0066	0.0119	0.0307	0.0075	0.0080	0.0074	0.0088	0.0088
HE6	GE 71	GE 72	AS 72	AS 73	AS 74	SE 74	SE 75	BR 77	BR 78	SR 83
		-69.8992	-72.5791	-68.2190	-70.9210	-70.8550	-72.2122	-72.1664	-73.2360	-73.4470
		-18.5547	-12.0350	-8.8213	-4.2605	-0.3209	-2.9031	-13.2334	3.2384	-9.5294
		0.0067	0.0087	0.0054	0.0054	0.0054	0.0064	0.0063	0.0058	1.0000
LI6	GA 71	GA 72	GE 72	GE 73	GE 74	AS 74	AS 75	SE 77	SE 78	RB 83
		-70.1347	-68.5830	-72.5791	-71.2930	-73.4185	-70.8550	-73.0312	-77.0205	-79.1600

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MASS EXCESS -77.0205 +/- 0.0025 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.9717	6.3432	11.9976	15.9015	15.5808	5.9937	16.8204	20.0428	11.7497
		0.0051	0.0040	0.0042	0.0056	0.1000	0.0053	0.0051	0.0057	0.0046
GAMMA	SE 78	SE 79	BR 79	BR 80	BR 81	KR 81	KR 82	RB 84	RB 85	ZR 90
		-75.9208	-76.0747	-75.8822	-77.9720	-77.6700	-80.5894	-79.7525	-82.1560	-88.7702
	-10.4909		-4.3560	4.1187	5.7402	7.7304	-4.9972	8.1565	9.5679	-0.2469
	0.0056		0.0065	0.0040	0.0042	0.0065	0.1000	1.0000	0.0051	0.0056
N	SE 77	SE 78	BR 78	BR 79	BR 80	KR 80	KR 81	RB 83	RB 84	ZR 89
	-74.6010		-73.4470	-76.0747	-75.8822	-77.8910	-77.6700	-79.1600	-79.7525	-84.8450
	-10.3925	-3.4880		4.7472	8.3935	6.5041	-3.9127	9.7636	13.0304	3.3688
	0.0103	0.2000		0.0051	0.0037	0.0042	0.0056	0.0052	0.0043	0.0051
P	AS 77	AS 78	SE 78	SE 79	SE 80	BR 80	BR 81	KR 83	KR 84	Y 89
	-73.9170	-72.7500		-75.9208	-77.7530	-75.8822	-77.9720	-79.9847	-82.4326	-87.6783
	-17.8704	-8.1680	-8.2664		0.7143	0.8496	-11.8495	4.5214	4.7356	-5.8834
	0.0123	0.0103	0.0056		0.0051	0.0040	0.0042	0.0054	0.0052	0.0074
D	AS 76	AS 77	SE 77	SE 78	SE 79	BR 79	BR 80	KR 82	KR 83	Y 88
	-72.2860	-73.9170	-74.6010		-75.9208	-76.0747	-75.8822	-80.5894	-79.9847	-84.2730
	-18.9392	-11.6130	-9.4245	-4.2335		-3.5921	-13.4710	-0.2120	3.5263	-8.8204
	0.0045	0.0123	0.0074	0.0056		0.0065	0.0040	0.1000	0.0054	0.2000
T	AS 75	AS 76	SE 76	SE 77	SE 78	BR 78	BR 79	KR 81	KR 82	Y 87
	-73.0312	-72.2860	-75.2570	-74.6010		-73.4470	-76.0747	-77.6700	-80.5894	-83.1500
	-20.1188	-10.6711	-12.3768	-4.8989	-4.2519		-13.6063	0.1086	0.4525	-7.0869
	0.0192	0.0031	0.0123	0.0103	0.2000		0.0051	0.0057	0.0057	0.0041
HE3	GE 75	GE 76	AS 76	AS 77	AS 78	SE 78	SE 79	BR 81	BR 82	SR 87
	-71.8330	-73.2093	-72.2860	-73.9170	-72.7500		-75.9208	-77.9720	-77.4970	-84.8649
	-6.0267	0.4592	0.8749	5.9767	9.4217	10.0871		10.5254	13.4341	5.0539
	0.0030	0.0192	0.0045	0.0123	0.0103	0.0056		0.0044	0.0057	0.0054
HE4	GE 74	GE 75	AS 75	AS 76	AS 77	SE 77	SE 78	BR 80	BR 81	SR 86
	-73.4185	-71.8330	-73.0312	-72.2860	-73.9170	-74.6010		-75.8822	-77.9720	-84.4991
	-22.0396	-15.2543	-16.4087	-10.6278	-6.6375	-7.5210	-16.9369	-7.0833	-3.6367	-13.9807
	0.0050	0.0050	0.0304	0.0061	0.0060	0.0060	0.0084	0.0077	0.0058	0.0060
HE6	GE 72	GE 73	AS 73	AS 74	AS 75	SE 75	SE 76	BR 78	BR 79	SR 84
	-72.5791	-71.2930	-70.9210	-70.8550	-73.0312	-72.1664	-75.2570	-73.4470	-76.0747	-80.6380
	-22.5259	-13.2945	-12.5269	-4.5545	-4.3259	-3.1464	-16.3981		-0.2808	-11.3564
	0.0075	0.0401	0.0033	0.0032	0.0192	0.0046	0.0123		0.0053	0.0051
LI6	GA 72	GA 73	GE 73	GE 74	GE 75	AS 75	AS 76	SE 78	SE 79	RB 84
	-68.5830	-69.7430	-71.2930	-73.4185	-71.8330	-73.0312	-72.2860		-75.9208	-79.7525

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.7144	7.5080	12.8799	16.2160	17.1630	7.1044	19.0604	21.7451	10.7087
		0.0075	0.0057	0.0057	0.0162	0.0052	0.0043	0.0076	0.0043	0.0043
GAMMA	SE 80	SE 81	BR 81	BR 82	BR 83	KR 83	KR 84	RB 86	RB 87	ZR 92
		-76.3960	-77.9720	-77.4970	-79.0190	-79.9847	-82.4326	-82.7250	-84.5908	-88.4617
		-9.9036	-2.6532	5.2835	6.6225	9.6963	-3.4150	10.4200	11.8079	2.0684
		0.0052	0.0043	0.0057	0.0057	0.0054	0.0052	0.0058	0.0076	0.0055
N	SE 79	SE 80	BR 80	BR 81	BR 82	KR 82	KR 83	RB 85	RB 86	ZR 91
		-75.9208	-75.8822	-77.9720	-77.4970	-80.5894	-79.9847	-82.1560	-82.7250	-87.8928
		-11.3520	-5.2205	4.4899	7.4940	7.3863	-3.5982	10.5294	13.1246	1.3060
		0.0601	0.2000	0.0075	0.0066	0.0057	0.0162	0.0067	0.0050	0.0075
P	AS 79	AS 80	SE 80	SE 81	SE 82	BR 82	BR 83	KR 85	KR 86	Y 91
		-73.6900	-71.7500	-76.3960	-77.5860	-77.4970	-79.0190	-81.4830	-83.2593	-86.3480
		-18.1389	-9.1275	-7.6791	0.4570	2.0144	-10.9672	5.6321	5.5014	-4.3869
		0.2000	0.0601	0.0052	0.0075	0.0057	0.0057	0.0044	0.0067	0.0048
D	AS 78	AS 79	SE 79	SE 80	SE 81	BR 81	BR 82	KR 84	KR 85	Y 90
		-72.7500	-73.6900	-75.9208	-76.3960	-77.9720	-77.4970	-82.4326	-81.4830	-86.5020
		-18.7859	-11.8815	-8.3935	-3.6462	-1.8894	-12.3062	1.3702	4.6370	-5.0246
		0.0104	0.2000	0.0037	0.0052	0.0044	0.0057	0.0053	0.0044	0.0053
T	AS 77	AS 78	SE 78	SE 79	SE 80	BR 80	BR 81	KR 83	KR 84	Y 89
		-73.9170	-72.7500	-77.0205	-75.9208	-75.8822	-77.9720	-79.9847	-82.4326	-87.6783
		-21.5143	-12.8529	-12.6453	-5.8584	-5.9844	-13.8636	0.4231	-0.0470	-6.4693
		0.0501	0.2000	0.2000	0.0601	0.2000	0.0075	0.0163	0.0501	0.0075
HE3	GE 77	GE 78	AS 78	AS 79	AS 80	SE 80	SE 81	BR 83	BR 84	SR 89
		-71.1700	-71.7600	-72.7500	-73.6900	-71.7500	-76.3960	-79.0190	-77.7300	-86.2150
		-6.9684	-0.9363	1.0282	5.7082	8.4622	10.6744	11.4076	13.7486	7.7163
		0.0033	0.0501	0.0104	0.2000	0.0601	0.0052	0.0058	0.0163	0.0066
HE4	GE 76	GE 77	AS 77	AS 78	AS 79	SE 79	SE 80	BR 82	BR 83	SR 88
		-73.2093	-71.1700	-73.9170	-72.7500	-73.6900	-75.9208	-77.4970	-79.0190	-87.8940
		-21.9327	-15.4468	-15.0310	-9.9293	-6.4843	-5.8189	-15.9059	-5.3806	-2.4719
		0.0051	0.0196	0.0061	0.0129	0.0111	0.0070	0.0054	0.0060	0.0070
HE6	GE 74	GE 75	AS 75	AS 76	AS 77	SE 77	SE 78	BR 80	BR 81	SR 86
		-73.4185	-71.8330	-73.0312	-72.2860	-73.9170	-74.6010	-77.0205	-75.8822	-77.9720
		-24.0214	-15.2400	-12.7194	-5.4962	-5.7214	-2.9931	-16.6666	-0.5381	-9.1164
		0.0501	0.2000	0.0192	0.0035	0.0501	0.0104	0.2000	0.0077	0.0076
LI6	GA 74	GA 75	GE 75	GE 76	GE 77	AS 77	AS 78	SE 80	SE 81	RB 86
		-67.8200	-68.5300	-71.8330	-73.2093	-71.1700	-73.9170	-72.7500	-76.3960	-82.7250

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.9254	8.7220	13.2799	16.0440	18.8283	8.0981	19.1524	19.6213	9.6810
		0.2001	0.0171	0.0504	0.1002	0.0085	0.0072	0.0902	0.0504	0.0069
GAMMA	SE 82	SE 83	BR 83	BR 84	BR 85	KR 85	KR 86	RB 88	RB 89	ZR 94
		-75.4400	-79.0190	-77.7300	-78.6800	-81.4830	-83.2593	-82.6500	-82.3000	-87.2670
		-9.2614	-0.8715	6.4975	7.0225	11.7065	-1.7497	13.0218	11.8999	1.4556
		0.0092	0.0078	0.0171	0.0504	0.0069	0.0085	0.0068	0.0902	0.0085
N	SE 81	SE 82	BR 82	BR 83	BR 84	KR 84	KR 85	RB 87	RB 88	ZR 93
		-76.3960	-77.4970	-79.0190	-77.7300	-82.4326	-81.4830	-84.5908	-82.6500	-87.1130
		-12.2750		3.7009		7.7863	-3.7702	9.9114	9.8823	-0.6520
		0.2001	MASS	0.2001	MASS	0.0504	0.1002	0.0109	0.2201	0.0218
P	AS 81	AS 82	SE 82	SE 83	SE 84	BR 84	BR 85	KR 87	KR 88	Y 93
		-72.6000	UNKNOWN	-75.4400	UNKNOWN	-77.7300	-78.6800	-80.6980	-79.8500	-84.2230
		-18.9719	-10.0505	-7.0369		-0.3320	3.2284	-10.5672	6.6258	4.8834
		0.2001	0.2001	0.0092		0.2001	0.0171	0.0504	0.0073	0.0109
D	AS 80	AS 81	SE 81	SE 82	SE 83	BR 83	BR 84	KR 86	KR 87	Y 92
		-71.7500	-72.6000	-76.3960		-75.4400	-79.0190	-77.7300	-83.2593	-80.6980
		-18.8460	-12.7145	-7.4940	-3.0040		-0.1076	-11.0922	3.0354	5.6307
		0.0603	0.2001	0.0066	0.0092		0.0078	0.0171	0.0086	0.0073
T	AS 79	AS 80	SE 80	SE 81	SE 82	BR 82	BR 83	KR 85	KR 86	Y 91
		-73.6900	-71.7500	-77.7530	-76.3960	-77.4970	-79.0190	-81.4830	-83.2593	-86.3480
			-13.4783	-6.7814				-14.6526	0.2511	-1.9500
			0.2001	0.2001				0.2001	0.1002	0.3001
HE3	GE 79	GE 80	AS 80	AS 81	AS 82	SE 82	SE 83	BR 85	BR 86	SR 91
		UNKNOWN	-71.7500	-72.6000	UNKNOWN		-75.4400	-78.6800	-75.6600	-83.6780
		-8.2507	0.9682	4.8752	7.5392	11.3166		11.8076	13.5766	5.9453
		0.2001	MASS	0.0603	0.2001	0.2001	0.0092	0.0504	0.1002	0.0078
HE4	GE 78	GE 79	AS 79	AS 80	AS 81	SE 81	SE 82	BR 84	BR 85	SR 90
		-71.7600	UNKNOWN	-73.6900	-71.7500	-72.6000	-76.3960	-77.7300	-78.6800	-85.9560
		-21.9749	-15.9428	-13.9782	-9.2983	-6.5443	-4.3321	-15.0064	-3.5988	-1.2579
		0.0075	0.0505	0.0123	0.2001	0.0604	0.0085	0.0077	0.0088	0.0176
HE6	GE 76	GE 77	AS 77	AS 78	AS 79	SE 79	SE 80	BR 82	BR 83	SR 88
		-73.2093	-71.1700	-73.9170	-72.7500	-73.6900	-75.9208	-77.7530	-77.4970	-79.0190
			-13.2154	-6.7785					-1.3271	-9.0244
			0.0504	0.2001					0.2001	0.0902
LI6	GA 76	GA 77	GE 77	GE 78	GE 79	AS 79	AS 80	SE 82	SE 83	RB 88
		UNKNOWN	-71.1700	-71.7600	UNKNOWN	-73.6900	-71.7500		-75.4400	-82.6500

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MASS EXCESS -76.0747 +/- 0.0031 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.8789	9.1053	14.7312	19.4647	15.2756	5.5100	19.0627	23.3317	10.6753
		0.0046	0.0068	0.1000	0.0056	0.0302	1.0000	0.0302	0.0058	0.0601
GAMMA	BR 79	BR 80	KR 80	KR 81	KR 82	RB 82	RB 83	SR 85	SR 86	NB 91
		-75.8822	-77.8910	-77.6700	-80.5894	-76.4190	-79.1600	-81.0490	-84.4991	-86.7500
		-10.6991	-2.4022	6.8808	8.4738	6.2152	-5.3024	10.5803	11.8102	-1.4861
		0.0068	0.0068	0.0068	0.1000	0.1000	0.0302	0.0050	0.0302	0.0114
N	BR 78	BR 79	KR 79	KR 80	KR 81	RB 81	RB 82	SR 84	SR 85	NB 90
		-73.4470	-74.4550	-77.8910	-77.6700	-75.4300	-76.4190	-80.6380	-81.0490	-82.6600
		-6.3432	0.6286	5.6544	9.5583	9.2376	-0.3495	10.4772	13.6996	5.4065
		0.0040	0.0054	0.0046	0.0059	0.1000	0.0056	0.0054	0.0060	0.0050
P	SE 78	SE 79	BR 79	BR 80	BR 81	KR 81	KR 82	RB 84	RB 85	ZR 90
		-77.0205	-75.9208	-75.8822	-77.9720	-77.6700	-80.5894	-79.7525	-82.1560	-88.7702
		-14.6096	-4.1187	-8.4746	1.6215	3.6117	-9.1159	4.0378	5.4492	-4.3656
		0.0059	0.0040	0.0068	0.0046	0.0068	0.1000	1.0000	0.0054	0.0059
D	SE 77	SE 78	BR 78	BR 79	BR 80	KR 80	KR 81	RB 83	RB 84	ZR 89
		-74.6010	-77.0205	-73.4470	-75.8822	-77.8910	-77.6700	-79.1600	-79.7525	-84.8450
		-15.7676	-8.3522	-10.4997	-4.4417	-1.6383	-10.7089	-0.5173	3.0427	-7.2546
		0.0077	0.0059	0.0068	0.0068	0.0068	0.0068	0.0302	1.0000	1.0000
T	SE 76	SE 77	BR 77	BR 78	BR 79	KR 79	KR 80	RB 82	RB 83	ZR 88
		-75.2570	-74.6010	-73.2360	-73.4470	-74.4550	-77.8910	-76.4190	-79.1600	-83.7700
		-18.7200	-9.0176	-9.1160	-0.8496	-0.1353	-12.6991	3.6718	3.8860	-6.7330
		0.0124	0.0105	0.0059	0.0040	0.0054	0.0046	0.0057	0.0055	0.0077
HE3	AS 76	AS 77	SE 77	SE 78	SE 79	BR 79	BR 80	KR 82	KR 83	Y 88
		-72.2860	-73.9170	-74.6010	-77.0205	-75.9208	-75.8822	-80.5894	-79.9847	-84.2730
		-5.4682	1.8580	4.0465	9.2375	13.4710	9.8789	13.2590	16.9973	4.6505
		0.0048	0.0124	0.0077	0.0059	0.0040	0.0068	0.1001	0.0057	0.2000
HE4	AS 75	AS 76	SE 76	SE 77	SE 78	BR 78	BR 79	KR 81	KR 82	Y 87
		-73.0312	-72.2860	-75.2570	-74.6010	-77.0205	-73.4470	-77.6700	-80.5894	-83.1500
		-22.7519	-14.7465	-14.1717	-8.3706	-3.4660	-8.1116	-18.0121	-5.1295	-0.8746
		0.0304	0.0064	0.0070	0.0063	0.0086	0.0602	0.0079	0.0079	0.0079
HE6	AS 73	AS 74	SE 74	SE 75	SE 76	BR 76	BR 77	KR 79	KR 80	Y 85
		-70.9210	-70.8550	-72.2122	-72.1664	-75.2570	-70.6300	-73.2360	-74.4550	-77.8910
		-18.8701	-8.6732	-12.0191	-3.9960	-2.9271	0.0252	-13.1374	0.6264	-9.1141
		0.0037	0.0037	0.0051	0.0050	0.0124	0.0077	0.0060	0.0049	0.0302
LI6	GE 73	GE 74	AS 74	AS 75	AS 76	SE 76	SE 77	BR 79	BR 80	SR 85
		-71.2930	-73.4185	-70.8550	-73.0312	-72.2860	-75.2570	-74.6010	-75.8822	-81.0490

35 BR 79

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35 BR 81

MASS EXCESS -77.9720 +/- 0.0050 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING			7.5964	9.9064	15.1486	19.4106	16.7118	6.6088	20.9813	24.8293	9.2315
			0.0071	0.0069	0.0067	0.0060	0.0066	0.0071	0.0061	0.0079	0.0069
GAMMA	BR 81	BR 82	KR 82	KR 83	KR 84	RB 84	RB 85	SR 87	SR 88	NB 93	
		-77.4970	-80.5894	-79.9847	-82.4326	-79.7525	-82.1560	-84.8649	-87.8940	-87.2035	
		-10.1612		-1.0844	7.6819	8.8912	8.0479	-3.8662	12.5441	13.7288	0.4116
		0.0060		0.1001	0.0069	0.0067	1.0000	0.0066	0.0070	0.0061	0.0112
N	BR 80	BR 81	KR 81	KR 82	KR 83	RB 83	RB 84	SR 86	SR 87	NB 92	
		-75.8822	-77.6700	-80.5894	-79.9847	-79.1600	-79.7525	-84.4991	-84.8649	-86.4550	
		-7.5080	-0.7935		5.3719	8.7080	9.6551	-0.4036	11.5524	14.2371	3.2007
		0.0057	0.0086		0.0071	0.0168	0.0067	0.0060	0.0087	0.0060	0.0060
P	SE 80	SE 81	BR 81	BR 82	BR 83	KR 83	KR 84	RB 86	RB 87	ZR 92	
		-77.7530	-76.3960	-77.4970	-79.0190	-79.9847	-82.4326	-82.7250	-84.5908	-88.4617	
		-15.1871	-5.2835	-7.9367		1.3390	4.4128	-8.6985	5.1365	6.5244	-3.2151
		0.0067	0.0057	0.0060		0.0071	0.0069	0.0067	0.0072	0.0087	0.0069
D	SE 79	SE 80	BR 80	BR 81	BR 82	KR 82	KR 83	RB 85	RB 86	ZR 91	
		-75.9208	-77.7530	-75.8822	-77.4970	-80.5894	-79.9847	-82.1560	-82.7250	-87.8928	
		-15.9014	-8.9297	-9.5583	-3.9038		-0.3206	-9.9078	0.9190	4.1414	-4.1517
		0.0056	0.0067	0.0059	0.0061		0.1001	0.0069	0.0067	0.0072	0.0063
T	SE 78	SE 79	BR 79	BR 80	BR 81	KR 81	KR 82	RB 84	RB 85	ZR 90	
		-77.0205	-75.9208	-76.0747	-75.8822	-77.6700	-80.5894	-79.7525	-82.1560	-88.7702	
		-20.1533	-11.1419	-9.6935	-2.0144	-1.5574		-12.9816	3.6177	3.4870	-6.4013
		0.2001	0.0602	0.0067	0.0057	0.0086		0.0071	0.0061	0.0079	0.0064
HE3	AS 78	AS 79	SE 79	SE 80	SE 81	BR 81	BR 82	KR 84	KR 85	Y 90	
		-72.7500	-73.6900	-75.9208	-77.7530	-76.3960	-77.4970	-82.4326	-81.4830	-86.5020	
		-6.4797	0.4247	3.9127	8.6600	12.3062	10.4168		13.6764	16.9432	7.2816
		0.0112	0.2001	0.0056	0.0067	0.0057	0.0061		0.0068	0.0061	0.0067
HE4	AS 77	AS 78	SE 78	SE 79	SE 80	BR 80	BR 81	KR 83	KR 84	Y 89	
		-73.9170	-72.7500	-77.0205	-75.9208	-77.7530	-75.8822	-79.9847	-82.4326	-87.6783	
		-22.5390	-15.2128	-13.0242	-7.8333	-3.5997	-7.1919	-17.0707	-3.8118	-0.0735	-12.4202
		0.0074	0.0136	0.0095	0.0081	0.0069	0.0088	0.0071	0.1002	0.0080	0.2001
HE6	AS 75	AS 76	SE 76	SE 77	SE 78	BR 78	BR 79	KR 81	KR 82	Y 87	
		-73.0312	-72.2860	-75.2570	-74.6010	-77.0205	-73.4470	-76.0747	-77.6700	-80.5894	-83.1500
		-20.2274	-10.7797	-12.4854	-5.0075	-4.3604	-0.1086	-13.7148		0.3439	-7.1955
		0.0197	0.0055	0.0130	0.0112	0.2001	0.0057	0.0068		0.0072	0.0061
LI6	GE 75	GE 76	AS 76	AS 77	AS 78	SE 78	SE 79	BR 81	BR 82	SR 87	
		-71.8330	-73.2093	-72.2860	-73.9170	-72.7500	-77.0205	-75.9208	-77.4970	-84.8649	

36 KR 78

MASS EXCESS -74.1430 +/- 0.0050 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.3834		11.7929	16.2370		4.3018	14.2854	18.5533	6.0300
		0.0078	MASS	0.6000	0.1001	MASS	1.0000	0.1001	0.0324	0.0139
GAMMA	KR 78	KR 79	RB 79	RB 80	RB 81	SR 81	SR 82	Y 84	Y 85	MO 90
		-74.4550	UNKNOWN	-72.8000	-75.4300	UNKNOWN	-76.0200	-74.3400	-77.7890	-80.1730
		-11.8644			5.5355				7.0329	
		0.0802	MASS	MASS	0.6000	MASS	MASS	MASS	0.1001	MASS
N	KR 77	KR 78	RB 78	RB 79	RB 80	SR 80	SR 81	Y 83	Y 84	MO 89
		-70.3500	UNKNOWN	UNKNOWN	-72.8000	UNKNOWN	UNKNOWN	UNKNOWN	-74.3400	UNKNOWN
		-8.1960	0.0865		6.1589	11.4090	6.2994	-3.5772	9.6064	14.1133
		0.0078	0.0078		0.0078	0.0078	0.6000	0.1001	1.0000	0.0063
P	BR 77	BR 78	KR 78	KR 79	KR 80	RB 80	RB 81	SR 83	SR 84	NB 89
		-73.2360	-73.4470		-74.4550	-77.8910	-72.8000	-75.4300	-76.9500	-80.6380
		-16.6489	-5.9715	-9.6399		2.1260		-12.0542	2.8295	4.5784
		0.0602	0.0078	0.0802		0.0078	MASS	0.6000	1.0000	1.0000
D	BR 76	BR 77	KR 77	KR 78	KR 79	RB 79	RB 80	SR 82	SR 83	NB 88
		-70.6300	-73.2360	-70.3500		-74.4550	UNKNOWN	-72.8000	-76.0200	-76.9500
		-19.9339	-10.3915	-12.3740	-5.6070				1.8344	
		0.0206	0.0602	1.0000	0.0802		MASS	MASS	MASS	1.0000
T	BR 75	BR 76	KR 76	KR 77	KR 78	RB 78	RB 79	SR 81	SR 82	NB 87
		-69.1590	-70.6300	-69.4300	-70.3500	UNKNOWN	UNKNOWN	UNKNOWN	-76.0200	UNKNOWN
		-16.9079	-5.7459	-11.1553	-2.7024	-0.6774		-12.1946	0.4441	2.2520
		0.0062	0.0086	0.0602	0.0078	0.0078		0.0078	0.1001	0.0304
HE3	SE 75	SE 76	BR 76	BR 77	BR 78	BR 78	KR 78	KR 79	RB 81	RB 82
		-72.1664	-75.2570	-70.6300	-73.2360	-73.4470		-74.4550	-75.4300	-76.4190
		-4.3555	3.6701	-0.1198	7.1982	11.6182	8.7136		10.3207	13.7696
		0.0069	0.0062	0.0206	0.0602	0.0078	0.0802		0.6000	0.1001
HE4	SE 74	SE 75	BR 75	BR 76	BR 77	BR 77	KR 77	KR 78	RB 80	RB 81
		-72.2122	-72.1664	-69.1590	-70.6300	-73.2360	-70.3500		-72.8000	-75.4300
		-24.1212	-15.4988	-20.9822	-13.1953	-7.6322	-12.7499	-19.8864		
		1.0000	0.0326	1.0000	1.0000	0.0210	1.0000	1.0000	MASS	MASS
HE6	SE 72	SE 73	BR 73	BR 74	BR 75	BR 75	KR 75	KR 76	RB 78	RB 79
		-67.6200	-68.1710	-63.4700	-65.4100	-69.1590	-64.0600	-69.4300	UNKNOWN	UNKNOWN
		-20.0124	-9.2390	-12.7714	-2.8833	-1.1150	-4.1411	-15.1766		1.1309
		0.0112	0.0304	0.0324	0.0070	0.0063	0.0206	0.0602		0.0080
LI6	AS 72	AS 73	SE 73	SE 74	SE 75	SE 75	BR 75	BR 76	KR 78	KR 79
		-68.2190	-70.9210	-68.1710	-72.2122	-72.1664	-69.1590	-70.6300		-74.4550
										-13.8914
										0.1001
										Y 84
										-74.3400

36 KR 78

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36 KR 80

MASS EXCESS -77.8910 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.8504	4.8280	11.6639	16.2190	13.9903	5.1718	15.4234	20.1663	8.9133
		0.1002	0.1002	0.0306	1.0000	1.0000	0.0071	0.0181	0.2001	0.0068
GAMMA	KR 80	KR 81	RB 81	RB 82	RB 83	SR 83	SR 84	Y 86	Y 87	MO 92
		-77.6700	-75.4300	-76.4190	-79.1600	-76.9500	-80.6380	-79.2260	-83.1500	-86.8043
		-11.5074	-5.8734	2.6035	5.4065	4.9889	-6.5877	5.9150	8.1709	-3.6724
		0.0085	0.6000	0.1002	0.0306	1.0000	1.0000	0.0326	0.0181	0.0504
N	KR 79	KR 80	RB 80	RB 81	RB 82	SR 82	SR 83	Y 85	Y 86	MO 91
		-74.4550	-72.8000	-75.4300	-76.4190	-76.0200	-76.9500	-77.7890	-79.2260	-82.2900
		-9.1053	-1.2263	5.6259	10.3594	6.1704	-3.5952	9.9574	14.2264	1.5700
		0.0068	0.0069	0.1002	0.0076	0.0306	1.0000	0.0306	0.0078	0.0603
P	BR 79	BR 80	KR 80	KR 81	KR 82	RB 82	RB 83	SR 85	SR 86	NB 91
		-76.0747	-75.8822	-77.6700	-80.5894	-76.4190	-79.1600	-81.0490	-84.4991	-86.7500
		-17.5799	-6.8808	-9.2829	1.5930	-0.6656	-12.1832	3.6995	4.9294	-8.3669
		0.0085	0.0068	0.0085	0.1002	0.1002	0.0306	0.0071	0.0306	0.0125
D	BR 78	BR 79	KR 79	KR 80	KR 81	RB 81	RB 82	SR 84	SR 85	NB 90
		-73.4470	-76.0747	-74.4550	-77.6700	-75.4300	-76.4190	-80.6380	-81.0490	-82.6600
		-19.6049	-11.3225	-11.4090	-5.2500	-5.1096	-14.9862	-1.8025	2.7044	-11.8809
		0.0085	0.0085	0.0078	0.0085	0.6000	0.1002	1.0000	0.0071	0.0902
T	BR 77	BR 78	KR 78	KR 79	KR 80	RB 80	RB 81	SR 83	SR 84	NB 89
		-73.2360	-73.4470	-74.1430	-74.4550	-72.8000	-75.4300	-76.9500	-80.6380	-80.9600
		-18.2213	-7.7304	-12.0863	-3.6117	-1.9902	-12.7276	0.4261	1.8375	-7.9773
		0.0078	0.0065	0.0085	0.0068	0.0069	0.1002	1.0000	0.0075	0.0078
HE3	SE 77	SE 78	BR 78	BR 79	BR 80	KR 80	KR 81	RB 83	RB 84	ZR 89
		-74.6010	-77.0205	-73.4470	-76.0747	-75.8822	-77.6700	-79.1600	-79.7525	-84.8450
		-5.0587	2.3567	0.2092	6.2672	10.7089	9.0706	10.1917	13.7516	3.4543
		0.0092	0.0078	0.0085	0.0085	0.0068	0.0085	0.0306	1.0000	1.0000
HE4	SE 76	SE 77	BR 77	BR 78	BR 79	KR 79	KR 80	RB 82	RB 83	ZR 88
		-75.2570	-74.6010	-73.2360	-73.4470	-76.0747	-74.4550	-76.4190	-79.1600	-83.7700
		-23.2770	-15.2514	-19.0412	-11.7233	-7.3032	-10.2079	-18.9214	-8.6008	-5.1519
		0.0087	0.0081	0.0213	0.0604	0.0094	0.0803	0.0088	0.6000	0.1003
HE6	SE 74	SE 75	BR 75	BR 76	BR 77	KR 77	KR 78	RB 80	RB 81	ZR 86
		-72.2122	-72.1664	-69.1590	-70.6300	-73.2360	-70.3500	-74.1430	-72.8000	-75.4300
		-21.1244	-10.8768	-12.5240	-3.5865	-2.4284	-3.8121	-16.1076	0.5979	-12.7534
		0.0072	0.0071	0.0071	0.0093	0.0079	0.0086	0.0086	0.1002	0.0181
LI6	AS 74	AS 75	SE 75	SE 76	SE 77	BR 77	BR 78	KR 80	KR 81	Y 86
		-70.8550	-73.0312	-72.1664	-75.2570	-74.6010	-73.2360	-73.4470	-77.6700	-79.2260

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.4667	5.8596	12.2990	16.5166	15.3909	6.3344	17.7720	21.9962	7.8171
		0.0064	1.0000	0.0064	0.0069	0.0304	0.0067	0.0085	0.0066	0.0054
GAMMA	KR 82	KR 83	RB 83	RB 84	RB 85	SR 85	SR 86	Y 88	Y 89	MO 94
		-79.9847	-79.1600	-79.7525	-82.1560	-81.0490	-84.4991	-84.2730	-87.6783	-88.4065
			-4.9529	3.6351	6.0416	6.9085	-5.1871	8.5776	10.5195	-1.8758
			0.0304	1.0000	0.0064	0.0060	0.0304	0.2001	0.0085	0.0138
N	KR 81	KR 82	RB 82	RB 83	RB 84	SR 84	SR 85	Y 87	Y 88	MO 93
			-76.4190	-79.1600	-79.7525	-80.6380	-81.0490	-83.1500	-84.2730	-86.7850
		-9.9064	-2.3099	5.2422	9.5042	6.8054	-3.2976	11.0749	14.9229	-0.6749
		0.0069	0.0069	0.0064	0.0057	0.0064	0.0069	0.0058	0.0077	0.0066
P	BR 81	BR 82	KR 82	KR 83	KR 84	RB 84	RB 85	SR 87	SR 88	NB 93
		-77.9720	-77.4970	-79.9847	-82.4326	-79.7525	-82.1560	-84.8649	-87.8940	-87.2035
		-17.8431	-7.6819	-8.7663	1.2093	0.3660	-11.5481	4.8622	6.0469	-7.2703
		0.0058	0.0069	0.1001	0.0064	1.0000	0.0064	0.0068	0.0058	0.0111
D	BR 80	BR 81	KR 81	KR 82	KR 83	RB 83	RB 84	SR 86	SR 87	NB 92
		-75.8822	-77.9720	-77.6700	-79.9847	-79.1600	-79.7525	-84.4991	-84.8649	-86.4550
		-19.4646	-11.5857	-10.3594	-4.7334	-4.1890	-13.9546	-0.4019	3.8671	-8.7893
		0.0056	0.0058	0.0076	0.1001	0.0304	1.0000	0.0304	0.0068	0.0602
T	BR 79	BR 80	KR 80	KR 81	KR 82	RB 82	RB 83	SR 85	SR 86	NB 91
		-76.0747	-75.8822	-77.8910	-77.6700	-76.4190	-79.1600	-81.0490	-84.4991	-86.7500
		-19.5999	-9.6963	-12.3495	-4.4128	-3.0738	-13.1113	0.7237	2.1116	-7.6279
		0.0064	0.0054	0.0058	0.0069	0.0069	0.0065	0.0070	0.0085	0.0067
HE3	SE 79	SE 80	BR 80	BR 81	BR 82	KR 82	KR 83	RB 85	RB 86	ZR 91
		-75.9208	-77.7530	-75.8822	-77.9720	-77.4970	-79.9847	-82.1560	-82.7250	-87.8928
		-5.9936	0.9781	0.3495	6.0040	9.9078	9.5872	10.8268	14.0492	5.7561
		0.0053	0.0065	0.0056	0.0058	0.0069	0.1001	0.0065	0.0070	0.0061
HE4	SE 78	SE 79	BR 79	BR 80	BR 81	KR 81	KR 82	RB 84	RB 85	ZR 90
		-77.0205	-75.9208	-76.0747	-75.8822	-77.9720	-77.6700	-79.7525	-82.1560	-88.7702
		-22.9306	-15.5152	-17.6626	-11.6047	-7.1629	-8.8013	-7.6802	-4.1203	-14.4176
		0.0093	0.0079	0.0086	0.0086	0.0069	0.0086	0.0086	1.0000	1.0000
HE6	SE 76	SE 77	BR 77	BR 78	BR 79	KR 79	KR 80	RB 82	RB 83	ZR 88
		-75.2570	-74.6010	-73.2360	-73.4470	-76.0747	-74.4550	-77.8910	-76.4190	-83.7700
		-22.3918	-12.6894	-12.7878	-4.5214	-3.8070	-3.6718	-16.3708	0.2142	-10.4048
		0.0129	0.0111	0.0070	0.0054	0.0065	0.0057	0.0059	0.0066	0.0085
LI6	AS 76	AS 77	SE 77	SE 78	SE 79	BR 79	BR 80	KR 82	KR 83	Y 88
		-72.2860	-73.9170	-74.6010	-77.0205	-75.9208	-76.0747	-75.8822	-79.9847	-84.2730

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		10.5193	7.0568	15.3072	17.6903	19.4457	7.3049	21.7820	21.4246	7.7242
		0.0055	0.0062	0.0067	0.0083	0.0065	0.0055	0.0064	0.0060	0.0053
GAMMA	KR 83	KR 84	RB 84	RB 85	RB 86	SR 86	SR 87	Y 89	Y 90	MO 95
		-82.4326	-79.7525	-82.1560	-82.7250	-84.4991	-84.8649	-87.6783	-86.5020	-87.7089
		-7.4667	-1.6072	4.8323	9.0498	7.9242	-1.1323	10.3053	14.5295	0.3504
		0.0064	1.0000	0.0062	0.0067	0.0303	0.0065	0.0083	0.0064	0.0052
N	KR 82	KR 83	RB 83	RB 84	RB 85	SR 85	SR 86	Y 88	Y 89	MO 94
		-80.5894	-79.1600	-79.7525	-82.1560	-81.0490	-84.4991	-84.2730	-87.6783	-88.4065
		-5.7767	-0.1832	8.2948	9.1593	9.8137	-2.1239	14.7087	13.8486	-0.9277
		0.0067	0.0166	0.0055	0.0074	0.0067	0.0083	0.0075	0.0083	0.0147
P	BR 82	BR 83	KR 83	KR 84	KR 85	RB 85	RB 86	SR 88	SR 89	NB 94
		-77.4970	-79.0190	-82.4326	-81.4830	-82.1560	-82.7250	-87.8940	-86.2150	-86.3460
		-15.1486	-7.5522	-5.2422	4.2619	1.5632	-8.5399	5.8327	9.6807	-5.9171
		0.0067	0.0067	0.0064	0.0055	0.0062	0.0067	0.0056	0.0075	0.0064
D	BR 81	BR 82	KR 82	KR 83	KR 84	RB 84	RB 85	SR 87	SR 88	NB 93
		-77.9720	-77.4970	-80.5894	-82.4326	-79.7525	-82.1560	-84.8649	-87.8940	-87.2035
		-19.0524	-8.8912	-9.9757	-1.2093	-0.8433	-12.7574	3.6529	4.8376	-8.4796
		0.0056	0.0067	0.1001	0.0064	1.0000	0.0062	0.0066	0.0056	0.0109
T	BR 80	BR 81	KR 81	KR 82	KR 83	RB 83	RB 84	SR 86	SR 87	NB 92
		-75.8822	-77.9720	-77.6700	-80.5894	-79.1600	-79.7525	-84.4991	-84.8649	-86.4550
		-17.1630	-10.4486	-9.6550	-4.2831	-0.9471	-10.0587	1.8974	4.5821	-6.4543
		0.0052	0.0083	0.0067	0.0067	0.0166	0.0055	0.0083	0.0055	0.0055
HE3	SE 80	SE 81	BR 81	BR 82	BR 83	KR 83	KR 84	RB 86	RB 87	ZR 92
		-77.7530	-76.3960	-77.9720	-77.4970	-79.0190	-82.4326	-82.7250	-84.5908	-88.4617
		-6.4886	3.4150	0.7617	8.6985	10.0375	13.1113	13.8350	15.2229	5.4834
		0.0062	0.0052	0.0056	0.0067	0.0067	0.0065	0.0068	0.0083	0.0065
HE4	SE 79	SE 80	BR 80	BR 81	BR 82	KR 82	KR 83	RB 85	RB 86	ZR 91
		-75.9208	-77.7530	-75.8822	-77.9720	-77.4970	-80.5894	-82.1560	-82.7250	-87.8928
		-22.9819	-12.4910	-16.8469	-8.3723	-6.7507	-4.7606	-17.4881	-4.3345	-2.9231
		0.0078	0.0065	0.0084	0.0067	0.0069	0.0085	0.1002	1.0000	0.0074
HE6	SE 77	SE 78	BR 78	BR 79	BR 80	KR 80	KR 81	RB 83	RB 84	ZR 89
		-74.6010	-77.0205	-73.4470	-76.0747	-75.8822	-77.8910	-77.6700	-79.1600	-79.7525
		-20.1561	-13.2517	-9.7636	-5.0164	-1.3701	-3.2596	-13.6763	3.2668	-6.3948
		0.0110	0.2001	0.0052	0.0063	0.0053	0.0057	0.0068	0.0057	0.0064
LI6	AS 77	AS 78	SE 78	SE 79	SE 80	BR 80	BR 81	KR 83	KR 84	Y 89
		-73.9170	-72.7500	-77.0205	-75.9208	-77.7530	-75.8822	-77.9720	-82.4326	-87.6783

36 KR 84

MASS EXCESS -82.4326 +/- 0.0033 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.1218	7.0124	13.4283	17.1082	17.3636	7.8862	18.1578	18.8227	6.3616
		0.0068	0.0060	0.0077	0.0045	0.0047	0.0069	0.0053	0.0078	0.0041
GAMMA	KR 84	KR 85	RB 85	RB 86	RB 87	SR 87	SR 88	Y 90	Y 91	MO 96
		-81.4830	-82.1560	-82.7250	-84.5908	-84.8649	-87.8940	-86.5020	-86.3480	-88.7942
		-10.5193	-3.4626	4.7879	7.1709	8.9264	-3.2144	11.2627	10.9053	-2.7951
		0.0055	0.0054	0.0060	0.0077	0.0058	0.0047	0.0057	0.0053	0.0045
N	KR 83	KR 84	RB 84	RB 85	RB 86	SR 86	SR 87	Y 89	Y 90	MO 95
		-79.9847	-79.7525	-82.1560	-82.7250	-84.4991	-84.8649	-87.6783	-86.5020	-87.7089
		-10.7026	-3.9201	4.8973	8.4877	7.9348	-2.7060	10.5818	11.1417	-2.9375
		0.0163	0.0501	0.0068	0.0052	0.0077	0.0045	0.0078	0.0061	0.0045
P	BR 83	BR 84	KR 84	KR 85	KR 86	RB 86	RB 87	SR 89	SR 90	NB 95
		-79.0190	-77.7300	-81.4830	-83.2593	-82.7250	-84.5908	-86.2150	-85.9560	-86.7841
		-18.0715	-8.4781	-8.2948	0.8644	1.5188	-10.4188	6.4139	5.5538	-9.2225
		0.0060	0.0163	0.0055	0.0069	0.0060	0.0077	0.0069	0.0078	0.0144
D	BR 82	BR 83	KR 83	KR 84	KR 85	RB 85	RB 86	SR 88	SR 89	NB 94
		-77.4970	-79.0190	-79.9847	-81.4830	-82.1560	-82.7250	-87.8940	-86.2150	-86.3460
		-19.4105	-11.8141	-9.5042	-4.2619	-2.6987	-12.8018	1.5708	5.4188	-10.1790
		0.0060	0.0060	0.0057	0.0055	0.0054	0.0060	0.0048	0.0069	0.0057
T	BR 81	BR 82	KR 82	KR 83	KR 84	RB 84	RB 85	SR 87	SR 88	NB 93
		-77.9720	-77.4970	-80.5894	-79.9847	-79.7525	-82.1560	-84.8649	-87.8940	-87.2035
		-20.9679	-11.7065	-12.5779	-5.2090	-4.6840	-13.4562	1.3153	0.1934	-10.2509
		0.0077	0.0069	0.0060	0.0163	0.0501	0.0069	0.0047	0.0901	0.0069
HE3	SE 81	SE 82	BR 82	BR 83	BR 84	KR 84	KR 85	RB 87	RB 88	ZR 93
		-76.3960	-77.5860	-77.4970	-79.0190	-77.7300	-81.4830	-84.5908	-82.6500	-87.1130
		-7.1043	-0.3899	0.4036	5.7756	9.1116	10.0587	11.9561	14.6408	3.6044
		0.0043	0.0077	0.0060	0.0060	0.0163	0.0055	0.0078	0.0047	0.0047
HE4	SE 80	SE 81	BR 81	BR 82	BR 83	KR 83	KR 84	RB 86	RB 87	ZR 92
		-77.7530	-76.3960	-77.9720	-77.4970	-79.0190	-79.9847	-82.7250	-84.5908	-88.4617
		-23.0103	-16.0386	-16.6671	-11.0127	-7.1088	-7.4295	-17.0166	-6.1899	-2.9675
		0.0058	0.0068	0.0060	0.0062	0.0072	0.1001	0.0070	0.0068	0.0065
HE6	SE 78	SE 79	BR 79	BR 80	BR 81	KR 81	KR 82	RB 84	RB 85	ZR 90
		-77.0205	-75.9208	-76.0747	-75.8822	-77.9720	-77.6700	-80.5894	-79.7525	-82.1560
		-23.7710	-14.7596	-13.3112	-5.6321	-5.1750	-3.6177	-16.5992	-0.1307	-10.0190
		0.2000	0.0601	0.0056	0.0044	0.0078	0.0061	0.0061	0.0070	0.0053
LI6	AS 78	AS 79	SE 79	SE 80	SE 81	BR 81	BR 82	KR 84	KR 85	Y 90
		-72.7500	-73.6900	-75.9208	-77.7530	-76.3960	-77.9720	-77.4970	-81.4830	-86.5020

36 Kr 84

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.5101	8.6205	12.5266	13.9907	17.8870	5.1215	15.6631	15.8710	4.8504
		0.0098	0.0051	0.0901	0.0502	0.0081	0.0064	0.0204	0.0214	0.0048
GAMMA	KR 86	KR 87	RB 87	RB 88	RB 89	SR 89	SR 90	Y 92	Y 93	MO 98
		-80.6980	-84.5908	-82.6500	-82.3000	-86.2150	-85.9560	-84.8340	-84.2230	-88.1097
	-9.8477		-1.3167	6.3960	6.2692	11.4946	-2.6910	9.1057	8.4106	-3.7918
	0.0072		0.0081	0.0051	0.0901	0.0072	0.0081	0.0081	0.0204	0.0048
N	KR 85	KR 86	RB 86	RB 87	RB 88	SR 88	SR 89	Y 91	Y 92	MO 97
	-81.4830		-82.7250	-84.5908	-82.6500	-87.8940	-86.2150	-86.3480	-84.8340	-87.5389
	-11.8683	-6.8168		3.2856	4.2517	7.0330	-5.8235	7.2181	7.2790	-4.9423
	0.1001	0.3000		0.0099	0.2200	0.0901	0.0502	0.0127	0.0701	0.0081
P	BR 85	BR 86	KR 86	KR 87	KR 88	RB 88	RB 89	SR 91	SR 92	NB 97
	-78.6800	-75.6600		-80.6980	-79.8500	-82.6500	-82.3000	-83.6780	-82.9200	-85.6060
	-18.6652	-9.6438	-7.6232		-0.7473	3.1269	-11.3205	3.6492	2.1901	-10.7512
	0.0502	0.1001	0.0072		0.0099	0.0051	0.0901	0.0065	0.0127	0.0253
D	BR 84	BR 85	KR 85	KR 86	KR 87	RB 87	RB 88	SR 90	SR 91	NB 96
	-77.7300	-78.6800	-81.4830		-80.6980	-84.5908	-82.6500	-85.9560	-83.6780	-85.6440
	-19.1902	-12.4078	-8.4877	-3.5903		-0.5529	-11.1937	2.0942	2.6541	-11.4251
	0.0165	0.0502	0.0052	0.0072		0.0081	0.0051	0.0081	0.0065	0.0051
T	BR 83	BR 84	KR 84	KR 85	KR 86	RB 86	RB 87	SR 89	SR 90	NB 95
	-79.0190	-77.7300	-82.4326	-81.4830		-82.7250	-84.5908	-86.2150	-85.9560	-86.7841
	-22.7506		-13.1716	-6.3747	-7.5807		-15.0679	-1.8022	-3.9173	-12.5275
	0.2000	MASS	0.0502	0.1001	0.3000		0.0099	0.0502	0.1001	0.0063
HE3	SE 83	SE 84	BR 84	BR 85	BR 86	KR 86	KR 87	RB 89	RB 90	ZR 95
	-75.4400	UNKNOWN	-77.7300	-78.6800	-75.6600		-80.6980	-82.3000	-79.3660	-85.6631
	-8.0980	-2.1726	0.6239	5.1819	7.9459	10.7303		11.0544	11.5233	1.5830
	0.0072	0.2000	0.0165	0.0502	0.1001	0.0072		0.0901	0.0502	0.0053
HE4	SE 82	SE 83	BR 83	BR 84	BR 85	KR 85	KR 86	RB 88	RB 89	ZR 94
	-77.5860	-75.4400	-79.0190	-77.7300	-78.6800	-81.4830		-82.6500	-82.3000	-87.2670
	-23.1045	-16.3901	-15.5965	-10.2246	-6.8885	-5.9415	-16.0001	-4.0441	-1.3594	-12.3958
	0.0063	0.0090	0.0076	0.0076	0.0170	0.0072	0.0066	0.0091	0.0065	0.0065
HE6	SE 80	SE 81	BR 81	BR 82	BR 83	KR 83	KR 84	RB 86	RB 87	ZR 92
	-77.7530	-76.3960	-77.9720	-77.4970	-79.0190	-79.9847	-82.4326	-82.7250	-84.5908	-88.4617
	-25.5977	-16.6763	-13.6627	-6.6258	-6.9578	-3.3974	-17.1930		-1.7424	-12.5137
	0.2000	0.2000	0.0081	0.0073	0.2000	0.0165	0.0502		0.0100	0.0204
LI6	AS 80	AS 81	SE 81	SE 82	SE 83	BR 83	BR 84	KR 86	KR 87	Y 92
	-71.7500	-72.6000	-76.3960	-77.5860	-75.4400	-79.0190	-77.7300		-80.6980	-84.8340

37 RB 85

MASS EXCESS -82.1560 +/- 0.0050 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.6404	9.6321	15.8448	20.6880	17.0483	7.9471	19.8252	21.2130	5.0840
		0.0086	0.0069	0.0060	0.0078	0.0086	0.0067	0.0070	0.0061	1.0000
GAMMA	RB 85	RB 86	SR 86	SR 87	SR 88	Y 88	Y 89	ZR 91	ZR 92	TC 97
		-82.7250	-84.4991	-84.8649	-87.8940	-84.2730	-87.6783	-87.8928	-88.4617	-87.2400
	-10.4749		-1.8895	7.4076	9.5874	7.8539	-3.5297	12.6312	12.5727	-4.3674
	0.0066		0.0304	0.0069	0.0060	0.2001	0.0086	0.0064	0.0070	0.0502
N	RB 84	RB 85	SR 85	SR 86	SR 87	Y 87	Y 88	ZR 90	ZR 91	TC 96
	-79.7525		-81.0490	-84.4991	-84.8649	-83.1500	-84.2730	-88.7702	-87.8928	-85.8600
	-7.0124	0.1095		6.4159	10.0958	10.3512	0.8738	11.1454	11.8103	-0.6508
	0.0060	0.0078		0.0086	0.0059	0.0060	0.0078	0.0065	0.0087	0.0056
P	KR 84	KR 85	RB 85	RB 86	RB 87	SR 87	SR 88	Y 90	Y 91	MO 96
	-82.4326	-81.4830		-82.7250	-84.5908	-84.8649	-87.8940	-86.5020	-86.3480	-88.7942
	-15.3072	-4.7879	-8.2504		2.3830	4.1385	-8.0023	6.4748	6.1174	-7.5830
	0.0067	0.0060	0.0066		0.0086	0.0069	0.0060	0.0068	0.0065	0.0058
D	KR 83	KR 84	RB 84	RB 85	RB 86	SR 86	SR 87	Y 89	Y 90	MO 95
	-79.9847	-82.4326	-79.7525		-82.7250	-84.4991	-84.8649	-87.6783	-86.5020	-87.7089
	-16.5165	-9.0498	-10.6570	-4.2175		-1.1256	-10.1821	1.2555	5.4797	-8.6994
	0.0069	0.0067	1.0000	0.0066		0.0304	0.0069	0.0087	0.0068	0.0057
T	KR 82	KR 83	RB 83	RB 84	RB 85	SR 85	SR 86	Y 88	Y 89	MO 94
	-80.5894	-79.9847	-79.1600	-79.7525		-81.0490	-84.4991	-84.2730	-87.6783	-88.4065
	-19.5903	-9.9969	-9.8136	-1.5188	-0.6544		-11.9376	4.8951	4.0350	-10.7413
	0.0071	0.0168	0.0067	0.0060	0.0078		0.0086	0.0079	0.0087	0.0149
HE3	BR 82	BR 83	KR 83	KR 84	KR 85	RB 85	RB 86	SR 88	SR 89	NB 94
	-77.4970	-79.0190	-79.9847	-82.4326	-81.4830		-82.7250	-87.8940	-86.2150	-86.3460
	-6.6087	0.9877	3.2976	8.5399	12.8018	10.1031		14.3726	18.2206	2.6228
	0.0071	0.0071	0.0069	0.0067	0.0060	0.0066		0.0061	0.0079	0.0069
HE4	BR 81	BR 82	KR 82	KR 83	KR 84	RB 84	RB 85	SR 87	SR 88	NB 93
	-77.9720	-77.4970	-80.5894	-79.9847	-82.4326	-79.7525		-84.8649	-87.8940	-87.2035
	-23.6795	-15.8006	-14.5742	-8.9483	-4.2148	-8.4039	-18.1694	-4.6168	-0.3478	-13.0042
	0.0071	0.0073	0.0088	0.1002	0.0079	0.0307	1.0000	0.0307	0.0081	0.0603
HE6	BR 79	BR 80	KR 80	KR 81	KR 82	RB 82	RB 83	SR 85	SR 86	NB 91
	-76.0747	-75.8822	-77.8910	-77.6700	-80.5894	-76.4190	-79.1600	-81.0490	-84.4991	-86.7500
	-20.3236	-10.4200	-13.0732	-5.1365	-3.7975	-0.7237	-13.8349		1.3879	-8.3516
	0.0068	0.0058	0.0061	0.0072	0.0072	0.0070	0.0068		0.0087	0.0070
LI6	SE 79	SE 80	BR 80	BR 81	BR 82	KR 82	KR 83	RB 85	RB 86	ZR 91
	-75.9208	-77.7530	-75.8822	-77.9720	-77.4970	-80.5894	-79.9847		-82.7250	-87.8928

37 RB 85

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37 RB 87

MASS EXCESS -84.5908 +/- 0.0031 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.1306	10.5922	14.7601	16.3152	16.8425	4.1819	16.6106	17.5835	2.7362
		0.0901	0.0068	0.0077	0.0059	0.0051	0.0077	0.0068	0.0047	0.0059
GAMMA	RB 87	RB 88	SR 88	SR 89	SR 90	Y 90	Y 91	ZR 93	ZR 94	TC 99
		-82.6500	-87.8940	-86.2150	-85.9560	-86.5020	-86.3480	-87.1130	-87.2670	-87.3270
		-9.9372	-0.5084	8.3677	8.5027	9.9474	-3.7355	9.8879	9.3581	-6.1422
		0.0077	0.0045	0.0068	0.0077	0.0055	0.0051	0.0047	0.0068	0.2000
N	RB 86	RB 87	SR 87	SR 88	SR 89	Y 89	Y 90	ZR 92	ZR 93	TC 98
		-82.7250	-84.8649	-87.8940	-86.2150	-87.6783	-86.5020	-88.4617	-87.1130	-86.5200
		-8.6205	-3.1103	3.9061	5.3702	9.2666	-3.4990	7.0426	7.2505	-3.7701
		0.0051	0.0095	0.0901	0.0501	0.0077	0.0059	0.0203	0.0213	0.0041
P	KR 86	KR 87	RB 87	RB 88	RB 89	SR 89	SR 90	Y 92	Y 93	MO 98
		-83.2593	-80.6980	-82.6500	-82.3000	-86.2150	-85.9560	-84.8340	-84.2230	-88.1097
		-16.2437	-6.3960	-7.7127	-0.1268	5.0986	-9.0870	2.7097	2.0146	-10.1878
		0.0068	0.0051	0.0077	0.0901	0.0068	0.0077	0.0077	0.0203	0.0041
D	KR 85	KR 86	RB 86	RB 87	RB 88	SR 88	SR 89	Y 91	Y 92	MO 97
		-81.4830	-83.2593	-82.7250	-82.6500	-87.8940	-86.2150	-86.3480	-84.8340	-87.5389
		-17.1081	-9.9863	-10.0958	-3.6798	0.2555	-9.2220	1.0497	1.7146	-10.7465
		0.0045	0.0068	0.0059	0.0077	0.0045	0.0068	0.0052	0.0077	0.0040
T	KR 84	KR 85	RB 85	RB 86	RB 87	SR 87	SR 88	Y 90	Y 91	MO 96
		-82.4326	-81.4830	-82.1560	-82.7250	-84.8649	-87.8940	-86.5020	-86.3480	-88.7942
		-21.7921	-12.7707	-10.7501	-3.1269	-3.8742	-14.4474	0.5223	-0.9368	-13.8781
		0.0501	0.1000	0.0068	0.0051	0.0095	0.0901	0.0060	0.0124	0.0252
HE3	BR 84	BR 85	KR 85	KR 86	KR 87	RB 87	RB 88	SR 90	SR 91	NB 96
		-77.7300	-78.6800	-81.4830	-83.2593	-80.6980	-82.6500	-85.9560	-83.6780	-85.6440
		-7.9965	-1.2141	2.7060	7.6034	11.1937	10.6408	13.2879	13.8478	-0.2315
		0.0163	0.0501	0.0045	0.0068	0.0051	0.0077	0.0077	0.0060	0.0044
HE4	BR 83	BR 84	KR 84	KR 85	KR 86	RB 86	RB 87	SR 89	SR 90	NB 95
		-79.0190	-77.7300	-82.4326	-81.4830	-83.2593	-82.7250	-86.2150	-85.9560	-86.7841
		-24.2170	-16.6206	-14.3106	-9.0684	-4.8064	-7.5052	-17.6082	-3.2357	0.6123
		0.0071	0.0071	0.0069	0.0067	0.0060	0.0066	0.0071	0.0061	0.0079
HE6	BR 81	BR 82	KR 82	KR 83	KR 84	RB 84	RB 85	SR 87	SR 88	NB 93
		-77.9720	-77.4970	-80.5894	-79.9847	-82.4326	-79.7525	-82.1560	-84.8649	-87.8940
		-22.2832	-13.0218	-13.8932	-6.5243	-5.9993	-1.3153	-14.7715	-1.1219	-11.5662
		0.0077	0.0068	0.0060	0.0163	0.0501	0.0047	0.0069	0.0901	0.0068
LI6	SE 81	SE 82	BR 82	BR 83	BR 84	KR 84	KR 85	RB 87	RB 88	ZR 93
		-76.3960	-77.5860	-77.4970	-79.0190	-77.7300	-82.4326	-81.4830	-82.6500	-87.1130

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37 RB 87

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		8.4824	4.4400	11.7239	17.4620	13.9433	5.5568	16.1104	21.0193	5.4330
		0.0302	0.0322	0.0174	0.2000	0.2000	1.0000	0.0117	0.0601	0.0062
GAMMA	SR 84	SR 85	Y 85	Y 86	Y 87	ZR 87	ZR 88	NB 90	NB 91	RU 96
		-81.0490	-77.7890	-79.2260	-83.1500	-79.6500	-83.7700	-82.6600	-86.7500	-86.0710
		-11.7594	-7.0804	2.2155	5.4665	4.2519	-6.6347	6.3390	8.8579	-4.6914
		1.0000	0.1001	0.0322	0.0174	1.0000	0.2000	0.0901	0.0117	0.0372
N	SR 83	SR 84	Y 84	Y 85	Y 86	ZR 86	ZR 87	NB 89	NB 90	RU 95
		-76.9500	-74.3400	-77.7890	-79.2260	-78.0300	-79.6500	-80.9600	-82.6600	-84.0180
		-8.7670	-0.1030	6.2579	11.5221	6.2304	-2.3522	11.0064	15.7505	-1.8770
		1.0000	0.0057	0.0302	0.0061	0.0174	0.2000	0.0063	0.0055	0.0213
P	RB 83	RB 84	SR 84	SR 85	SR 86	Y 86	Y 87	ZR 89	ZR 90	TC 95
		-79.1600	-79.7525	-81.0490	-84.4991	-79.2260	-83.1500	-84.8450	-88.7702	-86.0500
		-17.3549	-6.5425	-9.5349	2.2250	-1.0536	-12.1232	4.0845	5.9784	-9.6279
		0.0302	1.0000	1.0000	0.0302	0.0322	0.0174	1.0000	0.0063	0.0079
D	RB 82	RB 83	SR 83	SR 84	SR 85	Y 85	Y 86	ZR 88	ZR 89	TC 94
		-76.4190	-79.1600	-76.9500	-81.0490	-77.7890	-79.2260	-83.7700	-84.8450	-84.1460
		-20.1579	-11.0975	-12.2790	-5.5020	-6.3166	-15.3742	-1.8495	3.0894	-11.9889
		0.1001	0.0302	1.0000	1.0000	0.1001	0.0322	0.2000	1.0000	0.0194
T	RB 81	RB 82	SR 82	SR 83	SR 84	Y 84	Y 85	ZR 87	ZR 88	TC 93
		-75.4300	-76.4190	-76.0200	-76.9500	-74.3400	-77.7890	-79.6500	-83.7700	-83.5990
		-17.8993	-6.9085	-11.8613	-3.2734	-0.8669	-12.0956	1.6691	3.6110	-8.7843
		0.1001	0.0060	0.0302	1.0000	0.0057	0.0302	0.2000	0.0080	0.0135
HE3	KR 81	KR 82	RB 82	RB 83	RB 84	SR 84	SR 85	Y 87	Y 88	MO 93
		-77.6700	-80.5894	-76.4190	-79.1600	-79.7525	-81.0490	-83.1500	-84.2730	-86.7850
		-5.1717	2.6787	-0.3438	6.4922	11.0472	8.8186	10.2517	14.9946	3.7416
		0.0071	0.1001	0.1001	0.0302	1.0000	1.0000	0.0174	0.2000	0.0049
HE4	KR 80	KR 81	RB 81	RB 82	RB 83	SR 83	SR 84	Y 86	Y 87	MO 92
		-77.8910	-77.6700	-75.4300	-76.4190	-79.1600	-76.9500	-79.2260	-83.1500	-86.8043
		-24.0932	-15.7098	-12.3003	-7.8562	-7.8562	-19.7914	-9.8078	-5.5399	-18.0632
		0.0074	0.0081	MASS	0.6000	0.1001	MASS	1.0000	0.1002	0.0325
HE6	KR 78	KR 79	RB 79	RB 80	RB 81	SR 81	SR 82	Y 84	Y 85	MO 90
		-74.1430	-74.4550	UNKNOWN	-72.8000	-75.4300	UNKNOWN	-76.0200	-74.3400	-77.7890
		-21.2794	-10.5803	-12.9824	-3.6995	-2.1064	-4.3651	-15.8826	1.2299	-12.0664
		0.0071	0.0050	0.0071	0.0071	0.1001	0.1001	0.0302	0.0303	0.0117
LI6	BR 78	BR 79	KR 79	KR 80	KR 81	RB 81	RB 82	SR 84	SR 85	NB 90
		-73.4470	-76.0747	-74.4550	-77.8910	-77.6700	-75.4300	-76.4190	-81.0490	-82.6600

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.4372	5.9399	12.9098	18.1292	15.2772	6.6959	16.0443	17.6117	3.7224
		0.0058	0.2001	0.0085	0.0066	0.0069	0.0062	0.0111	0.0068	0.0063
GAMMA	SR 86	SR 87	Y 87	Y 88	Y 89	ZR 89	ZR 90	NB 92	NB 93	RU 98
		-84.8649	-83.1500	-84.2730	-87.6783	-84.8450	-88.7702	-86.4550	-87.2035	-88.2215
		-11.5215	-6.0555	3.7154	6.6524	6.1308	-5.3008	8.2679	8.7918	-6.5305
		0.0304	0.0177	0.2001	0.0085	1.0000	0.0069	0.0602	0.0111	1.4100
N	SR 85	SR 86	Y 86	Y 87	Y 88	ZR 88	ZR 89	NB 91	NB 92	RU 97
		-81.0490	-79.2260	-83.1500	-84.2730	-83.7700	-84.8450	-86.7500	-86.4550	-86.0400
		-9.6321	-0.9916	6.2127	11.0559	7.4163	-1.6850	10.1931	11.5809	-4.5481
		0.0069	0.0085	0.0058	0.0077	0.0085	0.0066	0.0069	0.0059	1.0000
P	RB 85	RB 86	SR 86	SR 87	SR 88	Y 88	Y 89	ZR 91	ZR 92	TC 97
		-82.1560	-82.7250	-84.8649	-87.8940	-84.2730	-87.6783	-87.8928	-88.4617	-87.2400
		-17.8825	-7.4076	-9.2970	2.1798	0.4463	-10.9373	5.2236	5.1651	-11.7750
		0.0064	0.0069	0.0304	0.0058	0.2001	0.0085	0.0063	0.0069	0.0502
D	RB 84	RB 85	SR 85	SR 86	SR 87	Y 87	Y 88	ZR 90	ZR 91	TC 96
		-79.7525	-82.1560	-81.0490	-84.8649	-83.1500	-84.2730	-88.7702	-87.8928	-85.8600
		-20.2890	-11.6251	-11.5221	-5.2641	-5.2917	-13.8743	-0.5156	4.2285	-13.3990
		1.0000	0.0064	0.0061	0.0304	0.0177	0.2001	0.0070	0.0063	0.0215
T	RB 83	RB 84	SR 84	SR 85	SR 86	Y 86	Y 87	ZR 89	ZR 90	TC 95
		-79.1600	-79.7525	-80.6380	-81.0490	-79.2260	-83.1500	-84.8450	-88.7702	-86.0500
		-19.4457	-8.9264	-12.3889	-4.1385	-1.7555	-12.1408	2.3363	1.9789	-11.7215
		0.0065	0.0058	0.0064	0.0069	0.0085	0.0058	0.0067	0.0063	0.0057
HE3	KR 83	KR 84	RB 84	RB 85	RB 86	SR 86	SR 87	Y 89	Y 90	MO 95
		-79.9847	-82.4326	-79.7525	-82.1560	-82.7250	-84.8649	-87.6783	-86.5020	-87.7089
		-6.3344	1.1323	-0.4749	5.9646	10.1821	9.0565	11.4376	15.6618	1.4827
		0.0067	0.0065	1.0000	0.0065	0.0069	0.0304	0.0086	0.0067	0.0055
HE4	KR 82	KR 83	RB 83	RB 84	RB 85	SR 85	SR 86	Y 88	Y 89	MO 94
		-80.5894	-79.9847	-79.1600	-79.7525	-82.1560	-81.0490	-84.2730	-87.6783	-88.4065
		-24.2063	-16.3559	-19.3783	-12.5424	-7.9873	-10.2160	-19.0345	-8.7829	-15.2930
		0.0087	0.1002	0.1002	0.0306	1.0000	1.0000	0.0073	0.0181	0.0070
HE6	KR 80	KR 81	RB 81	RB 82	RB 83	SR 83	SR 84	Y 86	Y 87	MO 92
		-77.8910	-77.6700	-75.4300	-76.4190	-79.1600	-76.9500	-80.6380	-79.2260	-83.1500
		-22.7053	-12.5441	-13.6285	-4.8622	-3.6528	-4.4962	-16.4102	1.1847	-12.1325
		0.0060	0.0070	0.1001	0.0068	0.0066	1.0000	0.0065	0.0060	0.0111
LI6	BR 80	BR 81	KR 81	KR 82	KR 83	RB 83	RB 84	SR 86	SR 87	NB 92
		-75.8822	-77.9720	-77.6700	-80.5894	-79.9847	-79.1600	-79.7525	-84.8649	-86.4550

38 SR 88

MASS EXCESS -87.8940 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.3924	7.0733	11.7439	13.4039	14.9301	2.9925	12.5404	13.7974	1.3247
GAMMA	SR 88	0.0092	0.0075	0.0072	0.0092	0.0077	0.0069	0.0153	0.0068	0.0077
		SR 89	Y 89	Y 90	Y 91	ZR 91	ZR 92	NB 94	NB 95	RU 100
		-86.2150	-87.6783	-86.5020	-86.3480	-87.8928	-88.4617	-86.3460	-86.7841	-89.2187
		-11.1005	-4.4035	4.8488	5.4865	7.7361	-5.6479	5.3265	5.2879	-8.3464
		0.0068	0.0092	0.0075	0.0072	0.0072	0.0077	0.0077	0.0153	0.0072
N	SR 87	SR 88	Y 88	Y 89	Y 90	ZR 90	ZR 91	NB 93	NB 94	RU 99
		-84.8649	-84.2730	-87.6783	-86.5020	-88.7702	-87.8928	-87.2035	-86.3460	-87.6190
		-10.5922	-4.4615	4.1679	5.7230	6.2503	-6.4102	6.0184	6.9913	-7.8560
		0.0068	0.0902	0.0092	0.0078	0.0072	0.0092	0.0086	0.0070	0.0078
P	RB 87	RB 88	SR 88	SR 89	SR 90	Y 90	Y 91	ZR 93	ZR 94	TC 99
		-84.5908	-82.6500	-86.2150	-85.9560	-86.5020	-86.3480	-87.1130	-87.2670	-87.3270
		-18.3049	-8.3677	-8.8760	0.1350	1.5797	-12.1032	1.5202	0.9904	-14.5099
		0.0092	0.0068	0.0068	0.0092	0.0075	0.0072	0.0069	0.0086	0.2001
D	RB 86	RB 87	SR 87	SR 88	SR 89	Y 89	Y 90	ZR 92	ZR 93	TC 98
		-82.7250	-84.5908	-84.8649	-86.2150	-87.6783	-86.5020	-88.4617	-87.1130	-86.5200
		-20.6879	-12.0475	-11.0559	-4.8431	-3.6396	-12.7409	-0.8627	0.5251	-15.6039
		0.0078	0.0092	0.0077	0.0069	0.0092	0.0075	0.0078	0.0069	1.0000
T	RB 85	RB 86	SR 86	SR 87	SR 88	Y 88	Y 89	ZR 91	ZR 92	TC 97
		-82.1560	-82.7250	-84.4991	-84.8649	-84.2730	-87.6783	-87.8928	-88.4617	-87.2400
		-21.3423	-11.4946	-12.8113	-5.0986	-5.2254	-14.1856	-2.3889	-3.0840	-15.2864
		0.0085	0.0072	0.0092	0.0068	0.0902	0.0092	0.0093	0.0209	0.0066
HE3	KR 85	KR 86	RB 86	RB 87	RB 88	SR 88	SR 89	Y 91	Y 92	MO 97
		-81.4830	-83.2593	-82.7250	-84.5908	-82.6500	-86.2150	-86.3480	-84.8340	-87.5389
		-7.8861	-0.7643	-0.8738	5.5422	9.2220	9.4775	10.2717	10.9366	-1.5245
		0.0069	0.0085	0.0078	0.0092	0.0068	0.0069	0.0073	0.0093	0.0065
HE4	KR 84	KR 85	RB 85	RB 86	RB 87	SR 87	SR 88	Y 90	Y 91	MO 96
		-82.4326	-81.4830	-82.1560	-82.7250	-84.5908	-84.8649	-86.5020	-86.3480	-88.7942
		-24.9028	-17.4361	-19.0432	-12.6038	-8.3862	-9.5119	-18.5683	-7.1308	-2.9066
		0.0086	0.0084	1.0000	0.0084	0.0088	0.0309	0.0087	0.0101	0.0086
HE6	KR 82	KR 83	RB 83	RB 84	RB 85	SR 85	SR 86	Y 88	Y 89	MO 94
		-80.5894	-79.9847	-79.1600	-79.7525	-82.1560	-81.0490	-84.4991	-84.2730	-87.6783
		-24.4854	-14.8920	-14.7087	-6.4139	-5.5494	-4.8951	-16.8326	-0.8601	-15.6364
		0.0079	0.0171	0.0075	0.0069	0.0086	0.0079	0.0093	0.0093	0.0153
LI6	BR 82	BR 83	KR 83	KR 84	KR 85	RB 85	RB 86	SR 88	SR 89	NB 94
		-77.4970	-79.0190	-79.9847	-82.4326	-81.4830	-82.1560	-82.7250	-86.2150	-86.3460

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38 SR 88

39 Y 89

MASS EXCESS -87.6783 +/- 0.0045 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.8951	8.3809	13.3504	15.7334	13.7080	1.9500	14.1190	16.0232	-0.2853
			0.0060	0.0060	0.0066	0.0056	0.0110	0.0065	0.0055	0.0053	0.0186
GAMMA	Y 89	Y 90	ZR 90	ZR 90	ZR 91	ZR 92	NB 92	NB 93	MO 95	MO 96	RH 101
			-86.5020	-88.7702	-87.8928	-88.4617	-86.4550	-87.2035	-87.7089	-88.7942	-87.3930
			-11.4767	-3.6157	6.1564	7.0930	5.9316	-6.8700	6.7452	6.8665	-10.1707
			0.0083	0.0067	0.0060	0.0066	0.0602	0.0110	0.0054	0.0055	0.0215
N	Y 88	Y 89	ZR 89	ZR 90	ZR 91	NB 91	NB 92	MO 94	MO 95	MO 95	RH 100
			-84.2730	-84.8450	-88.7702	-87.8928	-86.7500	-86.4550	-88.4065	-87.7089	-85.5790
			-7.0733	-0.6808	4.6706	6.3307	7.8569	-4.0808	5.4671	6.7241	-5.7486
			0.0075	0.0083	0.0060	0.0083	0.0066	0.0056	0.0147	0.0056	0.0066
P	SR 88	SR 89	Y 89	Y 90	Y 91	ZR 91	ZR 92	NB 94	NB 95	NB 95	RU 100
			-87.8940	-86.2150	-86.5020	-86.3480	-87.8928	-88.4617	-86.3460	-86.7841	-89.2187
			-15.9493	-4.8488	-9.2522	0.6377	2.8873	-10.4967	0.4777	0.4391	-13.1952
			0.0056	0.0075	0.0083	0.0060	0.0060	0.0066	0.0066	0.0147	0.0060
D	SR 87	SR 88	Y 88	Y 89	Y 90	ZR 90	ZR 91	NB 93	NB 94	NB 94	RU 99
			-84.8649	-87.8940	-84.2730	-86.5020	-88.7702	-87.8928	-87.2035	-86.3460	-87.6190
			-18.1291	-9.6919	-12.1893	-5.2193	-2.8519	-11.4333	-2.0848	-0.5174	-14.4067
			0.0066	0.0056	0.2001	0.0083	0.0067	0.0060	0.0110	0.0066	0.0061
T	SR 86	SR 87	Y 87	Y 88	Y 89	ZR 89	ZR 90	NB 92	NB 93	NB 93	RU 98
			-84.4991	-84.8649	-83.1500	-84.2730	-84.8450	-88.7702	-86.4550	-87.2035	-88.2215
			-19.8846	-9.9474	-10.4557	-1.5797	-1.4447	-13.6829	-0.0595	-0.5893	-16.0896
			0.0083	0.0055	0.0056	0.0075	0.0083	0.0060	0.0057	0.0076	0.2001
HE3	RB 86	RB 87	SR 87	SR 88	SR 89	SR 89	Y 89	Y 90	ZR 92	ZR 93	TC 98
			-82.7250	-84.5908	-84.8649	-87.8940	-86.2150	-86.5020	-88.4617	-87.1130	-86.5200
			-7.9470	0.6934	1.6850	7.8978	12.7409	9.1013	11.8782	13.2660	-2.8630
			0.0067	0.0083	0.0066	0.0056	0.0075	0.0083	0.0067	0.0057	1.0000
HE4	RB 85	RB 86	SR 86	SR 87	SR 88	SR 88	Y 88	Y 89	ZR 91	ZR 92	TC 97
			-82.1560	-82.7250	-84.4991	-84.8649	-87.8940	-84.2730	-87.8928	-88.4617	-87.2400
			-26.1165	-17.4526	-17.3495	-11.0916	-5.8274	-11.1192	-19.7017	-6.3431	-1.5990
			1.0000	0.0074	0.0071	0.0306	0.0077	0.0180	0.2001	0.0079	0.0073
HE6	RB 83	RB 84	SR 84	SR 85	SR 86	SR 86	Y 86	Y 87	ZR 89	ZR 90	TC 95
			-79.1600	-79.7525	-80.6380	-81.0490	-84.4991	-79.2260	-83.1500	-84.8450	-88.7702
			-21.7820	-11.2627	-14.7252	-6.4748	-4.0917	-2.3363	-14.4770	-0.3574	-14.0578
			0.0064	0.0057	0.0063	0.0068	0.0084	0.0067	0.0057	0.0062	0.0055
LI6	KR 83	KR 84	RB 84	RB 85	RB 86	RB 86	SR 86	SR 87	Y 89	Y 90	MO 95
			-79.9847	-82.4326	-79.7525	-82.1560	-82.7250	-84.4991	-84.8649	-86.5020	-87.7089

39 Y 89

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40 ZR 90

MASS EXCESS -88.7702 +/- 0.0039 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.1940	5.2688	10.8207	13.3833	12.9461	2.0611	11.1782	13.3771	-0.8472
		0.0062	0.0801	0.0107	0.0061	0.0136	0.0048	0.0502	1.0000	0.0107
GAMMA	ZR 90	ZR 91	NB 91	NB 92	NB 93	MO 93	MO 94	TC 96	TC 97	PD 102
		-87.8928	-86.7500	-86.4550	-87.2035	-86.7850	-88.4065	-85.8600	-87.2400	-87.9230
		-11.9966	-6.8926	3.0443	4.5633	4.8940	-7.6319	3.2968	3.9257	-11.4376
		0.0063	0.0117	0.0601	0.0107	0.0051	0.0136	0.0214	0.0502	0.0233
N	ZR 89	ZR 90	NB 90	NB 91	NB 92	MO 92	MO 93	TC 95	TC 96	PD 101
		-84.8450	-82.6600	-86.7500	-86.4550	-86.8043	-86.7850	-86.0500	-85.8600	-85.4040
		-8.3809	-1.4857	4.9695	7.3525	5.3272	-6.4309	5.7381	7.6423	-8.6662
		0.0060	0.0056	0.0062	0.0051	0.0107	0.0061	0.0050	0.0048	0.0184
P	Y 89	Y 90	ZR 90	ZR 91	ZR 92	NB 92	NB 93	MO 95	MO 96	RH 101
		-87.6783	-86.5020	-87.8928	-88.4617	-86.4550	-87.2035	-87.7089	-88.7942	-87.3930
		-17.6331	-6.1564	-9.7721	0.9366	-0.2248	-13.0264	0.5888	0.7101	-16.3271
		0.0080	0.0060	0.0063	0.0062	0.0601	0.0107	0.0049	0.0050	0.0214
D	Y 88	Y 89	ZR 89	ZR 90	ZR 91	NB 91	NB 92	MO 94	MO 95	RH 100
		-84.2730	-87.6783	-84.8450	-87.8928	-86.7500	-86.4550	-88.4065	-87.7089	-85.5790
		-20.5701	-11.3757	-12.6612	-5.7392	-6.1288	-14.5454	-2.8467	-0.4063	-18.2011
		0.2000	0.0080	1.0000	0.0063	0.0117	0.0601	0.0136	0.0049	0.0204
T	Y 87	Y 88	ZR 88	ZR 89	ZR 90	NB 90	NB 91	MO 93	MO 94	RH 99
		-83.1500	-84.2730	-83.7700	-84.8450	-82.6600	-86.7500	-86.7850	-88.4065	-85.5190
		-18.8366	-7.7361	-12.1395	-2.8873	-2.2496	-13.3840	-2.4096	-2.4482	-16.0825
		0.0051	0.0072	0.0080	0.0060	0.0056	0.0062	0.0062	0.0146	0.0056
HE3	SR 87	SR 88	Y 88	Y 89	Y 90	ZR 90	ZR 91	NB 93	NB 94	RU 99
		-84.8649	-87.8940	-84.2730	-87.6783	-86.5020	-87.8928	-87.2035	-86.3460	-87.6190
		-6.6958	1.7414	-0.7560	6.2140	11.4333	8.5814	9.3485	10.9159	-2.9734
		0.0062	0.0051	0.2000	0.0080	0.0060	0.0064	0.0108	0.0062	0.0057
HE4	SR 86	SR 87	Y 87	Y 88	Y 89	ZR 89	ZR 90	NB 92	NB 93	RU 98
		-84.4991	-84.8649	-83.1500	-84.2730	-87.6783	-84.8450	-86.4550	-87.2035	-88.2215
		-25.7304	-17.2480	-21.2904	-14.0065	-8.2684	-11.7871	-9.6200	-4.7111	-20.2974
		0.0067	0.0305	0.0325	0.0179	0.2001	0.2001	0.0124	0.0603	0.0075
HE6	SR 84	SR 85	Y 85	Y 86	Y 87	ZR 87	ZR 88	NB 90	NB 91	RU 96
		-80.6380	-81.0490	-77.7890	-79.2260	-83.1500	-79.6500	-83.7700	-82.6600	-86.0710
		-23.1061	-12.6312	-14.5206	-5.2236	-3.0437	-4.7773	-16.1608	-0.0585	-16.9986
		0.0059	0.0064	0.0303	0.0063	0.0052	0.2000	0.0081	0.0064	0.0502
LI6	RB 84	RB 85	SR 85	SR 86	SR 87	Y 87	Y 88	ZR 90	ZR 91	TC 96
		-79.7525	-82.1560	-81.0490	-84.4991	-84.8649	-83.1500	-84.2730	-87.8928	-85.8600

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40 ZR 90

40 ZR 91

MASS EXCESS -87.8928 +/- 0.0048 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING		8.6403	5.8512	12.4466	13.4031	15.4450	2.2409	13.4356	13.5345	-0.4328
		0.0058	0.0111	0.0067	0.0148	0.0055	0.0057	1.0000	0.2001	0.0206
GAMMA	ZR 91	ZR 92	NB 92	NB 93	NB 94	MO 94	MO 95	TC 97	TC 98	PD 103
		-88.4617	-86.4550	-87.2035	-86.3460	-88.4065	-87.7089	-87.2400	-86.5200	-87.4600
		-7.1940	-1.9253	3.6267	6.1892	5.7521	-5.1330	3.9842	6.1831	-8.0412
		0.0062	0.0602	0.0111	0.0067	0.0139	0.0055	0.0502	1.0000	0.0111
N	ZR 90	ZR 91	NB 91	NB 92	NB 93	MO 93	MO 94	TC 96	TC 97	PD 102
		-88.7702	-86.7500	-86.4550	-87.2035	-86.7850	-88.4065	-85.8600	-87.2400	-87.9230
		-8.6798	-0.7624	6.4158	6.8812	6.9530	-6.4110	7.7008	7.2644	-8.4078
		0.0062	0.0085	0.0058	0.0077	0.0067	0.0148	0.0055	0.0056	0.0093
P	Y 90	Y 91	ZR 91	ZR 92	ZR 93	NB 93	NB 94	MO 96	MO 97	RH 102
		-86.5020	-86.3480	-88.4617	-87.1130	-87.2035	-86.3460	-88.7942	-87.5389	-86.7740
		-13.3504	-6.4553	-4.9695	2.3829	0.3576	-11.4005	0.7686	2.6728	-13.6357
		0.0066	0.0063	0.0062	0.0058	0.0111	0.0067	0.0058	0.0055	0.0186
D	Y 89	Y 90	ZR 90	ZR 91	ZR 92	NB 92	NB 93	MO 95	MO 96	RH 101
		-87.6783	-86.5020	-88.7702	-88.4617	-86.4550	-87.2035	-87.7089	-88.7942	-87.3930
		-18.5697	-7.0930	-10.7088	-0.9366	-1.1614	-13.9630	-0.3478	-0.2265	-17.2637
		0.0085	0.0066	0.0069	0.0062	0.0602	0.0111	0.0056	0.0058	0.0215
T	Y 88	Y 89	ZR 89	ZR 90	ZR 91	NB 91	NB 92	MO 94	MO 95	RH 100
		-84.2730	-87.6783	-84.8450	-88.7702	-86.7500	-86.4550	-88.4065	-87.7089	-85.5790
		-14.9301	-8.5377	-7.8568	-3.1862	-1.5262	-11.9377	-2.3897	-1.1327	-13.6054
		0.0077	0.0085	0.0066	0.0063	0.0085	0.0058	0.0148	0.0058	0.0068
HE3	SR 88	SR 89	Y 89	Y 90	Y 91	ZR 91	ZR 92	NB 94	NB 95	RU 100
		-87.8940	-86.2150	-87.6783	-86.5020	-86.3480	-88.4617	-86.3460	-86.7841	-89.2187
		-5.4527	5.6479	1.2444	10.4967	11.1344	13.3840	10.9744	10.9358	-2.6985
		0.0058	0.0077	0.0085	0.0066	0.0063	0.0062	0.0068	0.0148	0.0063
HE4	SR 87	SR 88	Y 88	Y 89	Y 90	ZR 90	ZR 91	NB 93	NB 94	RU 99
		-84.8649	-87.8940	-84.2730	-87.6783	-86.5020	-88.7702	-87.2035	-86.3460	-87.6190
		-24.4420	-12.9205	-18.9760	-9.2051	-6.2681	-6.7897	-18.2212	-4.6526	-4.1287
		0.0306	0.0079	0.0181	0.2001	0.0094	1.0000	0.0080	0.0603	0.0118
HE6	SR 85	SR 86	Y 86	Y 87	Y 88	ZR 88	ZR 89	NB 91	NB 92	RU 97
		-81.0490	-84.4991	-79.2260	-83.1500	-84.2730	-83.7700	-84.8450	-86.7500	-86.0400
		-19.8252	-11.1848	-10.1931	-3.9804	0.8628	-2.7769	-11.8781	1.3878	-14.7412
		0.0070	0.0086	0.0069	0.0059	0.0078	0.0086	0.0067	0.0060	1.0000
LI6	RB 85	RB 86	SR 86	SR 87	SR 88	Y 88	Y 89	ZR 91	ZR 92	TC 97
		-82.1560	-82.7250	-84.4991	-84.8649	-87.8940	-84.2730	-87.6783	-88.4617	-87.2400

40 Zr 91

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40 ZR 92

MASS EXCESS -88.4617 +/- 0.0033 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.7227	6.0308	11.0202	13.2723	14.1785	2.7572	12.1467	13.7726	0.9493
		0.0068	0.0057	0.0144	0.0045	0.0045	0.0042	0.2000	0.0061	0.0115
GAMMA	ZR 92	ZR 93	NB 93	NB 94	NB 95	MO 95	MO 96	TC 98	TC 99	PD 104
		-87.1130	-87.2035	-86.3460	-86.7841	-87.7089	-88.7942	-86.5200	-87.3270	-89.4110
		-8.6403	-2.7892	3.8063	4.7628	6.8047	-6.3995	4.7953	4.8942	-9.0731
		0.0058	0.0105	0.0057	0.0144	0.0043	0.0045	1.0000	0.2000	0.0203
N	ZR 91	ZR 92	NB 92	NB 93	NB 94	MO 94	MO 95	TC 97	TC 98	PD 103
		-87.8928	-86.4550	-87.2035	-86.3460	-88.4065	-87.7089	-87.2400	-86.5200	-87.4600
		-9.4027	-2.8453	4.4982	6.4663	5.5266	-6.5418	5.8766	7.2663	-7.7363
		0.0077	0.0203	0.0068	0.0047	0.0144	0.0045	0.0044	0.0044	0.0056
P	Y 91	Y 92	ZR 92	ZR 93	ZR 94	NB 94	NB 95	MO 97	MO 98	RH 103
		-86.3480	-84.8340	-87.1130	-87.2670	-86.3460	-86.7841	-87.5389	-88.1097	-88.0144
		-15.0956	-7.1782	-6.4158	0.4653	0.5372	-12.8269	1.2850	0.8486	-14.8236
		0.0052	0.0077	0.0058	0.0069	0.0057	0.0144	0.0043	0.0044	0.0087
D	Y 90	Y 91	ZR 91	ZR 92	ZR 93	NB 93	NB 94	MO 96	MO 97	RH 102
		-86.5020	-86.3480	-87.8928	-87.1130	-87.2035	-86.3460	-88.7942	-87.5389	-86.7740
		-15.7333	-8.8382	-7.3525	-2.3829	-2.0253	-13.7834	-1.6143	0.2899	-16.0187
		0.0056	0.0052	0.0051	0.0058	0.0105	0.0058	0.0046	0.0043	0.0183
T	Y 89	Y 90	ZR 90	ZR 91	ZR 92	NB 92	NB 93	MO 95	MO 96	RH 101
		-87.6783	-86.5020	-88.7702	-87.8928	-86.4550	-87.2035	-87.7089	-88.7942	-87.3930
		-17.1780	-9.3656	-9.6020	-3.9091	-3.6091	-13.8553	-2.5205	-2.8417	-15.4398
		0.0077	0.0060	0.0052	0.0077	0.0203	0.0069	0.0047	0.0252	0.0045
HE3	SR 89	SR 90	Y 90	Y 91	Y 92	ZR 92	ZR 93	NB 95	NB 96	RU 101
		-86.2150	-85.9560	-86.5020	-86.3480	-84.8340	-87.1130	-86.7841	-85.6440	-87.9532
		-2.9924	3.4000	4.0808	8.7515	10.4115	11.9377	9.5480	10.8049	-1.6677
		0.0069	0.0077	0.0056	0.0052	0.0078	0.0058	0.0144	0.0047	0.0058
HE4	SR 88	SR 89	Y 89	Y 90	Y 91	ZR 91	ZR 92	NB 94	NB 95	RU 100
		-87.8940	-86.2150	-87.6783	-86.5020	-86.3480	-87.8928	-86.3460	-86.7841	-89.2187
		-21.5608	-13.1236	-15.6209	-8.6510	-3.4317	-6.2836	-14.8650	-5.5165	-3.9491
		0.0071	0.0061	0.2001	0.0087	0.0069	0.0072	0.0065	0.0113	0.0071
HE6	SR 86	SR 87	Y 87	Y 88	Y 89	ZR 89	ZR 90	NB 92	NB 93	RU 98
		-84.4991	-84.8649	-83.1500	-84.2730	-87.6783	-84.8450	-88.7702	-86.4550	-87.2035
		-19.8251	-9.8879	-10.3962	-1.5202	-1.3851	0.0595	-13.6234	-0.5298	-16.0301
		0.0078	0.0047	0.0048	0.0069	0.0078	0.0057	0.0053	0.0070	0.2000
LI6	RB 86	RB 87	SR 87	SR 88	SR 89	Y 89	Y 90	ZR 92	ZR 93	TC 98
		-82.7250	-84.5908	-84.8649	-87.8940	-86.2150	-87.6783	-86.5020	-87.1130	-86.5200

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40 Zr 92

40 ZR 94

MASS EXCESS -87.2670 +/- 0.0034 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.4675	6.8061	11.5129	13.2889	15.2032	3.2675	12.6714	13.9643	2.6400
		0.0060	0.0046	0.0252	0.0078	0.0043	0.0044	0.0601	0.0253	0.0069
GAMMA	ZR 94	ZR 95	NB 95	NB 96	NB 97	MO 97	MO 98	TC 100	TC 101	PD 106
		-85.6631	-86.7841	-85.6440	-85.6060	-87.5389	-88.1097	-85.8500	-86.3240	-89.9070
		-8.2254	-1.7035	4.5816	5.2555	8.3871	-5.3748	6.0770	5.4189	-6.9074
		0.0069	0.0144	0.0046	0.0252	0.0042	0.0044	0.0061	0.0601	0.0125
N	ZR 93	ZR 94	NB 94	NB 95	NB 96	MO 96	MO 97	TC 99	TC 100	PD 105
		-87.1130	-86.3460	-86.7841	-85.6440	-88.7942	-87.5389	-87.3270	-85.8500	-88.4310
		-10.3330	-4.2145	4.2430	5.8238	6.0194	-6.5252	5.4894	6.5366	-6.6900
		0.0213	0.2000	0.0060	0.0058	0.0252	0.0078	0.0097	0.0050	0.0125
P	Y 93	Y 94	ZR 94	ZR 95	ZR 96	NB 96	NB 97	MO 99	MO 100	RH 105
		-84.2230	-82.2700	-85.6631	-85.4298	-85.6440	-85.6060	-85.9570	-86.1853	-87.8660
		-15.5689	-8.1085	-6.0009	0.2101	1.3125	-12.3342	1.7952	0.4614	-13.4579
		0.0203	0.0213	0.0069	0.0060	0.0046	0.0252	0.0045	0.0097	0.0069
D	Y 92	Y 93	ZR 93	ZR 94	ZR 95	NB 95	NB 96	MO 98	MO 99	RH 104
		-84.8340	-84.2230	-87.1130	-85.6631	-86.7841	-85.6440	-88.1097	-85.9570	-86.9450
		-15.8689	-9.3115	-6.4663	-1.9680	-0.9396	-13.0081	-0.5896	0.8001	-14.2025
		0.0078	0.0203	0.0047	0.0069	0.0144	0.0046	0.0045	0.0045	0.0056
T	Y 91	Y 92	ZR 92	ZR 93	ZR 94	NB 94	NB 95	MO 97	MO 98	RH 103
		-86.3480	-84.8340	-88.4617	-87.1130	-86.3460	-86.7841	-87.5389	-88.1097	-88.0144
		-18.5203	-11.2069	-10.0753	-4.8394	-4.9784	-14.1105	-2.5039	-3.7810	-14.9243
		0.0125	0.0701	0.0203	0.0213	0.2000	0.0060	0.0079	0.2000	0.0193
HE3	SR 91	SR 92	Y 92	Y 93	Y 94	ZR 94	ZR 95	NB 97	NB 98	RU 103
		-83.6780	-82.9200	-84.8340	-84.2230	-82.2700	-85.6631	-85.6060	-83.5100	-87.2740
		-3.7357	2.0577	3.9452	8.2782	9.4812	12.3526	10.0407	10.8216	-0.5938
		0.0061	0.0125	0.0078	0.0203	0.0213	0.0069	0.0253	0.0079	0.0056
HE4	SR 90	SR 91	Y 91	Y 92	Y 93	ZR 93	ZR 94	NB 96	NB 97	RU 102
		-85.9560	-83.6780	-86.3480	-84.8340	-84.2230	-87.1130	-85.6440	-85.6060	-89.0979
		-16.9712	-10.5788	-9.8979	-5.2273	-3.5673	-2.0411	-13.9787	-4.4308	-3.1738
		0.0080	0.0088	0.0069	0.0066	0.0088	0.0071	0.0062	0.0150	0.0071
HE6	SR 88	SR 89	Y 89	Y 90	Y 91	ZR 91	ZR 92	NB 94	NB 95	RU 100
		-87.8940	-86.2150	-87.6783	-86.5020	-86.3480	-87.8928	-88.4617	-86.3460	-86.7841
		-18.7054	-10.9840	-7.8514	-2.2635	-2.7274	-0.0761	-14.0967	-0.7850	-15.5054
		0.0901	0.0501	0.0079	0.0061	0.0125	0.0079	0.0203	0.0062	0.0601
LI6	RB 88	RB 89	SR 89	SR 90	SR 91	Y 91	Y 92	ZR 94	ZR 95	TC 100
		-82.6500	-82.3000	-86.2150	-85.9560	-83.6780	-86.3480	-84.8340	-85.6631	-85.8500

40 Zr 94

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40 ZR 96

MASS EXCESS -85.4298 +/- 0.0047 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12		
OUTGOING												
GAMMA	ZR 96	5.5756	7.4652	-11.2161	12.3801	15.4585	3.1803	13.2586	14.3975	4.0942		
		0.0225	0.0084	0.2001	1.0000	0.0102	0.0059	1.0000	0.1001	0.0093		
		ZR 97	NB 97	NB 98	NB 99	MO 99	MO 100	TC 102	TC 103	PD 108		
		-82.9340	-85.6060	-83.5100	-82.8600	-85.9570	-86.1853	-84.6000	-84.9200	-89.5240		
N	ZR 95	ZR 96	-7.8381	-0.5682	5.2407	4.9587	9.5398	-5.1195	6.9112	6.0061	-5.1333	
			0.0068	0.0254	0.0084	0.2001	0.0054	0.0102	0.0255	1.0000	0.0064	
			ZR 95	NB 96	NB 97	NB 98	MO 98	MO 99	TC 101	TC 102	PD 107	
			-85.6631	-85.6440	-85.6060	-83.5100	-88.1097	-85.9570	-86.3240	-84.6000	-88.3679	
P	Y 95	Y 96	-11.2588	-6.1173	3.3511	4.2412	5.7226	-7.4340	4.8736	5.7885	-5.8608	
			1.0000	1.0000	0.0225	1.0000	0.2001	1.0000	0.0196	1.4100	0.0403	
			Y 95	Y 96	ZR 96	ZR 97	ZR 98	NB 98	NB 99	MO 101	MO 102	RH 107
			-81.4600	-78.5300	-82.9340	-82.0100	-83.5100	-82.8600	-83.5040	-83.6000	-86.8580	
D	Y 94	Y 95	-16.2957	-9.0343	-5.6136	-0.6818	1.9716	-12.6310	1.7080	-0.1544	-12.1987	
			0.2001	1.0000	0.0068	0.0225	0.0084	0.2001	0.0060	0.0196	0.0120	
			Y 94	Y 95	ZR 95	ZR 96	ZR 97	NB 97	NB 98	MO 100	MO 101	RH 106
			-82.2700	-81.4600	-85.6631	-82.9340	-85.6060	-83.5100	-86.1853	-83.5040	-86.3670	
T	Y 93	Y 94	-16.1567	-10.0383	-5.8238	-1.5807	0.1956	-12.3490	-0.3343	0.7129	-12.5137	
			0.0215	0.2001	0.0058	0.0068	0.0254	0.0084	0.0102	0.0060	0.0129	
			Y 93	Y 94	ZR 94	ZR 95	ZR 96	NB 96	NB 97	MO 99	MO 100	RH 105
			-84.2230	-82.2700	-87.2670	-85.6631	-85.6440	-85.6060	-85.9570	-86.1853	-87.8660	
HE3	SR 93	SR 94	-20.9411	-13.4697	-10.8021	-5.7652	-6.8812	-15.0024	-3.4127	-5.3638	-14.3661	
			0.1001	0.2201	0.2001	1.0000	1.0000	0.0225	1.0000	1.0000	0.0167	
			SR 93	SR 94	Y 94	Y 95	Y 96	ZR 96	ZR 97	NB 99	NB 100	RU 105
			-79.4200	-78.8200	-82.2700	-81.4600	-78.5300	-82.9340	-82.8600	-80.0900	-85.9950	
HE4	SR 92	SR 93	-4.9345	-0.3631	3.6574	7.5514	8.5554	12.7399	9.7439	9.9128	0.2354	
			0.0702	0.1001	0.0215	0.2001	1.0000	0.0068	0.2001	1.0000	0.0067	
			SR 92	SR 93	Y 93	Y 94	Y 95	ZR 95	ZR 96	NB 98	NB 99	RU 104
			-82.9200	-79.4200	-84.2230	-82.2700	-81.4600	-85.6631	-83.5100	-82.8600	-88.0899	
HE6	SR 90	SR 91	-17.0720	-11.2786	-9.3910	-5.0581	-3.8551	-0.9837	-13.3362	-3.2956	-2.5147	
			0.0079	0.0135	0.0093	0.0209	0.0219	0.0086	0.0071	0.0258	0.0094	
			SR 90	SR 91	Y 91	Y 92	Y 93	ZR 93	ZR 94	NB 96	NB 97	RU 102
			-85.9560	-83.6780	-86.3480	-84.8340	-84.2230	-87.1130	-87.2670	-85.6440	-85.6060	-89.0979
LI6	RB 90	RB 91	-20.1522	-13.2668	-8.5512	-3.4623	-5.1482	-0.3639	-14.8234	-1.6769	-14.9182	
			0.1001	1.0000	0.0129	0.0702	0.1001	0.0215	0.2001	0.0226	1.0000	
			RB 90	RB 91	SR 91	SR 92	SR 93	Y 93	Y 94	ZR 96	ZR 97	TC 102
			-79.3660	-78.1800	-83.6780	-82.9200	-79.4200	-84.2230	-82.2700	-82.9340	-84.6000	

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40 ZR 96

41 NB 93

MASS EXCESS -87.2035 +/- 0.0047 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			7.2139	8.4920	13.6413	16.5407	13.5878	2.4613	14.5039	16.9225	-0.0735
			0.0148	0.0054	0.0056	0.0053	0.0502	1.0000	0.0063	0.0068	1.0000
GAMMA	NB 93	NB 94	MO 94	MO 95	MO 96	TC 96	TC 97	RU 99	RU 100	AG 105	
		-86.3460	-88.4065	-87.7089	-88.7942	-85.8600	-87.2400	-87.6190	-89.2187	-87.1300	
		-8.8199		-1.2009	6.2675	7.3839	5.7064	-6.9902	7.0350	7.2514	-10.1339
		0.0110		0.0138	0.0054	0.0056	0.0215	0.0502	0.0063	0.0063	0.0157
N	NB 92	NB 93	MO 93	MO 94	MO 95	TC 95	TC 96	RU 98	RU 99	AG 104	
		-86.4550	-86.7850	-88.4065	-87.7089	-86.0500	-85.8600	-88.2215	-87.6190	-85.1410	
		-6.0308	0.6920		4.9894	7.2416	8.1478	-3.2735	6.1159	7.7418	-5.0815
		0.0057	0.0076		0.0148	0.0056	0.0056	0.0053	0.2001	0.0070	0.0120
P	ZR 92	ZR 93	NB 93	NB 94	NB 95	MO 95	MO 96	TC 98	TC 99	PD 104	
		-88.4617	-87.1130	-86.3460	-86.7841	-87.7089	-88.7942	-86.5200	-87.3270	-89.4110	
		-12.4466	-3.8063	-6.5954		0.9565	2.9984	-10.2058	0.9890	1.0879	-12.8794
		0.0067	0.0057	0.0111		0.0148	0.0054	0.0056	1.0000	0.2001	0.0205
D	ZR 91	ZR 92	NB 92	NB 93	NB 94	MO 94	MO 95	TC 97	TC 98	PD 103	
		-87.8928	-88.4617	-86.4550	-86.3460	-88.4065	-87.7089	-87.2400	-86.5200	-87.4600	
		-13.3832	-6.1892	-8.1145	-2.5625		-0.4371	-11.3222	-2.2050	-0.0061	-14.2304
		0.0061	0.0067	0.0602	0.0111		0.0138	0.0054	0.0502	1.0000	0.0111
T	ZR 90	ZR 91	NB 91	NB 92	NB 93	MO 93	MO 94	TC 96	TC 97	PD 102	
		-88.7702	-87.8928	-86.7500	-86.4550	-86.7850	-88.4065	-85.8600	-87.2400	-87.9230	
		-15.6328	-7.7154	-6.9530	-0.5372	-0.0719		-13.3641	0.7478	0.3114	-15.3608
		0.0062	0.0084	0.0067	0.0057	0.0076		0.0148	0.0054	0.0055	0.0093
HE3	Y 90	Y 91	ZR 91	ZR 92	ZR 93	NB 93	NB 94	MO 96	MO 97	RH 102	
		-86.5020	-86.3480	-87.8928	-88.4617	-87.1130	-86.3460	-88.7942	-87.5389	-86.7740	
		-1.9499	4.9452	6.4309	11.4005	13.7834	11.7581		12.1691	14.0733	-2.2352
		0.0065	0.0062	0.0061	0.0067	0.0058	0.0111		0.0057	0.0054	0.0186
HE4	Y 89	Y 90	ZR 90	ZR 91	ZR 92	NB 92	NB 93	MO 95	MO 96	RH 101	
		-87.6783	-86.5020	-88.7702	-87.8928	-88.4617	-86.4550	-87.7089	-88.7942	-87.3930	
		-21.6517	-12.4573	-13.7427	-6.8208	-1.0815	-7.2104	-15.6269	-3.9283	-1.4879	-19.2827
		0.2001	0.0093	1.0000	0.0079	0.0073	0.0126	0.0603	0.0144	0.0068	0.0209
HE6	Y 87	Y 88	ZR 88	ZR 89	ZR 90	NB 90	NB 91	MO 93	MO 94	RH 99	
		-83.1500	-84.2730	-83.7700	-84.8450	-88.7702	-82.6600	-86.7500	-86.7850	-88.4065	-85.5190
		-16.4270	-5.3265	-9.7299	-0.4777	0.1601	2.4096	-10.9743		-0.0386	-13.6729
		0.0058	0.0077	0.0085	0.0066	0.0063	0.0062	0.0068		0.0148	0.0063
LI6	SR 87	SR 88	Y 88	Y 89	Y 90	ZR 90	ZR 91	NB 93	NB 94	RU 99	
		-84.8649	-87.8940	-84.2730	-87.6783	-86.5020	-88.7702	-87.8928	-86.3460	-87.6190	

41 NB 93

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42 MO 92

MASS EXCESS -86.8043 +/- 0.0032 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
GAMMA MO 92			8.0521 0.0134 MO 93	4.0837 0.0193 TC 93	10.4776 0.0077 TC 94	14.1957 0.0212 TC 95	12.1450 0.0371 RU 95	1.6915 0.0059 RU 96	11.3041 0.3000 RH 98	13.6220 0.0203 RH 99	-2.8643 1.0000 CD 104
			-86.7850	-83.5990	-84.1460	-86.0500	-84.0180	-86.0710	-84.0200	-85.5190	-83.9400
N MO 91			-12.5857 0.0501 MO 92	-8.8368 0.1400 TC 92	1.8592 0.0193 TC 93	4.2202 0.0077 TC 94	MASS RU 94	-8.4330 0.0371 RU 95	1.7627 1.4100 RH 97	4.0516 0.3000 RH 98	MASS CD 103
			-82.2900	-78.7500	-83.5990	-84.1460	UNKNOWN	-84.0180	-82.5500	-84.0200	UNKNOWN
P NB 91			-7.3433 0.0601 NB 92	0.4332 0.0105 MO 92	5.8276 0.0134 MO 93	9.2632 0.0042 MO 94	4.9840 0.0077 TC 94	-5.6185 0.0212 TC 95	6.0351 1.4100 RU 97	9.0355 0.0053 RU 98	-9.2233 0.1001 AG 103
			-86.7500	-86.4550	-86.7850	-88.4065	-84.1460	-86.0500	-86.0400	-88.2215	-84.8700
D NB 90			-17.2802 0.0115 NB 91	-5.1188 0.0601 NB 91	-10.3612 0.0501 MO 91	1.7947 0.0134 MO 92	-1.4099 0.0193 TC 93	-13.3695 0.0077 TC 94	0.2192 0.0060 RU 96	1.0071 1.4100 RU 97	-17.3202 1.0000 AG 102
			-82.6600	-86.7500	-82.2900	-86.7850	-83.5990	-84.1460	-86.0710	-86.0400	-82.6200
T NB 89			-20.7942 0.0901 NB 89	-11.0228 0.0115 NB 90	-14.2923 0.0134 MO 90	-6.3283 0.0501 MO 91	-8.0729 0.1400 TC 92	-15.7305 0.0193 TC 93	-3.6478 0.0372 RU 95	-0.7759 0.0060 RU 96	MASS AG 101
			-80.9600	-82.6600	-80.1730	-82.2900	-78.7500	-83.5990	-84.0180	-86.0710	UNKNOWN
HE3 ZR 89			-16.8906 0.0059 ZR 89	-4.8940 0.0051 ZR 90	-11.7866 0.0115 NB 90	-1.8497 0.0601 NB 91	-0.3307 0.0105 NB 92	-12.5259 0.0134 MO 92	-1.5972 0.0213 TC 95	-0.9683 0.0501 TC 96	-16.3316 0.0232 PD 101
			-84.8450	-88.7702	-82.6600	-86.7500	-86.4550	-86.7850	-86.0500	-85.8600	-85.4040
HE4 ZR 88			-5.4590 1.0000 ZR 88	3.6874 0.0059 ZR 89	-0.9801 0.0901 NB 89	6.5669 0.0115 NB 90	12.4709 0.0601 NB 91	7.9923 0.0501 MO 91	9.0054 0.0078 MO 92	11.7283 0.0213 TC 94	-4.2491 1.0000 TC 95
			-83.7700	-84.8450	-80.9600	-82.6600	-86.7500	-82.2900	-84.1460	-86.0500	-84.9800
HE6 ZR 86			-26.3725 1.0000 ZR 86	-16.6811 0.2001 ZR 87	MASS NB 87	-14.6966 1.4100 NB 88	-8.4925 0.0901 NB 89	MASS MO 89	-21.8047 0.0140 MO 90	-11.5641 0.1401 TC 92	-5.8962 0.0197 TC 93
			-78.0300	-79.6500	UNKNOWN	-76.5700	-80.9600	UNKNOWN	-80.1730	-78.7500	-83.5990
LI6 Y 86			-21.6667 0.0173 Y 86	-9.6713 0.2000 Y 87	-13.9537 0.2000 ZR 87	-3.9868 1.0000 ZR 88	-1.0977 0.0060 ZR 89	-5.0014 0.0901 NB 89	-15.8080 0.0115 NB 90	0.7996 0.0135 MO 92	-16.8727 0.3000 MO 93
			-79.2260	-83.1500	-79.6500	-83.7700	-84.8450	-80.9600	-82.6600	-86.7850	-84.0200

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			7.3738	4.9325	10.5894	13.7835	12.5648	2.2398	11.2609	13.8938	-1.2784
			0.0040	0.0212	0.0501	1.0000	1.4100	0.0049	0.0212	0.0182	0.0047
GAMMA	MO 94	MO 95	TC 95	TC 96	TC 97	RU 97	RU 98	RH 100	RH 101	CD 106	
		-87.7089	-86.0500	-85.8600	-87.2400	-86.0400	-88.2215	-85.5790	-87.3930	-87.1281	
		-9.6929	-5.0429	2.7080	4.3320	4.5244	-8.0132	3.1295	4.0084	-12.1479	
		0.0133	0.0075	0.0212	0.0501	0.0057	1.4100	0.0202	0.0212	1.4100	
N	MO 93	MO 94	TC 94	TC 95	TC 96	RU 96	RU 97	RH 99	RH 100	CD 105	
		-86.7850	-84.1460	-86.0500	-85.8600	-86.0710	-86.0400	-85.5190	-85.5790	-84.3300	
		-8.4920	-1.2780	5.1493	8.0487	5.0958	-6.0307	6.0119	8.4305	-8.5655	
		0.0054	0.0143	0.0040	0.0037	0.0501	1.0000	0.0050	0.0056	1.0000	
P	NB 93	NB 94	MO 94	MO 95	MO 96	TC 96	TC 97	RU 99	RU 100	AG 105	
		-87.2035	-86.3460	-87.7089	-88.7942	-85.8600	-87.2400	-87.6190	-89.2187	-87.1300	
		-15.0874	-6.2675	-7.4684	1.1164	-0.5611	-13.2577	0.7675	0.9839	-16.4014	
		0.0104	0.0054	0.0133	0.0040	0.0212	0.0501	0.0050	0.0050	0.0152	
D	NB 92	NB 93	MO 94	MO 95	MO 96	TC 96	TC 97	RU 99	RU 100	AG 105	
		-86.4550	-87.2035	-86.7850	-87.7089	-86.0500	-85.8600	-88.2215	-87.6190	-85.1410	
		-16.6064	-8.8300	-9.2632	-3.4355	-4.2791	-14.8817	-3.2280	-0.2276	-18.4864	
		0.0601	0.0104	0.0042	0.0133	0.0075	0.0212	1.4100	0.0050	0.1000	
T	NB 91	NB 92	MO 92	MO 93	MO 94	TC 94	TC 95	RU 97	RU 98	AG 103	
		-86.7500	-86.4550	-86.8043	-86.7850	-84.1460	-86.0500	-86.0400	-88.2215	-84.8700	
		-15.4450	-6.8047	-9.5938	-2.9984	-2.0419	-13.2042	-2.0094	-1.9105	-15.8778	
		0.0055	0.0043	0.0104	0.0054	0.0143	0.0041	1.0000	0.2000	0.0202	
HE3	ZR 91	ZR 92	NB 92	NB 93	NB 94	MO 94	MO 95	TC 97	TC 98	PD 103	
		-87.8928	-88.4617	-86.4550	-87.2035	-86.3460	-87.7089	-87.2400	-86.5200	-87.4600	
		-2.0610	5.1330	3.2077	8.7597	11.3222	10.8851	9.1172	11.3161	-2.9082	
		0.0048	0.0055	0.0601	0.0104	0.0054	0.0133	0.0501	1.0000	0.0104	
HE4	ZR 90	ZR 91	NB 91	NB 92	NB 93	MO 93	MO 94	TC 96	TC 97	PD 102	
		-88.7702	-87.8928	-86.7500	-86.4550	-87.2035	-86.7850	-85.8600	-87.2400	-87.9230	
		-22.2347	-13.0883	-17.7557	-10.2088	-4.3047	-8.7834	-16.7756	-7.7703	-5.0474	-21.0247
		1.0000	0.0069	0.0901	0.0120	0.0602	0.0502	0.0058	0.0086	0.0216	1.0000
HE6	ZR 88	ZR 89	NB 89	NB 90	NB 91	MO 91	MO 92	TC 94	TC 95	PD 100	
		-83.7700	-84.8450	-80.9600	-82.6600	-86.7500	-82.2900	-86.8043	-84.1460	-86.0500	-84.9800
		-18.2219	-6.7452	-10.3609	-0.5888	0.3479	-0.8136	-13.6151	0.1213	-16.9159	
		0.0076	0.0054	0.0058	0.0049	0.0056	0.0601	0.0104	0.0043	0.0212	
LI6	Y 88	Y 89	ZR 89	ZR 90	ZR 91	NB 91	NB 92	MO 94	MO 95	RH 100	
		-84.2730	-87.6783	-84.8450	-88.7702	-87.8928	-86.7500	-86.4550	-87.7089	-85.5790	

42 MO 95

MASS EXCESS -87.7089 +/- 0.0030 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		9.1567	5.4401	12.6670	13.7611	15.4439	2.3349	13.7725	13.9724	-0.7229
		0.0039	0.0501	1.0000	0.2000	0.0051	0.0050	0.0183	0.0086	0.0067
GAMMA	MO 95	MO 96	TC 96	TC 97	TC 98	RU 98	RU 99	RH 101	RH 102	CD 107
		-88.7942	-85.8600	-87.2400	-86.5200	-88.2215	-87.6190	-87.3930	-86.7740	-86.9860
		-7.3738	-2.4413	3.2156	6.4096	5.1910	-5.1341	3.8871	6.5200	-8.6522
		0.0040	0.0212	0.0501	1.0000	1.4100	0.0051	0.0212	0.0183	0.0049
N	MO 94	MO 95	TC 95	TC 96	TC 97	RU 97	RU 98	RH 100	RH 101	CD 106
		-88.4065	-86.0500	-85.8600	-87.2400	-86.0400	-88.2215	-85.5790	-87.3930	-87.1281
		-8.6519	-0.1424	6.9322	7.4910	7.1734	-6.0531	8.3092	7.8626	-8.0549
		0.0143	0.0043	0.0039	0.0040	1.0000	0.2000	0.0058	0.0045	0.0095
P	NB 94	NB 95	MO 95	MO 96	MO 97	TC 97	TC 98	RU 100	RU 101	AG 106
		-86.3460	-86.7841	-88.7942	-87.5389	-87.2400	-86.5200	-89.2187	-87.9532	-86.9430
		-13.6413	-6.4274	-5.1493	2.8993	-0.0535	-11.1801	0.8626	3.2812	-13.7148
		0.0056	0.0143	0.0040	0.0039	0.0501	1.0000	0.0051	0.0058	1.0000
D	NB 93	NB 94	MO 94	MO 95	MO 96	TC 96	TC 97	RU 99	RU 100	AG 105
		-87.2035	-86.3460	-88.4065	-88.7942	-85.8600	-87.2400	-87.6190	-89.2187	-87.1300
		-16.2038	-7.3839	-8.5849	-1.1164	-1.6775	-14.3741	-0.3489	-0.1325	-17.5178
		0.0104	0.0056	0.0133	0.0040	0.0212	0.0501	0.0052	0.0051	0.0153
T	NB 92	NB 93	MO 93	MO 94	MO 95	TC 95	TC 96	RU 98	RU 99	AG 104
		-86.4550	-87.2035	-86.7850	-88.4065	-86.0500	-85.8600	-88.2215	-87.6190	-85.1410
		-14.1785	-7.4558	-8.1477	-3.1583	-0.9062	-11.4213	-2.0318	-0.4059	-13.2292
		0.0045	0.0067	0.0056	0.0143	0.0043	0.0039	0.2000	0.0059	0.0114
HE3	ZR 92	ZR 93	NB 93	NB 94	NB 95	MO 95	MO 96	TC 98	TC 99	PD 104
		-88.4617	-87.1130	-87.2035	-86.3460	-86.7841	-88.7942	-86.5200	-87.3270	-89.4110
		-2.2408	6.3995	3.6103	10.2058	11.1623	13.2042	11.1948	11.2937	-2.6736
		0.0057	0.0045	0.0104	0.0056	0.0143	0.0041	1.0000	0.2000	0.0202
HE4	ZR 91	ZR 92	NB 92	NB 93	NB 94	MO 94	MO 95	TC 97	TC 98	PD 103
		-87.8928	-88.4617	-86.4550	-87.2035	-86.3460	-88.4065	-87.2400	-86.5200	-87.4600
		-20.4621	-8.4655	-15.3581	-5.4212	-3.9022	-3.5715	-16.0974	-5.1687	-4.5398
		0.0071	0.0063	0.0121	0.0602	0.0112	0.0059	0.0139	0.0216	0.0503
HE6	ZR 89	ZR 90	NB 90	NB 91	NB 92	MO 92	MO 93	TC 95	TC 96	PD 101
		-84.8450	-88.7702	-82.6600	-86.7500	-86.4550	-86.8043	-86.7850	-86.0500	-85.8600
		-14.1190	-7.2239	-5.7381	-0.7686	1.6144	-0.4110	-12.1691	1.9042	-14.4043
		0.0055	0.0051	0.0050	0.0058	0.0046	0.0105	0.0057	0.0042	0.0183
LI6	Y 89	Y 90	ZR 90	ZR 91	ZR 92	NB 92	NB 93	MO 95	MO 96	RH 101
		-87.6783	-86.5020	-88.7702	-87.8928	-88.4617	-86.4550	-87.2035	-88.7942	-87.3930

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42 Mo 95

42 MO 96

MASS EXCESS -88.7942 +/- 0.0025 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.8161	5.7348	10.8617	13.4827	13.7561	2.8493	12.0682	14.1275	0.4539
		0.0037	1.0000	0.2000	0.0056	0.0047	0.0054	0.0085	0.0053	0.0049
GAMMA	MO 96	MO 97	TC 97	TC 98	TC 99	RU 99	RU 100	RH 102	RH 103	CD 108
		-87.5389	-87.2400	-86.5200	-87.3270	-87.6190	-89.2187	-86.7740	-88.0144	-89.2481
		-9.1567	-3.7167	3.5103	4.6043	6.2872	-6.8219	4.6158	4.8157	-9.8796
		0.0039	0.0501	1.0000	0.2000	0.0048	0.0047	0.0182	0.0085	0.0065
N	MO 95	MO 96	TC 96	TC 97	TC 98	RU 98	RU 99	RH 101	RH 102	CD 107
		-87.7089	-85.8600	-87.2400	-86.5200	-88.2215	-87.6190	-87.3930	-86.7740	-86.9860
		-9.2991	-2.3677	4.5916	6.9765	5.3682	-6.3314	5.9584	7.9220	-7.6804
		0.0040	0.0251	0.0037	0.0037	0.2000	0.0056	0.0041	0.0052	0.0049
P	NB 95	NB 96	MO 96	MO 97	MO 98	TC 98	TC 99	RU 101	RU 102	AG 107
		-86.7841	-85.6440	-87.5389	-88.1097	-86.5200	-87.3270	-87.9532	-89.0979	-88.4028
		-15.5841	-7.0746	-6.9322	0.5587	0.2412	-12.9854	1.3770	0.9304	-14.9871
		0.0142	0.0040	0.0039	0.0037	1.0000	0.2000	0.0055	0.0041	0.0093
D	NB 94	NB 95	MO 95	MO 96	MO 97	TC 97	TC 98	RU 100	RU 101	AG 106
		-86.3460	-86.7841	-87.7089	-87.5389	-87.2400	-86.5200	-89.2187	-87.9532	-86.9430
		-16.5406	-9.3267	-8.0487	-2.8993	-2.9528	-14.0794	-2.0367	0.3819	-16.6141
		0.0053	0.0142	0.0037	0.0039	0.0501	1.0000	0.0048	0.0055	1.0000
T	NB 93	NB 94	MO 94	MO 95	MO 96	TC 96	TC 97	RU 99	RU 100	AG 105
		-87.2035	-86.3460	-88.4065	-87.7089	-85.8600	-87.2400	-87.6190	-89.2187	-87.1300
		-16.6125	-8.3871	-10.0905	-3.8055	-3.1316	-13.7619	-2.3101	-2.9682	-15.2945
		0.0065	0.0042	0.0142	0.0040	0.0251	0.0037	0.0057	0.0601	0.0123
HE3	ZR 93	ZR 94	NB 94	NB 95	NB 96	MO 96	MO 97	TC 99	TC 100	PD 105
		-87.1130	-87.2670	-86.3460	-86.7841	-85.6440	-87.5389	-87.3270	-85.8500	-88.4310
		-2.7572	3.9655	3.2735	8.2630	10.5151	11.4213	9.3895	11.0154	-1.8079
		0.0042	0.0065	0.0053	0.0142	0.0040	0.0039	0.2000	0.0057	0.0113
HE4	ZR 92	ZR 93	NB 93	NB 94	NB 95	MO 95	MO 96	TC 98	TC 99	PD 104
		-88.4617	-87.1130	-87.2035	-86.3460	-86.7841	-87.7089	-86.5200	-87.3270	-89.4110
		-17.6222	-10.4282	-12.3534	-6.8015	-4.2389	-4.6761	-15.5611	-6.4440	-4.2451
		0.0061	0.0067	0.0602	0.0111	0.0067	0.0138	0.0054	0.0502	1.0000
HE6	ZR 90	ZR 91	NB 91	NB 92	NB 93	MO 93	MO 94	TC 96	TC 97	PD 102
		-88.7702	-87.8928	-86.7500	-86.4550	-87.2035	-86.7850	-88.4065	-85.8600	-87.2400
		-16.3806	-8.4632	-7.7008	-1.2850	-0.8196	-0.7478	-14.1118	-0.4364	-16.1086
		0.0048	0.0075	0.0055	0.0043	0.0066	0.0054	0.0143	0.0040	0.0085
LI6	Y 90	Y 91	ZR 91	ZR 92	ZR 93	NB 93	NB 94	MO 96	MO 97	RH 102
		-86.5020	-86.3480	-87.8928	-88.4617	-87.1130	-87.2035	-86.3460	-87.5389	-86.7740

42 Mo 96

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42 MO 97

MASS EXCESS -87.5389 +/- 0.0027 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING		8.6422	6.2701	12.9240	13.2611	16.6111	2.8391	14.5639	14.3134	1.0101
		0.0038	0.2000	0.0057	0.0601	0.0055	0.0041	0.0054	0.0067	0.0084
GAMMA	MO 97	MO 98	TC 98	TC 99	TC 100	RU 100	RU 101	RH 103	RH 104	CD 109
		-88.1097	-86.5200	-87.3270	-85.8500	-89.2187	-87.9532	-88.0144	-86.9450	-88.5490
		-6.8161	-1.0814	4.0456	6.6666	6.9400	-3.9669	5.2521	7.3114	-6.3622
		0.0037	1.0000	0.2000	0.0057	0.0048	0.0055	0.0085	0.0054	0.0050
N	MO 96	MO 97	TC 97	TC 98	TC 99	RU 99	RU 100	RH 102	RH 103	CD 108
		-88.7942	-87.2400	-86.5200	-87.3270	-87.6190	-89.2187	-86.7740	-88.0144	-89.2481
		-9.1839	-1.1504	6.4177	6.0791	7.4304	-6.5531	8.3584	7.3534	-7.2209
		0.0251	0.0075	0.0038	0.0094	0.0057	0.0601	0.0053	0.0192	0.0084
P	NB 96	NB 97	MO 97	MO 98	MO 99	TC 99	TC 100	RU 102	RU 103	AG 108
		-85.6440	-85.6060	-88.1097	-85.9570	-87.3270	-85.8500	-89.0979	-87.2740	-87.6070
		-13.8907	-6.9594	-4.5916	2.3848	0.7765	-10.9231	1.3668	3.3304	-12.2720
		0.0041	0.0251	0.0037	0.0038	0.2000	0.0057	0.0043	0.0053	0.0050
D	NB 95	NB 96	MO 96	MO 97	MO 98	TC 98	TC 99	RU 101	RU 102	AG 107
		-86.7841	-85.6440	-88.7942	-88.1097	-86.5200	-87.3270	-87.9532	-89.0979	-88.4028
		-16.1428	-7.6333	-7.4910	-0.5587	-0.3175	-13.5441	0.8183	0.3717	-15.5458
		0.0143	0.0041	0.0040	0.0037	1.0000	0.2000	0.0056	0.0043	0.0094
T	NB 94	NB 95	MO 95	MO 96	MO 97	TC 97	TC 98	RU 100	RU 101	AG 106
		-86.3460	-86.7841	-87.7089	-88.7942	-87.2400	-86.5200	-89.2187	-87.9532	-86.9430
		-15.2032	-8.7357	-8.3972	-3.6903	-1.9143	-11.9358	-2.5318	-1.2389	-12.5632
		0.0043	0.0056	0.0041	0.0251	0.0075	0.0038	0.0601	0.0252	0.0066
HE3	ZR 94	ZR 95	NB 95	NB 96	NB 97	MO 97	MO 98	TC 100	TC 101	PD 106
		-87.2670	-85.6631	-86.7841	-85.6440	-85.6060	-88.1097	-85.8500	-86.3240	-89.9070
		-2.8506	5.3748	3.6713	9.9564	10.6303	13.7619	11.4518	10.7937	-1.5326
		0.0066	0.0044	0.0143	0.0041	0.0251	0.0037	0.0058	0.0601	0.0123
HE4	ZR 93	ZR 94	NB 94	NB 95	NB 96	MO 96	MO 97	TC 99	TC 100	PD 105
		-87.1130	-87.2670	-86.3460	-86.7841	-85.6440	-88.7942	-87.3270	-85.8500	-88.4310
		-17.2443	-8.6040	-11.3931	-4.7977	-3.8412	-1.7993	-15.0034	-3.8087	-17.6771
		0.0068	0.0058	0.0111	0.0067	0.0148	0.0055	0.0057	1.0000	0.2001
HE6	ZR 91	ZR 92	NB 92	NB 93	NB 94	MO 94	MO 95	TC 97	TC 98	PD 103
		-87.8928	-88.4617	-86.4550	-87.2035	-86.3460	-88.4065	-87.7089	-87.2400	-86.5200
		-15.2793	-8.7219	-5.8766	-1.3784	0.5897	-0.3500	-12.4185	1.3897	-13.6129
		0.0076	0.0202	0.0044	0.0067	0.0045	0.0143	0.0043	0.0041	0.0054
LI6	Y 91	Y 92	ZR 92	ZR 93	ZR 94	NB 94	NB 95	MO 97	MO 98	RH 103
		-86.3480	-84.8340	-88.4617	-87.1130	-87.2670	-86.3460	-86.7841	-88.1097	-88.0144

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42 Mo 97

42 MO 98

MASS EXCESS -88.1097 +/- 0.0027 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.9187	6.5063	10.8762	13.1643	14.7748	3.4130	12.9237	14.6636	2.2327
		0.0094	0.0057	0.0601	0.0251	0.0041	0.0052	0.0067	0.0123	0.0044
GAMMA	MO 98	MO 99	TC 99	TC 100	TC 101	RU 101	RU 102	RH 104	RH 105	CD 110
		-85.9570	-87.3270	-85.8500	-86.3240	-87.9532	-89.0979	-86.9450	-87.8660	-90.3424
		-8.6422	-2.3721	4.2818	4.6188	7.9689	-5.8032	5.9217	5.6712	-7.6321
		0.0038	0.2000	0.0057	0.0601	0.0055	0.0041	0.0054	0.0067	0.0084
N	MO 97	MO 98	TC 98	TC 99	TC 100	RU 100	RU 101	RH 103	RH 104	CD 109
		-87.5389	-86.5200	-87.3270	-85.8500	-89.2187	-87.9532	-88.0144	-86.9450	-88.5490
		-9.7927	-3.8172	3.6942	5.7366	5.3827	-6.6499	5.9637	7.5985	-6.6813
		0.0075	0.2000	0.0094	0.0044	0.0601	0.0251	0.0192	0.0056	0.0055
P	NB 97	NB 98	MO 98	MO 99	MO 100	TC 100	TC 101	RU 103	RU 104	AG 109
		-85.6060	-83.5100	-85.9570	-86.1853	-85.8500	-86.3240	-87.2740	-88.0899	-88.7174
		-15.6016	-7.5682	-6.4177	-0.3387	1.0127	-12.9709	1.9407	0.9357	-13.6386
		0.0251	0.0075	0.0038	0.0094	0.0057	0.0601	0.0053	0.0192	0.0084
D	NB 96	NB 97	MO 97	MO 98	MO 99	TC 99	TC 100	RU 102	RU 103	AG 108
		-85.6440	-85.6060	-87.5389	-85.9570	-87.3270	-85.8500	-89.0979	-87.2740	-87.6070
		-16.2755	-9.3442	-6.9765	-2.3848	-1.6083	-13.3079	-1.0180	0.9456	-14.6568
		0.0041	0.0251	0.0037	0.0038	0.2000	0.0057	0.0043	0.0053	0.0050
T	NB 95	NB 96	MO 96	MO 97	MO 98	TC 98	TC 99	RU 101	RU 102	AG 107
		-86.7841	-85.6440	-88.7942	-87.5389	-86.5200	-87.3270	-87.9532	-89.0979	-88.4028
		-17.3779	-9.5398	-10.1080	-4.2991	-4.5811	-14.6593	-2.6286	-3.5337	-14.6731
		0.0056	0.0054	0.0251	0.0075	0.2000	0.0094	0.0252	1.0000	0.0051
HE3	ZR 95	ZR 96	NB 96	NB 97	NB 98	MO 98	MO 99	TC 101	TC 102	PD 107
		-85.6631	-85.4298	-85.6440	-85.6060	-83.5100	-85.9570	-86.3240	-84.6000	-88.3679
		-3.2674	3.2001	3.5386	8.2455	10.0215	11.9358	9.4040	10.6969	-0.6274
		0.0044	0.0056	0.0041	0.0251	0.0075	0.0038	0.0601	0.0252	0.0066
HE4	ZR 94	ZR 95	NB 95	NB 96	NB 97	MO 97	MO 98	TC 100	TC 101	PD 106
		-87.2670	-85.6631	-86.7841	-85.6440	-85.6060	-87.5389	-85.8500	-86.3240	-89.9070
		-17.2462	-10.5235	-11.2154	-6.2260	-3.9739	-3.0677	-14.4889	-5.0995	-3.4736
		0.0058	0.0077	0.0067	0.0148	0.0057	0.0057	0.0054	0.2001	0.0070
HE6	ZR 92	ZR 93	NB 93	NB 94	NB 95	MO 95	MO 96	TC 98	TC 99	PD 104
		-88.4617	-87.1130	-87.2035	-86.3460	-86.7841	-87.7089	-88.7942	-86.5200	-87.3270
		-17.3641	-9.9037	-7.7961	-1.7952	-1.5850	-0.4827	-14.1293	-1.3338	-15.2531
		0.0202	0.0212	0.0067	0.0045	0.0057	0.0043	0.0252	0.0095	0.0067
LI6	Y 92	Y 93	ZR 93	ZR 94	ZR 95	NB 95	NB 96	MO 98	MO 99	RH 104
		-84.8340	-84.2230	-87.1130	-87.2670	-85.6631	-86.7841	-85.6440	-85.9570	-86.9450

42 Mo 98

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42 MO 100

MASS EXCESS -86.1853 +/- 0.0035 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.3901	7.4277	11.5506	13.6847	16.0200	4.3294	14.2701	15.5800	4.3893
		0.0193	0.0252	1.0000	0.1001	0.0193	0.0060	0.0116	0.0402	0.0046
GAMMA	MO 100	MO 101	TC 101	TC 102	TC 103	RU 103	RU 104	RH 106	RH 107	CO 112
		-83.5040	-86.3240	-84.6000	-84.9200	-87.2740	-88.0899	-86.3670	-86.8580	-90.5746
		-8.2997	-1.1177	5.2032	5.2932	9.7725	-4.5580	7.6977	7.0176	-5.0103
		0.0097	0.0601	0.0252	1.0000	0.0056	0.0193	0.0125	0.0116	0.0050
N	MO 99	MO 100	TC 100	TC 101	TC 102	RU 102	RU 103	RH 105	RH 106	CO 111
		-85.9570	-85.8500	-86.3240	-84.6000	-89.0979	-87.2740	-87.8660	-86.3670	-89.2464
		-10.6143	-5.3128	3.1656	5.0757	6.0571	-6.1295	6.6091	7.7610	-5.2783
		1.0000	1.0000	0.0193	1.4100	1.0000	0.1001	0.0164	0.0116	0.0115
P	NB 99	NB 100	MO 100	MO 101	MO 102	TC 102	TC 103	RU 105	RU 106	AG 111
		-82.8600	-80.0900	-83.5040	-83.6000	-84.6000	-84.9200	-85.9950	-86.3280	-88.1960
		-15.8112	-8.3898	-6.0752	-0.8673	1.9341	-12.2965	2.8571	1.5811	-11.8512
		0.2000	1.0000	0.0097	0.0193	0.0252	1.0000	0.0060	0.0164	0.0078
D	NB 98	NB 99	MO 99	MO 100	MO 101	TC 101	TC 102	RU 104	RU 105	AG 110
		-83.5100	-82.8600	-85.9570	-83.5040	-86.3240	-84.6000	-88.0899	-85.9950	-87.4700
		-15.5292	-9.5538	-5.7366	-2.0423	-0.3539	-12.3865	0.2272	1.8620	-12.4178
		0.0078	0.2000	0.0044	0.0097	0.0601	0.0252	0.0194	0.0060	0.0059
T	NB 97	NB 98	MO 98	MO 99	MO 100	TC 100	TC 101	RU 103	RU 104	AG 109
		-85.6060	-83.5100	-88.1097	-85.9570	-85.8500	-86.3240	-87.2740	-88.0899	-88.7174
		-18.1826	-11.0352	-10.3176	-5.1207	-6.0767	-15.1879	-2.1082	-3.9693	-13.5146
		0.0223	1.0000	0.2000	1.0000	1.0000	0.0193	0.1001	0.1001	0.0061
HE3	ZR 97	ZR 98	NB 98	NB 99	NB 100	MO 100	MO 101	TC 103	TC 104	PD 109
		-82.9340	-82.0100	-83.5100	-82.8600	-80.0900	-83.5040	-84.9200	-82.2400	-87.6020
		-3.1802	2.3954	4.2849	8.0359	9.1999	12.2783	10.0784	11.2173	0.9140
		0.0059	0.0223	0.0078	0.2000	1.0000	0.0097	1.0000	0.1001	0.0087
HE4	ZR 96	ZR 97	NB 97	NB 98	NB 99	MO 99	MO 100	TC 102	TC 103	PD 108
		-85.4298	-82.9340	-85.6060	-83.5100	-82.8600	-85.9570	-84.6000	-84.9200	-89.5240
		-16.5165	-10.0490	-9.7104	-5.0036	-3.2275	-1.3133	-13.2490	-3.8451	-2.5522
		0.0063	0.0072	0.0062	0.0256	0.0088	0.0060	0.0060	0.0602	0.0256
HE6	ZR 94	ZR 95	NB 95	NB 96	NB 97	MO 97	MO 98	TC 100	TC 101	PD 106
		-87.2670	-85.6631	-86.7841	-85.6440	-85.6060	-87.5389	-88.1097	-85.8500	-86.3240
		-18.0037	-10.7423	-7.3216	-1.7080	-2.3897	0.2636	-14.3389	-1.8624	-13.9067
		0.2000	1.0000	0.0061	0.0060	0.0223	0.0079	0.2000	0.0194	0.0116
LI6	Y 94	Y 95	ZR 95	ZR 96	ZR 97	NB 97	NB 98	MO 100	MO 101	RH 106
		-82.2700	-81.4600	-85.6631	-85.4298	-82.9340	-85.6060	-83.5100	-83.5040	-86.3670

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42 Mo 100

44 RU 96

MASS EXCESS -86.0710 +/- 0.0050 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		8.0404	3.7680	11.0849	14.3980	10.5803	1.3337	10.6374	13.7063	
		1.4100	1.4100	0.3000	0.0206	0.2001	1.0000	1.0000	0.1001	MASS
GAMMA	RU 96	RU 97	RH 97	RH 98	RH 99	PD 99	PD 100	AG 102	AG 103	SN 108
		-86.0400	-82.5500	-84.0200	-85.5190	-81.7200	-84.9800	-82.6200	-84.8700	UNKNOWN
				1.5435	4.8275		-9.9977		3.3849	
			MASS	1.4100	0.3000	MASS	0.2001	MASS	1.0000	MASS
N	RU 95	RU 96	RH 96	RH 97	RH 98	PD 98	PD 99	AG 101	AG 102	SN 107
			UNKNOWN	-82.5500	-84.0200	UNKNOWN	-81.7200	UNKNOWN	-82.6200	UNKNOWN
				5.8159	9.8115	5.5914	-5.4162	6.1324	9.4703	-9.8600
		0.5715		1.4100	0.0065	0.3000	0.0206	0.0236	0.0112	0.1501
P	TC 95	TC 96	RU 96	RU 97	RU 98	RH 98	RH 99	PD 101	PD 102	IN 107
		-86.0500	-85.8600	-86.0400	-88.2215	-84.0200	-85.5190	-85.4040	-87.9230	-83.5000
				1.7830		-1.7256	-12.7622	-0.1385	1.1044	-18.5769
		-5.0855	-7.8999	1.4100		1.4100	0.3000	1.0000	0.0236	0.3000
D	TC 94	TC 95	RU 95	RU 96	RU 97	RH 97	RH 98	PD 100	PD 101	IN 106
		-84.1460	-86.0500	-84.0180	-86.0400	-82.5500	-84.0200	-84.9800	-85.4040	-80.6300
				-3.8670			-16.0462	-5.2125	-1.1336	
		0.0196	MASS	0.0373		MASS	1.4100	0.2001	1.0000	MASS
T	TC 93	TC 94	RU 94	RU 95	RU 96	RH 96	RH 97	PD 99	PD 100	IN 105
		-83.5990	-84.1460	UNKNOWN	-84.0180	UNKNOWN	-82.5500	-81.7200	-84.9800	UNKNOWN
				-1.8164	-0.1924		-12.5376	-1.3949	-0.5160	-16.6723
		-4.5244	-9.5673	0.0216	0.0503		1.4100	0.0206	0.0216	1.4100
HE3	MO 93	MO 94	TC 94	TC 95	TC 96	RU 96	RU 97	RH 99	RH 100	CD 105
		-86.7850	-88.4065	-84.1460	-86.0500	-85.8600	-86.0400	-85.5190	-85.5790	-84.3300
				8.7862	12.5042	10.4536		9.6127	11.9306	-4.5557
		6.3607	2.3922	0.0086	0.0216	0.0373		0.3000	0.0206	1.0000
HE4	MO 92	MO 93	TC 93	TC 94	TC 95	RU 95	RU 96	RH 98	RH 99	CD 104
		-86.8043	-86.7850	-83.5990	-84.1460	-86.0500	-84.0180	-84.0200	-85.5190	-83.9400
				-11.7833	-5.1202				-6.2119	
		-13.3078	MASS	0.1401	0.0201	MASS	MASS	MASS	1.4100	MASS
HE6	MO 90	MO 91	TC 91	TC 92	TC 93	RU 93	RU 94	RH 96	RH 97	CD 102
		-80.1730	-82.2900	UNKNOWN	-78.7500	UNKNOWN	UNKNOWN	UNKNOWN	-82.5500	UNKNOWN
				-0.2192	1.5756	-1.6291	-13.5886		0.7879	-17.5394
		-5.3380	-10.5804	0.0060	0.0140	0.0197	0.0087		1.4100	1.0000
LI6	NB 90	NB 91	MO 91	MO 92	MO 93	TC 93	TC 94	RU 96	RU 97	AG 102
		-82.6600	-86.7500	-82.2900	-86.8043	-86.7850	-83.5990	-84.1460	-86.0400	-82.6200

44 Ru 96

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44 RU 98

MASS EXCESS -88.2215 +/- 0.0041 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
GAMMA	RU 98	7.4689	4.5865	10.4934	14.1214	12.1138	2.1263	11.0079	13.8158	
		0.0057	0.0204	0.0214	0.0185	0.0234	0.0108	0.0156	1.0000	MASS
		RU 99	RH 99	RH 100	RH 101	PD 101	PD 102	AG 104	AG 105	SN 110
		-87.6190	-85.5190	-85.5790	-87.3930	-85.4040	-87.9230	-85.1410	-87.1300	UNKNOWN
N	RU 97	-10.2529	-4.9839	2.3620	4.2360	3.6184	-8.4642	2.6655	3.7554	
		1.4100	0.3000	0.0204	0.0214	1.0000	0.0234	0.1001	0.0156	MASS
		RU 98	RH 98	RH 99	RH 100	PD 100	PD 101	AG 103	AG 104	SN 109
		-86.0400	-84.0200	-85.5190	-85.5790	-84.9800	-85.4040	-84.8700	-85.1410	UNKNOWN
P	TC 97	-8.2705	-0.9190	5.2444	8.6582	4.9999	-5.6927	6.0379	8.8078	-8.9805
		1.0000	0.2000	0.0057	0.0063	0.0214	0.0185	0.0204	0.0118	0.0136
		TC 98	RU 98	RU 99	RU 100	RH 100	RH 101	PD 103	PD 104	IN 109
		-87.2400	-86.5200	-87.6190	-89.2187	-85.5790	-87.3930	-87.4600	-89.4110	-86.5300
D	TC 96	-15.4974	-6.0460	-8.0284	1.2115	-0.9071	-13.3537	0.6540	1.0099	-16.6274
		0.0502	1.0000	1.4100	0.0057	0.0204	0.0214	0.0109	0.0204	0.0502
		TC 97	RU 97	RU 98	RU 99	RH 99	RH 100	PD 102	PD 103	IN 108
		-85.8600	-87.2400	-86.0400	-87.6190	-85.5190	-85.5790	-87.9230	-87.4600	-84.7300
T	TC 95	-17.1214	-9.2400	-9.8115	-3.9955	-4.2201	-15.2277	-3.6790	-0.3411	-19.6714
		0.0214	0.0502	0.0065	1.4100	0.3000	0.0204	0.0234	0.0109	0.1501
		TC 96	RU 96	RU 97	RU 98	RH 98	RH 99	PD 101	PD 102	IN 107
		-86.0500	-85.8600	-86.0710	-86.0400	-84.0200	-85.5190	-85.4040	-87.9230	-83.5000
HE3	MO 95	-15.4439	-6.2872	-10.0038	-2.7769	-1.6829	-13.1091	-1.6714	-1.4715	-16.1668
		0.0051	0.0048	0.0502	1.0000	0.2000	0.0057	0.0185	0.0091	0.0073
		MO 96	TC 96	TC 97	TC 98	RU 98	RU 99	RH 101	RH 102	CD 107
		-87.7089	-88.7942	-85.8600	-87.2400	-86.5200	-87.6190	-87.3930	-86.7740	-86.9860
HE4	MO 94	-2.2397	5.1341	2.6927	8.3497	11.5437	10.3251	9.0212	11.6540	-3.5181
		0.0049	0.0051	0.0214	0.0502	1.0000	1.4100	0.0214	0.0185	0.0057
		MO 95	TC 95	TC 96	TC 97	RU 97	RU 98	RH 100	RH 101	CD 106
		-88.4065	-87.7089	-86.0500	-85.8600	-87.2400	-86.0400	-85.5790	-87.3930	-87.1281
HE6	MO 92	-19.0154	-10.9633	-14.9317	-8.5378	-4.8197	-6.8704	-17.3239	-7.7113	-5.3934
		0.0066	0.0142	0.0198	0.0090	0.0218	0.0374	0.0076	0.3001	0.0208
		MO 93	TC 93	TC 94	TC 95	TC 96	RU 95	RU 96	RH 98	RH 99
		-86.8043	-86.7850	-83.5990	-84.1460	-86.0500	-84.0180	-86.0710	-84.0200	-85.5190
LI6	NB 92	-15.8549	-7.0350	-8.2359	-0.7675	0.3490	-1.3286	-14.0252	0.2164	-17.1689
		0.0109	0.0063	0.0137	0.0050	0.0052	0.0214	0.0502	0.0059	0.0156
		NB 93	MO 93	MO 94	MO 95	TC 95	TC 96	RU 98	RU 99	AG 104
		-86.4550	-87.2035	-86.7850	-88.4065	-87.7089	-86.0500	-85.8600	-87.6190	-85.1410

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44 Ru 98

44 RU 99

MASS EXCESS -87.6190 +/- 0.0040 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			9.6711	5.2490	12.9099	14.1049	15.2353	2.2657	13.5994	14.2313	-1.9790
			0.0062	0.0214	0.0184	0.0089	0.0108	0.0204	1.0000	0.0099	0.2000
GAMMA	RU 99	RU 100	RH 100	RH 101	RH 102	PD 102	PD 103	AG 105	AG 106	SN 111	
			-89.2187	-85.5790	-87.3930	-86.7740	-87.9230	-87.4600	-87.1300	-86.9430	-85.6400
				-2.8825	3.0245	6.6525	4.6449	-5.3427	3.5390	6.3469	
			0.0057	0.0204	0.0214	0.0184	0.0233	0.0108	0.0156	1.0000	MASS
N	RU 98	RU 99	RH 99	RH 100	RH 101	PD 101	PD 102	AG 104	AG 105	SN 110	
			-88.2215	-85.5190	-85.5790	-87.3930	-85.4040	-87.9230	-85.1410	-87.1300	UNKNOWN
					7.4466	7.9952	7.4163	-5.7092	8.5914	8.4303	-8.4960
			0.4904		0.0063	0.0051	0.0184	0.0090	0.0118	0.0127	0.0402
P	TC 98	TC 99	RU 99	RU 100	RU 101	RH 101	RH 102	PD 104	PD 105	IN 110	
			-86.5200	-87.3270	-89.2187	-87.9532	-87.3930	-86.7740	-89.4110	-88.4310	-86.4120
						3.4137	-0.2446	-10.9372	0.7935	3.5634	-14.2249
			-13.5149	-6.1635	-5.2444						
			1.0000	0.2000	0.0057	0.0063	0.0214	0.0184	0.0204	0.0118	0.0136
D	TC 97	TC 98	RU 98	RU 99	RU 100	RH 101	RH 101	PD 103	PD 104	IN 109	
			-87.2400	-86.5200	-88.2215	-89.2187	-85.5790	-87.3930	-87.4600	-89.4110	-86.5300
							-2.1186	-14.5652	-0.5575	-0.2016	-17.8390
			-16.7090	-7.2575	-9.2400	-1.2115					
			0.0502	1.0000	1.4100	0.0057	0.0204	0.0214	0.0108	0.0204	0.0502
T	TC 96	TC 97	RU 97	RU 98	RU 99	RH 99	RH 100	PD 102	PD 103	IN 108	
			-85.8600	-87.2400	-86.0400	-88.2215	-85.5190	-85.5790	-87.9230	-87.4600	-84.7300
								-10.9069	-1.6879	0.3714	-13.3022
			-13.7561	-6.9400	-8.0213	-2.8944	-0.2734				
			0.0047	0.0048	1.0000	0.2000	0.0064	0.0063	0.0090	0.0061	0.0058
HE3	MO 96	MO 97	TC 97	TC 98	TC 99	RU 99	RU 100	RH 102	RH 103	CD 108	
			-88.7942	-87.5389	-87.2400	-86.5200	-87.3270	-89.2187	-86.7740	-88.0144	-89.2481
									11.4377	11.6376	-3.0577
			-2.3348	6.8219	3.1052	10.3322	11.4262	13.1091			
			0.0050	0.0047	0.0502	1.0000	0.2000	0.0057	0.0185	0.0090	0.0072
HE4	MO 95	MO 96	TC 96	TC 97	TC 98	RU 98	RU 99	RH 101	RH 102	CD 107	
			-87.7089	-88.7942	-85.8600	-87.2400	-86.5200	-88.2215	-87.3930	-86.7740	-86.9860
											-20.8872
			-18.4322	-8.7393	-13.7822	-6.0313	-4.4073	-4.2149	-16.7524	-5.6098	-4.7309
			0.0142	0.0063	0.0090	0.0217	0.0503	0.0076	1.4100	0.0208	0.0218
HE6	MO 93	MO 94	TC 94	TC 95	TC 96	RU 96	RU 97	RH 99	RH 100	CD 105	
			-86.7850	-88.4065	-84.1460	-86.0500	-85.8600	-86.0710	-86.0400	-85.5190	-85.5790
											2.4186
			-14.5039	-7.2900	-6.0119	-0.8626	2.0367	-0.9161	-12.0427		-14.5774
			0.0063	0.0146	0.0050	0.0051	0.0048	0.0502	1.0000	0.0064	1.0000
LI6	NB 93	NB 94	MO 94	MO 95	MO 96	TC 96	TC 97	RU 99	RU 100	AG 105	
			-87.2035	-86.3460	-88.4065	-87.7089	-88.7942	-85.8600	-87.2400	-89.2187	-87.1300

44 RU 100

MASS EXCESS -89.2187 +/- 0.0048 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.8059	5.4633	10.6912	13.7456	13.1726	2.6171	11.8127	14.0914	-0.5747
		0.0057	0.0186	0.0093	0.0066	0.0206	0.0120	0.0103	0.0065	0.0102
GAMMA	RU 100	RU 101	RH 101	RH 102	RH 103	PD 103	PD 104	AG 106	AG 107	SN 112
		-87.9532	-87.3930	-86.7740	-88.0144	-87.4600	-89.4110	-86.9430	-88.4028	-88.6440
		-9.6711	-4.4221	3.2388	4.4338	5.5642	-7.4054	3.9283	4.5602	-11.6501
		0.0062	0.0215	0.0186	0.0093	0.0111	0.0206	1.0000	0.0103	0.2001
N	RU 99	RU 100	RH 100	RH 101	RH 102	PD 102	PD 103	AG 105	AG 106	SN 111
		-87.6190	-85.5790	-87.3930	-86.7740	-87.9230	-87.4600	-87.1300	-86.9430	-85.6400
		-9.1807	-2.5862	4.5814	7.5402	5.1976	-6.0685	6.0117	8.3066	-8.3477
		0.0069	0.0602	0.0057	0.0065	0.0093	0.0066	0.0130	0.0078	0.2001
P	TC 99	TC 100	RU 100	RU 101	RU 102	RH 102	RH 103	PD 105	PD 106	IN 111
		-87.3270	-85.8500	-87.9532	-89.0979	-86.7740	-88.0144	-88.4310	-89.9070	-88.1600
		-15.8346	-6.9562	-7.4466	0.5485	-0.0303	-13.1559	1.1448	0.9837	-15.9426
		0.2001	0.0069	0.0063	0.0057	0.0186	0.0093	0.0121	0.0130	0.0403
D	TC 98	TC 99	RU 99	RU 100	RU 101	RH 101	RH 102	PD 104	PD 105	IN 110
		-86.5200	-87.3270	-87.6190	-87.9532	-87.3930	-86.7740	-89.4110	-88.4310	-86.4120
		-16.9286	-9.5772	-8.6582	-3.4137	-3.6583	-14.3509	-2.6202	0.1497	-17.6386
		1.0000	0.2001	0.0063	0.0063	0.0215	0.0186	0.0206	0.0121	0.0139
T	TC 97	TC 98	RU 98	RU 99	RU 100	RH 100	RH 101	PD 103	PD 104	IN 109
		-87.2400	-86.5200	-88.2215	-87.6190	-85.5790	-87.3930	-87.4600	-89.4110	-86.5300
		-16.6111	-7.9689	-10.3410	-3.6871	-3.3501	-13.7721	-2.0472	-2.2977	-15.6010
		0.0055	0.0055	0.2001	0.0069	0.0602	0.0057	0.0067	0.0078	0.0093
HE3	MO 97	MO 98	TC 98	TC 99	TC 100	RU 100	RU 101	RH 103	RH 104	CD 109
		-87.5389	-88.1097	-86.5200	-87.3270	-85.8500	-87.9532	-88.0144	-86.9450	-88.5490
		-2.8492	3.9669	2.8855	8.0125	10.6335	10.9069	9.2190	11.2782	-2.3953
		0.0054	0.0055	1.0000	0.2001	0.0069	0.0063	0.0094	0.0067	0.0064
HE4	MO 96	MO 97	TC 97	TC 98	TC 99	RU 99	RU 100	RH 102	RH 103	CD 108
		-88.7942	-87.5389	-87.2400	-86.5200	-87.3270	-87.6190	-86.7740	-88.0144	-89.2481
		-18.4104	-11.0366	-13.4779	-7.8210	-4.6270	-5.8456	-16.1706	-7.1495	-4.5166
		0.0068	0.0069	0.0219	0.0504	1.0000	1.4100	0.0075	0.0219	0.0191
HE6	MO 94	MO 95	TC 95	TC 96	TC 97	RU 97	RU 98	RH 100	RH 101	CD 106
		-88.4065	-87.7089	-86.0500	-85.8600	-87.2400	-86.0400	-88.2215	-85.5790	-87.3930
		-16.9611	-8.4516	-8.3092	-1.3770	-0.8182	-1.1358	-14.3623	-0.4466	-16.3641
		0.0148	0.0058	0.0058	0.0055	0.0056	1.0000	0.2001	0.0059	0.0103
LI6	NB 94	NB 95	MO 95	MO 96	MO 97	TC 97	TC 98	RU 100	RU 101	AG 106
		-86.3460	-86.7841	-87.7089	-88.7942	-87.5389	-87.2400	-86.5200	-87.9532	-86.9430

44 RU 101

MASS EXCESS -87.9532 +/- 0.0031 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		9.2161	6.1098	13.1971	13.9417	16.3891	2.9025	14.5380	14.5611	0.3628
		0.0054	0.0086	0.0055	0.0068	0.0114	0.0124	0.0053	0.0086	0.0173
GAMMA	RU 101	RU 102	RH 102	RH 103	RH 104	PD 104	PD 105	AG 107	AG 108	SN 113
		-89.0979	-86.7740	-88.0144	-86.9450	-89.4110	-88.4310	-88.4028	-87.6070	-88.3160
		-6.8059	-1.3427	3.8853	6.9397	6.3667	-4.1889	5.0068	7.2855	-7.3806
		0.0057	0.0183	0.0086	0.0055	0.0202	0.0114	0.0096	0.0053	0.0095
N	RU 101	RU 101	RH 101	RH 102	RH 103	PD 103	PD 104	AG 106	AG 107	SN 112
		-89.2187	-87.3930	-86.7740	-88.0144	-87.4600	-89.4110	-86.9430	-88.4028	-88.6440
		-9.3922	-0.8467	6.9916	6.9818	7.7035	-5.8724	8.7532	8.0330	-7.2582
		0.0601	0.0252	0.0054	0.0193	0.0055	0.0068	0.0068	0.0054	0.0095
P	TC 100	TC 101	RU 101	RU 102	RU 103	RH 103	RH 104	PD 106	PD 107	IN 112
		-85.8500	-86.3240	-89.0979	-87.2740	-88.0144	-86.9450	-89.9070	-89.3679	-87.9840
		-13.7621	-7.1677	-4.5814	2.9587	0.6162	-10.6500	1.4303	3.7252	-12.9291
		0.0059	0.0601	0.0057	0.0054	0.0086	0.0055	0.0124	0.0068	0.2000
D	TC 99	TC 100	RU 100	RU 101	RU 102	RH 102	RH 103	PD 105	PD 106	IN 111
		-87.3270	-85.8500	-89.2187	-89.0979	-86.7740	-88.0144	-88.4310	-89.9070	-88.1600
		-16.3831	-7.5047	-7.9952	-0.5485	-0.5788	-13.7044	0.5963	0.4352	-16.4911
		0.2000	0.0059	0.0051	0.0057	0.0183	0.0086	0.0115	0.0124	0.0401
T	TC 98	TC 99	RU 99	RU 100	RU 101	RH 101	RH 102	PD 104	PD 105	IN 110
		-86.5200	-87.3270	-87.6190	-89.2187	-87.3930	-86.7740	-89.4110	-88.4310	-86.4120
		-14.7748	-8.8561	-8.2685	-3.8986	-1.6106	-11.3619	-1.8511	-0.1112	-12.5421
		0.0041	0.0095	0.0059	0.0601	0.0252	0.0054	0.0068	0.0124	0.0047
HE3	MO 98	MO 99	TC 99	TC 100	TC 101	RU 101	RU 102	RH 104	RH 105	CD 110
		-88.1097	-85.9570	-87.3270	-85.8500	-86.3240	-89.0979	-86.9450	-87.8660	-90.3424
		-2.8390	5.8032	3.4310	10.0850	10.4220	13.7721	11.7249	11.4743	-1.8289
		0.0041	0.0041	0.2000	0.0059	0.0601	0.0057	0.0056	0.0069	0.0086
HE4	MO 97	MO 98	TC 98	TC 99	TC 100	RU 100	RU 101	RH 103	RH 104	CD 109
		-87.5389	-88.1097	-86.5200	-87.3270	-85.8500	-89.2187	-88.0144	-86.9450	-88.5490
		-17.8425	-8.6858	-12.4024	-5.1755	-4.0814	-2.3986	-15.5076	-4.0700	-3.8701
		0.0059	0.0056	0.0503	1.0000	0.2001	0.0065	0.0065	0.0187	0.0095
HE6	MO 95	MO 96	TC 96	TC 97	TC 98	RU 98	RU 99	RH 101	RH 102	CD 107
		-87.7089	-88.7942	-85.8600	-87.2400	-86.5200	-88.2215	-87.6190	-87.3930	-86.7740
		-15.2575	-8.3262	-5.9584	-1.3668	1.0181	-0.5903	-12.2899	1.9636	-13.6388
		0.0045	0.0252	0.0041	0.0043	0.0043	0.2000	0.0060	0.0056	0.0053
LI6	NB 95	NB 96	MO 96	MO 97	MO 98	TC 98	TC 99	RU 101	RU 102	AG 107
		-86.7841	-85.6440	-88.7942	-87.5389	-88.1097	-86.5200	-87.3270	-89.0979	-88.4028

44 RU 102

MASS EXCESS -89.0979 +/- 0.0044 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
GAMMA	RU 102	6.2475	6.2055	10.9830	13.7181	14.2644	3.2338	12.5975	14.5268	1.4671
		0.0195	0.0063	0.0074	0.0128	0.0128	0.0075	0.0092	0.0066	0.0091
		RU 103	RH 103	RH 104	RH 105	PD 105	PD 106	AG 108	AG 109	SN 114
		-87.2740	-88.0144	-86.9450	-87.8660	-88.4310	-89.9070	-87.6070	-88.7174	-90.5650
N	RU 101	-9.2161	-3.1063	3.9810	4.7256	7.1730	-6.3136	5.3219	5.3450	-8.8533
		0.0054	0.0091	0.0063	0.0074	0.0118	0.0128	0.0062	0.0092	0.0176
		RU 102	RH 102	RH 103	RH 104	PD 104	PD 105	AG 107	AG 108	SN 113
		-87.9532	-86.7740	-88.0144	-86.9450	-89.4110	-88.4310	-88.4028	-87.6070	-88.3160
P	TC 101	-10.0629	-3.7154	4.0230	6.6530	5.4894	-6.0961	6.0694	8.0444	-7.0479
		0.0254	1.0000	0.0195	0.0065	0.0074	0.0128	0.0063	0.0092	0.0091
		TC 102	RU 102	RU 103	RU 104	RH 104	RH 105	PD 107	PD 108	IN 113
		-86.3240	-84.6000	-87.2740	-88.0899	-86.9450	-87.8660	-88.3679	-89.5240	-89.3390
D	TC 101	-16.3838	-7.8384	-6.9916	-0.0099	0.7119	-12.8641	1.7616	1.0414	-14.2498
		0.0602	0.0254	0.0054	0.0195	0.0063	0.0075	0.0075	0.0063	0.0100
		TC 101	RU 101	RU 102	RU 103	RH 103	RH 104	PD 106	PD 107	IN 112
		-85.8500	-86.3240	-87.9532	-87.2740	-88.0144	-86.9450	-89.9070	-88.3679	-87.9840
T	TC 99	-16.7208	-10.1264	-7.5402	-2.9587	-2.3425	-13.6087	-1.5284	0.7664	-15.8878
		0.0067	0.0602	0.0065	0.0054	0.0091	0.0063	0.0128	0.0075	0.2000
		TC 100	RU 100	RU 101	RU 102	RH 102	RH 103	PD 105	PD 106	IN 111
		-87.3270	-85.8500	-89.2187	-87.9532	-86.7740	-88.0144	-88.4310	-89.9070	-88.1600
HE3	MO 99	-18.0722	-9.7725	-10.8902	-4.5693	-4.4793	-14.3305	-2.0748	-2.7549	-14.7828
		0.0100	0.0056	0.0602	0.0254	1.0000	0.0195	0.0128	0.0119	0.0057
		MO 100	TC 100	TC 101	TC 102	RU 102	RU 103	RH 105	RH 106	CD 111
		-85.9570	-86.1853	-85.8500	-86.3240	-84.6000	-87.2740	-87.8660	-86.3670	-89.2464
HE4	MO 98	-3.4129	2.5058	3.0933	7.4633	9.7513	11.3619	9.5108	11.2507	-1.1803
		0.0052	0.0100	0.0067	0.0602	0.0254	0.0054	0.0075	0.0128	0.0056
		MO 99	TC 99	TC 100	TC 101	RU 101	RU 102	RH 104	RH 105	CD 110
		-88.1097	-85.9570	-87.3270	-85.8500	-86.3240	-87.9532	-86.9450	-87.8660	-90.3424
HE6	MO 96	-17.9019	-11.0858	-12.1671	-7.0402	-4.4192	-4.1458	-15.0526	-5.8337	-3.7744
		0.0065	0.0065	1.0000	0.2001	0.0078	0.0072	0.0077	0.0100	0.0075
		MO 97	TC 97	TC 98	TC 99	RU 99	RU 100	RH 102	RH 103	CD 108
		-88.7942	-87.5389	-87.2400	-86.5200	-87.3270	-87.6190	-89.2187	-86.7740	-88.0144
LI6	NB 96	-17.5423	-9.5089	-8.3584	-1.9407	-2.2794	-0.9280	-14.9115	-1.0050	-15.5793
		0.0254	0.0083	0.0053	0.0053	0.0101	0.0068	0.0602	0.0196	0.0092
		NB 97	MO 97	MO 98	MO 99	TC 99	TC 100	RU 102	RU 103	AG 108
		-85.6440	-85.6060	-87.5389	-88.1097	-85.9570	-87.3270	-85.8500	-87.2740	-87.6070

44 RU 104

MASS EXCESS -88.0899 +/- 0.0048 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.9765	7.0651	11.4130	13.7181	15.2093	3.8589	13.4685	15.0134	3.4328
		0.0167	0.0129	0.0120	0.0403	0.0064	0.0093	0.0086	0.0121	0.0065
GAMMA	RU 104	RU 105	RH 105	RH 106	RH 107	PD 107	PD 108	AG 110	AG 111	SN 116
		-85.9950	-87.8660	-86.3670	-86.8580	-88.3679	-89.5240	-87.4700	-88.1960	-91.5227
		-8.8873	-1.9274	4.8406	5.1556	8.6770	-5.3687	6.6445	6.2160	-6.1303
		0.0196	0.0077	0.0129	0.0120	0.0077	0.0065	0.0069	0.0086	0.0085
N	RU 103	RU 104	RH 104	RH 105	RH 106	PD 106	PD 107	AG 109	AG 110	SN 115
		-87.2740	-86.9450	-87.8660	-86.3670	-89.9070	-88.3679	-88.7174	-87.4700	-90.0310
		-10.4589	-5.0674	3.7520	5.8991	5.9194	-6.0961	6.3115	7.8664	-5.8369
		0.1001	0.1001	0.0167	0.0120	0.0120	0.0403	0.0070	0.0139	0.0093
P	TC 103	TC 104	RU 104	RU 105	RU 106	RH 106	RH 107	PD 109	PD 110	IN 115
		-84.9200	-82.2400	-85.9950	-86.3280	-86.3670	-86.8580	-87.6020	-88.3380	-89.5420
		-16.6258	-8.2344	-6.6628	-0.2809	1.5715	-12.4341	2.3866	1.2835	-12.6408
		1.0000	0.1001	0.0196	0.0167	0.0129	0.0120	0.0094	0.0070	0.0093
D	TC 102	TC 103	RU 104	RU 105	RU 106	RH 105	RH 106	PD 108	PD 109	IN 114
		-84.6000	-84.9200	-87.2740	-85.9950	-87.8660	-86.3670	-89.5240	-87.6020	-88.5850
		-16.7158	-10.3684	-6.6530	-2.6299	-1.1635	-12.7491	-0.5835	1.3915	-13.7008
		0.0255	1.0000	0.0065	0.0196	0.0077	0.0129	0.0065	0.0094	0.0093
T	TC 101	TC 102	RU 102	RU 103	RU 104	RH 104	RH 105	PD 107	PD 108	IN 113
		-86.3240	-84.6000	-89.0979	-87.2740	-86.9450	-87.8660	-88.3679	-89.5240	-89.3390
		-19.5172	-11.3498	-11.1322	-4.9653	-5.8313	-14.6015	-2.0748	-3.1139	-13.9799
		0.0196	1.4100	1.0000	0.1001	0.1001	0.0167	0.0403	0.6000	0.0059
HE3	MO 101	MO 102	TC 102	TC 103	TC 104	RU 104	RU 105	RH 107	RH 108	CD 113
		-83.5040	-83.6000	-84.6000	-84.9200	-82.2400	-85.9950	-86.8580	-85.0000	-89.0413
		-4.3293	1.0608	3.0983	7.2213	9.3553	11.6907	9.9408	11.2507	0.0600
		0.0060	0.0196	0.0255	1.0000	0.1001	0.0196	0.0121	0.0403	0.0057
HE4	MO 100	MO 101	TC 101	TC 102	TC 103	RU 103	RU 104	RH 106	RH 107	CD 112
		-86.1853	-83.5040	-86.3240	-84.6000	-84.9200	-87.2740	-86.3670	-86.8580	-90.5746
		-17.5784	-11.6597	-11.0721	-6.7022	-4.4141	-2.8036	-14.1654	-4.6547	-2.9148
		0.0068	0.0110	0.0080	0.0603	0.0258	0.0070	0.0077	0.0087	0.0136
HE6	MO 98	MO 99	TC 99	TC 100	TC 101	RU 101	RU 102	RH 104	RH 105	CD 110
		-88.1097	-85.9570	-87.3270	-85.8500	-86.3240	-87.9532	-89.0979	-86.9450	-87.8660
		-18.6683	-11.2469	-8.9323	-2.8571	-3.7243	-0.9230	-15.1535	-1.2760	-14.7083
		0.2001	1.0000	0.0103	0.0060	0.0196	0.0255	1.0000	0.0168	0.0086
LI6	NB 98	NB 99	MO 99	MO 100	MO 101	TC 101	TC 102	RU 104	RU 105	AG 110
		-83.5100	-82.8600	-85.9570	-86.1853	-83.5040	-86.3240	-84.6000	-85.9950	-87.4700

44 Ru 104

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45 RH 103

MASS EXCESS -88.0144 +/- 0.0045 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.0020	8.6856	13.5525	16.8426	13.8599	2.8132	14.6230	17.2353	-1.0134
		0.0075	0.0119	0.0128	0.0075	0.0101	0.0062	0.0092	0.0058	0.0215
GAMMA	RH 103	RH 104	PD 104	PD 105	PD 106	AG 106	AG 107	CD 109	CD 110	SB 115
		-86.9450	-89.4110	-88.4310	-89.9070	-86.9430	-88.4028	-88.5490	-90.3424	-87.0010
		-9.3118	-1.3368	6.4611	7.2951	5.9755	-6.7181	7.2507	7.3705	-11.7958
		0.0092	0.0205	0.0119	0.0128	1.0000	0.0101	0.0063	0.0092	0.2001
N	RH 102	RH 103	PD 103	PD 104	PD 105	AG 105	AG 106	CD 108	CD 109	SB 114
		-86.7740	-87.4600	-89.4110	-88.4310	-87.1300	-86.9430	-89.2481	-89.5490	-84.2900
		-6.2055	0.0421	4.7775	7.5126	8.0590	-2.9716	6.3920	8.3213	-4.7384
		0.0063	0.0195	0.0075	0.0128	0.0128	0.0075	0.0092	0.0067	0.0092
P	RU 102	RU 103	RH 103	RH 104	RH 105	PD 105	PD 106	AG 108	AG 109	SN 114
		-89.0979	-87.2740	-86.9450	-87.8660	-88.4310	-89.9070	-87.6070	-88.7174	-90.5650
		-13.1971	-3.9810	-7.0873	0.7446	3.1920	-10.2946	1.3409	1.3640	-12.8343
		0.0055	0.0063	0.0092	0.0075	0.0119	0.0128	0.0063	0.0092	0.0176
D	RU 101	RU 102	RH 102	RH 103	RH 104	PD 104	PD 105	AG 107	AG 108	SN 113
		-87.9532	-89.0979	-86.7740	-86.9450	-89.4110	-88.4310	-88.4028	-87.6070	-88.3160
		-13.7456	-6.9397	-8.2824	-3.0544	-0.5730	-11.1286	-1.9329	0.3458	-14.3203
		0.0066	0.0055	0.0186	0.0092	0.0205	0.0119	0.0101	0.0063	0.0101
T	RU 100	RU 101	RH 101	RH 102	RH 103	PD 103	PD 104	AG 106	AG 107	SN 112
		-89.2187	-87.9532	-87.3930	-86.7740	-87.4600	-89.4110	-86.9430	-88.4028	-88.6440
		-17.0957	-8.5503	-7.7035	-0.7119	-0.7218	-13.5760	1.0497	0.3295	-14.9617
		0.0602	0.0254	0.0055	0.0063	0.0195	0.0075	0.0076	0.0063	0.0101
HE3	TC 100	TC 101	RU 101	RU 102	RU 103	RH 103	RH 104	PD 106	PD 107	IN 112
		-85.8500	-86.3240	-87.9532	-89.0979	-87.2740	-86.9450	-89.9070	-88.3679	-87.9840
		-3.1121	3.4823	6.0685	10.6500	13.6087	11.2662	12.0803	14.3752	-2.2791
		0.0067	0.0602	0.0066	0.0055	0.0063	0.0092	0.0129	0.0076	0.2001
HE4	TC 99	TC 100	RU 100	RU 101	RU 102	RH 102	RH 103	PD 105	PD 106	IN 111
		-87.3270	-85.8500	-89.2187	-87.9532	-89.0979	-86.7740	-88.4310	-89.9070	-88.1600
		-18.3726	-11.0212	-10.1021	-4.8577	-1.4439	-5.1023	-15.7948	-4.0642	-1.2943
		1.0000	0.2001	0.0073	0.0072	0.0077	0.0218	0.0190	0.0209	0.0126
HE6	TC 97	TC 98	RU 98	RU 99	RU 100	RH 100	RH 101	PD 103	PD 104	IN 109
		-87.2400	-86.5200	-88.2215	-87.6190	-89.2187	-85.5790	-87.3930	-87.4600	-89.4110
		-14.5639	-5.9217	-8.2938	-1.6399	-1.3028	2.0472	-11.7248	-0.2505	-13.5538
		0.0054	0.0054	0.2001	0.0068	0.0602	0.0067	0.0056	0.0077	0.0092
LI6	MO 97	MO 98	TC 98	TC 99	TC 100	RU 100	RU 101	RH 103	RH 104	CD 109
		-87.5389	-88.1097	-86.5200	-87.3270	-85.8500	-89.2187	-87.9532	-86.9450	-88.5490

46 PD 102

MASS EXCESS -87.9230 +/- 0.0100 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
GAMMA	PD 102	7.6084 0.0224 PD 103 -87.4600	4.2360 0.1005 AG 103 -84.8700	10.3539 0.0180 AG 104 -85.1410	14.1569 1.0001 AG 105 -87.1300	11.3383 1.4100 CD 105 -84.3300	1.6299 0.0107 CD 106 -87.1281	10.8954 0.0510 IN 108 -84.7300	13.5143 0.0164 IN 109 -86.5300	MASS TE 114 UNKNOWN
N	PD 101 -85.4040	PD 102	AG 102 -82.6200	AG 103 -84.8700	AG 104 -85.1410	AG 104 -83.9400	AG 105 -84.3300	AG 105 -83.5000	AG 106 -84.7300	MASS TE 113 UNKNOWN
P	RH 101 -87.3930	RH 102 -86.7740	PD 102	PD 103 -87.4600	PD 104 -89.4110	AG 104 -85.1410	AG 105 -87.1300	CD 107 -86.9860	CD 108 -89.2481	-11.3660 0.0441 SB 113 -83.8460
D	RH 100 -85.5790	RH 101 -87.3930	PD 101 -85.4040	PD 102	PD 103 -87.4600	AG 103 -84.8700	AG 104 -85.1410	CD 106 -87.1281	CD 107 -86.9860	MASS SB 112 UNKNOWN
T	RH 99 -85.5190	RH 100 -85.5790	PD 100 -84.9800	PD 101 -85.4040	PD 102	AG 102 -82.6200	AG 103 -84.8700	CD 105 -84.3300	CD 106 -87.1281	MASS SB 111 UNKNOWN
HE3	RU 99 -87.6190	RU 100 -89.2187	RH 100 -85.5790	RH 101 -87.3930	RH 102 -86.7740	PD 102	PD 103 -87.4600	AG 105 -87.1300	AG 106 -86.9430	-17.2143 0.2002 SN 111 -85.6400
HE4	RU 98 -88.2215	RU 99 -87.6190	RH 99 -85.5190	RH 100 -85.5790	RH 101 -87.3930	PD 101 -85.4040	PD 102	AG 104 -85.1410	AG 105 -87.1300	MASS SN 110 UNKNOWN
HE6	RU 96 -86.0710	RU 97 -86.0400	RH 97 -82.5500	RH 98 -84.0200	RH 99 -85.5190	PD 99 -81.7200	PD 100 -84.9800	AG 102 -82.6200	AG 103 -84.8700	MASS SN 108 UNKNOWN
LI6	TC 96 -85.8600	TC 97 -87.2400	RU 97 -86.0400	RU 98 -88.2215	RU 99 -87.6190	RH 99 -85.5190	RH 100 -85.5790	PD 102	PD 103 -87.4600	0.3559 0.0224 IN 108 -84.7300

44 Ru 102

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46 PD 104

MASS EXCESS -89.4110 +/- 0.0110 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
GAMMA	PD 104	7.0914	5.0080	10.6679	13.9417	12.5063	2.2615	11.0894	13.6563	-4.0010
		0.0163	1.0001	0.0142	0.0118	0.0125	0.0118	0.0415	0.2003	0.1105
		PD 105	AG 105	AG 106	AG 107	CD 107	CD 108	IN 110	IN 111	TE 116
		-88.4310	-87.1300	-86.9430	-88.4028	-86.9860	-89.2481	-86.4120	-88.1600	-85.4100
N		-10.0224	-5.0525	2.7835	4.4105	4.5770	-8.0717	3.1360	3.8369	-14.9824
		0.0228	0.0186	1.0001	0.0142	0.0117	0.0125	0.0171	0.0415	0.7001
	PD 103	PD 104	AG 104	AG 105	AG 106	CD 106	CD 107	IN 109	IN 110	TE 115
		-87.4600	-85.1410	-87.1300	-86.9430	-87.1281	-86.9860	-86.5300	-86.4120	-82.5000
P		-8.6856	-1.6835	4.8669	8.1570	5.1743	-5.8724	5.9374	8.5497	-9.6990
		0.0119	0.0125	0.0163	0.0125	0.0142	0.0118	0.0136	0.0116	0.0237
	RH 103	RH 104	PD 104	PD 105	PD 106	AG 106	AG 107	CD 109	CD 110	SB 115
		-88.0144	-86.9450	-88.4310	-89.9070	-86.9430	-88.4028	-88.5490	-90.3424	-87.0010
D		-15.7729	-6.4611	-7.7979	0.8340	-0.4856	-13.1792	0.7896	0.9094	-18.2569
		0.0136	0.0119	0.0228	0.0163	1.0001	0.0142	0.0118	0.0136	0.2003
	RH 103	RH 103	PD 103	PD 104	PD 105	AG 105	AG 106	CD 108	CD 109	SB 114
		-86.7740	-88.0144	-87.4600	-88.4310	-87.1300	-86.9430	-89.2481	-88.5490	-84.2900
T		-16.9679	-9.5155	-9.1490	-3.7650	-4.2886	-14.8062	-3.2865	-0.2055	-20.5149
		0.0211	0.0136	0.0149	0.0228	0.0186	1.0001	0.0126	0.0118	0.0444
	RH 101	RH 102	PD 102	PD 103	PD 104	AG 104	AG 105	CD 107	CD 108	SB 113
		-87.3930	-86.7740	-87.9230	-87.4600	-85.1410	-87.1300	-86.9860	-89.2481	-83.8460
HE3		-16.3891	-7.1730	-10.2793	-3.1920	-2.4474	-13.4866	-1.8511	-1.8280	-16.0263
		0.0114	0.0118	0.0136	0.0119	0.0125	0.0163	0.0118	0.0136	0.0202
	RU 101	RU 102	RH 102	RH 103	RH 104	PD 104	PD 105	AG 107	AG 108	SN 113
		-87.9532	-89.0979	-86.7740	-88.0144	-86.9450	-88.4310	-88.4028	-87.6070	-88.3160
HE4		-2.6170	4.1889	2.8462	8.0742	11.1286	10.5556	9.1957	11.4743	-3.1917
		0.0120	0.0114	0.0211	0.0136	0.0119	0.0228	0.0143	0.0118	0.0142
	RU 100	RU 101	RH 101	RH 102	RH 103	PD 103	PD 104	AG 106	AG 107	SN 112
		-89.2187	-87.9532	-87.3930	-86.7740	-88.0144	-87.4600	-86.9430	-88.4028	-88.6440
HE6		-18.7877	-11.3188	-14.2012	-8.2943	-4.6663	-6.6739	-16.6614	-7.7798	-4.9719
		0.0124	0.0124	0.0232	0.0240	0.0215	0.0258	0.0154	0.0191	1.0001
	RU 98	RU 99	RH 99	RH 100	RH 101	PD 101	PD 102	AG 104	AG 105	MASS
		-88.2215	-87.6190	-85.5190	-85.5790	-87.3930	-85.4040	-87.9230	-85.1410	-87.1300
LI6		-16.9794	-8.1010	-8.5914	-1.1448	-0.5962	-1.1751	-14.3006	-0.1611	-17.0874
		0.2003	0.0121	0.0118	0.0121	0.0115	0.0211	0.0137	0.0164	0.0415
	TC 98	TC 99	RU 99	RU 100	RU 101	RH 101	RH 102	PD 104	PD 105	IN 110
		-86.5200	-87.3270	-87.6190	-89.2187	-87.9532	-87.3930	-86.7740	-88.4310	-86.4120

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46 PD 104

46 PD 106

MASS EXCESS -89.9070 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12	
OUTGOING											
GAMMA	PD 106	6.5323	5.7848	10.8359	13.7604	13.5733	2.8602	12.1654	14.3393	-2.2470	
		0.0074	0.0073	0.0100	0.0077	0.0100	0.0070	0.0109	0.0101	1.0000	
		PD 107	AG 107	AG 108	AG 109	CD 109	CD 110	IN 112	IN 113	TE 118	
		-88.3679	-88.4028	-87.6070	-88.7174	-88.5490	-90.3424	-87.9840	-89.3390	-87.6600	
N	PD 105	-9.5474	-3.7464	3.5603	4.5785	6.2010	-7.0047	4.2700	4.9129	-12.9084	
		0.0134	0.0108	0.0073	0.0100	0.0073	0.0100	0.2001	0.0109	0.0603	
		PD 106	AG 106	AG 107	AG 108	CD 108	CD 109	IN 111	IN 112	TE 117	
		-88.4310	-86.9430	-88.4028	-87.6070	-89.2481	-88.5490	-88.1600	-87.9840	-85.0700	
P	RH 105	-9.3300	-2.7575	4.3078	7.2780	5.3424	-6.0538	6.1388	8.2859	-8.6240	
		0.0134	0.0125	0.0074	0.0100	0.0100	0.0077	0.0071	0.0068	0.0306	
		RH 106	PD 106	PD 107	PD 108	AG 108	AG 109	CD 111	CD 112	SB 117	
		-87.8660	-86.3670	-88.3679	-89.5240	-87.6070	-88.7174	-89.2464	-90.5746	-88.5720	
D	RH 104	-16.0979	-7.1055	-7.3229	0.2749	0.2912	-13.0112	1.3879	1.1108	-16.0729	
		0.0085	0.0134	0.0134	0.0074	0.0073	0.0100	0.0070	0.0071	0.0504	
		RH 105	RH 105	PD 105	PD 106	PD 107	AG 107	AG 108	CD 110	CD 111	SB 116
		-86.9450	-87.8660	-88.4310	-88.3679	-88.4028	-87.6070	-90.3424	-89.2464	-86.9700	
T	RH 103	-16.8425	-9.8405	-8.1570	-3.2900	-2.9826	-14.0294	-2.2195	0.3928	-17.8559	
		0.0075	0.0085	0.0125	0.0134	0.0108	0.0073	0.0101	0.0070	0.0218	
		RH 104	RH 104	PD 104	PD 105	PD 106	AG 106	AG 107	CD 109	CD 110	SB 115
		-88.0144	-86.9450	-89.4110	-88.4310	-86.9430	-88.4028	-88.5490	-90.3424	-87.0010	
HE3	RU 103	-17.5643	-8.6770	-10.6043	-3.8364	-3.5214	-14.0457	-2.0325	-2.4610	-14.8073	
		0.0199	0.0077	0.0085	0.0134	0.0125	0.0074	0.0078	0.0093	0.0092	
		RH 104	RH 104	RH 105	RH 106	RH 106	PD 106	PD 107	AG 109	AG 110	SN 115
		-87.2740	-88.0899	-86.9450	-87.8660	-86.3670	-88.3679	-88.7174	-87.4700	-90.0310	
HE4	RU 102	-3.2338	3.0137	2.9716	7.7492	10.4842	11.0306	9.3637	11.2930	-1.7667	
		0.0075	0.0199	0.0075	0.0085	0.0134	0.0134	0.0134	0.0101	0.0078	0.0100
		RH 103	RH 103	RH 103	RH 104	RH 105	PD 105	PD 106	AG 108	AG 109	SN 114
		-89.0979	-87.2740	-88.0144	-86.9450	-87.8660	-88.4310	-87.6070	-88.7174	-90.5650	
HE6	RU 100	-18.2865	-11.4806	-12.8232	-7.5953	-4.5408	-5.1139	-15.6694	-6.4738	-4.1951	
		0.0087	0.0078	0.0194	0.0108	0.0085	0.0213	0.0132	0.0116	0.0084	0.0115
		RH 101	RH 101	RH 101	RH 102	RH 103	PD 103	PD 104	AG 106	AG 107	SN 112
		-89.2187	-87.9532	-87.3930	-86.7740	-88.0144	-87.4600	-89.4110	-86.9430	-88.4028	-88.6440
LI6	TC 100	-18.1454	-9.6000	-8.7532	-1.7616	-1.7714	-1.0497	-14.6256	-0.7202	-16.0114	
		0.0603	0.0257	0.0068	0.0075	0.0200	0.0076	0.0086	0.0075	0.0109	
		RU 101	RU 101	RU 101	RU 102	RU 103	RH 103	RH 104	PD 106	PD 107	IN 112
		-85.8500	-86.3240	-87.9532	-89.0979	-87.2740	-88.0144	-86.9450	-88.3679	-87.9840	

46 PD 108

MASS EXCESS -89.5240 +/- 0.0080 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.1494	6.4824	11.0819	13.6220	14.6537	3.4754	13.1494	14.9253	-0.1240
			0.0094	0.0093	0.0106	0.0136	0.0088	0.0086	0.0114	0.0114	0.0153
GAMMA	PD 108	PD 109	AG 109	AG 110	AG 111	CD 111	CD 112	IN 114	IN 115	TE 120	
		-87.6020	-88.7174	-87.4700	-88.1960	-89.2464	-90.5746	-88.5850	-89.5420	-89.4000	
		-9.2275	-2.6994	4.2579	4.8245	7.6783	-5.9243	5.8320	5.8969	-10.4064	
		0.0091	0.0113	0.0093	0.0106	0.0087	0.0088	0.0114	0.0114	0.0215	
N	PD 107	PD 108	AG 108	AG 109	AG 110	CD 110	CD 111	IN 113	IN 114	TE 119	
		-88.3679	-87.6070	-88.7174	-87.4700	-90.3424	-89.2464	-89.3390	-88.5850	-87.1890	
		-9.9550	-3.7415	3.9249	6.4750	5.5884	-6.1922	6.3167	8.1121	-7.3300	
		0.0408	0.6001	0.0094	0.0153	0.0106	0.0136	0.0088	0.0086	0.0215	
P	RH 107	RH 108	PD 108	PD 109	PD 110	AG 110	AG 111	CD 113	CD 114	SB 119	
		-86.8580	-85.0000	-87.6020	-88.3380	-87.4700	-88.1960	-89.0413	-90.0178	-89.4830	
		-16.2929	-7.7305	-7.0030	-0.1080	0.9888	-12.7652	2.0031	1.2887	-14.7039	
		0.0136	0.0408	0.0091	0.0094	0.0093	0.0106	0.0086	0.0088	0.0106	
D	RH 106	RH 107	PD 107	PD 108	PD 109	AG 109	AG 110	CD 112	CD 113	SB 118	
		-86.3670	-86.8580	-88.3679	-87.6020	-88.7174	-87.4700	-90.5746	-89.0413	-87.9560	
		-16.3840	-10.0355	-9.3190	-2.9701	-1.9356	-13.3318	-1.1391	1.0080	-15.9019	
		0.0093	0.0136	0.0144	0.0091	0.0113	0.0093	0.0088	0.0086	0.0310	
T	RH 105	RH 106	PD 106	PD 107	PD 108	AG 108	AG 109	CD 111	CD 112	SB 117	
		-88.0899	-86.3670	-87.8660	-88.3679	-87.6070	-88.7174	-89.2464	-90.5746	-88.5720	
		-18.4603	-10.0559	-10.7993	-4.4614	-4.5054	-14.4286	-2.1709	-2.9800	-14.0629	
		0.0179	0.0136	0.0136	0.0408	0.6001	0.0094	0.0136	0.0244	0.0086	
HE3	RU 105	RU 106	RH 106	RH 107	RH 108	PD 108	PD 109	AG 111	AG 112	SN 117	
		-85.9950	-86.3280	-86.3670	-86.8580	-85.0000	-87.6020	-88.1960	-86.5680	-90.3924	
		-7.0287	2.1177	3.4301	7.5542	9.8592	11.3505	9.6097	11.1546	-0.4260	
		0.1003	0.0179	0.0093	0.0136	0.0408	0.0091	0.0107	0.0137	0.0091	
HE4	RU 104	RU 105	RH 105	RH 106	RH 107	PD 107	PD 108	AG 110	AG 111	SN 116	
		-84.9200	-85.9950	-88.0899	-86.3670	-86.8580	-88.3679	-87.4700	-88.1960	-91.5227	
		-20.7982	-14.4508	-10.7353	-6.7123	-4.0823	-5.2459	-16.8314	-5.4268	-3.4975	-16.5572
		0.0266	1.0000	0.0100	0.0210	0.0102	0.0108	0.0150	0.0121	0.0102	0.0120
HE6	RU 102	RU 103	RH 103	RH 104	RH 105	PD 105	PD 106	AG 108	AG 109	SN 114	
		-86.3240	-84.6000	-89.0979	-87.2740	-88.0899	-86.9450	-87.8660	-87.6070	-88.7174	-90.5650
		-20.1084	-11.9410	-11.7234	-5.5565	-2.6674	-0.5912	-14.8207	-1.1031	-15.0274	
		0.0206	1.4100	1.0000	0.1003	0.0179	0.0094	0.0137	0.0096	0.0114	
LI6	TC 102	TC 103	RU 103	RU 104	RU 105	RH 105	RH 106	PD 108	PD 109	IN 114	
		-83.5040	-83.6000	-84.6000	-84.9200	-85.9950	-88.0899	-86.3670	-87.6020	-88.5850	

46 PD 108

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46 PD 110

MASS EXCESS -88.3380 +/- 0.0130 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.7434	7.1470	11.3659	13.6530	15.6346	4.1046	13.9454	15.4943	1.9530
		0.0517	0.0170	0.0264	0.0421	0.0134	0.0133	0.0273	0.0164	0.0143
GAMMA	PD 110	PD 111	AG 111	AG 112	AG 113	CD 113	CD 114	IN 116	IN 117	TE 122
		-86.0100	-88.1960	-86.5680	-87.0410	-89.0413	-90.0178	-88.1950	-88.9250	-90.2910
		-8.8074	-1.6504	4.9225	5.1085	9.0965	-4.9434	7.2210	6.6929	-8.1044
		0.0139	0.0148	0.0170	0.0264	0.0133	0.0134	0.0153	0.0273	0.0468
N	PD 109	PD 110	AG 110	AG 111	AG 112	CD 112	CD 113	IN 115	IN 116	TE 121
		-87.6020	-87.4700	-88.1960	-86.5680	-90.5746	-89.0413	-89.5420	-88.1950	-88.3050
		-10.5270	-4.7555	3.5189	5.5910	5.8723	-6.1612	6.5504	7.9926	-6.0338
		1.0001	0.5002	0.0517	0.0336	0.0264	0.0421	0.0158	0.0134	0.0133
P	RH 109	RH 110	PD 110	PD 111	PD 112	AG 112	AG 113	CD 115	CD 116	SB 121
		-85.1000	-82.8000	-86.0100	-86.2680	-86.5680	-87.0410	-88.0890	-88.7123	-89.5932
		-16.4739	-8.3025	-6.5829	-0.5140	1.6534	-12.4812	2.6323	1.5224	-13.0589
		0.6001	1.0001	0.0139	0.0517	0.0170	0.0264	0.0134	0.0159	0.0148
D	RH 108	RH 109	PD 109	PD 110	PD 111	AG 111	AG 112	CD 114	CD 115	SB 120
		-85.0000	-85.1000	-87.6020	-86.0100	-88.1960	-86.5680	-90.0178	-88.0890	-88.4150
		-16.4299	-10.2165	-6.4750	-2.5500	-0.8866	-12.6672	-0.1582	1.6372	-13.8049
		0.0421	0.6001	0.0153	0.0139	0.0148	0.0170	0.0135	0.0134	0.0239
T	RH 107	RH 108	PD 108	PD 109	PD 110	AG 110	AG 111	CD 113	CD 114	SB 119
		-86.8580	-85.0000	-89.5240	-87.6020	-87.4700	-88.1960	-89.0413	-90.0178	-89.4830
		-15.5593	-11.4979	-10.9803	-5.0334	-5.5194	-14.8346	-2.1399	-2.9420	-13.2077
		0.3003	0.6001	0.6001	1.0001	0.5002	0.0517	0.0421	0.4002	0.0134
HE3	RU 107	RU 108	RH 108	RH 109	RH 110	PD 110	PD 111	AG 113	AG 114	SN 119
		-83.7100	-83.7000	-85.0000	-85.1000	-82.8000	-86.0100	-87.0410	-85.4200	-90.0616
		-4.4347	1.0187	3.3842	7.3732	9.2872	11.7706	9.8937	11.1856	0.8893
		0.0170	0.3003	0.0421	0.6001	1.0001	0.0139	0.0264	0.0421	0.0135
HE4	RU 106	RU 107	RH 107	RH 108	RH 109	PD 109	PD 110	AG 112	AG 113	SN 118
		-86.3280	-83.7100	-86.8580	-85.0000	-85.1000	-87.6020	-86.5680	-87.0410	-91.6520
		-21.0162	-11.8698	-10.5573	-6.4333	-4.1283	-2.6370	-13.9874	-4.3778	-2.8329
		0.1009	0.0210	0.0144	0.0175	0.0422	0.0143	0.0158	0.0153	0.0175
HE6	RU 104	RU 105	RH 105	RH 106	RH 107	PD 107	PD 108	AG 110	AG 111	SN 116
		-84.9200	-85.9950	-88.0899	-86.3670	-86.8580	-88.3679	-89.5240	-87.4700	-88.1960
		-20.1864	-11.7650	-9.1424	-2.9625	-3.7664	-0.6371	-15.0016	-1.5091	-14.2314
		0.1008	0.2004	0.0206	0.0171	0.3003	0.0421	0.6001	0.0517	0.0273
LI6	TC 104	TC 105	RU 105	RU 106	RU 107	RH 107	RH 108	PD 110	PD 111	IN 116
		-82.2400	-82.5900	-85.9950	-86.3280	-83.7100	-86.8580	-85.0000	-86.0100	-88.1950

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46 PD 110

47 AG 107

MASS EXCESS -88.4028 +/- 0.0042 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.2756	8.1343	13.2821	16.8896	12.9405	2.1820	14.0016	17.0695	
		0.0090	0.0059	0.0090	0.0055	0.0402	0.2000	0.0175	0.0091	MASS
GAMMA	AG 107	AG 108	CD 108	CD 109	CD 110	IN 110	IN 111	SN 113	SN 114	I 119
		-87.6070	-89.2481	-88.5490	-90.3424	-86.4120	-88.1600	-88.3160	-90.5650	UNKNOWN
		-9.5312	-2.1992	5.9098	7.0247	4.9871	-7.6375	6.2582	6.7491	-15.7742
		0.0099	0.0073	0.0059	0.0090	0.0137	0.0402	0.0100	0.0175	1.1000
N	AG 106	AG 107	CD 107	CD 108	CD 109	IN 109	IN 110	SN 112	SN 113	I 118
		-86.9430	-86.9860	-89.2481	-88.5490	-86.5300	-86.4120	-88.6440	-88.3160	-80.7000
		-5.7848	0.7476	5.0511	7.9756	7.7886	-2.9246	6.3806	8.5545	-8.0318
		0.0073	0.0060	0.0090	0.0064	0.0090	0.0055	0.0100	0.0091	1.0000
P	PD 106	PD 107	AG 107	AG 108	AG 109	CD 109	CD 110	IN 112	IN 113	TE 118
		-89.9070	-88.3679	-87.6070	-88.7174	-88.5490	-90.3424	-87.9840	-89.3390	-87.6600
		-13.1077	-3.5603	-7.3067	1.0182	2.6407	-10.5650	0.7097	1.3526	-16.4687
		0.0127	0.0073	0.0099	0.0090	0.0059	0.0090	0.2000	0.0100	0.0601
D	PD 105	PD 106	AG 106	AG 107	AG 108	CD 108	CD 109	IN 111	IN 112	TE 117
		-88.4310	-89.9070	-86.9430	-87.6070	-89.2481	-88.5490	-88.1600	-87.9840	-85.0700
		-13.9417	-6.8503	-8.9338	-3.2738	-1.4354	-11.6799	-2.8523	-0.2854	-17.9427
		0.0118	0.0127	1.0000	0.0099	0.0073	0.0060	0.0402	0.2000	0.1101
T	PD 104	PD 105	AG 105	AG 106	AG 107	CD 107	CD 108	IN 110	IN 111	TE 116
		-89.4110	-88.4310	-87.1300	-86.9430	-86.9860	-89.2481	-86.4120	-88.1600	-85.4100
		-16.3891	-7.3967	-7.6141	-0.2912	-0.0163	-13.3024	1.0967	0.8196	-16.3641
		0.0073	0.0127	0.0127	0.0073	0.0060	0.0090	0.0056	0.0056	0.0502
HE3	RH 104	RH 105	PD 105	PD 106	PD 107	AG 107	AG 108	CD 110	CD 111	SB 116
		-86.9450	-87.8660	-88.4310	-89.9070	-88.3679	-87.6070	-90.3424	-89.2464	-86.9700
		-2.8131	4.1889	5.8724	10.7394	14.0294	11.0468	11.8099	14.4222	-3.8265
		0.0062	0.0073	0.0118	0.0127	0.0073	0.0099	0.0091	0.0056	0.0214
HE4	RH 103	RH 104	PD 104	PD 105	PD 106	AG 106	AG 107	CD 109	CD 110	SB 115
		-88.0144	-86.9450	-89.4110	-88.4310	-89.9070	-86.9430	-88.5490	-90.3424	-87.0010
		-18.6080	-11.1556	-10.7890	-5.4051	-1.6400	-5.9287	-16.4462	-4.9266	-1.8456
		0.0189	0.0099	0.0116	0.0208	0.0124	0.0161	1.0000	0.0084	0.0072
HE6	RH 101	RH 102	PD 102	PD 103	PD 104	AG 104	AG 105	CD 107	CD 108	SB 113
		-87.3930	-86.7740	-87.9230	-87.4600	-89.4110	-85.1410	-87.1300	-86.9860	-89.2481
		-14.5380	-5.3219	-8.4282	-1.3409	-0.5962	1.8511	-11.6354	0.0231	-14.1752
		0.0053	0.0062	0.0091	0.0063	0.0074	0.0118	0.0128	0.0092	0.0175
LI6	RU 101	RU 102	RH 102	RH 103	RH 104	PD 104	PD 105	AG 107	AG 108	SN 113
		-87.9532	-89.0979	-86.7740	-88.0144	-86.9450	-89.4110	-88.4310	-87.6070	-88.3160

47 Ag 107

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47 AG 109

MASS EXCESS -88.7174 +/- 0.0048 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.8240	8.9140	13.6649	16.8072	14.1979	3.0464	15.4020	17.7126	-2.7674
		0.0085	0.0059	0.0060	0.0057	0.0102	0.0093	0.0086	0.0066	0.0702
GAMMA	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121
		-87.4700	-90.3424	-89.2464	-90.5746	-87.9840	-89.3390	-90.0310	-91.5227	-85.9500
		-9.1818	-0.9508	6.6895	7.4075	6.3025	-6.3801	7.8646	8.1495	-12.7888
		0.0093	0.0093	0.0059	0.0060	0.2001	0.0102	0.0094	0.0086	1.0000
N	AG 108	AG 109	CD 109	CD 110	CD 111	IN 111	IN 112	SN 114	SN 115	I 120
		-87.6070	-88.5490	-90.3424	-89.2464	-88.1600	-87.9840	-90.5650	-90.0310	-84.0000
		-6.4824	-0.3329	4.5995	7.1396	8.1714	-3.0070	6.6670	8.4429	-6.6064
		0.0093	0.0069	0.0085	0.0120	0.0060	0.0057	0.0094	0.0094	0.0139
P	PD 108	PD 109	AG 109	AG 110	AG 111	CD 111	CD 112	IN 114	IN 115	TE 120
		-89.5240	-87.6020	-87.4700	-88.1960	-89.2464	-90.5746	-88.5850	-89.5420	-89.4000
		-13.4854	-4.2579	-6.9573	0.5666	3.4204	-10.1822	1.5741	1.6390	-14.6643
		0.0064	0.0093	0.0093	0.0085	0.0059	0.0060	0.0094	0.0094	0.0206
D	PD 107	PD 108	AG 108	AG 109	AG 110	CD 110	CD 111	IN 113	IN 114	TE 119
		-88.3679	-89.5240	-87.6070	-87.4700	-90.3424	-89.2464	-89.3390	-88.5850	-87.1890
		-15.8013	-7.2280	-6.4714	-2.9244	-0.1870	-10.9002	-1.5949	0.5790	-16.0073
		0.0129	0.0064	0.0077	0.0093	0.0093	0.0060	0.0103	0.0094	1.0000
T	PD 106	PD 107	AG 107	AG 108	AG 109	CD 109	CD 110	IN 112	IN 113	TE 118
		-87.8660	-88.3679	-89.9070	-87.6070	-88.5490	-90.3424	-87.9840	-89.3390	-87.6600
		-17.2817	-8.7193	-7.9918	-0.9888	-1.0968	-13.7540	1.0143	0.2999	-15.6927
		0.0120	0.0403	0.0064	0.0093	0.0069	0.0085	0.0058	0.0060	0.0085
HE3	RH 106	RH 107	PD 107	PD 108	PD 109	AG 109	AG 110	CD 112	CD 113	SB 118
		-86.3670	-86.8580	-88.3679	-89.5240	-87.6020	-87.4700	-90.5746	-89.0413	-87.9560
		-3.0522	3.2963	4.0128	10.3617	13.3318	11.3962	12.1927	14.3398	-2.5701
		0.0068	0.0120	0.0129	0.0065	0.0093	0.0093	0.0061	0.0058	0.0304
HE4	RH 105	RH 106	PD 106	PD 107	PD 108	AG 108	AG 109	CD 111	CD 112	SB 117
		-88.0899	-86.3670	-87.8660	-88.3679	-89.5240	-87.6070	-89.2464	-90.5746	-88.5720
		-17.2177	-10.9702	-11.0122	-6.2347	-3.4996	-2.9533	-13.9838	-3.6782	-19.3146
		0.0076	0.0200	0.0077	0.0087	0.0135	0.0087	0.0102	0.0072	0.0219
HE6	RH 103	RH 104	PD 104	PD 105	PD 106	AG 106	AG 107	CD 109	CD 110	SB 115
		-89.0979	-87.2740	-88.0144	-86.9450	-87.8660	-88.4310	-89.9070	-88.5490	-90.3424
		-18.2058	-9.8144	-8.2428	-1.5800	-1.4888	-0.0085	-12.0131	-0.4285	-12.7748
		1.0000	0.1001	0.0196	0.0069	0.0121	0.0130	0.0065	0.0086	0.0086
LI6	RU 103	RU 104	RH 104	RH 105	RH 106	PD 106	PD 107	AG 109	AG 110	SN 115
		-84.6000	-84.9200	-87.2740	-88.0899	-86.3670	-87.8660	-88.3679	-87.4700	-90.0310

48 CD 106

MASS EXCESS -87.1281 +/- 0.0039 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2		
OUTGOING												
		7.9293	3.6609	10.7378	14.3518				11.6252			
		0.0072	0.1501	0.0502	0.0136	MASS	MASS	MASS	0.0432	MASS		
GAMMA	CD 106	CD 107	IN 107	IN 108	IN 109	SN 109	SN 110	SB 112	SB 113	XE 118		
		-86.9860	-83.5000	-84.7300	-86.5300	UNKNOWN	UNKNOWN	UNKNOWN	-83.8460	UNKNOWN		
			-7.2806	1.4364	4.4804							
			0.3000	0.1501	0.0502	MASS	MASS	MASS	MASS	MASS		
N	CD 105	CD 106	IN 106	IN 107	IN 108	SN 108	SN 109	SB 111	SB 112	XE 117		
			-80.6300	-83.5000	-84.7300	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		
			-7.2871	0.5974	5.7048	5.2442	-5.4623	5.3113	9.1342			
			1.0000	0.0098	0.0072	0.0502	0.0136	0.2000	0.0099	MASS		
P	AG 105	AG 106	CD 106	CD 107	CD 108	IN 108	IN 109	SN 111	SN 112	I 117		
			-87.1300	-86.9430	-86.9860	-89.2481	-84.7300	-86.5300	-85.6400	-88.6440	UNKNOWN	
			-15.1230	-5.0626	-8.6450	1.6719	-1.8327	-13.1093	0.2833	MASS		
			0.0155	1.0000	1.4100	0.0072	0.1501	0.0502	0.2000	MASS		
D	AG 104	AG 105	CD 105	CD 106	CD 107	IN 107	IN 108	SN 110	SN 111	I 116		
			-85.1410	-87.1300	-84.3300	-86.9860	-83.5000	-84.7300	UNKNOWN	-85.6400	UNKNOWN	
			-17.2080	-8.8656	-10.8491	-4.6121	-6.5167	-16.1533		MASS		
			0.1001	0.0155	1.0000	1.4100	0.3000	0.1501	MASS	MASS		
T	AG 103	AG 104	CD 104	CD 105	CD 106	IN 106	IN 107	SN 109	SN 110	I 115		
			-84.8700	-85.1410	-83.9400	-84.3300	-80.6300	-83.5000	UNKNOWN	UNKNOWN	UNKNOWN	
			-14.5994	-4.5770	-9.6294	-1.7935	-0.1665	-12.6487	-1.4410	-0.7401	-19.5594	
			0.0204	0.0117	0.0155	1.0000	0.0098	0.0072	0.0136	0.0402	0.7000	
HE3	PD 103	PD 104	AG 104	AG 105	AG 106	CD 106	CD 107	IN 109	IN 110	TE 115		
			-87.4600	-89.4110	-85.1410	-87.1300	-86.9430	-86.9860	-86.5300	-86.4120	-82.5000	
			-1.6298	5.9786	2.6061	8.7241	12.5271	9.7085	9.2656	11.8844		
			0.0107	0.0204	0.1001	0.0155	1.0000	1.4100	0.0502	0.0136	MASS	
HE4	PD 102	PD 103	AG 103	AG 104	AG 105	CD 105	CD 106	IN 108	IN 109	TE 114		
			-87.9230	-87.4600	-84.8700	-85.1410	-87.1300	-84.3300	-84.7300	-86.5300	UNKNOWN	
			-19.7463	-11.2509		-8.9704	-4.9064	-18.3616	-10.0079	-6.3190		
			1.0000	0.0237	MASS	1.0000	0.1002	MASS	1.0000	0.3001	MASS	
HE6	PD 100	PD 101	AG 101	AG 102	AG 103	CD 103	CD 104	IN 106	IN 107	TE 112		
			-84.9800	-85.4040	UNKNOWN	-82.6200	-84.8700	UNKNOWN	-83.9400	-80.6300	-83.5000	UNKNOWN
			-15.6375	-5.7521	-8.5235	-0.1576	1.1934	-1.4152	-13.6508	0.6768		
			0.0214	0.0185	0.0234	0.0108	0.0204	0.1001	0.0155	0.0073	MASS	
LI6	RH 100	RH 101	PD 101	PD 102	PD 103	AG 103	AG 104	CD 106	CD 107	SB 112		
			-85.5790	-87.3930	-85.4040	-87.9230	-87.4600	-84.8700	-85.1410	-86.9860	UNKNOWN	

48 CD 106

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48 CD 108

MASS EXCESS -89.2481 +/- 0.0042 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.3723	4.5709	10.2998	13.8618	11.3232	1.8207	9.1303	12.6602	
		0.0090	0.0137	0.0402	0.2000	0.2000	0.0099	0.2000	0.0214	MASS
GAMMA	CD 108	CD 109	IN 109	IN 110	IN 111	SN 111	SN 112	SB 114	SB 115	XE 120
		-88.5490	-86.5300	-86.4120	-88.1600	-85.6400	-88.6440	-84.2900	-87.0010	UNKNQWN
		-10.3335	-5.3006	2.3464	4.0424		-9.2548	0.6149	1.8778	
		0.0073	0.0502	0.0137	0.0402	MASS	0.2000	0.0432	0.2000	MASS
N	CD 107	CD 108	IN 108	IN 109	IN 110	SN 110	SN 111	SB 113	SB 114	XE 119
		-86.9860	-84.7300	-86.5300	-86.4120	UNKNOWN	-85.6400	-83.8460	-84.2900	UNKNOWN
		-8.1343	-0.8586	5.1478	8.7553	4.8062	-5.9523	5.8673	8.9352	
		0.0059	0.0090	0.0090	0.0055	0.0402	0.2000	0.0175	0.0091	MASS
P	AG 107	AG 108	CD 108	CD 109	CD 110	IN 110	IN 111	SN 113	SN 114	I 119
		-88.4028	-87.6070	-88.5490	-90.3424	-86.4120	-88.1600	-88.3160	-90.5650	UNKNOWN
		-15.4410	-5.9098	-8.1090	1.1149	-0.9227	-13.5473	0.3484	0.8393	-21.6840
		0.0099	0.0059	0.0073	0.0090	0.0137	0.0402	0.0100	0.0175	1.1000
D	AG 106	AG 107	CD 107	CD 108	CD 109	IN 109	IN 110	SN 112	SN 113	I 118
		-86.9430	-88.4028	-86.9860	-88.5490	-86.5300	-86.4120	-88.6440	-88.3160	-80.7000
		-17.0680	-9.1836	-9.7810	-4.0761	-4.5367	-15.2433	-4.4696	-0.6467	
		1.0000	0.0099	0.0057	0.0073	0.0502	0.0137	0.2000	0.0100	MASS
T	AG 105	AG 106	CD 106	CD 107	CD 108	IN 108	IN 109	SN 111	SN 112	I 117
		-87.1300	-86.9430	-87.1281	-86.9860	-84.7300	-86.5300	-85.6400	-88.6440	UNKNQWN
		-15.7484	-6.2010	-9.9474	-2.6407	-1.6225	-13.2057	-1.9310	-1.2881	-19.1094
		0.0127	0.0073	0.0099	0.0059	0.0090	0.0090	0.2000	0.0100	0.0601
HE3	PD 105	PD 106	AG 106	AG 107	AG 108	CD 108	CD 109	IN 111	IN 112	TE 117
		-88.4310	-89.9070	-86.9430	-88.4028	-87.6070	-88.5490	-88.1600	-87.9840	-85.0700
		-2.2618	4.8296	2.7461	8.4061	11.6799	10.2445	8.8276	11.3945	-6.2628
		0.0118	0.0127	1.0000	0.0099	0.0060	0.0073	0.0402	0.2000	0.1101
HE4	PD 104	PD 105	AG 105	AG 106	AG 107	CD 107	CD 108	IN 110	IN 111	TE 116
		-89.4110	-88.4310	-87.1300	-86.9430	-88.4028	-86.9860	-86.4120	-88.1600	-85.4100
		-18.9233	-11.3149	-14.6873	-8.5694	-4.7663	-7.5850	-17.2934	-8.0279	-5.4090
		0.0116	0.0208	0.1002	0.0161	1.0000	1.4100	0.0070	0.0503	0.0143
HE6	PD 102	PD 103	AG 103	AG 104	AG 105	CD 105	CD 106	IN 108	IN 109	MASS
		-87.9230	-87.4600	-84.8700	-85.1410	-87.1300	-84.3300	-87.1281	-84.7300	-86.5300
		-16.5625	-7.2507	-8.5875	-0.7896	0.0444	-1.2752	-13.9688	0.1198	-19.0465
		0.0091	0.0063	0.0205	0.0118	0.0128	1.0000	0.0100	0.0092	0.2000
LI6	RH 102	RH 103	PD 103	PD 104	PD 105	AG 105	AG 106	CD 108	CD 109	SB 114
		-86.7740	-88.0144	-87.4600	-89.4110	-88.4310	-87.1300	-86.9430	-88.5490	-84.2900

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48 CD 108

48 CD 110

MASS EXCESS -90.3424 +/- 0.0035 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.9754	5.1066	10.7775	13.9466	12.9049	2.6474	10.7160	13.1369	
		0.0050	0.2000	0.0097	0.0087	0.0174	0.0087	0.0501	0.0302	MASS
GAMMA	CD 110	CD 111	IN 111	IN 112	IN 113	SN 113	SN 114	SB 116	SB 117	XE 122
		-89.2464	-88.1600	-87.9840	-89.3390	-88.3160	-90.5650	-86.9700	-88.5720	UNKNOWN
		-9.8648	-4.7128	2.8821	4.5201	5.1615	-7.6731	2.6756	3.4635	-16.2538
		0.0087	0.0402	0.2000	0.0097	0.0097	0.0174	0.0213	0.0501	0.1201
N	CD 109	CD 110	IN 110	IN 111	IN 112	SN 112	SN 113	SB 115	SB 116	XE 121
		-88.5490	-86.4120	-88.1600	-87.9840	-88.6440	-88.3160	-87.0010	-86.9700	-82.1600
		-8.9140	-2.0899	4.7509	7.8932	5.2840	-5.8676	6.4880	8.7986	-11.6814
		0.0059	0.0078	0.0050	0.0046	0.0097	0.0087	0.0079	0.0057	0.0701
P	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121
		-88.7174	-87.4700	-89.2464	-90.5746	-87.9840	-89.3390	-90.0310	-91.5227	-85.9500
		-15.8713	-6.6895	-7.6403	0.7180	-0.3870	-13.0696	1.1751	1.4600	-19.4783
		0.0087	0.0059	0.0087	0.0050	0.2000	0.0097	0.0088	0.0079	1.0000
D	AG 108	AG 109	CD 109	CD 110	CD 111	IN 111	IN 112	SN 114	SN 115	I 120
		-87.6070	-88.7174	-88.5490	-89.2464	-88.1600	-87.9840	-90.5650	-90.0310	-84.0000
		-15.3853	-9.6139	-9.6006	-3.6074	-3.9490	-14.7076	-2.8879	0.1800	
		0.0069	0.0087	0.0055	0.0087	0.0402	0.2000	0.0174	0.0088	MASS
T	AG 107	AG 108	CD 108	CD 109	CD 110	IN 110	IN 111	SN 113	SN 114	I 119
		-89.9070	-87.6070	-88.4028	-88.5490	-86.4120	-88.1600	-88.3160	-90.5650	UNKNOWN
		-16.9058	-7.6783	-10.3777	-3.4204	-2.8538	-13.6026	-1.8463	-1.7814	-18.0847
		0.0055	0.0087	0.0087	0.0059	0.0078	0.0050	0.0088	0.0088	0.0203
HE3	PD 107	PD 108	AG 108	AG 109	AG 110	CD 110	CD 111	IN 113	IN 114	TE 119
		-88.3679	-89.5240	-87.6070	-88.7174	-87.4700	-89.2464	-89.3390	-88.5850	-87.1890
		-4.9011	3.6722	4.4288	7.9758	10.9002	10.7132	9.3053	11.4792	-5.1071
		0.0125	0.0056	0.0070	0.0087	0.0060	0.0087	0.0097	0.0088	1.0000
HE4	PD 106	PD 107	AG 107	AG 108	AG 109	CD 109	CD 110	IN 112	IN 113	TE 118
		-87.8660	-88.3679	-89.9070	-87.6070	-88.7174	-88.5490	-87.9840	-89.3390	-87.6600
		-19.9262	-12.9242	-11.2406	-6.3737	-3.0836	-6.0663	-17.1130	-7.4402	-4.8733
		0.0070	0.0080	0.0122	0.0131	0.0080	0.0105	0.0068	0.0404	0.2001
HE6	PD 104	PD 105	AG 105	AG 106	AG 107	CD 107	CD 108	IN 110	IN 111	TE 116
		-88.0144	-86.9450	-89.4110	-88.4310	-89.9070	-86.9430	-88.4028	-86.4120	-88.1600
		-17.1568	-8.2695	-10.1968	-3.4289	-1.1129	0.4075	-14.3990	-0.2771	-17.4608
		0.0194	0.0060	0.0070	0.0125	0.0057	0.0070	0.0088	0.0053	0.0501
LI6	RH 104	RH 105	PD 105	PD 106	PD 107	AG 107	AG 108	CD 110	CD 111	SB 116
		-87.2740	-88.0899	-86.9450	-87.8660	-88.3679	-89.9070	-87.6070	-89.2464	-86.9700

48 CD 110

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48 CD 111

MASS EXCESS -89.2464 +/- 0.0036 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		9.3996	6.0266	13.2285	14.2886	16.2499	3.2094	13.4140	13.6169	-4.2364
		0.0047	0.0097	0.0088	0.0088	0.0088	0.0079	0.0302	0.0079	1.0100
GAMMA	CD 111	CD 112	IN 112	IN 113	IN 114	SN 114	SN 115	SB 117	SB 118	XE 123
		-90.5746	-87.9840	-89.3390	-88.5850	-90.5650	-90.0310	-88.5720	-87.9560	-85.0100
		-6.9754	-1.8688	3.8021	6.9711	5.9295	-4.3281	3.7406	6.1615	
		0.0050	0.2000	0.0097	0.0088	0.0174	0.0088	0.0501	0.0302	MASS
N	CD 110	CD 111	IN 111	IN 112	IN 113	SN 113	SN 114	SB 116	SB 117	XE 122
		-90.3424	-88.1600	-87.9840	-89.3390	-88.3160	-90.5650	-86.9700	-88.5720	UNKNOWN
		-9.0654	-0.2679	7.1751	7.4559	7.7350	-5.5256	9.0757	8.7643	-10.3844
		0.0079	0.0116	0.0047	0.0050	0.0088	0.0088	0.0058	0.0049	0.0402
P	AG 110	AG 111	CD 111	CD 112	CD 113	IN 113	IN 114	SN 116	SN 117	I 122
		-87.4700	-88.1960	-90.5746	-89.0413	-89.3390	-88.5850	-91.5227	-90.3924	-86.1510
		-13.6649	-6.8409	-4.7509	3.1422	0.5330	-10.6186	1.7371	4.0477	-16.4323
		0.0060	0.0079	0.0050	0.0047	0.0097	0.0088	0.0079	0.0058	0.0701
D	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121
		-88.7174	-87.4700	-90.3424	-90.5746	-87.9840	-89.3390	-90.0310	-91.5227	-85.9500
		-16.5893	-7.4075	-8.3584	-0.7180	-1.1050	-13.7876	0.4571	0.7420	-20.1963
		0.0088	0.0060	0.0088	0.0050	0.2000	0.0097	0.0088	0.0080	1.0000
T	AG 108	AG 109	CD 109	CD 110	CD 111	IN 111	IN 112	SN 114	SN 115	I 120
		-87.6070	-88.7174	-88.5490	-90.3424	-88.1600	-87.9840	-90.5650	-90.0310	-84.0000
		-14.6537	-8.5043	-8.1713	-3.5718	-1.0318	-11.1784	-1.5043	0.2716	-14.7777
		0.0088	0.0062	0.0060	0.0079	0.0116	0.0047	0.0088	0.0088	0.0135
HE3	PD 109	PD 109	AG 109	AG 110	AG 111	CD 111	CD 112	IN 114	IN 115	TE 120
		-89.5240	-87.6020	-88.7174	-87.4700	-88.1960	-90.5746	-88.5850	-89.5420	-89.4000
		-3.3032	5.9243	3.2248	10.1822	10.7488	13.6026	11.7563	11.8212	-4.4821
		0.0056	0.0088	0.0088	0.0060	0.0079	0.0050	0.0088	0.0088	0.0203
HE4	PD 107	PD 108	AG 108	AG 109	AG 110	CD 110	CD 111	IN 113	IN 114	TE 119
		-88.3679	-89.5240	-87.6070	-88.7174	-87.4700	-90.3424	-89.3390	-88.5850	-87.1890
		-19.8996	-10.9072	-11.1246	-3.8017	-4.2876	-3.5105	-15.8708	-4.5962	-3.9533
		0.0081	0.0132	0.0132	0.0081	0.0096	0.0068	0.0096	0.2001	0.0105
HE6	PD 105	PD 106	AG 106	AG 107	AG 108	CD 108	CD 109	IN 111	IN 112	TE 117
		-86.9450	-87.8660	-88.4310	-89.9070	-87.6070	-88.4028	-88.5490	-88.1600	-87.9840
		-15.2449	-8.8964	-8.1798	-1.8310	1.1392	-0.7965	-12.1926	2.1471	-14.7628
		0.0061	0.0116	0.0126	0.0057	0.0088	-0.0088	0.0061	0.0049	0.0302
LI6	RH 105	RH 106	PD 106	PD 107	PD 108	AG 108	AG 109	CD 111	CD 112	SB 117
		-88.0899	-86.3670	-87.8660	-88.3679	-89.5240	-87.6070	-88.7174	-90.5746	-88.5720

48 CD 112

MASS EXCESS -90.5746 +/- 0.0030 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.5381	6.0534	11.1463	13.9173	14.3877	3.3729	11.4698	13.8157	-3.1246
		0.0045	0.0085	0.0085	0.0085	0.0076	0.0053	0.0077	0.0203	0.1400
GAMMA	CD 112	CD 113	IN 113	IN 114	IN 115	SN 115	SN 116	SB 118	SB 119	XE 124
		-89.0413	-89.3390	-88.5850	-89.5420	-90.0310	-91.5227	-87.9560	-89.4830	-87.4500
		-9.3996	-3.3730	3.8289	4.8889	6.8503	-6.1903	4.0144	4.2173	-13.6360
		0.0047	0.0095	0.0085	0.0085	0.0085	0.0076	0.0302	0.0077	1.0100
N	CD 111	CD 112	IN 112	IN 113	IN 114	SN 114	SN 115	SB 117	SB 118	XE 123
		-89.2464	-87.9840	-89.3390	-88.5850	-90.5650	-90.0310	-88.5720	-87.9560	-85.0100
		-9.6676	-3.2241	4.3136	7.1042	5.6528	-5.8968	6.6172	8.6957	-10.0536
		0.0114	0.0232	0.0045	0.0042	0.0085	0.0086	0.0045	0.0050	1.0000
P	AG 111	AG 112	CD 112	CD 113	CD 114	IN 114	IN 115	SN 117	SN 118	I 123
		-88.1960	-86.5680	-89.0413	-90.0178	-88.5850	-89.5420	-90.3924	-91.6520	-87.8100
		-16.2405	-7.4431	-7.1751	0.2807	0.5598	-12.7008	1.9006	1.5892	-17.5595
		0.0076	0.0114	0.0047	0.0045	0.0085	0.0086	0.0054	0.0045	0.0401
D	AG 110	AG 111	CD 111	CD 112	CD 113	IN 113	IN 114	SN 116	SN 117	I 122
		-87.4700	-88.1960	-89.2464	-89.0413	-89.3390	-88.5850	-91.5227	-90.3924	-86.1510
		-16.8071	-9.9831	-7.8932	-3.1422	-2.6092	-13.7608	-1.4051	0.9055	-19.5745
		0.0057	0.0076	0.0046	0.0047	0.0095	0.0086	0.0077	0.0054	0.0701
T	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121
		-88.7174	-87.4700	-90.3424	-89.2464	-87.9840	-89.3390	-90.0310	-91.5227	-85.9500
		-17.9039	-9.0965	-10.7469	-4.1740	-3.9880	-14.0399	-1.8755	-2.4036	-17.2009
		0.0058	0.0133	0.0076	0.0114	0.0232	0.0046	0.0086	0.0242	0.0451
HE3	PD 109	PD 110	AG 110	AG 111	AG 112	CD 112	CD 113	IN 115	IN 116	TE 121
		-87.6020	-88.3380	-87.4700	-88.1960	-86.5680	-89.0413	-89.5420	-88.1950	-88.3050
		-3.4753	2.6741	3.0070	7.6066	10.1466	11.1784	9.6741	11.4500	-3.5993
		0.0086	0.0058	0.0057	0.0076	0.0114	0.0047	0.0086	0.0086	0.0133
HE4	PD 108	PD 109	AG 109	AG 110	AG 111	CD 111	CD 112	IN 114	IN 115	TE 120
		-89.5240	-87.6020	-88.7174	-87.4700	-88.1960	-89.2464	-88.5850	-89.5420	-89.4000
		-20.3068	-11.7335	-10.9768	-7.4299	-4.5055	-4.6925	-15.4057	-6.1004	-3.9265
		0.0130	0.0066	0.0078	0.0094	0.0069	0.0094	0.0061	0.0104	1.0000
HE6	PD 106	PD 107	AG 107	AG 108	AG 109	CD 109	CD 110	IN 112	IN 113	TE 118
		-87.8660	-88.3679	-89.9070	-87.6070	-88.7174	-88.5490	-90.3424	-87.9840	-89.3390
		-18.2960	-9.7336	-9.0061	-2.0031	-2.1110	-1.0143	-14.7682	-0.7144	-16.7070
		0.0115	0.0401	0.0054	0.0086	0.0059	0.0058	0.0077	0.0048	0.0077
LI6	RH 106	RH 107	PD 107	PD 108	PD 109	AG 109	AG 110	CD 112	CD 113	SB 118
		-86.3670	-86.8580	-88.3679	-89.5240	-87.6020	-88.7174	-87.4700	-89.0413	-87.9560

48 CD 112

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48 CD 113

MASS EXCESS -89.0413 +/- 0.0034 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		9.0479	6.8327	13.6366	14.1037	17.4127	3.7759	14.5301	14.2810	-2.0613
		0.0045	0.0087	0.0087	0.0242	0.0056	0.0047	0.0203	0.0079	1.0000
GAMMA	CD 113	CD 114	IN 114	IN 115	IN 116	SN 116	SN 117	SB 119	SB 120	XE 125
		-90.0178	-88.5850	-89.5420	-88.1950	-91.5227	-90.3924	-89.4830	-88.4150	-86.9800
		-6.5381	-0.4847	4.6082	7.3792	7.8496	-3.1653	4.9317	7.2776	-9.6627
		0.0045	0.0087	0.0087	0.0087	0.0078	0.0056	0.0079	0.0203	0.1400
N	CD 112	CD 113	IN 113	IN 114	IN 115	SN 115	SN 116	SB 118	SB 119	XE 124
		-90.5746	-89.3390	-88.5850	-89.5420	-90.0310	-91.5227	-87.9560	-89.4830	-87.4500
		-9.7623	-1.2178	6.8234	6.7087	8.1431	-5.7105	9.4101	8.6386	-9.0003
		0.0233	0.0401	0.0045	0.0096	0.0087	0.0242	0.0052	0.0047	0.0302
P	AG 112	AG 113	CD 113	CD 114	CD 115	IN 115	IN 116	SN 118	SN 119	I 124
		-86.5680	-87.0410	-90.0178	-88.0890	-89.5420	-88.1950	-91.6520	-90.0616	-87.3300
		-13.9812	-7.5378	-4.3136	2.7905	1.3391	-10.2105	2.3036	4.3821	-14.3672
		0.0115	0.0233	0.0045	0.0045	0.0087	0.0087	0.0048	0.0052	1.0000
D	AG 111	AG 112	CD 112	CD 113	CD 114	IN 114	IN 115	SN 117	SN 118	I 123
		-88.1960	-86.5680	-90.5746	-90.0178	-88.5850	-89.5420	-90.3924	-91.6520	-87.8100
		-16.5212	-7.7238	-7.4559	-0.2807	0.2791	-12.9815	1.6199	1.3085	-17.8402
		0.0078	0.0115	0.0050	0.0045	0.0087	0.0087	0.0057	0.0048	0.0401
T	AG 110	AG 111	CD 111	CD 112	CD 113	IN 113	IN 114	SN 116	SN 117	I 122
		-87.4700	-88.1960	-89.2464	-90.5746	-89.3390	-88.5850	-91.5227	-90.3924	-86.1510
		-15.6346	-9.8912	-8.4876	-4.2687	-1.9817	-11.5301	-1.6892	-0.1403	-13.6816
		0.0134	0.0501	0.0115	0.0233	0.0401	0.0045	0.0243	0.0106	0.0069
HE3	PD 110	PD 111	AG 111	AG 112	AG 113	CD 113	CD 114	IN 116	IN 117	TE 122
		-88.3380	-86.0100	-88.1960	-86.5680	-87.0410	-90.0178	-88.1950	-88.9250	-90.2910
		-3.8640	4.9434	3.2929	9.8659	10.0519	14.0399	12.1644	11.6363	-3.1610
		0.0061	0.0134	0.0078	0.0115	0.0233	0.0046	0.0088	0.0243	0.0451
HE4	PD 110	PD 110	AG 110	AG 111	AG 112	CD 112	CD 113	IN 115	IN 116	TE 121
		-87.6020	-88.3380	-87.4700	-88.1960	-86.5680	-90.5746	-89.5420	-88.1950	-88.3050
		-18.2716	-9.0441	-11.7435	-4.7862	-4.2195	-1.3658	-14.9683	-3.2121	-3.1472
		0.0068	0.0096	0.0096	0.0071	0.0088	0.0063	0.0064	0.0096	0.0096
HE6	PD 107	PD 108	AG 108	AG 109	AG 110	CD 110	CD 111	IN 113	IN 114	TE 119
		-88.3679	-89.5240	-87.6070	-88.7174	-87.4700	-90.3424	-89.2464	-89.3390	-88.5850
		-16.2717	-10.0583	-6.3167	-2.3918	0.1583	-0.7284	-12.5089	1.7954	-13.6467
		0.0402	0.6000	0.0088	0.0061	0.0135	0.0079	0.0116	0.0047	0.0203
LI6	RH 107	RH 108	PD 108	PD 109	PD 110	AG 110	AG 111	CD 113	CD 114	SB 119
		-86.8580	-85.0000	-89.5240	-87.6020	-88.3380	-87.4700	-88.1960	-90.0178	-89.4830

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48 cd 113

48 CD 116

MASS EXCESS -88.7123 +/- 0.0031 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.7641	7.5017	11.8736	13.8076	16.2806	4.8126	13.6961	15.4188	1.1377
		0.0143	0.0105	0.4000	0.1200	0.0044	0.0046	0.0068	0.0045	0.0059
GAMMA	CD 116	CD 117	IN 117	IN 118	IN 119	SN 119	SN 120	SB 122	SB 123	XE 128
		-86.4050	-88.9250	-87.4500	-87.5700	-90.0616	-91.1002	-88.3200	-89.2238	-89.8500
	-8.6947		-1.2998	5.2772	5.6162	9.7996	-4.2974	6.8979	6.4436	-8.3427
	0.0095		0.0242	0.0105	0.4000	0.0049	0.0044	0.0042	0.0068	0.0232
N	CD 115	CD 116	IN 116	IN 117	IN 118	SN 118	SN 119	SB 121	SB 122	XE 127
	-88.0890		-88.1950	-88.9250	-87.4500	-91.6520	-90.0616	-89.5932	-88.3200	-88.4410
	-11.1713	-5.3198		3.5396	5.5987	6.3800	-6.0065	7.2971	8.8485	-7.0170
	0.1700	1.0000		0.0143	1.0800	0.4000	0.1200	0.0068	0.0053	0.0051
P	AG 115	AG 116	CD 116	CD 117	CD 118	IN 118	IN 119	SN 121	SN 122	I 127
	-84.8300	-82.6100		-86.4050	-86.6500	-87.4500	-87.5700	-89.2100	-89.9425	-88.9843
	-16.4282	-8.9468	-6.4702		-0.4933	2.0081	-11.9735	3.3404	2.2691	-13.9452
	0.4000	0.1700	0.0095		0.0143	0.0105	0.4000	0.0047	0.0068	0.0077
D	AG 114	AG 115	CD 115	CD 116	CD 117	IN 117	IN 118	SN 120	SN 121	I 126
	-85.4200	-84.8300	-88.0890		-86.4050	-88.9250	-87.4500	-91.1002	-89.2100	-87.9030
	-16.6212	-10.1708	-6.3555	-2.4373		-0.5359	-12.3125	0.4878	2.3453	-14.7792
	0.0401	0.4000	0.0043	0.0095		0.0242	0.0105	0.0045	0.0047	0.0068
T	AG 113	AG 114	CD 114	CD 115	CD 116	IN 116	IN 117	SN 119	SN 120	I 125
	-87.0410	-85.4200	-90.0178	-88.0890		-88.1950	-88.9250	-90.0616	-91.1002	-88.8830
			-10.9346	-5.6777	-6.0837		-14.8139	-1.9852	-3.2363	-14.6116
	MASS	MASS	0.4000	0.1700	1.0000		0.0143	0.1200	0.6000	0.0068
HE3	PD 113	PD 114	AG 114	AG 115	AG 116	CD 116	CD 117	IN 119	IN 120	TE 125
	UNKNOWN	UNKNOWN	-85.4200	-84.8300	-82.6100		-86.4050	-87.5700	-85.5000	-89.0320
	-4.8691		3.1929	7.4189	8.6429	11.8833		10.4014	11.3403	-0.6370
	0.0312	MASS	0.0401	0.4000	0.1700	0.0095		0.4000	0.1200	0.0059
HE4	PD 112	PD 113	AG 113	AG 114	AG 115	CD 115	CD 116	IN 118	IN 119	TE 124
	-86.2680	UNKNOWN	-87.0410	-85.4200	-84.8300	-88.0890		-87.4500	-87.5700	-90.5000
	-17.9725	-12.2291	-10.8255	-6.6066	-4.3195	-2.3379	-13.8679	-4.0271	-2.4782	-16.0195
	0.0140	0.0503	0.0121	0.0236	0.0403	0.0061	0.0058	0.0246	0.0113	0.0078
HE6	PD 110	PD 111	AG 111	AG 112	AG 113	CD 113	CD 114	IN 116	IN 117	TE 122
	-88.3380	-86.0100	-88.1960	-86.5680	-87.0410	-89.0413	-90.0178	-88.1950	-88.9250	-90.2910
	-20.0007		-9.5017	-3.3968		-0.8284	-14.9559		-1.4884	-14.4807
	0.5000	MASS	0.0501	0.0312	MASS	0.0401	0.4000		0.0144	0.0068
LI6	RH 110	RH 111	PD 111	PD 112	PD 113	AG 113	AG 114	CD 116	CD 117	SB 122
	-82.8000	UNKNOWN	-86.0100	-86.2680	UNKNOWN	-87.0410	-85.4200		-86.4050	-88.3200

49 IN 113

MASS EXCESS -89.3390 +/- 0.0080 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			7.3174	8.5150	13.8279	17.1337	12.5623	1.6578	11.9384	14.9683	-5.4290
			0.0113	0.0113	0.0106	0.0091	0.0506	0.0311	0.0216	0.0153	1.0000
GAMMA	IN 113	IN 114	SN 114	SN 115	SN 116	SB 116	SB 117	TE 119	TE 120	CS 125	
		-88.5850	-90.5650	-90.0310	-91.5227	-86.9700	-88.5720	-87.1890	-89.4000	-83.9100	
		-9.4264	-1.8054	6.2905	7.5705	4.5219	-8.0157	4.3380	4.6859		
		0.0120	0.0188	0.0113	0.0106	0.0225	0.0506	1.0000	0.0216	MASS	
N	IN 112	IN 113	SN 113	SN 114	SN 115	SB 115	SB 116	TE 118	TE 119	CS 124	
		-87.9840	-88.3160	-90.5650	-90.0310	-87.0010	-86.9700	-87.6600	-87.1890	UNKNOWN	
		-6.0534	0.4848	5.0929	7.8640	8.3344	-2.6805	5.4164	7.7623	-9.1780	
		0.0085	0.0087	0.0113	0.0113	0.0106	0.0091	0.0107	0.0216	0.1402	
P	CD 112	CD 113	IN 113	IN 114	IN 115	SN 115	SN 116	SB 118	SB 119	XE 124	
		-90.5746	-89.0413	-88.5850	-89.5420	-90.0310	-91.5227	-87.9560	-89.4830	-87.4500	
		-13.2285	-3.8289	-7.2019	1.0600	3.0214	-10.0192	0.1855	0.3884	-17.4649	
		0.0088	0.0085	0.0120	0.0113	0.0113	0.0106	0.0311	0.0107	1.0100	
D	CD 111	CD 112	IN 112	IN 113	IN 114	SN 114	SN 115	SB 117	SB 118	XE 123	
		-89.2464	-90.5746	-87.9840	-88.5850	-90.5650	-90.0310	-88.5720	-87.9560	-85.0100	
		-13.9465	-6.9711	-8.8400	-3.1690	-1.0416	-11.2992	-3.2305	-0.8096		
		0.0087	0.0088	0.2002	0.0120	0.0188	0.0113	0.0506	0.0311	MASS	
T	CD 110	CD 111	IN 111	IN 112	IN 113	SN 113	SN 114	SB 116	SB 117	XE 122	
		-90.3424	-89.2464	-88.1600	-87.9840	-88.3160	-90.5650	-86.9700	-88.5720	UNKNOWN	
		-16.8003	-8.0029	-7.7349	-0.5598	-0.2791	-13.2606	1.3408	1.0294	-18.1193	
		0.0106	0.0136	0.0088	0.0085	0.0087	0.0113	0.0092	0.0087	0.0408	
HE3	AG 110	AG 111	CD 111	CD 112	CD 113	IN 113	IN 114	SN 116	SN 117	I 122	
		-87.4700	-88.1960	-89.2464	-90.5746	-89.0413	-88.5850	-91.5227	-90.3924	-86.1510	
		-3.0463	3.7777	5.8676	10.6186	13.7608	11.1516	12.3557	14.6663	-5.8137	
		0.0093	0.0106	0.0087	0.0088	0.0086	0.0120	0.0107	0.0092	0.0705	
HE4	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121	
		-88.7174	-87.4700	-90.3424	-89.2464	-90.5746	-87.9840	-90.0310	-91.5227	-85.9500	
		-17.0302	-11.2588	-11.2454	-5.2523	-1.6448	-5.5939	-16.3524	-4.5328	-1.4649	
		0.0108	0.0120	0.0099	0.0120	0.0096	0.0410	0.2002	0.0192	0.0121	MASS
HE6	AG 107	AG 108	CD 108	CD 109	CD 110	IN 110	IN 111	SN 113	SN 114	I 119	
		-89.9070	-87.6070	-88.4028	-88.5490	-90.3424	-86.4120	-88.1600	-88.3160	-90.5650	UNKNOWN
		-15.0595	-5.8320	-8.5314	-1.5741	-1.0074	1.8463	-11.7562	0.0649	-16.2384	
		0.0091	0.0114	0.0114	0.0094	0.0107	0.0088	0.0088	0.0114	0.0216	
LI6	PD 107	PD 108	AG 108	AG 109	AG 110	CD 110	CD 111	IN 113	IN 114	TE 119	
		-88.3679	-89.5240	-87.6070	-88.7174	-87.4700	-90.3424	-89.2464	-88.5850	-87.1890	

49 IN 113

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49 IN 115

MASS EXCESS -89.5420 +/- 0.0080 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING			6.7244	9.2697	13.9863	17.0600	13.3453	2.3658	12.8514	15.6563	-3.2010
			0.0253	0.0091	0.0086	0.0089	0.0106	0.0215	0.0457	0.0101	0.0605
GAMMA	IN 115	IN 116	SN 116	SN 117	SN 118	SB 118	SB 119	TE 121	TE 122	CS 127	
		-88.1950	-91.5227	-90.3924	-91.6520	-87.9560	-89.4830	-88.3050	-90.2910	-86.3410	
		-9.0284	-0.2934	7.0452	7.7289	5.8899	-7.2327	5.8750	5.5989	-13.2634	
		0.0113	0.0106	0.0091	0.0086	0.0310	0.0106	0.0153	0.0457	0.4001	
N	IN 114	IN 115	SN 115	SN 116	SN 117	SB 117	SB 118	TE 120	TE 121	CS 126	
		-88.5850	-90.0310	-91.5227	-90.3924	-88.5720	-87.9560	-89.4000	-88.3050	-84.3500	
		-6.8132	-0.6705	4.4999	7.0440	8.4928	-2.7542	5.6724	7.6695	-7.6770	
		0.0085	0.0120	0.0253	0.0128	0.0086	0.0089	0.0107	0.0085	0.0113	
P	CD 114	CD 115	IN 115	IN 116	IN 117	SN 117	SN 118	SB 120	SB 121	XE 126	
		-90.0178	-88.0890	-88.1950	-88.9250	-90.3924	-91.6520	-88.4150	-89.5932	-89.1540	
		-13.6366	-4.5887	-6.8039	0.4670	3.7761	-9.8608	0.8935	0.6444	-15.6979	
		0.0087	0.0085	0.0113	0.0253	0.0091	0.0086	0.0216	0.0107	1.0000	
D	CD 113	CD 114	IN 114	IN 115	IN 116	SN 116	SN 117	SB 119	SB 120	XE 125	
		-89.0413	-90.0178	-88.5850	-88.1950	-91.5227	-90.3924	-89.4830	-88.4150	-86.9800	
		-13.9173	-7.3792	-7.8640	-2.7710	0.4704	-10.5445	-2.4475	-0.1016	-17.0419	
		0.0085	0.0087	0.0113	0.0113	0.0106	0.0091	0.0107	0.0216	0.1402	
T	CD 112	CD 113	IN 113	IN 114	IN 115	SN 115	SN 116	SB 118	SB 119	XE 124	
		-90.5746	-89.0413	-89.3390	-88.5850	-90.0310	-91.5227	-87.9560	-89.4830	-87.4500	
		-17.9053	-9.3609	-8.1430	-1.3196	-1.4344	-13.8536	1.2671	0.4956	-17.1433	
		0.0244	0.0408	0.0087	0.0085	0.0120	0.0253	0.0089	0.0087	0.0310	
HE3	AG 112	AG 113	CD 113	CD 114	CD 115	IN 115	IN 116	SN 118	SN 119	I 124	
		-86.5680	-87.0410	-89.0413	-90.0178	-88.0890	-88.1950	-91.6520	-90.0616	-87.3300	
		-3.7707	2.6727	5.8968	10.2105	13.0010	11.5496	12.5141	14.5926	-4.1567	
		0.0136	0.0244	0.0086	0.0087	0.0085	0.0113	0.0087	0.0089	1.0000	
HE4	AG 111	AG 112	CD 112	CD 113	CD 114	IN 114	IN 115	SN 117	SN 118	I 123	
		-88.1960	-86.5680	-90.5746	-89.0413	-90.0178	-88.5850	-90.3924	-91.6520	-87.8100	
		-18.4228	-11.5988	-9.5088	-4.7579	-1.6156	-4.2249	-15.3764	-3.0208	-0.7102	-21.1902
		0.0102	0.0114	0.0096	0.0096	0.0094	0.0127	0.0120	0.0114	0.0100	0.0706
HE6	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121	
		-88.7174	-87.4700	-90.3424	-89.2464	-90.5746	-87.9840	-89.3390	-90.0310	-91.5227	-85.9500
		-16.0284	-7.2210	-8.8714	-2.2985	-2.1124	1.8755	-12.1643	-0.5281	-15.3254	
		0.0095	0.0153	0.0107	0.0136	0.0244	0.0086	0.0088	0.0253	0.0457	
LI6	PD 109	PD 110	AG 110	AG 111	AG 112	CD 112	CD 113	IN 115	IN 116	TE 121	
		-87.6020	-88.3380	-87.4700	-88.1960	-86.5680	-90.5746	-89.0413	-88.1950	-88.3050	

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49 IN 115

5C SN 112

MASS EXCESS -88.6440 +/- 0.0090 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.7434	2.4910	8.7819	13.3070	8.7873	-0.8092	6.1444		
GAMMA	SN 112	0.0192	0.0439	0.2002	0.0228	0.7001	0.1104	1.1000	MASS	MASS
		SN 113	SB 113	SB 114	SB 115	TE 115	TE 116	I 118	I 119	BA 124
		-88.3160	-83.8460	-84.2900	-87.0010	-82.5000	-85.4100	-80.7000	UNKNOWN	UNKNOWN
N				0.2665	2.5245		-11.7907		-1.1081	
			MASS	0.0439	0.2002	MASS	0.7001	MASS	1.1000	MASS
		SN 112	SB 112	SB 113	SB 114	TE 114	TE 115	I 117	I 118	BA 123
			UNKNOWN	-83.8460	-84.2900	UNKNOWN	-82.5000	UNKNOWN	-80.7000	UNKNOWN
P										
		-7.7730	0.1225	5.5189	9.5820	3.2884	-6.5072	3.2254	6.6343	
		0.2002	0.0127	0.0192	0.0120	0.2002	0.0229	0.0607	1.0000	MASS
		IN 111	IN 112	SN 112	SN 113	SN 114	SB 114	SB 115	TE 117	TE 118
		-88.1600	-87.9840		-88.3160	-90.5650	-84.2900	-87.0010	-85.0700	-87.6600
D										
		-15.3679	-5.5485	-8.8509	1.4860	-3.0026	-15.0652	-2.2815	-1.8026	
		0.0410	0.2002	0.2002	0.0192	0.0439	0.2002	0.1104	0.0607	MASS
		IN 110	IN 111	SN 111	SN 112	SB 113	SB 114	TE 116	TE 117	CS 122
		-86.4120	-88.1600	-85.6400		-88.3160	-83.8460	-84.2900	-85.4100	-85.0700
T										
		-14.3458	-9.1105	-9.7750	-4.8180		-17.3232	-7.0055	-3.2766	
		0.0099	0.0410	0.0158	0.2002	MASS	0.0439	0.7001	0.1104	MASS
		IN 109	IN 110	SN 110	SN 111	SN 112	SB 112	SB 113	TE 115	TE 116
		-89.2481	-86.4120	-86.5300	-85.6400		UNKNOWN	-83.8460	-82.5000	-85.4100
HE3										
		-15.0263	-5.1615	-9.8743	-2.2794	-0.6414	-12.8346	-2.4859	-1.6980	-21.4153
		0.0120	0.0097	0.0410	0.2002	0.0127	0.0192	0.0229	0.0508	0.1203
		CD 109	CD 110	IN 110	IN 111	IN 112	SN 112	SN 113	SB 115	SB 116
		-88.5490	-90.3424	-86.4120	-88.1600	-87.9840		-88.3160	-87.0010	-86.9700
HE4										
		-2.6659	5.5517	5.4683	8.4792	12.0412	9.5026	7.3097	10.8396	
		0.0099	0.0120	0.0099	0.0410	0.2002	0.2002	0.2002	0.0229	MASS
		CD 108	CD 109	IN 109	IN 110	IN 111	SN 111	SN 112	SB 114	SB 115
		-88.4028	-88.5490	-89.2481	-86.4120	-88.1600	-85.6400	-84.2900	-87.0010	-87.0010
HE6										
		-19.1122	-11.2278	-11.8251	-6.1203	-2.0441	-6.5809	-17.2874	-7.4889	
		1.0000	0.0133	0.0106	0.0115	0.0107	0.0510	0.0163	0.0441	MASS
		CD 106	CD 107	IN 107	IN 108	IN 109	SN 109	SN 110	SB 112	SB 113
		-87.1300	-86.9430	-87.1281	-86.9860	-89.2481	-84.7300	-86.5300	UNKNOWN	-83.8460
LI6										
		-14.3014	-4.7540	-8.5004	-1.1937	0.7666	1.4470	-13.8956	0.4909	-22.0324
		0.0150	0.0109	0.0128	0.0100	0.0121	0.0100	0.0410	0.0193	1.1000
		AG 106	AG 107	CD 107	CD 108	CD 109	IN 109	IN 110	SN 112	SN 113
		-88.4310	-89.9070	-86.9430	-88.4028	-88.5490	-89.2481	-86.4120	-88.3160	-80.7000

50 SN 114

MASS EXCESS -90.5650 +/- 0.0080 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.5374	3.7250	9.5409	12.9570	9.4363	-0.4802	7.5234	10.2923	
		0.0106	0.0225	0.0506	0.0310	0.0605	1.0000	1.0000	0.0705	MASS
GAMMA	SN 114	SN 115	SB 115	SB 116	SB 117	TE 117	TE 118	I 120	I 121	BA 126
		-90.0310	-87.0010	-86.9700	-88.5720	-85.0700	-87.6600	-84.0000	-85.9500	UNKNOWN
		-10.3204	-7.0574	1.5005	3.2835	1.7049	-11.1417		0.2709	
		0.0188	0.2002	0.0225	0.0506	0.1103	0.0605	MASS	1.0000	MASS
N	SN 113	SN 114	SB 114	SB 115	SB 116	TE 116	TE 117	I 119	I 120	BA 125
		-88.3160	-84.2900	-87.0010	-86.9700	-85.4100	-85.0700	UNKNOWN	-84.0000	UNKNOWN
		-8.5150	-1.1975	5.3129	8.6187	4.0474	-6.8572	3.4234	6.4533	-13.9440
		0.0113	0.0113	0.0106	0.0091	0.0506	0.0311	0.0216	0.0153	1.0000
P	IN 113	IN 114	SN 114	SN 115	SN 116	SB 116	SB 117	TE 119	TE 120	CS 125
		-89.3390	-88.5850	-90.0310	-91.5227	-86.9700	-88.5720	-87.1890	-89.4000	-83.9100
		-15.7169	-6.2905	-8.0959	1.2800	-1.7686	-14.3062	-1.9525	-1.6046	
		0.0120	0.0113	0.0188	0.0106	0.0225	0.0506	1.0000	0.0216	MASS
D	IN 112	IN 113	SN 113	SN 114	SN 115	SB 115	SB 116	TE 118	TE 119	CS 124
		-87.9840	-89.3390	-88.3160	-90.0310	-87.0010	-86.9700	-87.6600	-87.1890	UNKNOWN
		-17.3549	-9.4595	-9.5820	-4.0630	-6.2936	-16.0892	-6.3565	-2.9476	
		0.2002	0.0120	0.0120	0.0188	0.2002	0.0225	0.0605	1.0000	MASS
T	IN 111	IN 112	SN 112	SN 113	SN 114	SB 114	SB 115	TE 117	TE 118	CS 123
		-88.1600	-87.9840	-88.6440	-88.3160	-84.2900	-87.0010	-85.0700	-87.6600	UNKNOWN
		-16.2499	-6.8503	-10.2233	-3.0214	-1.9614	-13.0406	-2.8359	-2.6330	-20.4863
		0.0088	0.0085	0.0120	0.0113	0.0113	0.0106	0.0311	0.0107	1.0100
HE3	CD 111	CD 112	IN 112	IN 113	IN 114	SN 114	SN 115	SB 117	SB 118	XE 123
		-89.2464	-90.5746	-87.9840	-89.3390	-88.5850	-90.0310	-88.5720	-87.9560	-85.0100
		-2.6473	4.3281	2.4592	8.1302	11.2992	10.2576	8.0687	10.4896	
		0.0087	0.0088	0.2002	0.0120	0.0113	0.0188	0.0506	0.0311	MASS
HE4	CD 110	CD 111	IN 111	IN 112	IN 113	SN 113	SN 114	SB 116	SB 117	XE 122
		-90.3424	-89.2464	-88.1600	-87.9840	-89.3390	-88.3160	-86.9700	-88.5720	UNKNOWN
		-19.7604	-11.5428	-11.6261	-8.6153	-5.0532	-7.5919	-17.0944	-9.7848	-6.2549
		0.0099	0.0120	0.0099	0.0410	0.2002	0.2002	0.0127	0.2002	0.0229
HE6	CD 108	CD 109	IN 109	IN 110	IN 111	SN 111	SN 112	SB 114	SB 115	MASS
		-88.4028	-88.5490	-89.2481	-86.4120	-88.1600	-85.6400	-88.6440	-84.2900	-87.0010
		-17.0464	-7.8646	-8.8154	-1.1751	-0.4570	-1.5621	-14.2446	0.2849	-20.6534
		0.0114	0.0094	0.0114	0.0088	0.0088	0.2002	0.0121	0.0107	1.0000
LI6	AG 108	AG 109	CD 109	CD 110	CD 111	IN 111	IN 112	SN 114	SN 115	I 120
		-87.6070	-88.7174	-88.5490	-90.3424	-89.2464	-88.1600	-87.9840	-90.0310	-84.0000

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50 Sn 114

50 SN 116

MASS EXCESS -91.5227 +/- 0.0044 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.9411	4.3383	9.5692	12.9102	10.5976	0.3020	8.7167	11.1946	-6.3027
		0.0054	0.0303	0.0083	0.0205	0.0205	0.0137	0.0403	1.0000	1.0000
GAMMA	SN 116	SN 117	SB 117	SB 118	SB 119	TE 119	TE 120	I 122	I 123	BA 128
		-90.3924	-88.5720	-87.9560	-89.4830	-87.1890	-89.4000	-86.1510	-87.8100	-85.2200
		-9.5631	-5.3351	2.1138	3.3118	2.9972	-9.9804	0.4443	1.4642	-17.0141
		0.0083	0.0502	0.0303	0.0083	1.0000	0.0205	0.0701	0.0403	1.0600
N	SN 115	SN 116	SB 116	SB 117	SB 118	TE 118	TE 119	I 121	I 122	BA 127
		-90.0310	-86.9700	-88.5720	-87.9560	-87.6600	-87.1890	-85.9500	-86.1510	-82.5800
		-9.2697	-2.5452	4.7166	7.7903	4.0757	-6.9039	3.5817	6.3866	-12.4707
		0.0091	0.0244	0.0054	0.0058	0.0083	0.0205	0.0452	0.0075	0.0602
P	IN 115	IN 116	SN 116	SN 117	SN 118	SB 118	SB 119	TE 121	TE 122	CS 127
		-89.5420	-88.1950	-90.3924	-91.6520	-87.9560	-89.4830	-88.3050	-90.2910	-86.3410
		-16.0736	-7.0452	-7.3386	0.6837	-1.1553	-14.2779	-1.1702	-1.4463	-20.3086
		0.0091	0.0091	0.0083	0.0054	0.0303	0.0083	0.0138	0.0452	0.4000
D	IN 114	IN 115	SN 115	SN 116	SN 117	SB 117	SB 118	TE 120	TE 121	CS 126
		-88.5850	-89.5420	-90.0310	-90.3924	-88.5720	-87.9560	-89.4000	-88.3050	-84.3500
		-17.1336	-9.8162	-8.6187	-3.3057	-4.5713	-15.4759	-5.1952	-2.1653	-22.5626
		0.0091	0.0091	0.0091	0.0083	0.0502	0.0303	0.0205	0.0138	1.0000
T	IN 113	IN 114	SN 114	SN 115	SN 116	SB 116	SB 117	TE 119	TE 120	CS 125
		-89.3390	-88.5850	-90.5650	-90.0310	-86.9700	-88.5720	-87.1890	-89.4000	-83.9100
		-17.4127	-8.3648	-10.5800	-3.7761	-3.3091	-13.6369	-2.8826	-3.1317	-19.4740
		0.0056	0.0053	0.0091	0.0091	0.0244	0.0055	0.0205	0.0083	1.0000
HE3	CD 113	CD 114	IN 114	IN 115	IN 116	SN 116	SN 117	SB 119	SB 120	XE 125
		-89.0413	-90.0178	-88.5850	-89.5420	-88.1950	-90.3924	-89.4830	-88.4150	-86.9800
		-3.3728	3.1653	2.6805	7.7735	10.5445	11.0149	8.0970	10.4429	-6.4974
		0.0053	0.0056	0.0091	0.0091	0.0091	0.0083	0.0083	0.0205	0.1401
HE4	CD 112	CD 113	IN 113	IN 114	IN 115	SN 115	SN 116	SB 118	SB 119	XE 124
		-90.5746	-89.0413	-89.3390	-88.5850	-89.5420	-90.0310	-87.9560	-89.4830	-87.4500
		-18.7785	-11.8031	-13.6719	-8.0010	-4.8320	-5.8736	-16.1312	-8.0625	-5.6416
		0.0069	0.0070	0.2001	0.0108	0.0100	0.0180	0.0100	0.0504	0.0306
HE6	CD 110	CD 111	IN 111	IN 112	IN 113	SN 113	SN 114	SB 116	SB 117	MASS XE 122
		-90.3424	-89.2464	-88.1600	-87.9840	-89.3390	-88.3160	-90.5650	-86.9700	-88.5720 UNKNCHN
		-18.1411	-9.3437	-9.0757	-1.9006	-1.6199	-1.3408	-14.6013	-0.3114	-19.4601
		0.0083	0.0119	0.0058	0.0054	0.0057	0.0092	0.0092	0.0057	0.0403
LI6	AG 110	AG 111	CD 111	CD 112	CD 113	IN 113	IN 114	SN 116	SN 117	I 122
		-87.4700	-88.1960	-89.2464	-90.5746	-89.0413	-89.3390	-88.5850	-90.3924	-86.1510

50 SN 117

MASS EXCESS -90.3924 +/- 0.0032 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		9.3310	4.8526	12.2265	12.9726	13.9389	0.3374	11.5060	11.8449	-5.2524
		0.0050	0.0077	0.0203	0.0077	0.0134	0.0451	1.0000	0.0302	1.0000
GAMMA	SN 117	SN 118	SB 118	SB 119	SB 120	TE 120	TE 121	I 123	I 124	BA 129
		-91.6520	-87.9560	-89.4830	-88.4150	-89.4000	-88.3050	-87.8100	-87.3300	-85.1400
		-6.9411	-2.6028	2.6281	5.9691	3.6565	-6.6391	1.7756	4.2535	-13.2438
		0.0054	0.0302	0.0077	0.0203	0.0203	0.0134	0.0401	1.0000	1.0000
N	SN 116	SN 117	SB 117	SB 118	SB 119	TE 119	TE 120	I 122	I 123	BA 128
		-91.5227	-88.5720	-87.9560	-89.4830	-87.1890	-89.4000	-86.1510	-87.8100	-85.2200
		-9.4864	-0.6849	7.1065	7.3302	6.7330	-6.8416	6.6980	6.3889	-11.7614
		0.0242	0.0105	0.0050	0.0045	0.0203	0.0077	0.0069	0.0069	0.0302
P	IN 116	IN 117	SN 117	SN 118	SN 119	SB 119	SB 120	TE 122	TE 123	CS 128
		-88.1950	-88.9250	-91.6520	-90.0616	-89.4830	-88.4150	-90.2910	-89.1630	-85.9200
		-13.9863	-7.2619	-4.7166	3.0736	-0.6410	-11.6206	-1.1349	1.6700	-17.1873
		0.0086	0.0242	0.0054	0.0050	0.0077	0.0203	0.0451	0.0069	0.0601
D	IN 115	IN 116	SN 116	SN 117	SN 118	SB 118	SB 119	TE 121	TE 122	CS 127
		-89.5420	-88.1950	-91.5227	-91.6520	-87.9560	-89.4830	-88.3050	-90.2910	-86.3410
		-16.7573	-7.7289	-8.0224	-0.6837	-1.8390	-14.9616	-1.8539	-2.1300	-20.9923
		0.0086	0.0086	0.0077	0.0054	0.0302	0.0077	0.0134	0.0451	0.4000
T	IN 114	IN 115	SN 115	SN 116	SN 117	SB 117	SB 118	TE 120	TE 121	CS 126
		-88.5850	-89.5420	-90.0310	-91.5227	-88.5720	-87.9560	-89.4000	-88.3050	-84.3500
		-15.3059	-9.1633	-8.4927	-3.9928	-1.4488	-11.2470	-2.8203	-0.8232	-16.1697
		0.0043	0.0096	0.0086	0.0242	0.0105	0.0050	0.0078	0.0043	0.0086
HE3	CD 114	CD 115	IN 115	IN 116	IN 117	SN 117	SN 118	SB 120	SB 121	XE 126
		-90.0178	-88.0890	-89.5420	-88.1950	-88.9250	-91.6520	-88.4150	-89.5932	-89.1540
		-3.7758	5.2721	3.0568	9.8608	10.3278	13.6369	10.7543	10.5052	-5.8371
		0.0047	0.0043	0.0086	0.0086	0.0242	0.0055	0.0203	0.0078	1.0000
HE4	CD 113	CD 114	IN 114	IN 115	IN 116	SN 116	SN 117	SB 119	SB 120	XE 125
		-89.0413	-90.0178	-88.5850	-89.5420	-88.1950	-91.5227	-89.4830	-88.4150	-86.9800
		-18.7442	-9.3446	-12.7176	-5.5157	-4.4556	-2.4943	-15.5348	-5.3302	-22.9806
		0.0063	0.0059	0.0104	0.0095	0.0095	0.0095	0.0087	0.0305	0.0087
HE6	CD 111	CD 112	IN 112	IN 113	IN 114	SN 114	SN 115	SB 117	SB 118	XE 123
		-89.2464	-90.5746	-87.9840	-89.3390	-88.5850	-90.5650	-90.0310	-88.5720	-87.9560
		-16.2848	-9.8414	-6.6172	-2.3036	0.4870	-0.9645	-12.5140	2.0785	-16.6708
		0.0115	0.0232	0.0045	0.0048	0.0045	0.0087	0.0087	0.0052	1.0000
LI6	AG 111	AG 112	CD 112	CD 113	CD 114	IN 114	IN 115	SN 117	SN 118	I 123
		-88.1960	-86.5680	-90.5746	-89.0413	-90.0178	-88.5850	-89.5420	-91.6520	-87.8100

50 Sn 117

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50 SN 118

MASS EXCESS -91.6520 +/- 0.0038 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.4810	5.1200	9.8989	12.8911	11.5843	1.0638	9.7664	12.1383	-4.3210
		0.0049	0.0204	0.0080	0.0046	0.0452	0.0071	0.0303	0.0072	0.0213
GAMMA	SN 118	SN 119	SB 119	SB 120	SB 121	TE 121	TE 122	I 124	I 125	BA 130
		-90.0616	-89.4830	-88.4150	-89.5932	-88.3050	-90.2910	-87.3300	-88.8830	-87.3310
		-9.3310	-4.4784	2.8955	3.6415	4.6079	-8.9937	2.1750	2.5139	-14.5834
		0.0050	0.0080	0.0204	0.0080	0.0135	0.0452	1.0000	0.0303	1.0000
N	SN 117	SN 118	SB 118	SB 119	SB 120	TE 120	TE 121	I 123	I 124	BA 129
		-90.3924	-87.9560	-89.4830	-88.4150	-89.4000	-88.3050	-87.8100	-87.3300	-85.1400
		-10.0160	-3.4195	4.2565	7.1092	4.4053	-6.9230	4.3104	6.4663	-11.3510
		0.0107	0.4000	0.0049	0.0051	0.0080	0.0046	0.0072	0.0064	1.0000
P	IN 117	IN 118	SN 118	SN 119	SN 120	SB 120	SB 121	TE 123	TE 124	CS 129
		-88.9250	-87.4500	-90.0616	-91.1002	-88.4150	-89.5932	-89.1630	-90.5000	-87.5900
		-16.5929	-7.7915	-7.1065	0.2236	-0.3736	-13.9482	-0.4085	-0.7176	-18.8679
		0.0243	0.0107	0.0050	0.0049	0.0204	0.0080	0.0072	0.0072	0.0302
D	IN 116	IN 117	SN 117	SN 118	SN 119	SB 119	SB 120	TE 122	TE 123	CS 128
		-88.1950	-88.9250	-90.3924	-90.0616	-89.4830	-88.4150	-90.2910	-89.1630	-85.9200
		-17.0599	-10.3355	-7.7903	-3.0736	-3.7146	-14.6942	-4.2085	-1.4036	-20.2610
		0.0089	0.0243	0.0058	0.0050	0.0080	0.0204	0.0452	0.0072	0.0601
T	IN 115	IN 116	SN 116	SN 117	SN 118	SB 118	SB 119	TE 121	TE 122	CS 127
		-89.5420	-88.1950	-91.5227	-90.3924	-87.9560	-89.4830	-88.3050	-90.2910	-86.3410
		-18.4943	-9.7996	-11.0993	-4.5224	-4.1834	-14.0970	-2.9017	-3.3560	-18.1423
		0.0098	0.0049	0.0243	0.0107	0.4000	0.0049	0.0047	0.0072	0.0233
HE3	CD 115	CD 116	IN 116	IN 117	IN 118	SN 118	SN 119	SB 121	SB 122	XE 127
		-88.0890	-88.7123	-88.1950	-88.9250	-87.4500	-90.0616	-89.5932	-88.3200	-88.4410
		-4.0589	2.0837	2.7542	7.2542	9.7982	11.2470	8.4267	10.4237	-4.9227
		0.0048	0.0098	0.0089	0.0243	0.0107	0.0050	0.0080	0.0047	0.0089
HE4	CD 114	CD 115	IN 115	IN 116	IN 117	SN 117	SN 118	SB 120	SB 121	XE 126
		-90.0178	-88.0890	-89.5420	-88.1950	-88.9250	-90.3924	-88.4150	-89.5932	-89.1540
		-18.6756	-12.1375	-12.6222	-7.5293	-4.7583	-4.2879	-15.3027	-7.2058	-4.8599
		0.0063	0.0065	0.0097	0.0097	0.0097	0.0089	0.0071	0.0090	0.1401
HE6	CD 112	CD 113	IN 113	IN 114	IN 115	SN 115	SN 116	SB 118	SB 119	XE 124
		-90.5746	-89.0413	-89.3390	-88.5850	-89.5420	-90.0310	-91.5227	-87.9560	-89.4830
		-19.1724	-10.6280	-9.4101	-2.5867	-2.7015	-1.2671	-15.1207	-0.7715	-18.4104
		0.0233	0.0402	0.0052	0.0049	0.0098	0.0089	0.0243	0.0051	0.0303
LI6	AG 112	AG 113	CD 113	CD 114	CD 115	IN 115	IN 116	SN 118	SN 119	I 124
		-86.5680	-87.0410	-89.0413	-90.0178	-88.0890	-89.5420	-88.1950	-90.0616	-87.3300

50 SN 119

MASS EXCESS -90.0616 +/- 0.0031 MEV

50 Sn 119

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		9.1100	5.6424	12.6675	13.2084	15.1607	1.5262	12.9098	12.7487	-3.1696
		0.0046	0.0077	0.0040	0.0068	0.0068	0.0068	0.0068	0.0077	0.0173
GAMMA	SN 119	SN 120	SB 120	SB 121	SB 122	TE 122	TE 123	I 125	I 126	BA 131
		-91.1002	-88.4150	-89.5932	-88.3200	-90.2910	-89.1630	-88.8830	-87.9030	-86.8920
		-6.4810	-1.3610	3.4179	6.4101	5.1033	-5.4173	3.2854	5.6573	-10.8020
		0.0049	0.0202	0.0077	0.0041	0.0451	0.0068	0.0302	0.0068	0.0212
N	SN 118	SN 119	SB 119	SB 120	SB 121	TE 121	TE 122	I 124	I 125	BA 130
		-91.6520	-89.4830	-88.4150	-89.5932	-88.3050	-90.2910	-87.3300	-88.8830	-87.3310
		-9.9006	-1.7091	6.8855	6.8094	7.1740	-6.6058	7.2378	6.5887	-10.4616
		0.4000	0.1200	0.0046	0.0068	0.0041	0.0068	0.0060	0.0068	0.0212
P	IN 118	IN 119	SN 119	SN 120	SN 121	SB 121	SB 122	TE 124	TE 125	CS 130
		-87.4500	-87.5700	-91.1002	-89.2100	-89.5932	-88.3200	-90.5000	-89.0320	-86.8890
		-14.2725	-7.6761	-4.2565	2.8526	0.1488	-11.1796	0.0539	2.2098	-15.6075
		0.0105	0.4000	0.0049	0.0046	0.0077	0.0041	0.0068	0.0060	1.0000
D	IN 117	IN 118	SN 118	SN 119	SN 120	SB 120	SB 121	TE 123	TE 124	CS 129
		-88.9250	-87.4500	-91.6520	-91.1002	-88.4150	-89.5932	-89.1630	-90.5000	-87.5900
		-16.8165	-8.0151	-7.3302	-0.2236	-0.5972	-14.1718	-0.6321	-0.9412	-19.0915
		0.0242	0.0105	0.0045	0.0049	0.0202	0.0077	0.0068	0.0068	0.0302
T	IN 116	IN 117	SN 117	SN 118	SN 119	SB 119	SB 120	TE 122	TE 123	CS 128
		-88.1950	-88.9250	-90.3924	-91.6520	-89.4830	-88.4150	-90.2910	-89.1630	-85.9200
		-16.2806	-10.5165	-8.7789	-4.4070	-2.4730	-11.4680	-2.5845	-0.8618	-15.1429
		0.0044	0.0143	0.0105	0.4000	0.1200	0.0046	0.0068	0.0045	0.0059
HE3	CD 116	CD 117	IN 117	IN 118	IN 119	SN 119	SN 120	SB 122	SB 123	XE 128
		-88.7123	-86.4050	-88.9250	-87.4500	-87.5700	-91.1002	-88.3200	-89.2238	-89.8500
		-4.3973	4.2974	2.9976	9.5746	9.9136	14.0970	11.1953	10.7410	-4.0453
		0.0095	0.0044	0.0242	0.0105	0.4000	0.0049	0.0042	0.0069	0.0232
HE4	CD 115	CD 116	IN 116	IN 117	IN 118	SN 118	SN 119	SB 121	SB 122	XE 127
		-88.0890	-88.7123	-88.1950	-88.9250	-87.4500	-91.6520	-89.5932	-88.3200	-88.4410
		-18.6185	-9.5706	-11.7858	-4.9819	-4.5148	-1.2058	-14.8426	-4.0884	-4.3375
		0.0061	0.0058	0.0095	0.0095	0.0245	0.0067	0.0060	0.0207	0.0087
HE6	CD 113	CD 114	IN 114	IN 115	IN 116	SN 116	SN 117	SB 119	SB 120	XE 125
		-89.0413	-90.0178	-88.5850	-89.5420	-88.1950	-91.5227	-90.3924	-89.4830	-88.4150
		-17.1090	-10.6586	-6.8432	-2.9251	-0.4877	-1.0237	-12.8002	1.8575	-15.2670
		0.0401	0.4000	0.0044	0.0096	0.0045	0.0242	0.0105	0.0049	0.0068
LI6	AG 113	AG 114	CD 114	CD 115	CD 116	IN 116	IN 117	SN 119	SN 120	I 125
		-87.0410	-85.4200	-90.0178	-88.0890	-88.7123	-88.1950	-88.9250	-91.1002	-88.8830

50 SN 120

MASS EXCESS -91.1002 +/- 0.0034 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.1812 0.0069 SN 121	5.7820 0.0043 SB 121	10.3557 0.0069 SB 122	13.0736 0.0046 SB 123	12.9941 0.0069 TE 123	1.8246 0.0061 TE 124	10.8912 0.0079 I 126	12.7914 0.0054 I 127	-2.7202 0.2800 BA 132
GAMMA	SN 120	-89.2100	-89.5932	-88.3200	-89.2238	-89.1630	-90.5000	-87.9030	-88.9843	-88.3800
	-9.1100 0.0046 SN 119		-3.4676 0.0078 SN 120	3.5575 0.0043 SB 121	4.0983 0.0069 SB 122	6.0507 0.0069 TE 122	-7.5839 0.0069 TE 123	3.7998 0.0070 I 125	3.6387 0.0079 I 126	-12.2796 0.0173 BA 131
N		-90.0616	-88.4150	-89.5932	-88.3200	-90.2910	-89.1630	-88.8830	-87.9030	-86.8920
	-10.8192 0.1200 IN 119	-4.8177 0.6000 IN 120		3.9567 0.0069 SN 121	6.5033 0.0053 SN 122	4.8622 0.0069 SB 122	-6.7406 0.0046 SB 123	4.7312 0.0070 TE 125	6.5711 0.0061 TE 126	-10.3332 0.0078 CS 131
P		-87.5700	-85.5000	-89.2100	-89.9425	-88.3200	-89.2238	-89.0320	-90.0530	-88.0560
	-16.7861 0.4000 IN 118	-8.5947 0.1200 IN 119	-6.8855 0.0046 SN 119		-0.0762 0.0069 SN 120	0.2884 0.0043 SB 121	-13.4914 0.0069 SB 122	0.3523 0.0061 TE 124	-0.2968 0.0070 TE 125	-17.3471 0.0213 CS 130
D		-87.4500	-87.5700	-90.0616	-89.2100	-89.5932	-88.3200	-90.5000	-89.0320	-86.8890
	-17.1251 0.0106 IN 117	-10.5287 0.4000 IN 118	-7.1092 0.0051 SN 118	-2.8526 0.0046 SN 119		-2.7038 0.0078 SB 120	-14.0322 0.0043 SB 121	-2.7987 0.0070 TE 123	-0.6428 0.0061 TE 124	-18.4601 1.0000 CS 129
T		-88.9250	-87.4500	-91.6520	-90.0616	-88.4150	-89.5932	-89.1630	-90.5000	-87.5900
	-19.6265 0.0144 CD 117	-11.3101 1.0800 CD 118	-11.2925 0.4000 IN 118	-5.3256 0.1200 IN 119	-5.5816 0.6000 IN 120		-14.3968 0.0069 SN 120	-2.7193 0.0047 SB 123	-3.5402 0.0070 SB 124	-17.3395 0.0058 XE 129
HE3		-86.4050	-86.6500	-87.4500	-87.5700	-85.5000	-89.2100	-89.2238	-87.5840	-88.6920
	-4.8126 0.0046 CD 116	0.9515 0.0144 CD 117	2.6890 0.0106 IN 117	7.0610 0.4000 IN 118	8.9950 0.1200 IN 119	11.4680 0.0046 SN 119		8.8835 0.0070 SB 122	10.6062 0.0047 SB 123	-3.6749 0.0061 XE 128
HE4		-88.7123	-86.4050	-88.9250	-87.4500	-87.5700	-90.0616	-88.3200	-89.2238	-89.8500
	-18.6806 0.0060 CD 114	-12.5380 0.0104 CD 115	-11.8674 0.0096 IN 115	-7.3675 0.0246 IN 116	-4.8234 0.0113 IN 117	-3.3747 0.0062 SN 117	-14.6216 0.0065 SN 118	-6.1950 0.0088 SB 120	-4.1979 0.0060 SB 121	-19.5444 0.0096 XE 126
HE6		-90.0178	-88.0890	-89.5420	-88.1950	-88.9250	-90.3924	-91.6520	-88.4150	-89.5932
	-19.7686 0.4000 AG 114	-12.2872 0.1700 AG 115	-9.8106 0.0097 CD 115	-3.3404 0.0047 CD 116	-3.8336 0.0145 CD 117	-1.3323 0.0106 IN 117	-15.3138 0.4000 IN 118		-1.0713 0.0071 SN 121	-17.2856 0.0079 I 126
LI6		-85.4200	-84.8300	-88.0890	-88.7123	-86.4050	-88.9250	-87.4500	-89.2100	-87.9030

50 SN 122

MASS EXCESS -89.9425 +/- 0.0041 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.9319	6.5703	10.7774	13.2824	14.0208	2.5353	11.8559	13.4678	-1.0905
		0.0108	0.0051	0.0073	0.0090	0.0073	0.0065	0.0091	0.0082	0.0392
GAMMA	SN 122	SN 123	SB 123	SB 124	SB 125	TE 125	TE 126	I 128	I 129	BA 134
		-87.8030	-89.2238	-87.5840	-88.2750	-89.0320	-90.0530	-87.7100	-88.5030	-88.8520
		-8.8039	-2.4050	4.3458	4.5200	7.4174	-6.5572	5.0588	4.6034	-10.3419
		0.0073	0.0073	0.0051	0.0073	0.0065	0.0073	0.0058	0.0091	0.0362
N	SN 121	SN 122	SB 122	SB 123	SB 124	TE 124	TE 125	I 127	I 128	BA 133
		-89.2100	-88.3200	-89.2238	-87.5840	-90.5000	-89.0320	-88.9843	-87.7100	-87.6720
		-11.6215	-5.9600	3.7074	5.9555	5.2838	-6.5317	5.1519	6.6538	-9.0715
		1.0000	0.8000	0.0108	0.0064	0.0073	0.0090	0.0091	0.0066	0.0362
P	IN 121	IN 122	SN 122	SN 123	SN 124	SB 124	SB 125	TE 127	TE 128	CS 133
		-85.6100	-83.2000	-87.8030	-88.2370	-87.5840	-88.2750	-88.2950	-88.9780	-88.1600
		-17.5784	-9.3970	-6.5794	-0.3255	1.0767	-13.0697	1.0630	0.1239	-15.8854
		0.6000	1.0000	0.0073	0.0108	0.0051	0.0073	0.0066	0.0091	0.0253
D	IN 120	IN 121	SN 121	SN 122	SN 123	SB 123	SB 124	TE 126	TE 127	CS 132
		-85.5000	-85.6100	-89.2100	-87.8030	-89.2238	-87.5840	-90.0530	-88.2950	-87.1930
		-17.3224	-11.3210	-6.5033	-2.5465	-1.6411	-13.2439	-1.7720	0.0679	-16.8364
		0.1201	0.6000	0.0053	0.0073	0.0073	0.0052	0.0074	0.0066	0.0081
T	IN 119	IN 120	SN 120	SN 121	SN 122	SB 122	SB 123	TE 125	TE 126	CS 131
		-87.5700	-85.5000	-91.1002	-89.2100	-88.3200	-89.2238	-89.0320	-90.0530	-88.0560
		-20.8038	-12.0848	-6.1279	-6.7239	-14.6461	-2.5104	-3.6365	-16.4628	
		0.3200	MASS	0.6000	1.0000	0.8000	0.0108	0.0091	0.1501	0.0057
HE3	CD 119	CD 120	IN 120	IN 121	IN 122	SN 122	SN 123	SB 125	SB 126	XE 131
		-84.0700	UNKNOWN	-85.5000	-85.6100	-83.2000	-87.8030	-88.2750	-86.3300	-88.4110
		-5.7172	-0.2258	2.4917	6.2687	8.1927	11.7741	9.3052	10.8151	-2.4872
		1.0800	0.3200	0.1201	0.6000	1.0000	0.0073	0.0074	0.0091	0.0065
HE4	CD 118	CD 119	IN 119	IN 120	IN 121	SN 121	SN 122	SB 124	SB 125	XE 130
		-86.6500	-84.0700	-87.5700	-85.5000	-85.6100	-89.2100	-87.5840	-88.2750	-89.8800
		-18.8284	-13.0643	-11.3267	-6.9548	-5.0208	-2.5478	-14.0157	-5.1323	-3.4096
		0.0065	0.0151	0.0115	0.4000	0.1201	0.0065	0.0067	0.0084	0.0066
HE6	CD 116	CD 117	IN 117	IN 118	IN 119	SN 119	SN 120	SB 122	SB 123	XE 128
		-88.7123	-86.4050	-88.9250	-87.4500	-87.5700	-90.0616	-91.1002	-88.3200	-89.2238
		-21.4209	-10.3369	-4.2450	-5.0110	-1.5296	-16.1061	-1.3206	-16.3209	
		1.0000	MASS	0.0146	1.0800	0.3200	0.1201	0.6000	0.0109	0.0091
LI6	AG 116	AG 117	CD 117	CD 118	CD 119	IN 119	IN 120	SN 122	SN 123	I 128
		-82.6100	UNKNOWN	-86.4050	-86.6500	-84.0700	-87.5700	-85.5000	-87.8030	-87.7100

50 Sn 122

-210-

50 SN 124

MASS EXCESS -88.2370 +/- 0.0049 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			5.7674	7.3270	11.2289	13.4079	14.9893	3.1657	12.7414	14.1109	0.9030
			0.0130	0.0094	0.1501	0.0314	0.0094	0.0070	0.0121	0.0064	0.0801
GAMMA	SN 124	SN 125	SB 125	SB 126	SB 127	TE 127	TE 128	I 130	I 131	BA 136	
		-85.9330	-88.2750	-86.3300	-86.6950	-88.2950	-88.9780	-86.8900	-87.4406	-89.1400	
		-8.5054	-1.4355	5.1025	4.9715	8.6759	-5.5887	6.2830	5.4889	-8.3284	
		0.0111	0.0077	0.0094	0.1501	0.0070	0.0094	0.0086	0.0121	0.1001	
N	SN 123	SN 124	SB 124	SB 125	SB 126	TE 126	TE 127	I 129	I 130	BA 135	
		-87.8030	-87.5840	-88.2750	-86.3300	-90.0530	-88.2950	-88.5030	-86.8900	-87.9800	
		-12.2260	-6.5546	3.5429	5.4540	5.7353	-6.4062	5.5854	6.7183	-7.7560	
		1.0000	0.5000	0.0130	1.0100	0.1501	0.0314	0.0103	0.0078	0.1001	
P	IN 123	IN 124	SN 124	SN 125	SN 126	SB 126	SB 127	TE 129	TE 130	CS 135	
		-83.3000	-80.9000	-85.9330	-86.0300	-86.3300	-86.6950	-87.0230	-87.3370	-87.7700	
		-18.1729	-10.0015	-6.2809	-0.4900	1.8334	-12.6182	1.6935	0.5574	-14.5799	
		0.8000	1.0000	0.0111	0.0130	0.0094	0.1501	0.0071	0.0103	0.0393	
D	IN 122	IN 123	SN 123	SN 124	SN 125	SB 125	SB 126	TE 128	TE 129	CS 134	
		-83.2000	-83.3000	-87.8030	-85.9330	-88.2750	-86.3300	-88.9780	-87.0230	-86.7930	
		-17.5770	-11.9155	-5.9555	-2.2480	-0.6716	-12.4872	-0.8035	0.6983	-15.0269	
		1.0000	0.8000	0.0064	0.0111	0.0078	0.0094	0.0094	0.0071	0.0363	
T	IN 121	IN 122	SN 122	SN 123	SN 124	SB 124	SB 125	TE 127	TE 128	CS 133	
		-85.6100	-83.2000	-89.9425	-87.8030	-87.5840	-88.2750	-88.2950	-88.9780	-88.1600	
			-12.6793	-6.7324	-7.3184		-14.8106	-2.3849	-3.5610	-15.4363	
			0.8000	1.0000	0.5000	SN 124	0.0130	0.0314	0.1501	0.0363	
HE3	CD 121	CD 122	IN 122	IN 123	IN 124		SN 125	SB 127	SB 128	XE 133	
		UNKNOWN	-83.2000	-83.3000	-80.9000		-85.9330	-86.6950	-84.7000	-87.7320	
			2.2372	5.6742	7.5882	12.0726		9.7567	10.9405	-1.3898	
			1.0000	0.8000	1.0000	0.0111		0.1501	0.0314	0.0066	
HE4	CD 120	CD 121	IN 121	IN 122	IN 123	SN 123	SN 124	SB 126	SB 127	XE 132	
		UNKNOWN	-85.6100	-83.2000	-83.3000	-87.8030		-86.3300	-86.6950	-89.2719	
		-19.1852	-13.6938	-10.9762	-7.1993	-5.2753	-1.6939	-13.4679	-4.1628	-2.6529	-15.9552
		1.0800	0.3201	0.1202	0.6000	1.0000	0.0087	0.0075	0.0088	0.0103	0.0081
HE6	CD 118	CD 119	IN 119	IN 120	IN 121	SN 121	SN 122	SB 124	SB 125	XE 130	
		-86.6500	-84.0700	-87.5700	-85.5000	-85.6100	-89.2100	-89.9425	-87.5840	-88.2750	-89.8800
			-10.9664	0.3200			-1.7841	-16.7007		-1.4851	-15.4354
			0.3200	0.3200	MASS	MASS	1.0000	0.8000		0.0131	0.0121
LI6	AG 118	AG 119	CD 119	CD 120	CD 121	IN 121	IN 122	SN 124	SN 125	I 130	
		UNKNOWN	-84.0700	UNKNOWN	UNKNOWN	-85.6100	-83.2000		-85.9330	-86.8900	

-11-

50 SN 124

51 SB 121

MASS EXCESS -89.5932 +/- 0.0026 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.7982	7.9868	12.7057	15.8568	12.6681	1.7146	12.9362	15.1641	-4.1232
		0.0065	0.0065	0.0065	0.0056	0.0301	0.0066	0.0232	0.0057	0.2000
GAMMA	SB 121	SB 122	TE 122	TE 123	TE 124	I 124	I 125	XE 127	XE 128	LA 133
		-88.3200	-90.2910	-89.1630	-90.5000	-87.3300	-88.8830	-88.4410	-89.8500	-85.4700
		-9.2496	-2.0706	5.7623	6.4483	5.0767	-7.9099	5.5778	5.6837	-14.1046
		0.0075	0.0451	0.0065	0.0065	1.0000	0.0301	0.0085	0.0232	0.3000
N	SB 120	SB 121	TE 121	TE 122	TE 123	I 123	I 124	XE 126	XE 127	LA 132
		-88.4150	-88.3050	-90.2910	-89.1630	-87.8100	-87.3300	-89.1540	-88.4410	-83.5600
		-5.7820	0.3993	4.5737	7.2916	7.2122	-3.9574	5.1092	7.0094	-8.5022
		0.0043	0.0065	0.0065	0.0041	0.0065	0.0056	0.0075	0.0049	0.2800
P	SN 120	SN 121	SB 121	SB 122	SB 123	TE 123	TE 124	I 126	I 127	BA 132
		-91.1002	-89.2100	-88.3200	-89.2238	-89.1630	-90.5000	-87.9030	-88.9843	-88.3800
		-12.6675	-3.5575	-7.0251	0.5408	2.4932	-11.1414	0.2423	0.0812	-15.8371
		0.0040	0.0043	0.0075	0.0065	0.0065	0.0066	0.0066	0.0075	0.0172
D	SN 119	SN 120	SB 120	SB 121	SB 122	TE 122	TE 123	I 125	I 126	BA 131
		-90.0616	-91.1002	-88.4150	-88.3200	-90.2910	-89.1630	-88.8830	-87.9030	-86.8920
		-12.8911	-6.4101	-7.7712	-2.9922	-1.3068	-11.8274	-3.1247	-0.7528	-17.2121
		0.0046	0.0041	0.0202	0.0075	0.0451	0.0066	0.0301	0.0066	0.0212
T	SN 118	SN 119	SB 119	SB 120	SB 121	TE 121	TE 122	I 124	I 125	BA 130
		-91.6520	-90.0616	-89.4830	-88.4150	-88.3050	-90.2910	-87.3300	-88.8830	-87.3310
		-17.0745	-8.8831	-7.1739	-0.2884	-0.3646	-13.7798	0.0639	-0.5852	-17.6355
		0.4000	0.1200	0.0041	0.0043	0.0065	0.0066	0.0057	0.0066	0.0212
HE3	IN 118	IN 119	SN 119	SN 120	SN 121	SB 121	SB 122	TE 124	TE 125	CS 130
		-87.4500	-87.5700	-90.0616	-91.1002	-89.2100	-88.3200	-90.5000	-89.0320	-86.8890
		-3.0929	3.5035	6.9230	11.1796	14.0322	11.3284	11.2335	13.3894	-4.4279
		0.0103	0.4000	0.0046	0.0041	0.0043	0.0075	0.0066	0.0058	1.0000
HE4	IN 117	IN 118	SN 118	SN 119	SN 120	SB 120	SB 121	TE 123	TE 124	CS 129
		-88.9250	-87.4500	-91.6520	-90.0616	-91.1002	-88.4150	-89.1630	-90.5000	-87.5900
		-17.6494	-10.9250	-8.3797	-3.6631	-0.5894	-4.3041	-15.2836	-4.7980	-20.8504
		0.0093	0.0245	0.0065	0.0057	0.0061	0.0085	0.0206	0.0453	0.0602
HE6	IN 115	IN 116	SN 116	SN 117	SN 118	SB 118	SB 119	TE 121	TE 122	CS 127
		-89.5420	-88.1950	-91.5227	-90.3924	-91.6520	-87.9560	-89.4830	-88.3050	-90.2910
		-15.5926	-6.8979	-8.1976	-1.6207	-1.2816	2.9017	-11.1952	-0.4543	-15.2406
		0.0094	0.0042	0.0242	0.0104	0.4000	0.0047	0.0042	0.0067	0.0232
LI6	CD 115	CD 116	IN 116	IN 117	IN 118	SN 118	SN 119	SB 121	SB 122	XE 127
		-88.0890	-88.7123	-88.1950	-88.9250	-87.4500	-91.6520	-90.0616	-88.3200	-88.4410

51 SB 123

MASS EXCESS -89.2238 +/- 0.0031 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.4316	8.5652	12.9441	15.7792	13.6105	2.1853	13.5566	15.5635	-2.4038
			0.0068	0.0059	0.0068	0.0059	0.0077	0.0051	0.0057	0.0060	0.2200
GAMMA	SB 123	SB 124	TE 124	TE 125	TE 126	I 126	I 127	XE 129	XE 130	LA 135	
		-87.5840	-90.5000	-89.0320	-90.0530	-87.9030	-88.9843	-88.6920	-89.8800	-86.8200	
		-8.9752		-0.8432	6.3407	6.6867	6.5191	-6.9675	6.6432	6.3041	-12.2152
		0.0068		0.0068	0.0059	0.0068	0.0068	0.0077	0.0060	0.0057	0.0601
N	SB 122	SB 123	TE 123	TE 124	TE 125	I 125	I 126	XE 128	XE 129	LA 134	
		-88.3200	-89.1630	-90.5000	-89.0320	-88.8830	-87.9030	-89.8500	-88.6920	-85.0800	
		-6.5703	-0.6383		4.2071	6.7122	7.4506	-4.0350	5.2856	6.8975	-7.6608
		0.0051	0.0105		0.0068	0.0086	0.0068	0.0059	0.0087	0.0077	0.0391
P	SN 122	SN 123	SB 123	SB 124	SB 125	TE 125	TE 126	I 128	I 129	BA 134	
		-89.9425	-87.8030	-87.5840	-88.2750	-89.0320	-90.0530	-87.7100	-88.5030	-88.8520	
		-13.1497	-4.3458	-6.7507		0.1742	3.0716	-10.9030	0.7130	0.2576	-14.6877
		0.0068	0.0051	0.0068		0.0068	0.0059	0.0068	0.0052	0.0087	0.0361
D	SN 121	SN 122	SB 122	SB 123	SB 124	TE 124	TE 125	I 127	I 128	BA 133	
		-89.2100	-89.9425	-88.3200	-87.5840	-90.5000	-89.0320	-88.9843	-87.7100	-87.6720	
		-13.0735	-6.8923	-7.2916	-2.7178		-0.0794	-11.2490	-2.1823	-0.2821	-15.7937
		0.0046	0.0068	0.0041	0.0068		0.0068	0.0059	0.0077	0.0052	0.2800
T	SN 120	SN 121	SB 121	SB 122	SB 123	TE 123	TE 124	I 126	I 127	BA 132	
		-91.1002	-89.2100	-89.5932	-88.3200	-89.1630	-90.5000	-87.9030	-88.9843	-88.3800	
		-18.6551	-10.4737	-7.6561	-1.0767	-1.4022		-14.1464	-0.0137	-0.9528	-16.9621
		0.6000	1.0000	0.0068	0.0051	0.0105		0.0068	0.0060	0.0087	0.0252
HE3	IN 120	IN 121	SN 121	SN 122	SN 123	SB 123	SB 124	TE 126	TE 127	CS 132	
		-85.5000	-85.6100	-89.2100	-89.9425	-87.8030	-87.5840	-90.0530	-88.2950	-87.1930	
		-4.0785	1.9229	6.7406	10.6974	13.2439	11.6028		11.4719	13.3118	-3.5925
		0.1200	0.6000	0.0046	0.0068	0.0052	0.0068		0.0069	0.0060	0.0077
HE4	IN 119	IN 120	SN 120	SN 121	SN 122	SB 122	SB 123	TE 125	TE 126	CS 131	
		-87.5700	-85.5000	-91.1002	-89.2100	-89.9425	-88.3200	-89.0320	-90.0530	-88.0560	
		-17.8970	-11.3006	-7.8810	-3.6245	-0.7718	-3.4757	-14.8040	-3.5706	-1.4147	-19.2320
		0.0112	0.4000	0.0063	0.0059	0.0061	0.0086	0.0057	0.0079	0.0072	1.0000
HE6	IN 117	IN 118	SN 118	SN 119	SN 120	SB 120	SB 121	TE 123	TE 124	CS 129	
		-88.9250	-87.4500	-91.6520	-90.0616	-91.1002	-88.4150	-89.5932	-89.1630	-90.5000	-87.5900
		-16.9072	-8.5908	-8.5732	-2.6063	-2.8622	2.7193	-11.6774		-0.8209	-14.6202
		0.0144	1.0800	0.4000	0.1200	0.6000	0.0047	0.0069		0.0069	0.0057
LI6	CD 117	CD 118	IN 118	IN 119	IN 120	SN 120	SN 121	SB 123	SB 124	XE 129	
		-86.4050	-86.6500	-87.4500	-87.5700	-85.5000	-91.1002	-89.2100	-87.5840	-88.6920	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2	
OUTGOING											
GAMMA	TE 120	6.9764	3.8390	9.8869	13.3600	10.5413	0.4748	9.0384	11.8483	-7.0400	
		0.0468	0.0712	0.0421	1.0001	1.0101	0.1406	0.4002	0.0614	1.0401	
		TE 121	I 121	I 122	I 123	XE 123	XE 124	CS 126	CS 127	CE 132	
		-88.3050	-85.9500	-86.1510	-87.8100	-85.0100	-87.4500	-84.3500	-86.3410	-82.3600	
N		-10.2824		-6.1824	1.6145	3.6295		-10.0367	0.5270	1.7859	-18.7614
		0.0239		1.0001	0.0712	0.0421	MASS	1.0101	1.0001	0.4002	0.3003
	TE 119	TE 120	I 120	I 121	I 122	XE 122	XE 123	CS 125	CS 126	CE 131	
		-87.1890	-84.0000	-85.9500	-86.1510	UNKNOWN	-85.0100	-83.9100	-84.3500	-78.7100	
P		-7.2060	-0.2025		4.7519	8.5520	4.3934	-6.4542	4.3794	7.3723	-12.7590
		0.0239	0.0148		0.0468	0.0143	0.0421	1.0001	1.0001	0.0153	0.0517
	SB 119	SB 120	TE 120	TE 121	TE 122	I 122	I 123	XE 125	XE 126	LA 131	
		-89.4830	-88.4150		-88.3050	-90.2910	-86.1510	-87.8100	-86.9800	-89.1540	-83.9300
D		-14.5799	-4.9815	-8.0579		0.7190	-1.6546	-13.9602	-0.9975	-0.6486	-20.8059
		0.0148	0.0239	0.0239		0.0468	0.0712	0.0421	0.1406	1.0001	1.0001
	SB 118	SB 119	TE 119	TE 120	TE 121	I 121	I 122	XE 124	XE 125	LA 130	
		-87.9560	-89.4830	-87.1890		-88.3050	-85.9500	-86.1510	-87.4500	-86.9800	-81.7300
T		-15.7779	-8.3225	-9.4010	-4.0250		-5.4186	-15.9752	-5.2515	-1.9926	-23.2099
		0.0327	0.0148	1.0001	0.0239		1.0001	0.0712	1.0101	0.1406	1.4101
	SB 117	SB 118	TE 118	TE 119	TE 120	I 120	I 121	XE 123	XE 124	LA 129	
		-88.5720	-87.9560	-87.6600	-87.1890		-84.0000	-85.9500	-85.0100	-87.4500	-81.1400
HE3		-13.9389	-4.6079	-9.0863	-1.7124	-0.9664		-13.6016	-2.4329	-2.0940	-19.1913
		0.0134	0.0135	0.0148	0.0239	0.0148		0.0468	1.0001	0.0327	1.0001
	SN 117	SN 118	SB 118	SB 119	SB 120	TE 120	TE 121	I 123	I 124	BA 129	
		-90.3924	-91.6520	-87.9560	-89.4830	-88.4150		-88.3050	-87.8100	-87.3300	-85.1400
HE4		-0.3020	6.6391	4.0362	9.2672	12.6082	10.2956		8.4147	10.8926	-6.6047
		0.0137	0.0134	0.0327	0.0148	0.0239	0.0239		0.0421	1.0001	1.0001
	SN 116	SN 117	SB 117	SB 118	SB 119	TE 119	TE 120	I 122	I 123	BA 128	
		-91.5227	-90.3924	-88.5720	-87.9560	-89.4830	-87.1890		-86.1510	-87.8100	-85.2200
HE6		-16.4332	-8.8958	-12.7082	-6.8923	-3.4762	-6.9969	-16.9134	-8.9098	-6.1409	MASS
		0.0158	0.0153	0.0250	0.0518	0.0329	0.0615	1.0001	1.0001	0.0713	BA 126
	SN 114	SN 115	SB 115	SB 116	SB 117	TE 117	TE 118	I 120	I 121	UNKNOWN	
		-90.5650	-90.0310	-87.0010	-86.9700	-88.5720	-85.0700	-87.6600	-84.0000	-85.9500	
LI6		-14.9034	-5.8750	-6.1684	1.1702	1.8540	0.0149	-13.1076		-0.2761	-19.1384
		0.0153	0.0153	0.0148	0.0138	0.0134	0.0327	0.0148		0.0469	0.4002
	IN 114	IN 115	SN 115	SN 116	SN 117	SB 117	SB 118	TE 120	TE 121	CS 126	
		-88.5850	-89.5420	-90.0310	-91.5227	-90.3924	-88.5720	-87.9560		-88.3050	-84.3500

52 TE 122

MASS EXCESS -90.2910 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.9434	4.8080	10.1749	13.5420	11.6203	1.2878	9.7174	12.2063	-5.3510
		0.0085	1.0000	0.0306	0.0085	1.0000	0.0100	0.0306	1.0000	0.0902
GAMMA	TE 122	TE 123	I 123	I 124	I 125	XE 125	XE 126	CS 128	CS 129	CE 134
		-89.1630	-87.8100	-87.3300	-88.8830	-86.9800	-89.1540	-85.9200	-87.5900	-84.9400
	-10.0574		-4.9225	2.5835	3.9175	4.0189	-8.9577	2.0670	2.4649	-15.6924
	0.0454		0.0404	1.0000	0.0306	0.1401	1.0000	0.0603	0.0306	1.0200
N	TE 121	TE 122	I 122	I 123	I 124	XE 124	XE 125	CS 127	CS 128	CE 133
	-88.3050		-86.1510	-87.8100	-87.3300	-87.4500	-86.9800	-86.3410	-85.9200	-82.6700
	-7.9868	-1.1885		4.7189	7.8700	4.6813	-6.2722	4.9494	7.1773	-12.1100
	0.0065	0.0085		0.0085	0.0078	0.0306	0.0085	0.0238	0.0079	0.2001
P	SB 121	SB 122	TE 122	TE 123	TE 124	I 124	I 125	XE 127	XE 128	LA 133
	-89.5932	-88.3200		-89.1630	-90.5000	-87.3300	-88.8830	-88.4410	-89.8500	-85.4700
	-15.0119	-5.7623	-7.8329		0.6860	-0.6856	-13.6722	-0.1845	-0.0786	-19.8669
	0.0092	-0.0065	0.0454		0.0085	1.0000	0.0306	0.0101	0.0238	0.3001
D	SB 120	SB 121	TE 121	TE 122	TE 123	I 123	I 124	XE 126	XE 127	LA 132
	-88.4150	-89.5932	-88.3050		-89.1630	-87.8100	-87.3300	-89.1540	-88.4410	-83.5600
	-15.7579	-8.7545	-8.5520	-3.8000		-4.1586	-15.0062	-4.1725	-1.1796	-21.3109
	0.0209	0.0092	0.0143	0.0454		0.0404	1.0000	1.0000	0.0101	0.0504
T	SB 119	SB 120	TE 120	TE 121	TE 122	I 122	I 123	XE 125	XE 126	LA 131
	-89.4830	-88.4150	-89.4000	-88.3050		-86.1510	-87.8100	-86.9800	-89.1540	-83.9300
	-15.1607	-6.0507	-9.5183	-2.4932	-1.9524		-13.6346	-2.2509	-2.4120	-18.3303
	0.0068	0.0069	0.0092	0.0065	0.0085		0.0085	0.0086	0.0093	0.0180
HE3	SN 119	SN 120	SB 120	SB 121	SB 122	TE 122	TE 123	I 125	I 126	BA 131
	-90.0616	-91.1002	-88.4150	-89.5932	-88.3200		-89.1630	-88.8830	-87.9030	-86.8920
	-1.0637	5.4173	4.0562	8.8352	11.8274	10.5206		8.7027	11.0746	-5.3847
	0.0071	0.0068	0.0209	0.0092	0.0066	0.0454		0.0306	0.0086	0.0218
HE4	SN 118	SN 119	SB 119	SB 120	SB 121	TE 121	TE 122	I 124	I 125	BA 130
	-91.6520	-90.0616	-89.4830	-88.4150	-89.5932	-88.3050		-87.3300	-88.8830	-87.3310
	-16.3665	-9.4254	-12.0282	-6.7973	-3.4563	-5.7689	-16.0645	-7.6498	-5.1719	-22.6692
	0.0084	0.0079	0.0309	0.0101	0.0213	0.0213	0.0149	0.0407	1.0000	1.0000
HE6	SN 116	SN 117	SB 117	SB 118	SB 119	TE 119	TE 120	I 122	I 123	BA 128
	-91.5227	-90.3924	-88.5720	-87.9560	-89.4830	-87.1890	-89.4000	-86.1510	-87.8100	-85.2200
	-16.1844	-7.3830	-6.6980	0.4085	0.6321	0.0349	-13.5396		-0.3091	-18.4594
	0.0248	0.0117	0.0069	0.0072	0.0068	0.0209	0.0093		0.0086	0.0306
LI6	IN 116	IN 117	SN 117	SN 118	SN 119	SB 119	SB 120	TE 122	TE 123	CS 128
	-88.1950	-88.9250	-90.3924	-91.6520	-90.0616	-89.4830	-88.4150		-89.1630	-85.9200

52 TE 123
 MASS EXCESS -89.1630 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		9.4084	5.4560	12.8559	13.6899	14.9223	1.7028	12.5154	12.6333	-4.5330
		0.0078	0.0306	0.0085	0.0092	0.0100	0.0238	1.0000	0.0219	1.4200
GAMMA	TE 123	TE 124	I 124	I 125	I 126	XE 126	XE 127	CS 129	CS 130	CE 135
		-90.5000	-87.3300	-88.8830	-87.9030	-89.1540	-88.4410	-87.5900	-86.8890	-84.6300
		-6.9434	-2.1354	3.2315	6.5985	4.6769	-5.6557	2.7740	5.2629	-12.2944
		0.0085	1.0000	0.0306	0.0085	1.0000	0.0100	0.0306	1.0000	0.0902
N	TE 122	TE 123	I 123	I 124	I 125	XE 125	XE 126	CS 128	CS 129	CE 134
		-90.2910	-87.8100	-87.3300	-88.8830	-86.9800	-89.1540	-85.9200	-87.5900	-84.9400
		-8.1320	0.8433	7.1839	7.5300	7.3624	-6.1242	7.4864	7.1473	-11.3720
		0.0085	0.0068	0.0078	0.0085	0.0085	0.0092	0.0079	0.0077	0.0603
P	SB 122	SB 123	TE 123	TE 124	TE 125	I 125	I 126	XE 128	XE 129	LA 134
		-88.3200	-89.2238	-90.5000	-89.0320	-88.8830	-87.9030	-89.8500	-88.6920	-85.0800
		-12.7057	-5.9075	-4.7189	3.1510	-0.0376	-10.9912	0.2305	2.4584	-16.8289
		0.0065	0.0085	0.0085	0.0078	0.0306	0.0085	0.0238	0.0079	0.2001
D	SB 121	SB 122	TE 122	TE 123	TE 124	I 124	I 125	XE 127	XE 128	LA 133
		-89.5932	-88.3200	-90.2910	-90.5000	-87.3300	-88.8830	-88.4410	-89.8500	-85.4700
		-15.6979	-6.4483	-8.5190	-0.6860	-1.3716	-14.3582	-0.8705	-0.7646	-20.5529
		0.0092	0.0065	0.0454	0.0085	1.0000	0.0306	0.0101	0.0238	0.3001
T	SB 120	SB 121	TE 121	TE 122	TE 123	I 123	I 124	XE 126	XE 127	LA 132
		-88.4150	-89.5932	-88.3050	-90.2910	-87.8100	-87.3300	-89.1540	-88.4410	-83.5600
		-12.9941	-6.8129	-7.2121	-2.6384	0.0794	-11.1696	-2.1029	-0.2027	-15.7143
		0.0069	0.0085	0.0065	0.0085	0.0068	0.0078	0.0093	0.0073	0.2801
HE3	SN 120	SN 121	SB 121	SB 122	SB 123	TE 123	TE 124	I 126	I 127	BA 132
		-91.1002	-89.2100	-89.5932	-88.3200	-89.2238	-90.5000	-87.9030	-88.9843	-88.3800
		-1.5261	7.5839	4.1162	11.1414	11.6822	13.6346	11.3837	11.2226	-4.6957
		0.0068	0.0069	0.0092	0.0066	0.0085	0.0085	0.0086	0.0093	0.0180
HE4	SN 119	SN 120	SB 120	SB 121	SB 122	TE 122	TE 123	I 125	I 126	BA 131
		-90.0616	-91.1002	-88.4150	-89.5932	-88.3200	-90.2910	-88.8830	-87.9030	-86.8920
		-16.3688	-7.0378	-11.5162	-4.1423	-3.3962	-2.4299	-16.0314	-4.8628	-21.6212
		0.0079	0.0082	0.0101	0.0213	0.0101	0.0149	0.0456	1.0000	1.0000
HE6	SN 117	SN 118	SB 118	SB 119	SB 120	TE 120	TE 121	I 123	I 124	BA 129
		-90.3924	-91.6520	-87.9560	-89.4830	-88.4150	-89.4000	-88.3050	-87.8100	-87.3300
		-14.3264	-7.7300	-4.3104	-0.0539	2.7987	0.0949	-11.2334	2.1559	-15.6614
		0.0117	0.4000	0.0072	0.0068	0.0070	0.0093	0.0066	0.0080	1.0000
LI6	IN 117	IN 118	SN 118	SN 119	SN 120	SB 120	SB 121	TE 123	TE 124	CS 129
		-88.9250	-87.4500	-91.6520	-90.0616	-91.1002	-88.4150	-89.5932	-90.5000	-87.5900

52 TE 124

MASS EXCESS -90.5000 +/- 0.0050 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			6.6034	5.6720	10.5389	13.4342	12.8723	1.7748	10.4774	12.4633	-3.9500
			0.0078	0.0078	0.0086	0.0064	0.0235	0.0071	0.0216	0.0087	0.4700
GAMMA	TE 124	TE 125	I 125	I 126	I 127	XE 127	XE 128	CS 130	CS 131	CE 136	
		-89.0320	-88.8830	-87.9030	-88.9843	-88.4410	-89.8500	-86.8890	-88.0560	-86.5500	
		-9.4084	-3.9524	3.4475	4.2815	5.5139	-7.7057	3.1070	3.2249	-13.9414	
		0.0078	0.0304	0.0078	0.0086	0.0094	0.0235	1.0000	0.0216	1.4200	
N	TE 123	TE 124	I 124	I 125	I 126	XE 126	XE 127	CS 129	CS 130	CE 135	
		-89.1630	-87.3300	-88.8830	-87.9030	-89.1540	-88.4410	-87.5900	-86.8890	-84.6300	
		-8.5652	-2.1335	4.3789	7.2140	5.0454	-6.3799	4.9914	6.9983	-10.9690	
		0.0059	0.0078	0.0078	0.0071	0.0086	0.0064	0.0070	0.0072	0.2201	
P	SB 123	SB 124	TE 124	TE 125	TE 126	I 126	I 127	XE 129	XE 130	LA 135	
		-89.2238	-87.5840	-89.0320	-90.0530	-87.9030	-88.9843	-88.6920	-89.8800	-86.8200	
		-15.3159	-6.3407	-7.1839	0.3460	0.1784	-13.3082	0.3025	-0.0366	-18.5559	
		0.0078	0.0059	0.0078	0.0078	0.0078	0.0086	0.0072	0.0070	0.0602	
D	SB 122	SB 123	TE 124	TE 128	TE 125	I 125	I 126	XE 128	XE 129	LA 134	
		-88.3200	-89.2238	-89.1630	-89.0320	-88.8830	-87.9030	-89.8500	-88.6920	-85.0800	
		-15.8567	-9.0585	-7.8700	-3.1510	-3.1886	-14.1422	-2.9205	-0.6926	-19.9799	
		0.0056	0.0078	0.0078	0.0078	0.0304	0.0078	0.0236	0.0072	0.2001	
T	SB 121	SB 122	TE 122	TE 123	TE 124	I 124	I 125	XE 127	XE 128	LA 133	
		-89.5932	-88.3200	-90.2910	-89.1630	-87.3300	-88.8830	-88.4410	-89.8500	-85.4700	
		-16.2213	-7.4174	-9.8223	-3.0716	-2.8974	-13.9746	-2.3586	-2.8140	-17.7593	
		0.0078	0.0065	0.0078	0.0059	0.0078	0.0078	0.0065	0.0095	0.0363	
HE3	SN 121	SN 122	SB 122	SB 123	SB 124	TE 124	TE 125	I 127	I 128	BA 133	
		-89.2100	-89.9425	-88.3200	-89.2238	-87.5840	-89.0320	-88.9843	-87.7100	-87.6720	
		-1.8245	4.3567	3.9574	8.5312	11.2490	11.1696	9.0667	10.9669	-4.5447	
		0.0061	0.0078	0.0056	0.0078	0.0059	0.0078	0.0087	0.0065	0.2800	
HE4	SN 120	SN 121	SB 121	SB 122	SB 123	TE 123	TE 124	I 126	I 127	BA 132	
		-91.1002	-89.2100	-89.5932	-88.3200	-89.2238	-89.1630	-87.9030	-88.9843	-88.3800	
		-16.4462	-9.9652	-11.3262	-6.5473	-3.5550	-4.8619	-15.3824	-6.6798	-4.3079	-20.7672
		0.0074	0.0071	0.0210	0.0095	0.0069	0.0455	0.0088	0.0307	0.0088	0.0220
HE6	SN 118	SN 119	SB 119	SB 120	SB 121	TE 121	TE 122	I 124	I 125	BA 130	
		-91.6520	-90.0616	-89.4830	-88.4150	-89.5932	-88.3050	-90.2910	-87.3300	-88.8830	-87.3310
		-17.1384	-8.9470	-7.2378	-0.3523	-0.4284	-0.0639	-13.8436	-0.6491	-17.6994	
		0.4000	0.1201	0.0060	0.0061	0.0079	0.0057	0.0079	0.0080	0.0216	
LI6	IN 118	IN 119	SN 119	SN 120	SN 121	SB 121	SB 122	TE 124	TE 125	CS 130	
		-87.4500	-87.5700	-90.0616	-91.1002	-89.2100	-89.5932	-88.3200	-89.0320	-86.8890	

52 TE 126

MASS EXCESS -90.0530 +/- 0.0050 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.3134	6.2203	10.7929	13.4000	13.5703	2.2517	11.2284	13.0143	-2.3330
			0.0094	0.0064	0.0094	0.0086	0.0069	0.0071	0.0255	0.0364	0.0502
GAMMA	TE 126	TE 127	I 127	I 128	I 129	XE 129	XE 130	CS 132	CS 133	CE 138	
		-88.2950	-88.9843	-87.7100	-88.5030	-88.6920	-89.8800	-87.1930	-88.1600	-87.7200	
		-9.0924	-2.9325	3.9958	4.5355	6.6569	-7.0077	4.0200	3.9759	-11.8044	
		0.0078	0.0086	0.0064	0.0094	0.0071	0.0069	0.0087	0.0255	1.4200	
N	TE 125	TE 126	I 126	I 127	I 128	XE 128	XE 129	CS 131	CS 132	CE 137	
		-89.0320	-87.9030	-88.9843	-87.7100	-89.8500	-88.6920	-88.0560	-87.1930	-86.3200	
		-9.0670	-2.9405	4.0889	6.5860	5.2993	-6.4142	5.1574	6.8372	-9.8220	
		0.0094	0.1501	0.0094	0.0071	0.0094	0.0086	0.0065	0.0068	1.0000	
P	SB 125	SB 126	TE 126	TE 127	TE 128	I 128	I 129	XE 131	XE 132	LA 137	
		-88.2750	-86.3300	-88.2950	-88.9780	-87.7100	-88.5030	-88.4110	-89.2719	-87.5200	
		-15.6049	-6.8425	-6.8679	0.0560	0.7267	-13.0542	0.7795	0.1294	-16.9189	
		0.0078	0.0094	0.0078	0.0094	0.0064	0.0094	0.0072	0.0065	0.1001	
D	SB 124	SB 125	TE 125	TE 126	TE 127	I 127	I 128	XE 130	XE 131	LA 136	
		-87.5840	-88.2750	-89.0320	-88.2950	-88.9843	-87.7100	-89.8800	-88.4110	-86.2700	
		-15.7792	-9.3475	-7.2140	-2.8350	-2.1686	-13.5939	-2.2225	-0.2156	-18.1830	
		0.0059	0.0078	0.0071	0.0078	0.0086	0.0064	0.0070	0.0072	0.2201	
T	SB 123	SB 124	TE 124	TE 125	TE 126	I 126	I 127	XE 129	XE 130	LA 135	
		-89.2238	-87.5840	-90.5000	-89.0320	-87.9030	-88.9843	-88.6920	-89.8800	-86.8200	
		-17.1813	-8.6759	-10.1114	-3.5734	-3.7044	-14.2646	-2.3929	-3.1870	-17.0043	
		0.0112	0.0070	0.0078	0.0094	0.1501	0.0094	0.0087	0.0121	0.1001	
HE3	SN 123	SN 124	SB 124	SB 125	SB 126	TE 126	TE 127	I 129	I 130	BA 135	
		-87.8030	-88.2370	-87.5840	-88.2750	-86.3300	-88.2950	-88.5030	-86.8900	-87.9800	
		-2.5352	3.3967	4.0350	8.2422	10.7472	11.4856	9.3207	10.9326	-3.6257	
		0.0065	0.0112	0.0059	0.0078	0.0094	0.0078	0.0095	0.0087	0.0393	
HE4	SN 122	SN 123	SB 123	SB 124	SB 125	TE 125	TE 126	I 128	I 129	BA 134	
		-89.9425	-87.8030	-89.2238	-87.5840	-88.2750	-89.0320	-87.7100	-88.5030	-88.8520	
		-16.5510	-10.3698	-10.7690	-6.1953	-3.4775	-3.5569	-14.7264	-5.6598	-3.7596	-19.2712
		0.0072	0.0088	0.0069	0.0088	0.0071	0.0088	0.0081	0.0096	0.0076	0.2801
HE6	SN 120	SN 121	SB 121	SB 122	SB 123	TE 123	TE 124	I 126	I 127	BA 132	
		-91.1002	-89.2100	-89.5932	-88.3200	-89.2238	-89.1630	-90.5000	-87.9030	-88.9843	-88.3800
		-18.6414	-10.4600	-7.6424	-1.0630	-1.3884	0.0137	-14.1327	-0.9391	-16.9484	
		0.6000	1.0000	0.0079	0.0066	0.0112	0.0060	0.0079	0.0096	0.0255	
LI6	IN 120	IN 121	SN 121	SN 122	SN 123	SB 123	SB 124	TE 126	TE 127	CS 132	
		-85.5000	-85.6100	-89.2100	-89.9425	-87.8030	-89.2238	-87.5840	-88.2950	-87.1930	

52 TE 130

MASS EXCESS -87.3370 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.8954	7.3926	11.5129	13.5430	15.3263	3.2083	13.0614	14.4203	-2.7060
		0.0209	0.0072	0.0092	0.0603	0.0365	0.0076	0.0802	0.0703	0.0474
GAMMA	TE 130	TE 131	I 131	I 132	I 133	XE 133	XE 134	CS 136	CS 137	CE 142
		-85.1610	-87.4406	-85.7140	-85.9300	-87.7320	-88.1205	-86.3100	-86.8500	-84.6310
		-8.3854	-1.2294	5.1681	5.2555	8.7948	-5.2517	6.4500	5.8089	-9.9164
		0.0108	0.0125	0.0072	0.0092	0.0074	0.0365	0.1002	0.0802	0.0180
N	TE 129	TE 130	I 130	I 131	I 132	XE 132	XE 133	CS 135	CS 136	CE 141
		-87.0230	-86.8900	-87.4406	-85.7140	-89.2719	-87.7320	-87.7700	-86.3100	-85.4920
		-10.1060	-4.6145	3.6709	5.5330	6.0194	-6.2712	6.0724	6.7033	-11.5640
		1.0000	1.0000	0.0209	0.0171	0.0092	0.0603	0.1002	0.0086	0.0355
P	SB 129	SB 130	TE 130	TE 131	TE 132	I 132	I 133	XE 135	XE 136	LA 141
		-84.5200	-81.9400	-85.1610	-85.2090	-85.7140	-85.9300	-86.6100	-86.4220	-83.0620
		-15.7729	-7.8815	-6.1609	-0.3620	1.8990	-12.3342	1.7360	1.0444	-16.1159
		0.1501	1.0000	0.0108	0.0209	0.0072	0.0092	0.0076	0.1002	0.0199
D	SB 128	SB 129	TE 129	TE 130	TE 131	I 131	I 132	XE 134	XE 135	LA 140
		-84.7000	-84.5200	-87.0230	-85.1610	-87.4406	-85.7140	-88.1205	-86.6100	-84.3570
		-15.5919	-9.5155	-6.0200	-2.1280	-0.4656	-12.4216	-0.4665	0.7409	-14.8589
		0.0316	0.1501	0.0078	0.0108	0.0125	0.0072	0.0365	0.0076	0.0494
T	SB 127	SB 128	TE 128	TE 129	TE 130	I 130	I 131	XE 133	XE 134	LA 139
		-86.6950	-84.7000	-88.9780	-87.0230	-86.8900	-87.4406	-87.7320	-88.1205	-87.4280
		-18.6683	-10.7969	-10.2793	-4.6124	-5.3784	-14.6826	-2.2499	-3.3910	-17.1383
		1.0000	0.2101	0.1501	1.0000	1.0000	0.0209	0.0603	0.0603	0.0504
HE3	SN 127	SN 128	SB 128	SB 129	SB 130	TE 130	TE 131	I 133	I 134	BA 139
		-83.6000	-83.4000	-84.7000	-84.5200	-81.9400	-85.1610	-85.9300	-83.9700	-85.1300
		-3.7317	1.9097	4.2222	8.0742	9.7082	12.1926	10.0407	11.0756	-1.2717
		1.0100	1.0000	0.0316	0.1501	1.0000	0.0108	0.0093	0.0603	0.0504
HE4	SN 126	SN 127	SB 127	SB 128	SB 129	TE 129	TE 130	I 132	I 133	BA 138
		-86.0300	-83.6000	-86.6950	-84.7000	-84.5200	-87.0230	-85.7140	-85.9300	-88.4900
		-16.6982	-10.9308	-9.3712	-5.4693	-3.2902	-1.7089	-13.5324	-3.9568	-15.7952
		0.0087	0.0140	0.0108	0.1502	0.0318	0.0108	0.0088	0.0132	0.0083
HE6	SN 124	SN 125	SB 125	SB 126	SB 127	TE 127	TE 128	I 130	I 131	BA 136
		-88.2370	-85.9330	-88.2750	-86.3300	-86.6950	-88.2950	-88.9780	-86.8900	-87.4406
		-20.5254	-8.2034	-2.2595	-2.8754	0.2009	-14.3006	-1.3571	-15.1154	
		0.5000	MASS	0.0135	1.0100	1.0000	0.0316	0.1501	0.0209	0.0802
LI6	IN 124	IN 125	SN 125	SN 126	SN 127	SB 127	SB 128	TE 130	TE 131	CS 136
		-80.9000	UNKNOWN	-85.9330	-86.0300	-83.6000	-86.6950	-84.7000	-85.1610	-86.3100

54 XE 124

MASS EXCESS -87.4500 +/- 0.1400 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
GAMMA	XE 124	7.6014	3.7490	10.0359	13.8410	10.0613	0.1948	8.3684	11.3873	
		1.0098	1.0098	0.4238	0.1523	1.0692	1.0098	1.0098	0.1487	MASS
		XE 125	CS 125	CS 126	CS 127	BA 127	BA 128	LA 130	LA 131	ND 136
		-86.9800	-83.9100	-84.3500	-86.3410	-82.5800	-85.2200	-81.7300	-83.9300	UNKNOWN
N		-10.5114		1.5245	3.7785		-10.5167	-0.2930	1.1159	
		1.0197	MASS	1.0098	0.4238	MASS	1.0692	1.4169	1.0098	MASS
	XE 123	XE 124	CS 124	CS 125	CS 126	BA 126	BA 127	LA 129	LA 130	ND 135
		-85.0100	UNKNOWN	-83.9100	-84.3500	UNKNOWN	-82.5800	-81.1400	-81.7300	UNKNOWN
P		-6.9290	0.6625	5.3769	9.3650	4.5424	-5.9732	4.4894	7.4993	
		1.0098	0.1432	1.0098	0.1402	0.4238	0.1523	1.0098	0.1416	MASS
	I 123	I 124	XE 124	XE 125	XE 126	CS 126	CS 127	BA 129	BA 130	PR 135
		-87.8100	-87.3300	-86.9800	-89.1540	-84.3500	-86.3410	-85.1400	-87.3310	UNKNOWN
D		-14.4349	-4.7045	-8.2869	1.3440	-1.7446	-13.8112	-1.2775	-0.5386	
		0.1456	1.0098	1.0197	1.0098	1.0098	0.4238	1.0098	1.0098	MASS
	I 122	I 123	XE 123	XE 124	XE 125	CS 125	CS 126	BA 128	BA 129	PR 134
		-86.1510	-87.8100	-85.0100	-86.9800	-83.9100	-84.3500	-85.2200	-85.1400	UNKNOWN
T		-16.4499	-8.1775	-4.2540			-16.0652	-5.7315	-2.2726	
		0.1565	0.1456	1.0197		MASS	1.0098	1.0692	1.0098	MASS
	I 121	I 122	XE 122	XE 123	XE 124	CS 124	CS 125	BA 127	BA 128	PR 133
		-85.9500	-86.1510	UNKNOWN	-85.0100	UNKNOWN	-83.9100	-82.5800	-85.2200	UNKNOWN
HE3		-14.0763	-4.0189	-8.9413	-1.4354	-0.1014		-12.9766	-1.9519	-1.5540
		0.1471	0.1401	0.1456	1.0098	0.1432		1.0098	0.1523	0.1432
	TE 121	TE 122	I 122	I 123	I 124	XE 124	XE 125	CS 127	CS 128	CE 133
		-88.3050	-90.2910	-86.1510	-87.8100	-87.3300	-86.9800	-86.3410	-85.9200	-82.6700
HE4		-0.4747	6.5017	3.3642	9.4122	12.8852	10.0666	8.5637	11.3736	-7.5147
		0.1406	0.1471	0.1565	0.1456	1.0098	1.0197	0.4238	0.1523	1.0494
	TE 120	TE 121	I 121	I 122	I 123	XE 125	XE 124	CS 126	CS 127	CE 132
		-89.4000	-88.3050	-85.9500	-86.1510	-87.8100	-85.0100	-84.3500	-86.3410	-82.3600
HE6		-17.3882	-9.7878	-7.9123	-4.1482	-7.9569			-6.2309	
		1.0098	0.1415	1.0098	0.1566	0.1844	MASS	MASS	1.0098	MASS
	TE 118	TE 119	I 119	I 120	I 121	XE 121	XE 122	CS 124	CS 125	CE 130
		-87.6600	-87.1890	UNKNOWN	-84.0000	-85.9500	-82.1600	UNKNOWN	-83.9100	UNKNOWN
LI6		-13.5824	-3.9840	-7.0604	0.9975	1.7166	-0.6571	-12.9626	0.3489	-19.8084
		0.1402	0.1414	0.1414	0.1406	0.1471	0.1565	0.1456	1.0098	1.0098
	SB 118	SB 119	TE 119	TE 120	TE 121	I 121	I 122	XE 124	XE 125	LA 130
		-87.9560	-89.4830	-87.1890	-89.4000	-88.3050	-85.9500	-86.1510	-86.9800	-81.7300

54 XE 126

MASS EXCESS -89.1540 +/- 0.0080 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		-7.3584	4.4760	9.9019	13.3860	10.9173	0.6018	8.4944	11.2233	
		0.0244	0.0605	0.0310	1.0000	1.0000	0.0225	0.3001	0.2002	MASS
GAMMA	XE 126	XE 127	CS 127	CS 128	CS 129	BA 129	BA 130	LA 132	LA 133	ND 138
		-88.4410	-86.3410	-85.9200	-87.5900	-85.1400	-87.3310	-83.5600	-85.4700	UNKNOWN
		-10.2454	-5.5864	2.2515	3.6445	2.9259	-9.6607	0.7930	1.2419	
		1.0000	0.4001	0.0605	0.0310	1.0000	1.0000	0.0506	0.3001	MASS
N	XE 125	XE 126	CS 126	CS 127	CS 128	BA 128	BA 129	LA 131	LA 132	ND 137
		-86.9800	-84.3500	-86.3410	-85.9200	-85.2200	-85.1400	-83.9300	-83.5600	UNKNOWN
		-7.5600	-0.4685	5.1339	8.3570	4.4083	-6.4282	4.5374	6.8443	-12.9430
		0.0100	0.0106	0.0244	0.0094	0.0310	1.0000	0.0188	0.2801	1.4200
P	I 125	I 126	XE 126	XE 127	XE 128	CS 128	CS 129	BA 131	BA 132	PR 137
		-88.8830	-87.9030	-88.4410	-89.8500	-85.9200	-87.5900	-86.8920	-88.3800	-83.5000
		-14.9599	-5.3355	-8.0209	1.1010	-1.0176	-13.9452	-0.8705	-0.4906	
		0.0310	0.0100	1.0000	0.0244	0.0605	0.0311	0.0225	0.0188	MASS
D	I 124	I 125	XE 125	XE 126	XE 127	CS 127	CS 128	BA 130	BA 131	PR 136
		-87.3300	-88.8830	-86.9800	-88.4410	-86.3410	-85.9200	-87.3310	-86.8920	UNKNOWN
		-16.2939	-8.7025	-9.3650	-3.9880	-4.8226	-15.3382	-4.8755	-1.8656	
		1.0000	0.0310	0.1402	1.0000	0.4001	0.0605	1.0000	0.0225	MASS
T	I 123	I 124	XE 124	XE 125	XE 126	CS 126	CS 127	BA 129	BA 130	PR 135
		-87.8100	-87.3300	-87.4500	-86.9800	-84.3500	-86.3410	-85.1400	-87.3310	UNKNOWN
		-14.9223	-5.5139	-9.4663	-2.0664	-1.2324	-13.2196	-2.4069	-2.2890	-19.4553
		0.0100	0.0094	0.0310	0.0100	0.0106	0.0244	1.0000	0.0225	1.4200
HE3	TE 123	TE 124	I 124	I 125	I 126	XE 126	XE 127	CS 129	CS 130	CE 135
		-89.1630	-90.5000	-87.3300	-88.8830	-87.9030	-88.4410	-87.5900	-86.8890	-84.6300
		-1.2877	5.6557	3.5202	8.8872	12.2542	10.3326	8.4297	10.9186	-6.6388
		0.0100	0.0100	1.0000	0.0311	0.0100	1.0000	0.0311	1.0000	0.0904
HE4	TE 122	TE 123	I 123	I 124	I 125	XE 125	XE 126	CS 128	CS 129	CE 134
		-90.2910	-89.1630	-87.8100	-87.3300	-88.8830	-86.9800	-85.9200	-87.5900	-84.9400
		-17.3522	-10.3758	-13.5132	-7.4653	-3.9922	-6.8109	-16.8774	-8.3138	-24.3922
		0.0158	0.0459	0.0706	0.0410	1.0000	1.0100	0.1403	0.4001	0.0607
HE6	TE 120	TE 121	I 121	I 122	I 123	XE 123	XE 124	CS 126	CS 127	CE 132
		-89.4000	-88.3050	-85.9500	-86.1510	-87.8100	-85.0100	-87.4500	-84.3500	-86.3410
		-14.8274	-5.5778	-7.6484	0.1845	0.8706	-0.5011	-13.4876	0.1059	-19.6824
		0.0107	0.0085	0.0457	0.0101	0.0101	1.0000	0.0311	0.0244	0.3001
LI6	SB 120	SB 121	TE 121	TE 122	TE 123	I 123	I 124	XE 126	XE 127	LA 132
		-88.4150	-89.5932	-88.3050	-90.2910	-89.1630	-87.8100	-87.3300	-88.4410	-83.5600

54 Xe 126

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54 XE 128

MASS EXCESS -89.8500 +/- 0.0050 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.9134	5.0290	10.1749	13.1559	11.9733	0.9548	9.3184	11.8773	-5.3650
			0.0069	1.0000	0.0216	0.0086	0.0177	0.2800	0.0602	0.2201	1.0000
GAMMA	XE 128	XE 129	CS 129	CS 130	CS 131	BA 131	BA 132	LA 134	LA 135	ND 140	
		-88.6920	-87.5900	-86.8890	-88.0560	-86.8920	-88.3800	-85.0800	-86.8200	-84.4850	
		-9.4804	-4.7125	2.8045	3.9175	4.3409	-8.6047	1.6370	2.0659	-15.5614	
		0.0235	0.0304	1.0000	0.0216	0.0216	0.0177	0.2001	0.0602	1.0100	
N	XE 127	XE 128	CS 128	CS 129	CS 130	BA 130	BA 131	LA 133	LA 134	ND 139	
		-88.4410	-85.9200	-87.5900	-86.8890	-87.3310	-86.8920	-85.4700	-85.0800	-82.3600	
		-8.1547	-1.3575	4.6889	7.6910	4.6813	-6.6582	4.6214	6.6203	-12.0910	
		0.0064	0.0094	0.0069	0.0071	0.0216	0.0086	0.0364	0.0393	0.0542	
P	I 127	I 128	XE 128	XE 129	XE 130	CS 130	CS 131	BA 133	BA 134	PR 139	
		-88.9843	-87.7100	-88.6920	-89.8800	-86.8890	-88.0560	-87.6720	-88.8520	-85.0480	
		-15.0829	-5.9302	-7.2559	0.6560	-0.4646	-13.6722	-0.5175	-0.4066	-20.0559	
		0.0086	0.0064	0.0235	0.0069	1.0000	0.0216	0.2800	0.0364	0.0542	
D	I 126	I 127	XE 127	XE 128	XE 129	CS 129	CS 130	BA 132	BA 133	PR 138	
		-87.9030	-88.9843	-88.4410	-88.6920	-87.5900	-86.8890	-88.3800	-87.6720	-82.9300	
		-15.9169	-8.8255	-8.3570	-3.2230	-3.9486	-14.7852	-3.8195	-1.5126	-21.2999	
		0.0078	0.0086	0.0094	0.0235	0.0304	1.0000	0.0178	0.2800	1.4200	
T	I 125	I 126	XE 126	XE 127	XE 128	CS 128	CS 129	BA 131	BA 132	PR 137	
		-88.8830	-87.9030	-89.1540	-88.4410	-85.9200	-87.5900	-86.8920	-88.3800	-83.5000	
		-15.7493	-6.6569	-9.5893	-2.6611	-2.1214	-13.6646	-2.6369	-2.6810	-18.4613	
		0.0078	0.0071	0.0086	0.0064	0.0094	0.0069	0.0087	0.0255	1.4200	
HE3	TE 125	TE 126	I 126	I 127	I 128	XE 128	XE 129	CS 131	CS 132	CE 137	
		-89.0320	-90.0530	-87.9030	-88.9843	-87.7100	-88.6920	-88.0560	-87.1930	-86.3200	
		-1.7747	4.8287	3.8972	8.7642	11.6595	11.0976	8.7027	10.6885	-5.7247	
		0.0071	0.0078	0.0078	0.0086	0.0064	0.0235	0.0216	0.0087	0.4700	
HE4	TE 124	TE 125	I 125	I 126	I 127	XE 127	XE 128	CS 130	CS 131	CE 136	
		-90.5000	-89.0320	-88.8830	-87.9030	-88.9843	-88.4410	-86.8890	-88.0560	-86.5500	
		-17.1572	-10.2138	-12.3492	-6.9823	-3.6152	-5.5369	-15.8694	-7.4398	-4.9509	-22.5082
		0.0088	0.0088	1.0000	0.0307	0.0088	1.0000	0.0103	0.0307	1.0000	0.0902
HE6	TE 122	TE 123	I 123	I 124	I 125	XE 125	XE 126	CS 128	CS 129	CE 134	
		-90.2910	-89.1630	-87.8100	-87.3300	-88.8830	-86.9800	-89.1540	-85.9200	-87.5900	-84.9400
		-15.6184	-6.6432	-7.4864	-0.3025	0.0435	-0.1241	-13.6107	-0.3391	-18.8584	
		0.0079	0.0060	0.0079	0.0072	0.0079	0.0079	0.0087	0.0070	0.0602	
LI6	SB 122	SB 123	TE 123	TE 124	TE 125	I 125	I 126	XE 128	XE 129	LA 134	
		-88.3200	-89.2238	-89.1630	-90.5000	-89.0320	-88.8830	-87.9030	-88.6920	-85.0800	

54 XE 129

MASS EXCESS -88.6920 +/- 0.0047 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		9.2594	5.4860	12.4999	13.4509	14.6193	1.4047	12.2164	12.4853	-4.4200
		0.0069	0.0215	0.0084	0.0254	0.2800	0.0363	0.2201	0.1001	0.0205
GAMMA	XE 129	XE 130	CS 130	CS 131	CS 132	BA 132	BA 133	LA 135	LA 136	ND 141
		-89.8800	-86.8890	-88.0560	-87.1930	-88.3800	-87.6720	-86.8200	-86.2700	-84.2720
		-6.9134	-1.8844	3.2615	6.2425	5.0599	-5.9587	2.4050	4.9639	-12.2784
		0.0069	1.0000	0.0215	0.0084	0.0176	0.2800	0.0602	0.2201	1.0000
N	XE 128	XE 129	CS 129	CS 130	CS 131	BA 131	BA 132	LA 134	LA 135	ND 140
		-89.8500	-87.5900	-86.8890	-88.0560	-86.8920	-88.3800	-85.0800	-86.8200	-84.4850
		-8.2710	0.5935	7.0349	7.3800	7.0063	-6.3632	6.9594	6.9063	-11.1960
		0.0093	0.0084	0.0069	0.0062	0.0084	0.0254	0.0393	0.1001	0.0254
P	I 128	I 129	XE 129	XE 130	XE 131	CS 131	CS 132	BA 134	BA 135	PR 140
		-87.7100	-88.5030	-89.8800	-88.4110	-88.0560	-87.1930	-88.8520	-87.9800	-84.7850
		-12.8436	-6.0465	-4.6889	3.0020	-0.0076	-11.3472	-0.0675	1.9314	-16.7799
		0.0062	0.0093	0.0069	0.0069	0.0215	0.0084	0.0363	0.0393	0.0542
D	I 127	I 128	XE 128	XE 129	XE 130	CS 130	CS 131	BA 133	BA 134	PR 139
		-88.9843	-87.7100	-89.8500	-89.8800	-86.8890	-88.0560	-87.6720	-88.8520	-85.0480
		-15.7389	-6.5862	-7.9120	-0.6560	-1.1206	-14.3282	-1.1735	-1.0626	-20.7119
		0.0084	0.0062	0.0235	0.0069	1.0000	0.0215	0.2800	0.0363	0.0542
T	I 126	I 127	XE 127	XE 128	XE 129	CS 129	CS 130	BA 132	BA 133	PR 138
		-87.9030	-88.9843	-88.4410	-89.8500	-87.5900	-86.8890	-88.3800	-87.6720	-82.9300
		-13.5703	-7.2569	-7.3500	-2.7774	-0.1704	-11.3186	-2.3419	-0.5560	-15.9033
		0.0069	0.0093	0.0062	0.0093	0.0084	0.0069	0.0255	0.0363	0.0502
HE3	TE 126	TE 127	I 127	I 128	I 129	XE 129	XE 130	CS 132	CS 133	CE 138
		-90.0530	-88.2950	-88.9843	-87.7100	-88.5030	-89.8800	-87.1930	-88.1600	-87.7200
		-2.0848	7.0077	4.0752	11.0035	11.5432	13.6646	11.0277	10.9836	-4.7968
		0.0076	0.0069	0.0084	0.0062	0.0093	0.0069	0.0085	0.0255	1.4200
HE4	TE 125	TE 126	I 126	I 127	I 128	XE 128	XE 129	CS 131	CS 132	CE 137
		-89.0320	-90.0530	-87.9030	-88.9843	-87.7100	-89.8500	-88.0560	-87.1930	-86.3200
		-17.1272	-7.7188	-11.6712	-4.2713	-3.4373	-2.2049	-15.4244	-4.6118	-4.4939
		0.0086	0.0079	0.0306	0.0086	0.0093	0.0101	0.0238	1.0000	0.0219
HE6	TE 123	TE 124	I 124	I 125	I 126	XE 126	XE 127	CS 129	CS 130	CE 135
		-89.1630	-90.5000	-87.3300	-88.8830	-87.9030	-89.1540	-88.4410	-87.5900	-86.8890
		-13.5566	-7.1250	-4.9914	-0.6125	2.2226	0.0539	-11.3714	2.0069	-15.9604
		0.0057	0.0077	0.0070	0.0077	0.0070	0.0085	0.0063	0.0070	0.2201
LI6	SB 123	SB 124	TE 124	TE 125	TE 126	I 126	I 127	XE 129	XE 130	LA 135
		-89.2238	-87.5840	-90.5000	-89.0320	-90.0530	-87.9030	-88.9843	-89.8800	-86.8200

54 XE 130

MASS EXCESS -89.8800 +/- 0.0050 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.6024	5.4650	10.4489	13.2299	12.7233	1.3968	10.4784	12.5473	-3.8700
		0.0064	0.0086	0.0255	0.0363	0.0363	0.0393	0.1001	1.0000	0.0149
GAMMA	XE 130	XE 131	CS 131	CS 132	CS 133	BA 133	BA 134	LA 136	LA 137	ND 142
		-88.4110	-88.0560	-87.1930	-88.1600	-87.6720	-88.8520	-86.2700	-87.5200	-86.0100
		-9.2594	-3.7734	3.2405	4.1915	5.3599	-7.8547	2.9570	3.2259	-13.6794
		0.0069	0.0216	0.0086	0.0255	0.2800	0.0363	0.2201	0.1001	0.0206
N	XE 129	XE 130	CS 130	CS 131	CS 132	BA 132	BA 133	LA 135	LA 136	ND 141
		-88.6920	-86.8890	-88.0560	-87.1930	-88.3800	-87.6720	-86.8200	-86.2700	-84.2720
		-8.6660	-2.2075	4.3779	7.0529	4.9553	-6.5842	4.8994	6.8783	-11.0970
		0.0086	0.0121	0.0064	0.0067	0.0255	0.0363	0.1001	0.0802	0.0177
P	I 129	I 130	XE 130	XE 131	XE 132	CS 133	CS 133	BA 135	BA 136	PR 141
		-88.5030	-86.8900	-88.4110	-89.2719	-87.1930	-88.1600	-87.9800	-89.1400	-86.0720
		-15.3059	-6.4415	-7.0349	0.3450	-0.0286	-13.3982	-0.0755	-0.1286	-18.2309
		0.0094	0.0086	0.0069	0.0064	0.0086	0.0255	0.0393	0.1001	0.0255
D	I 128	I 129	XE 129	XE 130	XE 131	CS 131	CS 132	BA 134	BA 135	PR 140
		-87.7100	-88.5030	-88.6920	-88.4110	-88.0560	-87.1930	-88.8520	-87.9800	-84.7850
		-15.8456	-9.0485	-7.6910	-3.0020	-3.0096	-14.3492	-3.0695	-1.0706	-19.7819
		0.0064	0.0094	0.0071	0.0069	0.0216	0.0086	0.0364	0.0393	0.0542
T	I 127	I 128	XE 128	XE 129	XE 130	CS 130	CS 131	BA 133	BA 134	PR 139
		-88.9843	-87.7100	-89.8500	-88.6920	-86.8890	-88.0560	-87.6720	-88.8520	-85.0480
		-16.5163	-7.7619	-9.8123	-3.1724	-2.9714	-13.9756	-2.5629	-3.1110	-17.6533
		0.0094	0.0071	0.0094	0.0086	0.0121	0.0064	0.0364	0.0393	0.0493
HE3	TE 127	TE 128	I 128	I 129	I 130	XE 130	XE 131	CS 133	CS 134	CE 139
		-88.2950	-88.9780	-87.7100	-88.5030	-86.8900	-88.4110	-88.1600	-86.7930	-87.1580
		-2.2517	4.0617	3.9685	8.5412	11.1482	11.3186	8.9767	10.7626	-4.5847
		0.0071	0.0094	0.0064	0.0094	0.0086	0.0069	0.0255	0.0364	0.0503
HE4	TE 126	TE 127	I 127	I 128	I 129	XE 129	XE 130	CS 132	CS 133	CE 138
		-90.0530	-88.2950	-88.9843	-87.7100	-88.5030	-88.6920	-87.1930	-88.1600	-87.7200
		-16.9782	-10.3748	-11.3062	-6.4393	-3.5440	-4.1059	-6.5008	-4.5149	-20.9282
		0.0081	0.0088	0.0088	0.0095	0.0076	0.0239	0.0081	0.0220	0.4700
HE6	TE 124	TE 125	I 125	I 126	I 127	XE 127	XE 128	CS 130	CS 131	CE 136
		-90.5000	-89.0320	-88.8830	-87.9030	-88.9843	-88.4410	-89.8500	-86.8890	-88.0560
		-16.3844	-7.6220	-7.6474	-0.7795	-0.7234	-0.0528	-13.8336	-0.6501	-17.6984
		0.0079	0.0095	0.0079	0.0072	0.0095	0.0065	0.0095	0.0066	0.1001
LI6	SB 124	SB 125	TE 125	TE 126	TE 127	I 127	I 128	XE 130	XE 131	LA 136
		-87.5840	-88.2750	-89.0320	-90.0530	-88.2950	-88.9843	-87.7100	-88.4110	-86.2700

54 XE 131

MASS EXCESS -88.4110 +/- 0.0040 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		8.9323	6.0710	12.8849	13.3320	15.3723	1.9937	13.1974	13.2063	-4.3720
		0.0059	0.0253	0.0362	0.0392	0.0392	0.1001	1.0000	0.0502	0.0146
GAMMA	XE 131	XE 132	CS 132	CS 133	CS 134	BA 134	BA 135	LA 137	LA 138	ND 143
		-89.2719	-87.1930	-88.1600	-86.7930	-88.8520	-87.9800	-87.5200	-86.7100	-84.0390
		-6.6024	-1.1375	3.8465	6.6275	6.1209	-5.2057	3.8760	5.9449	-10.4724
		0.0064	0.0081	0.0253	0.0362	0.0362	0.0392	0.1001	1.0000	0.0146
N	XE 130	XE 131	CS 131	CS 132	CS 133	BA 133	BA 134	LA 136	LA 137	ND 142
		-89.8800	-88.0560	-87.1930	-88.1600	-87.6720	-88.8520	-86.2700	-87.5200	-86.0100
		-8.8100	-0.1879	6.7078	6.9820	7.3913	-6.4822	7.5284	7.2273	-11.8460
		0.0117	0.0057	0.0059	0.0362	0.0362	0.0392	0.0801	0.0701	0.0165
P	I 130	I 131	XE 131	XE 132	XE 133	CS 133	CS 134	BA 136	BA 137	PR 142
		-86.8900	-87.4406	-89.2719	-87.7320	-88.1600	-86.7930	-89.1400	-88.0200	-83.8540
		-13.0439	-6.5855	-4.3779	2.6749	0.5774	-10.9622	0.5215	2.5004	-15.4749
		0.0081	0.0117	0.0064	0.0060	0.0253	0.0362	0.1001	0.0801	0.0175
D	I 129	I 130	XE 130	XE 131	XE 132	CS 132	CS 133	BA 135	BA 136	PR 141
		-88.5030	-86.8900	-89.8800	-89.2719	-87.1930	-88.1600	-87.9800	-89.1400	-86.0720
		-15.6509	-6.7865	-7.3800	-0.3450	-0.3736	-13.7432	-0.4205	-0.4736	-18.5759
		0.0089	0.0081	0.0062	0.0064	0.0081	0.0253	0.0392	0.1001	0.0253
T	I 128	I 129	XE 129	XE 130	XE 131	CS 131	CS 132	BA 134	BA 135	PR 140
		-87.7100	-88.5030	-88.6920	-89.8800	-88.0560	-87.1930	-88.8520	-87.9800	-84.7850
		-14.3643	-8.2479	-7.5503	-3.3164	-0.9518	-11.6457	-2.4609	-0.6650	-15.2173
		0.0064	0.0099	0.0081	0.0117	0.0057	0.0060	0.0392	0.1001	0.0184
HE3	TE 128	TE 129	I 129	I 130	I 131	XE 131	XE 132	CS 134	CS 135	CE 140
		-88.9780	-87.0230	-88.5030	-86.8900	-87.4406	-89.2719	-86.7930	-87.7700	-88.1250
		-2.5407	6.2137	4.1632	10.8032	11.0042	13.9756	11.4127	10.8646	-3.6777
		0.0090	0.0064	0.0090	0.0081	0.0117	0.0064	0.0362	0.0392	0.0492
HE4	TE 127	TE 128	I 128	I 129	I 130	XE 130	XE 131	CS 133	CS 134	CE 139
		-88.2950	-88.9780	-87.7100	-88.5030	-86.8900	-89.8800	-88.1600	-86.7930	-87.1580
		-16.9772	-7.8848	-10.8172	-3.8890	-3.3492	-1.2279	-14.8924	-3.8648	-3.9089
		0.0082	0.0076	0.0090	0.0069	0.0098	0.0076	0.0074	0.0091	0.0257
HE6	TE 125	TE 126	I 126	I 127	I 128	XE 128	XE 129	CS 131	CS 132	CE 137
		-89.0320	-90.0530	-87.9030	-88.9843	-87.7100	-89.8500	-88.6920	-88.0560	-87.1930
		-14.2244	-8.0980	-5.1574	-1.0685	1.4285	0.1419	-11.5716	1.6798	-14.9794
		0.0090	0.1501	0.0065	0.0090	0.0065	0.0090	0.0081	0.0061	1.0000
LI6	SB 125	SB 126	TE 126	TE 127	TE 128	I 128	I 129	XE 131	XE 132	LA 137
		-88.2750	-86.3300	-90.0530	-88.2950	-88.9780	-87.7100	-88.5030	-89.2719	-87.5200

54 Xe 131

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54 XE 132

MASS EXCESS -89.2719 +/- 0.0044 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING			6.5315	6.1771	10.6570	13.4481	13.6394	2.2929	11.5265	13.0634	-5.4749
		0.0363	0.0363	0.0392	0.1001	0.1001	0.0801	0.0502	0.0492	0.0147	
GAMMA	XE 132	XE 133	CS 133	CS 134	CS 135	BA 135	BA 136	LA 138	LA 139	ND 144	
		-87.7320	-88.1600	-86.7930	-87.7700	-87.9800	-89.1400	-86.7100	-87.4280	-83.7970	
		-8.9323	-2.8614	3.9526	4.3996	6.4400	-6.9386	4.2651	4.2740	-13.3043	
		0.0059	0.0254	0.0363	0.0392	0.0392	0.1001	1.0000	0.0502	0.0147	
N	XE 131	XE 132	CS 132	CS 133	CS 134	BA 134	BA 135	LA 137	LA 138	ND 143	
		-88.4110	-87.1930	-88.1600	-86.7930	-88.8520	-87.9800	-87.5200	-86.7100	-84.0390	
		-9.1203	-2.7754	4.3070	6.5096	5.1635	-6.3661	5.5475	6.8364	-13.4549	
		0.0059	0.0083	0.0363	0.0064	0.0392	0.1001	0.0701	0.0502	0.0156	
P	I 131	I 132	XE 132	XE 133	XE 134	CS 134	CS 135	BA 137	BA 138	PR 143	
		-87.4406	-85.7140	-87.7320	-88.1205	-86.7930	-87.7700	-88.0200	-88.4900	-83.1060	
		-15.5178	-6.8958	-6.7078	0.2741	0.6835	-13.1901	0.8206	0.5195	-18.5538	
		0.0118	0.0059	0.0059	0.0363	0.0363	0.0392	0.0801	0.0701	0.0166	
D	I 130	I 131	XE 131	XE 132	XE 133	CS 133	CS 134	BA 136	BA 137	PR 142	
		-86.8900	-87.4406	-88.4110	-87.7320	-88.1600	-86.7930	-89.1400	-88.0200	-83.8540	
		-15.7188	-9.2604	-7.0529	-2.6749	-2.0975	-13.6371	-2.1534	-0.1745	-18.1498	
		0.0083	0.0118	0.0067	0.0060	0.0254	0.0363	0.1001	0.0801	0.0176	
T	I 129	I 130	XE 130	XE 131	XE 132	CS 132	CS 133	BA 135	BA 136	PR 141	
		-88.5030	-86.8900	-89.8800	-88.4110	-87.1930	-88.1600	-87.9800	-89.1400	-86.0720	
		-17.1802	-8.7948	-10.0242	-3.6267	-3.5393	-14.0465	-2.3448	-2.9859	-18.7112	
		0.0100	0.0074	0.0118	0.0060	0.0083	0.0363	0.1001	0.0801	0.0176	
HE3	TE 129	TE 130	I 130	I 131	I 132	XE 132	XE 133	CS 135	CS 136	CE 141	
		-87.0230	-87.3370	-86.8900	-87.4406	-85.7140	-87.7320	-87.7700	-86.3100	-85.4920	
		-2.7186	3.3978	4.0953	8.3293	10.6939	11.6457	9.1848	10.9807	-3.5716	
		0.0067	0.0100	0.0083	0.0119	0.0060	0.0060	0.0393	0.1001	0.0185	
HE4	TE 128	TE 129	I 129	I 130	I 131	XE 131	XE 132	CS 134	CS 135	CE 140	
		-88.9780	-87.0230	-88.5030	-86.8900	-87.4406	-88.4110	-86.7930	-87.7700	-88.1250	
		-16.8171	-10.5037	-10.5968	-6.0242	-3.4171	-3.2468	-14.5653	-5.5887	-3.8028	-19.1501
		0.0078	0.0100	0.0072	0.0100	0.0092	0.0076	0.0078	0.0257	0.0365	0.0504
HE6	TE 126	TE 127	I 127	I 128	I 129	XE 129	XE 130	CS 132	CS 133	CE 138	
		-90.0530	-88.2950	-88.9843	-87.7100	-88.5030	-88.6920	-89.8800	-87.1930	-88.1600	-87.7200
		-17.0303	-8.5939	-7.7763	-1.2464	-1.3874	0.0740	-14.0455	-0.7210	-16.6503	
		0.1501	0.0313	0.0092	0.0068	0.0101	0.0083	0.0119	0.0363	0.0502	
LI6	SB 126	SB 127	TE 127	TE 128	TE 129	I 129	I 130	XE 132	XE 133	LA 138	
		-86.3300	-86.6950	-88.2950	-88.9780	-87.0230	-88.5030	-86.8900	-87.7320	-86.7100	

54 XE 134

MASS EXCESS -88.1205 +/- 0.0046 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.5609	6.9385	11.3254	13.6795	14.8308	2.7943	10.3249	9.8488	-7.1615
		0.1001	0.1001	0.0801	0.0702	0.0702	0.0502	0.0196	0.0353	0.0147
GAMMA	XE 134	XE 135	CS 135	CS 136	CS 137	BA 137	BA 138	LA 140	LA 141	ND 146
		-86.6100	-87.7700	-86.3100	-86.8500	-88.0200	-88.4900	-84.3570	-83.0620	-80.9590
		-8.4599	-2.1099	4.7140	5.0680	7.8794	-5.7472	5.3245	3.0724	-14.7229
		0.0363	0.0393	0.1001	0.0801	0.0801	0.0702	0.0492	0.0196	0.0147
N	XE 133	XE 134	CS 134	CS 135	CS 136	BA 136	BA 137	LA 139	LA 140	ND 145
		-87.7320	-86.7930	-87.7700	-86.3100	-89.1400	-88.0200	-87.4280	-84.3570	-81.4690
		-9.4795	-3.3680	4.3364	5.9625	5.8319	-6.1347	3.8089	2.8048	-15.7455
		0.0602	0.0602	0.1001	0.0076	0.0801	0.0702	0.0502	0.0215	0.0176
P	I 133	I 134	XE 134	XE 135	XE 136	CS 136	CS 137	BA 139	BA 140	PR 145
		-85.9300	-83.9700	-86.6100	-86.4220	-86.3100	-86.8500	-85.1300	-83.3070	-79.6640
		-15.5424	-7.2550	-6.2354	0.3035	1.4449	-12.5217	1.3220	-1.2191	-20.4484
		0.0084	0.0602	0.0363	0.1001	0.1001	0.0801	0.0502	0.0502	0.0157
D	I 132	I 133	XE 133	XE 134	XE 135	CS 135	CS 136	BA 138	BA 139	PR 144
		-85.7140	-85.9300	-87.7320	-86.6100	-87.7700	-86.3100	-88.4900	-85.1300	-80.8080
		-15.6298	-9.2850	-6.5096	-2.2025	-1.3461	-12.8757	-0.9620	0.3269	-19.9644
		0.0061	0.0084	0.0064	0.0363	0.0393	0.1001	0.0702	0.0502	0.0157
T	I 131	I 132	XE 132	XE 133	XE 134	CS 134	CS 135	BA 137	BA 138	PR 143
		-87.4406	-85.7140	-89.2719	-87.7320	-86.7930	-87.7700	-88.0200	-88.4900	-83.1060
		-17.8908	-9.7714	-10.0488	-3.9859	-4.1319	-14.0171	-2.1134	-4.4845	-21.3868
		0.0205	0.0166	0.0084	0.0602	0.0602	0.1001	0.0702	0.0771	0.0186
HE3	TE 131	TE 132	I 132	I 133	I 134	XE 134	XE 135	CS 137	CS 138	CE 143
		-85.1610	-85.2090	-85.7140	-85.9300	-83.9700	-86.6100	-86.8500	-83.6600	-81.6650
		-3.2082	2.6872	4.1843	8.3047	10.3347	12.1181	9.8532	11.2121	-5.9142
		0.0076	0.0205	0.0061	0.0084	0.0602	0.0363	0.0801	0.0702	0.0472
HE4	TE 130	TE 131	I 131	I 132	I 133	XE 133	XE 134	CS 136	CS 137	CE 142
		-87.3370	-85.1610	-87.4406	-85.7140	-85.9300	-87.7320	-86.3100	-86.8500	-84.6310
		-16.7407	-10.6243	-9.9267	-5.6928	-3.3281	-2.3764	-14.0220	-4.8373	-3.0414
		0.0079	0.0109	0.0093	0.0126	0.0073	0.0073	0.0075	0.0395	0.1002
HE6	TE 128	TE 129	I 129	I 130	I 131	XE 131	XE 132	CS 134	CS 135	CE 140
		-88.9780	-87.0230	-88.5030	-86.8900	-87.4406	-88.4110	-89.2719	-86.7930	-87.7700
		-17.5089	-9.6175	-7.8969	-1.7360	-2.0979	0.1630	-14.0701	-0.6916	-17.8519
		0.1501	1.0000	0.0102	0.0076	0.0206	0.0062	0.0085	0.1001	0.0196
LI6	SB 128	SB 129	TE 129	TE 130	TE 131	I 131	I 132	XE 134	XE 135	LA 140
		-84.7000	-84.5200	-87.0230	-87.3370	-85.1610	-87.4406	-85.7140	-86.6100	-84.3570

54 Xe 134

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54 XE 136

MASS EXCESS -86.4220 +/- 0.0060 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			4.4594	7.7170	10.3739	9.6580	13.6393	-0.6902	7.7864	6.8553	-8.9870
			0.1002	0.0703	0.0772	0.3001	0.0504	0.0218	0.0603	0.0802	0.0152
GAMMA	XE 136	XE 137	CS 137	CS 138	CS 139	BA 139	BA 140	LA 142	LA 143	ND 148	
		-82.8100	-86.8500	-83.6600	-81.1300	-85.1300	-83.3070	-80.1200	-78.3700	-77.4350	
		-7.8834	-0.8944	5.4925	4.1165	8.9279	-6.9387	2.6570	0.5339	-16.3154	
		0.1002	0.0802	0.0703	0.0772	0.0504	0.0504	0.0355	0.0603	0.0180	
N	XE 135	XE 136	CS 136	CS 137	CS 138	BA 138	BA 139	LA 141	LA 142	ND 147	
		-86.6100	-86.3100	-86.8500	-83.6600	-88.4900	-85.1300	-83.0620	-80.1200	-78.1780	
		-9.9010	-6.2195	2.2349	1.5290	4.8804	-10.1562	0.4374	-0.8837	-18.2310	
		1.0000	0.1002	0.1002	1.0200	0.0772	0.3001	0.1102	0.1102	0.2001	
P	I 135	I 136	XE 136	XE 137	XE 138	CS 138	CS 139	BA 141	BA 142	PR 147	
		-83.8100	-79.4200	-82.8100	-80.2900	-83.6600	-81.1300	-80.0600	-77.9200	-75.4800	
		-15.5879	-7.6765	-5.6589	-1.7980	2.2234	-13.4732	-2.1625	-4.5906	-22.7979	
		0.0603	1.0000	0.1002	0.1002	0.0703	0.0772	0.0219	0.1102	0.2001	
D	I 134	I 135	XE 135	XE 136	XE 137	CS 137	CS 138	BA 140	BA 141	PR 146	
		-83.9700	-83.8100	-86.6100	-82.8100	-86.8500	-83.6600	-83.3070	-80.0600	-76.7600	
		-15.4419	-9.3305	-5.9625	-1.6260	-0.1306	-12.0972	-2.1535	-3.1576	-21.7079	
		0.0603	0.0603	0.0076	0.1002	0.0802	0.0703	0.0504	0.0219	0.0180	
T	I 133	I 134	XE 134	XE 135	XE 136	CS 136	CS 137	BA 139	BA 140	PR 145	
		-85.9300	-83.9700	-88.1205	-86.6100	-86.3100	-86.8500	-85.1300	-83.3070	-79.6640	
			-10.0943	-4.4074	-6.9834		-16.1186	-6.1349	-9.2360	-24.2933	
		MASS	MASS	0.0603	1.0000	0.1002	0.1002	0.3001	1.0000	1.0000	
HE3	TE 133	TE 134	I 134	I 135	I 136	XE 136	XE 137	CS 139	CS 140	CE 145	
		UNKNOWN	UNKNOWN	-83.9700	-83.8100	-79.4200	-82.8100	-81.1300	-77.2100	-77.0600	
		-3.6377	4.3722	8.2592	9.9132	12.6946		8.9017	7.1906	-8.3587	
		0.0171	MASS	0.0603	0.0603	0.1002		0.0772	0.3001	0.0190	
HE4	TE 132	TE 133	I 133	I 134	I 135	XE 135	XE 136	CS 138	CS 139	CE 144	
		-85.2090	UNKNOWN	-85.9300	-83.9700	-83.8100	-86.6100	-83.6600	-81.1300	-80.4880	
		-16.6832	-10.7878	-9.2906	-5.1703	-3.1402	-1.3569	-13.4749	-3.6218	-2.2629	-19.3892
		0.0094	0.0213	0.0082	0.0101	0.0604	0.0367	0.0086	0.0803	0.0704	0.0475
HE6	TE 130	TE 131	I 131	I 132	I 133	XE 133	XE 134	CS 136	CS 137	CE 142	
		-87.3370	-85.1610	-87.4406	-85.7140	-85.9300	-87.7320	-88.1205	-86.3100	-86.8500	-84.6310
		-18.5704	-8.0604	-2.1655		0.3509	-14.1156		-2.7931	-20.3904	
		1.0000	MASS	0.0209	0.0171	MASS	0.0603	0.0603	0.1002	0.0603	
LI6	SB 130	SB 131	TE 131	TE 132	TE 133	I 133	I 134	XE 136	XE 137	LA 142	
		-81.9400	UNKNOWN	-85.1610	-85.2090	UNKNOWN	-85.9300	-83.9700	-82.8100	-80.1200	

55 CS 133

MASS EXCESS -88.1600 +/- 0.0360 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.7044	7.9810	12.9559	15.9300	13.0413	1.7848	13.0864	14.8723	-6.8340
		0.0531	0.0531	0.1063	0.0877	0.1063	1.0006	0.0608	0.0403	0.0394
GAMMA	CS 133	CS 134	BA 134	BA 135	BA 136	LA 136	LA 137	CE 139	CE 140	PM 145
		-86.7930	-88.8520	-87.9800	-89.1400	-86.2700	-87.5200	-87.1580	-88.1250	-81.3260
		-9.0384	-1.2704	5.7565	6.6985	5.5199	-7.5367	5.5770	5.8339	-14.8964
		0.0438	0.0509	0.0531	0.1063	0.2229	0.1063	0.0616	0.0608	0.0666
N	CS 132	CS 133	BA 133	BA 134	BA 135	LA 135	LA 136	CE 138	CE 139	PM 144
		-87.1930	-87.6720	-88.8520	-87.9800	-86.8200	-86.2700	-87.7200	-87.1580	-81.3350
		-6.1771	0.3545	4.4799	7.2710	7.4623	-3.8842	5.3494	6.8863	-11.6520
		0.0363	0.0509	0.0531	0.1063	0.1063	0.0877	0.0616	0.0608	0.0386
P	XE 132	XE 133	CS 133	CS 134	CS 135	BA 135	BA 136	LA 138	LA 139	ND 144
		-89.2719	-87.7320	-86.7930	-87.7700	-87.9800	-89.1400	-86.7100	-87.4280	-83.7970
		-12.8849	-3.9526	-6.8139	0.4470	2.4874	-10.8912	0.3125	0.3214	-17.2569
		0.0362	0.0363	0.0438	0.0531	0.0531	0.1063	1.0006	0.0616	0.0386
D	XE 131	XE 132	CS 132	CS 133	CS 134	BA 134	BA 135	LA 137	LA 138	ND 143
		-88.4110	-89.2719	-87.1930	-86.7930	-88.8520	-87.9800	-87.5200	-86.7100	-84.0390
		-13.2299	-6.6275	-7.7650	-2.7810	-0.5066	-11.8332	-2.7515	-0.6826	-17.0999
		0.0363	0.0362	0.0367	0.0438	0.0509	0.0531	0.1063	1.0006	0.0386
T	XE 130	XE 131	CS 131	CS 132	CS 133	BA 133	BA 134	LA 136	LA 137	ND 142
		-89.8800	-88.4110	-88.0560	-87.1930	-87.6720	-88.8520	-86.2700	-87.5200	-86.0100
		-16.2013	-7.5793	-7.3913	-0.6835	-0.4094	-13.8736	0.1371	-0.1640	-19.2373
		0.0376	0.0362	0.0362	0.0363	0.0509	0.0531	0.0877	0.0787	0.0394
HE3	I 130	I 131	XE 131	XE 132	XE 133	CS 133	CS 134	BA 136	BA 137	PR 142
		-86.8900	-87.4406	-88.4110	-89.2719	-87.7320	-86.7930	-89.1400	-88.0200	-83.8540
		-2.0817	4.3767	6.5842	10.9622	13.6371	11.5396	11.4837	13.4626	-4.5127
		0.0367	0.0376	0.0363	0.0362	0.0363	0.0438	0.1063	0.0877	0.0398
HE4	I 129	I 130	XE 130	XE 131	XE 132	CS 132	CS 133	BA 135	BA 136	PR 141
		-88.5030	-86.8900	-89.8800	-88.4110	-89.2719	-87.1930	-87.9800	-89.1400	-86.0720
		-16.7739	-9.9768	-8.6192	-3.9303	-0.9282	-3.9379	-15.2774	-3.9978	-1.9989
		0.0364	0.0371	0.0366	0.0365	0.0366	0.0419	0.0369	0.0511	0.0532
HE6	I 127	I 128	XE 128	XE 129	XE 130	CS 130	CS 131	BA 133	BA 134	PR 139
		-88.9843	-87.7100	-89.8500	-88.6920	-89.8800	-86.8890	-88.0560	-87.6720	-88.8520
		-13.9534	-5.1990	-7.2494	-0.6095	-0.4084	2.5629	-11.4126	-0.5481	-15.0904
		0.0369	0.0364	0.0369	0.0367	0.0377	0.0364	0.0362	0.0531	0.0608
LI6	TE 127	TE 128	I 128	I 129	I 130	XE 130	XE 131	CS 133	CS 134	CE 139
		-88.2950	-88.9780	-87.7100	-88.5030	-86.8900	-89.8800	-88.4110	-86.7930	-87.1580

56 BA 130

MASS EXCESS -87.3310 +/- 0.0210 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.6324	3.8880	9.3649	13.0890	10.2703	0.0337		11.0763	
		0.0270	0.0542	0.3007	0.2011	1.0202	0.0924	MASS	1.4202	MASS
GAMMA	BA 130	BA 131	LA 131	LA 132	LA 133	CE 133	CE 134	PR 136	PR 137	SM 142
		-86.8920	-83.9300	-83.5600	-85.4700	-82.6700	-84.9400	UNKNOWN	-83.5000	UNKNOWN
		-10.2624	-6.3835	1.6635	3.1075	1.8889	-10.3077			
		1.0002	1.0002	0.0542	0.3007	1.0402	1.0202	MASS	MASS	MASS
N	BA 129	BA 130	LA 130	LA 131	LA 132	CE 132	CE 133	PR 135	PR 136	SM 141
		-85.1400	-81.7300	-83.9300	-83.5600	-82.3600	-82.6700	UNKNOWN	UNKNOWN	UNKNOWN
		-7.0300	0.3405	5.4079	8.7100	3.8714	-6.7252	4.0984	6.8373	-13.9700
		1.0002	0.0297	0.0270	0.2808	0.3007	0.2011	1.4202	0.4705	0.2011
P	CS 129	CS 130	BA 130	BA 131	BA 132	LA 132	LA 133	CE 135	CE 136	PM 141
		-87.5900	-86.8890	-86.8920	-88.3800	-83.5600	-85.4700	-84.6300	-86.5500	-80.6500
		-14.5469	-4.8055	-8.0379	1.3750	-1.6056	-14.4822	-1.4385	-0.9296	
		0.0366	1.0002	1.0002	0.0270	0.0542	0.3007	0.0924	1.4202	MASS
D	CS 128	CS 129	BA 129	BA 130	BA 131	LA 131	LA 132	CE 134	CE 135	PM 140
		-85.9200	-87.5900	-85.1400	-86.8920	-83.9300	-83.5600	-84.9400	-84.6300	UNKNOWN
		-15.9399	-8.2895	-9.7720	-4.0050	-5.6196	-15.9262	-5.5225	-2.4337	
		0.0636	0.0366	1.0002	1.0002	1.0002	0.0542	1.0202	0.0924	MASS
T	CS 127	CS 128	BA 128	BA 129	BA 130	LA 130	LA 131	CE 133	CE 134	PM 139
		-86.3410	-85.9200	-85.2200	-85.1400	-81.7300	-83.9300	-82.6700	-84.9400	UNKNOWN
		-13.8213	-4.3409	-9.0533	-1.5364	-0.4234	-12.9456	-2.7039	-2.2750	-19.9023
		0.0311	0.0216	0.0366	1.0002	0.0297	0.0270	0.2011	0.0636	1.0102
HE3	XE 127	XE 128	CS 128	CS 129	CS 130	BA 130	BA 131	LA 133	LA 134	ND 139
		-88.4410	-89.8500	-85.9200	-87.5900	-86.8890	-86.8920	-85.4700	-85.0800	-82.3600
		-0.6017	6.7567	3.8742	9.3002	12.7842	10.3156	7.8927	10.6216	
		0.0225	0.0311	0.0636	0.0366	1.0002	1.0002	0.3007	0.2011	MASS
HE4	XE 126	XE 127	CS 127	CS 128	CS 129	BA 129	BA 130	LA 132	LA 133	ND 138
		-89.1540	-88.4410	-86.3410	-85.9200	-87.5900	-85.1400	-83.5600	-85.4700	UNKNOWN
		-17.4792	-9.8778	-13.7302	-7.4433	-3.6383	-7.4179	-17.2844	-9.1108	-6.0919
		0.1416	1.0002	1.0002	0.4006	0.0637	1.0602	1.0002	1.0002	0.0544
HE6	XE 124	XE 125	CS 125	CS 126	CS 127	BA 127	BA 128	LA 130	LA 131	ND 136
		-87.4500	-86.9800	-83.9100	-84.3500	-86.3410	-82.5800	-85.2200	-81.7300	-83.9300
		-14.0894	-4.4650	-7.1504	0.8705	1.9715	-0.1471	-13.0746	0.3799	
		0.0366	0.0219	1.0002	0.0225	0.0312	0.0636	0.0366	0.0271	MASS
LI6	I 124	I 125	XE 125	XE 126	XE 127	CS 127	CS 128	BA 130	BA 131	PR 136
		-87.3300	-88.8830	-86.9800	-89.1540	-88.4410	-86.3410	-85.9200	-86.8920	UNKNOWN

56 BA 132

MASS EXCESS -88.3800 +/- 0.2800 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			7.3634	4.3790	9.8359	13.3899	11.1813	0.5948	8.6384	11.5753	-6.4000
		0.2823	0.3441	0.2864	0.3561	1.4473	0.5471	0.2852	0.2852	0.2803	
GAMMA	BA 132	BA 133	LA 133	LA 134	LA 135	CE 135	CE 136	PR 138	PR 139	SM 144	
		-87.6720	-85.4700	-85.0800	-86.8200	-84.6300	-86.5500	-82.9300	-85.0480	-81.9800	
		-9.5594	-5.6024	2.1545	3.5785	3.4199	-9.3967	1.1370	1.3859	-16.8614	
		0.2805	0.4104	0.3441	0.2864	0.2941	1.4473	1.4473	0.2852	0.2912	
N	BA 131	BA 132	LA 132	LA 133	LA 134	CE 134	CE 135	PR 137	PR 138	SM 143	
		-86.8920	-83.5600	-85.4700	-85.0800	-84.9400	-84.6300	-83.5000	-82.9300	-79.5900	
		-7.6130	-0.4045	5.1389	8.1330	4.3424	-6.4242	4.7394	6.9583	-12.7590	
		0.2801	0.2811	0.2823	0.2827	0.2864	0.3561	1.4473	0.2844	0.4177	
P	CS 131	CS 132	BA 132	BA 133	BA 134	LA 134	LA 135	CE 137	CE 138	PM 143	
		-88.0560	-87.1930	-87.6720	-88.8520	-85.0800	-86.8200	-86.3200	-87.7200	-82.9100	
		-14.6269	-5.3885	-7.3349	1.1060	-1.1146	-14.0112	-0.8775	-0.2886	-20.3059	
		0.2808	0.2801	0.2805	0.2823	0.3441	0.2864	0.5471	1.4473	0.4104	
D	CS 130	CS 131	BA 131	BA 132	BA 133	LA 133	LA 134	CE 136	CE 137	PM 142	
		-86.8890	-88.0560	-86.8920	-87.6720	-85.4700	-85.0800	-86.5500	-86.3200	-81.2100	
		-15.7399	-8.3695	-8.7100	-3.3020	-4.8386	-15.4352	-4.6115	-1.8726	-22.6799	
		1.0385	0.2808	0.2808	0.2805	0.4104	0.3441	1.4473	0.5471	0.3441	
T	CS 129	CS 130	BA 130	BA 131	BA 132	LA 132	LA 133	CE 135	CE 136	PM 141	
		-87.5900	-86.8890	-87.3310	-86.8920	-83.5600	-85.4700	-84.6300	-86.5500	-80.6500	
		-14.6153	-5.3599	-9.1333	-2.1194	-1.1684	-13.2146	-2.4029	-2.1340	-19.0393	
		0.2800	0.2800	0.2808	0.2801	0.2811	0.2823	0.3561	0.2973	0.2807	
HE3	XE 129	XE 130	CS 130	CS 131	CS 132	BA 132	BA 133	LA 135	LA 136	ND 141	
		-88.6920	-89.8800	-86.8890	-88.0560	-87.1930	-87.6720	-86.8200	-86.2700	-84.2720	
		-0.9547	5.5587	4.0742	9.2202	12.2012	11.0186	8.3637	10.9226	-6.3197	
		0.2800	0.2800	1.0385	0.2808	0.2801	0.2805	0.2864	0.3561	1.0385	
HE4	XE 128	XE 129	CS 129	CS 130	CS 131	BA 131	BA 132	LA 134	LA 135	ND 140	
		-89.8500	-88.6920	-87.5900	-86.8890	-88.0560	-86.8920	-85.0800	-86.8200	-84.4850	
		-16.8242	-9.4658	-12.3482	-6.9223	-3.4382	-5.9069	-16.2224	-8.3298	-5.6009	
		0.2801	0.2810	0.2864	0.2816	1.0385	1.0385	0.2808	0.4104	0.3441	MASS
HE6	XE 126	XE 127	CS 127	CS 128	CS 129	BA 129	BA 130	LA 132	LA 133	ND 138	
		-89.1540	-88.4410	-86.3410	-85.9200	-87.5900	-85.1400	-87.3310	-83.5600	-85.4700	UNKNOWN
		-14.5654	-5.4127	-6.7384	0.5175	1.1736	0.0529	-13.1546	0.1109	-19.5384	
		0.2801	0.2800	0.2809	0.2800	0.2800	1.0385	0.2808	0.2823	0.2852	
LI6	I 126	I 127	XE 127	XE 128	XE 129	CS 129	CS 130	BA 132	BA 133	PR 138	
		-87.9030	-88.9843	-88.4410	-89.8500	-88.6920	-87.5900	-86.8890	-87.6720	-82.9300	

56 BA 134

MASS EXCESS -88.8520 +/- 0.0390 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.1994	5.2570	10.5539	13.6180	12.3993	1.2928	10.0214	12.1273	-7.8060
		0.1073	0.2234	0.1073	1.0008	1.4205	0.0634	0.0463	0.0426	0.0448
GAMMA	BA 134	BA 135	LA 135	LA 136	LA 137	CE 137	CE 138	PR 140	PR 141	SM 146
		-87.9800	-86.8200	-86.2700	-87.5200	-86.3200	-87.7200	-84.7850	-86.0720	-81.0460
		-9.2514	-4.5545	3.0325	4.2965	4.5579	-8.1787	2.2130	2.7689	-16.2514
		0.0531	0.0716	0.2234	0.1073	0.4716	1.4205	0.0666	0.0463	0.0425
N	BA 133	BA 134	LA 134	LA 135	LA 136	CE 136	CE 137	PR 139	PR 140	SM 145
		-87.6720	-85.0800	-86.8200	-86.2700	-86.5500	-86.3200	-85.0480	-84.7850	-80.6720
		-7.9810	-1.2765	4.9749	7.9490	5.0604	-6.1962	5.1054	6.8913	-14.8150
		0.0531	0.0552	0.1073	0.0890	0.1073	1.0008	0.0626	0.0430	0.0422
P	CS 133	CS 134	BA 134	BA 135	BA 136	LA 136	LA 137	CE 139	CE 140	PM 145
		-88.1600	-86.7930	-87.9800	-89.1400	-86.2700	-87.5200	-87.1580	-88.1250	-81.3260
		-14.7949	-5.7565	-7.0269	0.9420	-0.2366	-13.2932	-0.1795	0.0774	-20.6529
		0.0463	0.0531	0.0531	0.1073	0.2234	0.1073	0.0634	0.0626	0.0682
D	CS 132	CS 133	BA 133	BA 134	BA 135	LA 135	LA 136	CE 138	CE 139	PM 144
		-87.1930	-88.1600	-87.6720	-87.9800	-86.8200	-86.2700	-87.7200	-87.1580	-81.3350
		-15.7459	-8.5375	-8.1330	-2.9940	-3.7906	-14.5572	-3.3935	-1.1746	-20.8919
		0.0396	0.0463	0.2827	0.0531	0.0716	0.2234	1.4205	0.0634	0.3124
T	CS 131	CS 132	BA 132	BA 133	BA 134	LA 134	LA 135	CE 137	CE 138	PM 143
		-88.0560	-87.1930	-88.3800	-87.6720	-85.0800	-86.8200	-86.3200	-87.7200	-82.9100
		-15.3723	-6.4400	-9.3013	-2.4874	-2.0404	-13.3786	-2.1749	-2.1660	-19.7443
		0.0392	0.0392	0.0463	0.0531	0.0552	0.1073	1.0008	0.0634	0.0414
HE3	XE 131	XE 132	CS 132	CS 133	CS 134	BA 134	BA 135	LA 137	LA 138	ND 143
		-88.4110	-89.2719	-87.1930	-88.1600	-86.7930	-87.9800	-87.5200	-86.7100	-84.0390
		-1.3967	5.2057	4.0682	9.0522	11.8332	11.3266	9.0817	11.1506	-5.2667
		0.0393	0.0392	0.0396	0.0463	0.0531	0.0531	0.1073	1.0008	0.0414
HE4	XE 130	XE 131	CS 131	CS 132	CS 133	BA 133	BA 134	LA 136	LA 137	ND 142
		-89.8800	-88.4110	-88.0560	-87.1930	-88.1600	-87.6720	-86.2700	-87.5200	-86.0100
		-16.6002	-9.6868	-11.5712	-6.4253	-3.4443	-4.6269	-15.6454	-7.2818	-4.7229
		0.0395	0.0395	1.0008	0.0445	0.0398	0.0427	0.2827	0.0717	0.2235
HE6	XE 128	XE 129	CS 129	CS 130	CS 131	BA 131	BA 132	LA 134	LA 135	ND 140
		-89.8500	-88.6920	-87.5900	-86.8890	-88.0560	-86.8920	-88.3800	-85.0800	-86.8200
		-15.2304	-6.3660	-6.9594	0.0755	0.4206	0.0469	-13.3226	-0.0531	-18.1554
		0.0398	0.0396	0.0393	0.0393	0.0392	0.0396	0.0463	0.1073	0.0463
LI6	I 128	I 129	XE 129	XE 130	XE 131	CS 131	CS 132	BA 134	BA 135	PR 140
		-87.7100	-88.5030	-88.6920	-89.8800	-88.4110	-88.0560	-87.1930	-87.9800	-84.7850

56 BA 135

MASS EXCESS -87.9800 +/- 0.1000 MEV

56 Ba 135

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		9.2314	5.5790	12.6759	13.6800	14.6713	1.6028	12.1804	10.7813	-8.6800
		0.1281	0.1414	1.0050	0.1118	0.1118	0.1114	0.1014	0.1013	0.1010
GAMMA	BA 135	BA 136	LA 136	LA 137	LA 138	CE 138	CE 139	PR 141	PR 142	SM 147
		-89.1400	-86.2700	-87.5200	-86.7100	-87.7200	-87.1580	-86.0720	-83.8540	-79.3000
		-7.1994	-1.9424	3.3545	6.4185	5.1999	-5.9067	2.8220	4.9279	-15.0054
		0.1073	0.2417	0.1414	1.0050	1.4235	0.1118	0.1031	0.1014	0.1024
N	BA 134	BA 135	LA 135	LA 136	LA 137	CE 137	CE 138	PR 140	PR 141	SM 146
		-88.8520	-86.8200	-86.2700	-87.5200	-86.3200	-87.7200	-84.7850	-86.0720	-81.0460
		-8.4760	0.5725	7.0069	7.7010	7.1824	-6.1342	6.9444	5.1303	-15.7510
		0.1073	0.1414	0.1281	0.1221	1.0050	0.1118	0.1016	0.1014	0.1033
P	CS 134	CS 135	BA 135	BA 136	BA 137	LA 137	LA 138	CE 140	CE 141	PM 146
		-86.7930	-87.7700	-89.1400	-88.0200	-87.5200	-86.7100	-88.1250	-85.4920	-79.5180
		-12.9559	-6.2515	-4.9749	2.9740	0.0854	-11.1712	0.1305	1.9164	-19.7899
		0.1063	0.1073	0.1073	0.1281	0.1414	1.0050	0.1114	0.1016	0.1013
D	CS 133	CS 134	BA 134	BA 135	BA 136	LA 136	LA 137	CE 139	CE 140	PM 145
		-88.1600	-86.7930	-88.8520	-89.1400	-86.2700	-87.5200	-87.1580	-88.1250	-81.3260
		-15.7369	-6.6985	-7.9690	-0.9420	-1.1786	-14.2352	-1.1215	-0.8646	-21.5949
		0.1031	0.1063	0.1063	0.1073	0.2417	0.1414	0.1118	0.1114	0.1146
T	CS 132	CS 133	BA 133	BA 134	BA 135	LA 135	LA 136	CE 138	CE 139	PM 144
		-87.1930	-88.1600	-87.6720	-88.8520	-86.8200	-86.2700	-87.7200	-87.1580	-81.3350
		-13.6394	-7.1079	-7.4623	-2.9824	-0.1914	-11.3466	-2.1129	-0.5760	-19.1143
		0.1001	0.1063	0.1063	0.1073	0.1414	0.1281	0.1118	0.1114	0.1010
HE3	XE 132	XE 133	CS 133	CS 134	CS 135	BA 135	BA 136	LA 138	LA 139	ND 144
		-89.2719	-87.7320	-88.1600	-86.7930	-87.7700	-89.1400	-86.7100	-87.4280	-83.7970
		-1.9937	6.9386	4.0772	10.8912	11.3382	13.3786	11.2037	11.2126	-6.3657
		0.1001	0.1001	0.1031	0.1063	0.1073	0.1073	1.0050	0.1118	0.1010
HE4	XE 131	XE 132	CS 132	CS 133	CS 134	BA 134	BA 135	LA 137	LA 138	ND 143
		-88.4110	-89.2719	-87.1930	-88.1600	-86.7930	-88.8520	-87.5200	-86.7100	-84.0390
		-16.8862	-7.6268	-11.4002	-4.3863	-3.4352	-2.2669	-15.4814	-4.6698	-4.4009
		0.1002	0.1002	0.1023	0.1003	0.1032	0.2973	0.1064	0.2417	0.1415
HE6	XE 129	XE 130	CS 130	CS 131	CS 132	BA 132	BA 133	LA 135	LA 136	ND 141
		-88.6920	-89.8800	-86.8890	-88.0560	-87.1930	-88.3800	-87.6720	-86.8200	-86.2700
		-13.5654	-7.1070	-4.8994	-0.5215	2.1535	0.0559	-11.4836	1.9789	-15.9964
		0.1003	0.1006	0.1001	0.1001	0.1001	0.1031	0.1063	0.1281	0.1014
LI6	I 129	I 130	XE 130	XE 131	XE 132	CS 132	CS 133	BA 135	BA 136	PR 141
		-88.5030	-86.8900	-89.8800	-88.4110	-89.2719	-87.1930	-88.1600	-89.1400	-86.0720

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56 BA 136

MASS EXCESS -89.1400 +/- 0.0800 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.9514	5.6690	10.7059	13.2380	12.9493	1.4097	8.8024	8.8733	-9.7690
		0.1063	1.0032	0.0943	0.0938	0.0938	0.0820	0.0816	0.0814	0.0812
GAMMA	BA 136	BA 137	LA 137	LA 138	LA 139	CE 139	CE 140	PR 142	PR 143	SM 148
		-88.0200	-87.5200	-86.7100	-87.4280	-87.1580	-88.1250	-83.8540	-83.1060	-79.3710
		-9.2314	-3.6524	3.4445	4.4485	5.4399	-7.6287	2.9490	1.5499	-17.9114
		0.1281	0.1281	1.0032	0.0943	0.0943	0.0938	0.0818	0.0816	0.0812
N	BA 135	BA 136	LA 136	LA 137	LA 138	CE 138	CE 139	PR 141	PR 142	SM 147
		-87.9800	-86.2700	-87.5200	-86.7100	-87.7200	-87.1580	-86.0720	-83.8540	-79.3000
		-8.6590	-2.0475	4.7269	7.0110	5.2123	-6.5762	3.1514	3.1093	-17.3540
		0.1281	0.1131	0.1063	0.0943	0.0943	0.0938	0.0818	0.0928	0.0812
P	CS 135	CS 136	BA 136	BA 137	BA 138	LA 138	LA 139	CE 141	CE 142	PM 147
		-87.7700	-86.3100	-88.0200	-88.4900	-86.7100	-87.4280	-85.4920	-84.6310	-79.0750
		-15.4829	-6.4345	-7.0069	0.6940	0.1754	-13.1412	-0.0625	-1.8766	-22.7579
		0.0890	0.1281	0.1281	0.1063	1.0032	0.0943	0.0820	0.0818	0.0841
D	CS 134	CS 135	BA 134	BA 136	BA 137	LA 137	LA 138	CE 140	CE 141	PM 146
		-86.7930	-87.7700	-87.9800	-88.0200	-87.5200	-86.7100	-88.1250	-85.4920	-79.5180
		-15.9299	-9.2255	-7.9490	-2.9740	-2.8886	-14.1452	-2.8435	-1.0576	-22.7639
		0.0877	0.0890	0.0890	0.1281	0.1281	1.0032	0.0938	0.0820	0.0816
T	CS 133	CS 134	BA 134	BA 135	BA 136	LA 136	LA 137	CE 139	CE 140	PM 145
		-88.1600	-86.7930	-88.8520	-87.9800	-86.2700	-87.5200	-87.1580	-88.1250	-81.3260
		-16.3393	-7.8794	-9.9893	-3.1654	-2.8114	-13.6266	-2.5549	-4.8070	-22.6023
		0.0877	0.0801	0.0890	0.1281	0.1131	0.1063	0.0938	0.0822	0.0812
HE3	XE 133	XE 134	CS 134	CS 135	CS 136	BA 136	BA 137	LA 139	LA 140	ND 145
		-87.7320	-88.1205	-86.7930	-87.7700	-86.3100	-88.0200	-87.4280	-84.3570	-81.4690
		-2.2928	4.2387	3.8842	8.3642	11.1552	11.3466	9.2337	10.7706	-7.7677
		0.0801	0.0877	0.0877	0.0890	0.1281	0.1281	0.0943	0.0938	0.0812
HE4	XE 132	XE 133	CS 133	CS 134	CS 135	BA 135	BA 136	LA 138	LA 139	ND 144
		-89.2719	-87.7320	-88.1600	-86.7930	-87.7700	-87.9800	-86.7100	-87.4280	-83.7970
		-16.8582	-10.2558	-11.3932	-6.4093	-3.6283	-4.1349	-15.4614	-6.3798	-4.3109
		0.0803	0.0802	0.0804	0.0839	0.0878	0.0878	0.0891	0.1281	1.0032
HE6	XE 130	XE 131	CS 131	CS 132	CS 133	BA 133	BA 134	LA 136	LA 137	ND 142
		-89.8800	-88.4110	-88.0560	-87.1930	-88.1600	-87.6720	-88.8520	-86.2700	-87.5200
		-16.3384	-7.7164	-7.5284	-0.8206	-0.5464	-0.1371	-14.0106	-0.3011	-19.3744
		0.0808	0.0801	0.0801	0.0801	0.0877	0.0877	0.0890	0.1063	0.0816
LI6	I 130	I 131	XE 131	XE 132	XE 133	CS 133	CS 134	BA 136	BA 137	PR 142
		-86.8900	-87.4406	-88.4110	-89.2719	-87.7320	-88.1600	-86.7930	-88.0200	-83.8540

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56 Ba 136

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.5414	5.9790	12.5439	11.2870	15.0363	-0.1033	9.1744	7.6953	-10.8750
		0.0860	0.0860	0.0854	0.0725	0.0723	0.0720	0.0716	0.0716	0.0714
GAMMA	BA 137	BA 138	LA 138	LA 139	LA 140	CE 140	CE 141	PR 143	PR 144	SM 149
		-88.4900	-86.7100	-87.4280	-84.3570	-88.1250	-85.4920	-83.1060	-80.8080	-77.1450
		-6.9514	-1.2824	3.7545	6.2865	5.9979	-5.5417	1.8510	1.9219	-16.7204
		0.1063	1.0024	0.0860	0.0854	0.0854	0.0723	0.0718	0.0716	0.0714
N	BA 136	BA 137	LA 137	LA 138	LA 139	CE 139	CE 140	PR 142	PR 143	SM 148
		-89.1400	-87.5200	-86.7100	-87.4280	-87.1580	-88.1250	-83.8540	-83.1060	-79.3710
		-8.9990	-0.3875	6.3169	4.7710	7.0504	-8.5272	3.4104	1.2633	-18.3880
		0.1063	0.0990	0.0860	0.0860	0.0854	0.0725	0.0843	0.0723	0.0740
P	CS 136	CS 137	BA 137	BA 138	BA 139	LA 139	LA 140	CE 142	CE 143	PM 148
		-86.3100	-86.8500	-88.4900	-85.1300	-87.4280	-84.3570	-84.6310	-81.6650	-76.9210
		-13.3859	-6.7745	-4.7269	2.2840	0.4854	-11.3032	-1.5755	-1.6176	-22.0809
		0.1221	0.1063	0.1063	0.0860	0.0860	0.0854	0.0720	0.0843	0.0714
D	CS 135	CS 136	BA 136	BA 137	BA 138	LA 138	LA 139	CE 141	CE 142	PM 147
		-87.7700	-86.3100	-89.1400	-88.4900	-86.7100	-87.4280	-85.4920	-84.6310	-79.0750
		-16.1769	-7.1285	-7.7010	-0.6940	-0.5186	-13.8352	-0.7565	-2.5707	-23.4520
		0.0801	0.1221	0.1221	0.1063	1.0024	0.0860	0.0723	0.0720	0.0747
T	CS 134	CS 135	BA 135	BA 136	BA 137	LA 137	LA 138	CE 140	CE 141	PM 146
		-86.7930	-87.7700	-87.9800	-89.1400	-87.5200	-86.7100	-88.1250	-85.4920	-79.5180
		-14.8308	-8.2699	-7.8923	-3.5054	-1.1514	-12.0366	-4.5059	-4.9820	-21.9923
		0.0702	0.1221	0.1221	0.1063	0.0990	0.0860	0.0725	0.0783	0.0714
HE3	XE 134	XE 135	CS 135	CS 136	CS 137	BA 137	BA 138	LA 140	LA 141	ND 146
		-88.1205	-86.6100	-87.7700	-86.3100	-86.8500	-88.4900	-84.3570	-83.0620	-80.9590
		-2.7127	5.7472	3.6372	10.4612	10.8152	13.6266	11.0717	8.8196	-8.9757
		0.0787	0.0702	0.0801	0.1221	0.1063	0.1063	0.0855	0.0725	0.0714
HE4	XE 133	XE 134	CS 134	CS 135	CS 136	BA 136	BA 137	LA 139	LA 140	ND 145
		-87.7320	-88.1205	-86.7930	-87.7700	-86.3100	-89.1400	-87.4280	-84.3570	-81.4690
		-17.2072	-8.2749	-11.1362	-4.3223	-3.8752	-1.8349	-15.2135	-4.0098	-4.0009
		0.0702	0.0703	0.0744	0.0788	0.0802	0.0802	0.1221	1.0025	0.0861
HE6	XE 131	XE 132	CS 132	CS 133	CS 134	BA 134	BA 135	LA 137	LA 138	ND 143
		-88.4110	-89.2719	-87.1930	-88.1600	-86.7930	-88.8520	-87.9800	-87.5200	-86.7100
		-14.6678	-8.3230	-5.5475	-1.2405	0.9620	-0.3841	-11.9136	1.2889	-19.0024
		0.0701	0.0704	0.0701	0.0787	0.0702	0.0801	0.1221	0.0860	0.0716
LI6	I 131	I 132	XE 132	XE 133	XE 134	CS 134	CS 135	BA 137	BA 138	PR 143
		-87.4406	-85.7140	-89.2719	-87.7320	-88.1205	-86.7930	-87.7700	-88.4900	-83.1060

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MASS EXCESS -88.4900 +/- 0.0500 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		4.7114	6.2270	9.0029	9.5220	11.9333	-1.4342	6.4064	6.0813	-11.4340
		0.0707	0.0700	0.0535	0.0610	0.0528	0.0686	0.0522	0.0528	0.0517
GAMMA	BA 138	BA 139	LA 139	LA 140	LA 141	CE 141	CE 142	PR 144	PR 145	SM 150
		-85.1300	-87.4280	-84.3570	-83.0620	-85.4920	-84.6310	-80.8080	-79.6640	-77.0560
		-8.5414	-2.5624	4.0025	2.7455	6.4949	-8.6447	0.6330	-0.8461	-19.4164
		0.0860	0.0707	0.0700	0.0535	0.0531	0.0528	0.0522	0.0522	0.0519
N	BA 137	BA 138	LA 138	LA 139	LA 140	CE 140	CE 141	PR 143	PR 144	SM 149
		-88.0200	-86.7100	-87.4280	-84.3570	-88.1250	-85.4920	-83.1060	-80.8080	-77.1450
		-8.9290	-4.0475	2.4869	2.4780	3.5094	-10.2922	-0.0256	-0.3837	-19.7050
		0.0860	0.0918	0.0707	0.0542	0.0535	0.0610	0.0532	0.0532	0.0519
P	CS 137	CS 138	BA 138	BA 139	BA 140	LA 140	LA 141	CE 143	CE 144	PM 149
		-86.8500	-83.6600	-85.1300	-83.3070	-84.3570	-83.0620	-81.6650	-80.4880	-76.0740
		-15.3159	-6.7045	-6.3169	-1.5460	0.7334	-14.8442	-2.9065	-5.0536	-24.7049
		0.0943	0.0860	0.0860	0.0707	0.0700	0.0535	0.0686	0.0532	0.0555
D	CS 136	CS 137	BA 137	BA 138	BA 139	LA 139	LA 140	CE 142	CE 143	PM 148
		-86.3100	-86.8500	-88.0200	-85.1300	-87.4280	-84.3570	-84.6310	-81.6650	-76.9210
		-15.6699	-9.0585	-7.0110	-2.2840	-1.7986	-13.5872	-3.8595	-3.9016	-24.3649
		0.1118	0.0943	0.0943	0.0860	0.0707	0.0700	0.0528	0.0686	0.0519
T	CS 135	CS 136	BA 136	BA 137	BA 138	LA 138	LA 139	CE 141	CE 142	PM 147
		-87.7700	-86.3100	-89.1400	-88.0200	-86.7100	-87.4280	-85.4920	-84.6310	-79.0750
		-16.8113	-8.9279	-9.8223	-3.4354	-4.8114	-15.8666	-6.2709	-8.3940	-25.2433
		0.1118	0.0504	0.0943	0.0860	0.0918	0.0707	0.0610	0.0781	0.0528
HE3	XE 135	XE 136	CS 136	CS 137	CS 138	BA 138	BA 139	LA 141	LA 142	ND 147
		-86.6100	-86.4220	-86.3100	-86.8500	-83.6600	-85.1300	-83.0620	-80.1200	-78.1780
		-2.7942	3.7667	4.1442	8.5312	10.8852	12.0366	7.5307	7.0546	-9.9557
		0.0502	0.1118	0.1118	0.0943	0.0860	0.0860	0.0535	0.0610	0.0519
HE4	XE 134	XE 135	CS 135	CS 136	CS 137	BA 137	BA 138	LA 140	LA 141	ND 146
		-88.1205	-86.6100	-87.7700	-86.3100	-86.8500	-88.0200	-84.3570	-83.0620	-80.9590
		-16.8163	-10.2848	-10.6392	-6.1593	-3.3682	-3.1769	-14.5234	-5.2898	-3.7529
		0.0504	0.0617	0.0617	0.0635	0.1119	0.1119	0.0944	0.0708	0.0521
HE6	XE 132	XE 133	CS 133	CS 134	CS 135	BA 135	BA 136	LA 138	LA 139	ND 144
		-89.2719	-87.7320	-88.1600	-86.7930	-87.7700	-87.9800	-89.1400	-86.7100	-87.4280
		-16.8644	-8.5770	-7.5574	-1.3220	-1.0184	0.1229	-13.8436	-2.5411	-21.7704
		0.0505	0.0781	0.0616	0.0502	0.1118	0.1118	0.0943	0.0707	0.0522
LI6	I 132	I 133	XE 133	XE 134	XE 135	CS 135	CS 136	BA 138	BA 139	PR 144
		-85.7140	-85.9300	-87.7320	-88.1205	-86.6100	-87.7700	-86.3100	-85.1300	-80.8080

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI
OUTGOING										
		7.8414	4.2390	9.5159	13.4480	10.7413	0.3597	8.7484	11.2673	-10.2630
		1.4958	1.4958	0.4731	0.4731	1.1140	1.1049	0.5576	0.5630	0.4703
GAMMA	CE 136	CE 137	PR 137	PR 138	PR 139	ND 139	ND 140	PM 142	PM 143	GD 148
		-86.3200	-83.5000	-82.9300	-85.0480	-82.3600	-84.4850	-81.2100	-82.9100	-76.2870
				2.0145	3.2585		-9.8367	0.1170	1.4959	-19.3214
			MASS	1.4958	0.4731	MASS	1.1140	0.5108	0.5576	1.1504
N	CE 135	CE 136	PR 136	PR 137	PR 138	ND 138	ND 139	PM 141	PM 142	GD 147
			UNKNOWN	-83.5000	-82.9300	UNKNOWN	-82.3600	-80.6500	-81.2100	-75.3000
				5.6169	8.8310	4.0224	-6.3662	4.5214	7.0783	-16.3390
		0.5025		1.4958	0.4727	0.4731	0.4731	0.4704	0.4702	0.5630
P	LA 135	LA 136	CE 136	CE 137	CE 138	PR 138	PR 139	ND 141	ND 142	EU 147
		-86.2700		-86.3200	-87.7200	-82.9300	-85.0480	-84.2720	-86.0100	-77.5000
					1.5840	-1.2546	-14.3312	-1.1125	-0.5066	-22.5019
		0.4738	-7.7669		1.4958	1.4958	0.4731	1.1049	0.4704	0.4712
D	LA 134	LA 135	CE 135	CE 136	CE 137	PR 137	PR 138	ND 140	ND 141	EU 146
		-85.0800	-84.6300		-86.3200	-83.5000	-82.9300	-84.4850	-84.2720	-77.1840
				-3.7340						
		-8.3485	-9.2710	1.4958		MASS	1.4958	1.1140	1.1049	0.4727
T	LA 133	LA 134	CE 134	CE 135	CE 136	PR 136	PR 137	ND 139	ND 140	EU 145
		-85.0800	-84.9400	-84.6300		UNKNOWN	-83.5000	-82.3600	-84.4850	-77.8800
				-1.5254	-0.2614					
		-4.5579	-9.1123	0.5189	0.4805		-12.7366	-2.3449	-1.7890	-20.8093
HE3	BA 133	BA 134	LA 134	LA 135	LA 136	CE 136	CE 137	PR 139	PR 140	SM 145
		-87.6720	-85.0800	-86.8200	-86.2700		-86.3200	-85.0480	-84.7850	-80.6720
				9.2412	12.7952	10.5866		8.0437	10.9806	-6.9948
		6.7687	3.7842	0.4738	0.5189	1.4958		0.4731	0.4731	0.4702
HE4	BA 132	BA 133	LA 133	LA 134	LA 135	CE 135	CE 136	PR 138	PR 139	SM 144
		-87.6720	-85.4700	-85.0800	-86.8200	-84.6300		-82.9300	-85.0480	-81.9800
				-7.4523	-3.7282	-6.5469	-16.7835		-5.7409	
		-9.1848	-12.9292	0.5576	0.5108	1.1231	0.4786	MASS	1.4958	MASS
HE6	BA 130	BA 131	LA 131	LA 132	LA 133	CE 134	CE 134	PR 136	PR 137	SM 142
		-87.3310	-83.9300	-83.5600	-85.4700	-82.6700	-84.9400	UNKNOWN	-83.5000	UNKNOWN
				0.8775	1.9836	-0.2371	-13.1336		0.5889	-19.4284
		-4.5110	-6.4574	0.5471	0.4714	0.5108	0.4738		1.4958	0.5576
LI6	CS 130	CS 131	BA 131	BA 132	BA 133	LA 133	LA 134	CE 136	CE 137	PM 142
		-86.8890	-86.8920	-88.3800	-87.6720	-85.4700	-85.0800		-86.3200	-81.2100

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MASS EXCESS -87.7200 +/- 0.0500 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.5094	4.6170	10.2009	13.3019	11.4833	0.7148	7.7034	8.5133	-11.9020
		0.0700	0.0736	0.0559	0.0528	0.0539	0.0519	0.0751	0.0525	0.0546
GAMMA	CE 138	CE 139	PR 139	PR 140	PR 141	ND 141	ND 142	PM 144	PM 145	GD 150
		-87.1580	-85.0480	-84.7850	-86.0720	-84.2720	-86.0100	-81.3350	-81.3260	-75.8180
		-9.4714	-5.5724	2.3925	3.9435	3.6249	-9.0947	1.2070	0.4509	-20.6214
		1.4209	0.0736	0.0736	0.0559	1.0012	0.0539	0.3140	0.0751	0.1581
N	CE 137	CE 138	PR 138	PR 139	PR 140	ND 140	ND 141	PM 143	PM 144	GD 149
		-86.3200	-82.9300	-85.0480	-84.7850	-84.4850	-84.2720	-82.9100	-81.3350	-75.1700
		-7.4890	-0.2275	5.2849	8.0660	4.7073	-6.5122	3.1184	3.6953	-18.6190
		1.0012	0.0707	0.0700	0.0531	0.0559	0.0528	0.0519	0.0519	1.0012
P	LA 137	LA 138	CE 138	CE 139	CE 140	PR 140	PR 141	ND 143	ND 144	EU 149
		-87.5200	-86.7100	-87.1580	-88.1250	-84.7850	-86.0720	-84.0390	-83.7970	-76.3900
		-14.5859	-5.2645	-7.2469	1.2520	-0.8766	-13.6462	-0.7575	-1.9096	-24.5759
		0.1118	1.0012	1.4209	0.0700	0.0736	0.0559	0.0519	0.0519	0.0707
D	LA 136	LA 137	CE 137	CE 138	CE 139	PR 139	PR 140	ND 142	ND 143	EU 148
		-86.2700	-87.5200	-86.3200	-87.1580	-85.0480	-84.7850	-86.0100	-84.0390	-76.2800
		-15.8499	-8.3285	-8.8310	-3.2140	-4.8086	-15.1972	-4.3095	-1.7526	-25.1699
		0.2256	0.1118	0.4727	1.4209	0.0736	0.0736	0.0539	0.0519	0.3140
T	LA 135	LA 136	CE 136	CE 137	CE 138	PR 138	PR 139	ND 141	ND 142	EU 147
		-86.8200	-86.2700	-86.5500	-86.3200	-82.9300	-85.0480	-84.2720	-86.0100	-77.5000
		-14.6713	-5.4399	-9.0923	-1.9954	-0.9914	-13.0686	-2.4909	-3.8900	-23.3513
		0.1118	0.0943	0.1118	1.0012	0.0707	0.0700	0.0528	0.0525	0.0519
HE3	BA 135	BA 136	LA 136	LA 137	LA 138	CE 138	CE 139	PR 141	PR 142	SM 147
		-87.9800	-89.1400	-86.2700	-87.5200	-86.7100	-87.1580	-86.0720	-83.8540	-79.3000
		-1.2927	5.9067	3.9642	9.2612	12.3252	11.1066	8.7287	10.8345	-9.0988
		0.0634	0.1118	0.2256	0.1118	1.0012	1.4209	0.0559	0.0528	0.0546
HE4	BA 134	BA 135	LA 135	LA 136	LA 137	CE 137	CE 138	PR 140	PR 141	SM 146
		-88.8520	-87.9800	-86.8200	-86.2700	-87.5200	-86.3200	-84.7850	-86.0720	-81.0460
		-16.9382	-9.5748	-12.5592	-7.1023	-3.5483	-5.7569	-16.3434	-8.2998	-5.3629
		0.2845	0.0617	0.2062	0.0782	0.2256	1.4209	0.4727	0.0737	0.0521
HE6	BA 132	BA 133	LA 133	LA 134	LA 135	CE 135	CE 136	PR 138	PR 139	SM 144
		-88.3800	-87.6720	-85.4700	-85.0800	-86.8200	-84.6300	-86.5500	-82.9300	-85.0480
		-14.6154	-5.5770	-6.8474	0.1795	1.1215	-0.0571	-13.1136	0.2569	-20.4734
		0.0559	0.0616	0.0616	0.0634	0.1118	0.2256	0.1118	0.0700	0.0751
LI6	CS 132	CS 133	BA 133	BA 134	BA 135	LA 135	LA 136	CE 138	CE 139	PM 144
		-87.1930	-88.1600	-87.6720	-88.8520	-87.9800	-86.8200	-86.2700	-87.1580	-81.3350

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MASS EXCESS -88.1250 +/- 0.0180 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.4384	5.2360	8.8649	9.9310	10.8453	-1.9032	5.4814	5.8573	-13.4150
		0.0248	0.0248	0.0241	0.0234	0.0228	0.0228	0.0316	0.0228	0.0234
GAMMA	CE 140	CE 141	PR 141	PR 142	PR 143	ND 143	ND 144	PM 146	PM 147	GD 152
		-85.4920	-86.0720	-83.8540	-83.1060	-84.0390	-83.7970	-79.5180	-79.0750	-74.7100
		-9.0384	-4.1224	3.0115	2.6075	4.7449	-9.7327	-0.7820	-1.7711	-21.9264
		0.0522	0.0308	0.0248	0.0241	0.0228	0.0228	0.0241	0.0316	1.0002
N	CE 139	CE 140	PR 140	PR 141	PR 142	ND 142	ND 143	PM 145	PM 146	GD 151
		-87.1580	-84.7850	-86.0720	-83.8540	-86.0100	-84.0390	-81.3260	-79.5180	-74.2700
		-7.9860	-2.9855	3.2139	4.1670	3.3714	-9.8832	0.1434	0.4523	-20.7440
		0.0522	0.0262	0.0248	0.0503	0.0241	0.0234	0.0228	0.0228	0.0269
P	LA 139	LA 140	CE 140	CE 141	CE 142	PR 142	PR 143	ND 145	ND 146	EU 151
		-87.4280	-84.3570	-85.4920	-84.6310	-83.8540	-83.1060	-81.4690	-80.9590	-74.6700
		-14.5509	-5.7615	-6.8139	-0.8190	-0.2576	-14.9822	-3.3755	-4.8846	-26.4539
		0.0531	0.0522	0.0522	0.0248	0.0248	0.0241	0.0228	0.0228	0.0284
D	LA 138	LA 139	CE 139	CE 140	CE 141	PR 141	PR 142	ND 144	ND 145	EU 150
		-86.7100	-87.4280	-87.1580	-85.4920	-86.0720	-83.8540	-83.7970	-81.4690	-74.8070
		-15.5549	-8.2935	-8.0660	-2.7810	-3.3586	-14.5782	-4.9475	-4.3706	-26.6849
		1.0002	0.0531	0.0531	0.0522	0.0308	0.0248	0.0228	0.0228	1.0002
T	LA 137	LA 138	CE 138	CE 139	CE 140	PR 140	PR 141	ND 143	ND 144	EU 149
		-87.5200	-86.7100	-87.7200	-87.1580	-84.7850	-86.0720	-84.0390	-83.7970	-76.3900
		-15.0363	-6.4949	-9.0573	-2.4924	-3.7494	-15.1396	-5.8619	-7.3410	-25.9113
		0.0723	0.0531	0.0531	0.0522	0.0262	0.0248	0.0235	0.0235	0.0228
HE3	BA 137	BA 138	LA 138	LA 139	LA 140	CE 140	CE 141	PR 143	PR 144	SM 149
		-88.0200	-88.4900	-86.7100	-87.4280	-84.3570	-85.4920	-83.1060	-80.8080	-77.1450
		-1.4097	5.5417	4.2592	9.2962	11.8282	11.5396	7.3927	7.4636	-11.1787
		0.0820	0.0723	1.0002	0.0531	0.0522	0.0522	0.0241	0.0235	0.0228
HE4	BA 136	BA 137	LA 137	LA 138	LA 139	CE 139	CE 140	PR 142	PR 143	SM 148
		-89.1400	-88.0200	-87.5200	-86.7100	-87.4280	-87.1580	-83.8540	-83.1060	-79.3710
		-16.8712	-9.6718	-11.6142	-6.3173	-3.2532	-4.4719	-15.5784	-6.8498	-4.7439
		0.0431	0.1017	0.2208	0.1017	1.0002	1.4201	0.0533	0.0311	0.0287
HE6	BA 134	BA 135	LA 135	LA 136	LA 137	CE 137	CE 138	PR 140	PR 141	SM 146
		-88.8520	-87.9800	-86.8200	-86.2700	-87.5200	-86.3200	-87.7200	-84.7850	-81.0460
		-15.4204	-6.3720	-6.9444	0.0625	0.7566	0.2379	-13.0786	-1.8141	-22.6954
		0.0430	0.1016	0.1016	0.0820	0.0723	1.0002	0.0532	0.0248	0.0316
LI6	CS 134	CS 135	BA 135	BA 136	BA 137	LA 137	LA 138	CE 140	CE 141	PM 146
		-86.7930	-87.7700	-87.9800	-89.1400	-88.0200	-87.5200	-86.7100	-85.4920	-79.5180

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MASS EXCESS -84.6310 +/- 0.0470 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING			5.1054	5.7640	9.3129	9.9830	11.7693	-1.2472	6.3784	6.3503	-10.9780
			0.0503	0.0493	0.0493	0.0500	0.0490	0.0490	0.0528	0.0491	0.0503
GAMMA	CE 142	CE 143	PR 143	PR 144	PR 145	ND 145	ND 146	PM 148	PM 149	GD 154	
		-81.6650	-83.1060	-80.8080	-79.6640	-81.4690	-80.9590	-76.9210	-76.0740	-73.6530	
		-7.2104		-1.5594	3.5395	3.0555	6.0259	-8.8087	0.4610	-0.8741	-19.5844
		0.0500		0.0496	0.0493	0.0493	0.0490	0.0490	0.0491	0.0528	0.0500
N	CE 141	CE 142	PR 142	PR 143	PR 144	ND 144	ND 145	PM 147	PM 148	GD 153	
		-85.4920	-83.8540	-83.1060	-80.8080	-83.7970	-81.4690	-79.0750	-76.9210	-73.1180	
		-8.8580	-3.7285		2.8809	3.5180	3.8194	-9.8312	0.3464	0.4223	-18.5590
		0.0586	0.0762		0.0503	0.0503	0.0493	0.0500	0.0500	0.0491	0.0496
P	LA 141	LA 142	CE 142	CE 143	CE 144	PR 144	PR 145	ND 147	ND 148	EU 153	
		-83.0620	-80.1200	-81.6650	-80.4880	-80.8080	-79.6640	-78.1780	-77.4350	-73.3610	
		-13.4099	-6.6335	-4.9859		-1.1520	0.2704	-14.5342	-2.7195	-4.6816	-24.8779
		0.0507	0.0586	0.0500		0.0503	0.0493	0.0493	0.0491	0.0500	0.0490
D	LA 140	LA 141	CE 141	CE 142	CE 143	PR 143	PR 144	ND 146	ND 147	EU 152	
		-84.3570	-83.0620	-85.4920	-81.6650	-83.1060	-80.8080	-80.9590	-78.1780	-72.8890	
		-12.1529	-7.1525	-4.1670	-0.9530		-0.7956	-14.0502	-4.0235	-3.7146	-24.9109
		0.0679	0.0507	0.0503	0.0500		0.0496	0.0493	0.0491	0.0491	0.0511
T	LA 139	LA 140	CE 140	CE 141	CE 142	PR 142	PR 143	ND 145	ND 146	EU 151	
		-87.4280	-84.3570	-88.1250	-85.4920	-83.8540	-83.1060	-81.4690	-80.9590	-74.6700	
		-14.4323	-8.1839	-7.9163	-3.3644	-4.4924		-15.4726	-5.8099	-7.8950	-24.9683
		0.0686	0.0515	0.0507	0.0586	0.0762		0.0503	0.0500	0.2055	0.0511
HE3	BA 139	BA 140	LA 140	LA 141	LA 142	CE 142	CE 143	PR 145	PR 146	SM 151	
		-85.1300	-83.3070	-84.3570	-83.0620	-80.1200	-81.6650	-79.6640	-76.7600	-74.5940	
		1.4343	6.1457	7.6612	10.4372	10.9562	13.3676		7.8407	7.5156	-9.9997
		0.0686	0.0686	0.0679	0.0507	0.0586	0.0500		0.0493	0.0500	0.0488
HE4	BA 138	BA 139	LA 139	LA 140	LA 141	CE 141	CE 142	PR 144	PR 145	SM 150	
		-88.4900	-85.1300	-87.4280	-84.3570	-83.0620	-85.4920	-80.8080	-79.6640	-77.0560	
		-13.0892	-6.1378	-7.4202	-2.3833	0.1488	-0.1399	-11.6794	-4.2868	-4.2159	-22.8582
		0.0929	0.0844	1.0011	0.0687	0.0680	0.0680	0.0505	0.0498	0.0495	0.0492
HE6	BA 136	BA 137	LA 137	LA 138	LA 139	CE 139	CE 140	PR 142	PR 143	SM 148	
		-89.1400	-88.0200	-87.5200	-86.7100	-87.4280	-87.1580	-88.1250	-83.8540	-83.1060	-79.3710
		-12.4094	-3.7980	-3.4104	2.9065	1.3606	3.6399	-11.9376		-2.1471	-21.7984
		0.0928	0.0843	0.0843	0.0686	0.0686	0.0679	0.0507		0.0504	0.0528
LI6	CS 136	CS 137	BA 137	BA 138	BA 139	LA 139	LA 140	CE 142	CE 143	PM 148	
		-86.3100	-86.8500	-88.0200	-88.4900	-85.1300	-87.4280	-84.3570	-81.6650	-76.9210	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.8534	7.2270	11.1029	12.6750	10.1943	-2.3212	7.3164	8.2063	-14.8020
		0.0233	0.0220	0.0220	0.0220	0.0585	0.0233	0.0221	0.0221	1.0001
GAMMA	PR 141	PR 142	ND 142	ND 143	ND 144	PM 144	PM 145	SM 147	SM 148	TB 153
		-83.8540	-86.0100	-84.0390	-83.7970	-81.3350	-81.3260	-79.3000	-79.3710	-71.2700
		-9.3584	-2.5824	5.0025	4.8455	3.6979	-10.3837	0.9910	0.0639	-23.6134
		0.0302	0.0262	0.0220	0.0220	0.3105	0.0585	0.0278	0.0221	0.1510
N	PR 140	PR 141	ND 141	ND 142	ND 143	PM 143	PM 144	SM 146	SM 147	TB 152
		-84.7850	-84.2720	-86.0100	-84.0390	-82.9100	-81.3350	-81.0460	-79.3000	-70.5300
		-5.2360	0.2025	3.6289	4.6950	5.6094	-7.1392	0.2454	0.6213	-18.6510
		0.0248	0.0240	0.0233	0.0227	0.0220	0.0220	0.0311	0.0221	0.0227
P	CE 140	CE 141	PR 141	PR 142	PR 143	ND 143	ND 144	PM 146	PM 147	GD 152
		-88.1250	-85.4920	-83.8540	-83.1060	-84.0390	-83.7970	-79.5180	-79.0750	-74.7100
		-12.0499	-3.0115	-7.1339	-0.4040	1.7334	-12.7442	-3.7935	-4.7826	-24.9379
		0.0519	0.0248	0.0302	0.0233	0.0220	0.0220	0.0234	0.0311	1.0001
D	CE 139	CE 140	PR 140	PR 141	PR 142	ND 142	ND 143	PM 145	PM 146	GD 151
		-87.1580	-88.1250	-84.7850	-83.8540	-86.0100	-84.0390	-81.3260	-79.5180	-74.2700
		-13.3019	-5.7925	-8.6850	-3.1010	-1.8186	-12.5872	-5.5985	-4.7886	-25.2039
		0.0528	0.0519	0.0566	0.0302	0.0263	0.0220	0.0585	0.0234	0.0278
T	CE 138	CE 139	PR 139	PR 140	PR 141	ND 141	ND 142	PM 144	PM 145	GD 150
		-87.7200	-87.1580	-85.0480	-84.7850	-84.2720	-86.0100	-81.3350	-81.3260	-75.8180
		-14.2933	-5.5039	-6.5563	0.2576	-0.5614	-14.7246	-3.1179	-4.6270	-26.1963
		0.0528	0.0519	0.0519	0.0248	0.0240	0.0233	0.0221	0.0221	0.0278
HE3	LA 138	LA 139	CE 139	CE 140	CE 141	PR 141	PR 142	ND 144	ND 145	EU 150
		-86.7100	-87.4280	-87.1580	-88.1250	-85.4920	-83.8540	-83.7970	-81.4690	-74.8070
		-0.9767	6.2847	6.5122	11.7972	14.5782	11.2196	9.6307	10.2076	-12.1067
		1.0001	0.0528	0.0528	0.0519	0.0248	0.0302	0.0221	0.0221	1.0001
HE4	LA 137	LA 138	CE 138	CE 139	CE 140	PR 140	PR 141	ND 143	ND 144	EU 149
		-87.5200	-86.7100	-87.7200	-87.1580	-88.1250	-84.7850	-84.0390	-83.7970	-76.3900
		-16.8502	-5.3288	-9.8312	-4.2143	-1.0002	-5.8089	-16.1974	-5.3098	-26.1702
		0.2207	0.1015	0.4703	1.4201	0.0530	0.0568	0.0568	0.0266	0.3105
HE6	LA 135	LA 136	CE 136	CE 137	CE 138	PR 138	PR 139	ND 141	ND 142	EU 147
		-86.8200	-86.2700	-86.5500	-86.3200	-87.7200	-82.9300	-85.0480	-84.2720	-77.5000
		-12.1804	-2.9490	-6.6014	0.4955	1.4996	2.4909	-10.5776	-1.3991	-20.8604
		0.1014	0.0818	0.1014	1.0001	0.0528	0.0528	0.0519	0.0234	0.0221
LI6	BA 135	BA 136	LA 136	LA 137	LA 138	CE 138	CE 139	PR 141	PR 142	SM 147
		-87.9800	-89.1400	-86.2700	-87.5200	-86.7100	-87.7200	-87.1580	-83.8540	-79.3000

60 ND 142

MASS EXCESS -86.0100 +/- 0.0140 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.1004	4.1890	8.4609	10.2660	9.5933	-2.5393	4.3584	5.2873	-15.5500
		0.0198	0.3103	0.0577	0.0213	0.0220	0.0261	0.0519	1.0001	0.0519
GAMMA	ND 142	ND 143	PM 143	PM 144	PM 145	SM 145	SM 146	EU 148	EU 149	DY 154
		-84.0390	-82.9100	-81.3350	-81.3260	-80.6720	-81.0460	-76.2800	-76.3900	-70.4600
		-9.8094	-5.5824	1.9645	2.2035	2.8299	-10.9847	-2.4930	-2.8941	-24.9114
		0.0244	0.3003	0.3103	0.0577	0.0198	0.0220	0.3103	0.0519	0.1507
N	ND 141	ND 142	PM 142	PM 143	PM 144	SM 144	SM 145	EU 147	EU 148	DY 153
		-84.2720	-81.2100	-82.9100	-81.3350	-81.9800	-80.6720	-77.5000	-76.2800	-69.1700
		-7.2270	-1.3735	3.8759	5.4480	2.9674	-9.5482	0.0894	0.9793	-22.0290
		0.0220	0.0213	0.0198	0.0198	0.0577	0.0213	0.0198	0.0198	1.0001
P	PR 141	PR 142	ND 142	ND 143	ND 144	PM 144	PM 145	SM 147	SM 148	TB 153
		-86.0720	-83.8540	-84.0390	-83.7970	-81.3350	-81.3260	-79.3000	-79.3710	-71.2700
		-14.3609	-5.0025	-7.5849	-0.1570	-1.3046	-15.3862	-4.0115	-4.9386	-28.6159
		0.0287	0.0220	0.0244	0.0198	0.3103	0.0577	0.0261	0.0198	0.1507
D	PR 140	PR 141	ND 141	ND 142	ND 143	PM 143	PM 144	SM 146	SM 147	TB 152
		-84.7850	-86.0720	-84.2720	-84.0390	-82.9100	-81.3350	-81.0460	-79.3000	-70.5300
		-15.9119	-8.1035	-9.1860	-3.5520	-4.8186	-15.6252	-6.1995	-5.0066	-29.3799
		0.0558	0.0287	1.0001	0.0244	0.3003	0.3103	0.0221	0.0261	0.3103
T	PR 139	PR 140	ND 140	ND 141	ND 142	PM 142	PM 143	SM 145	SM 146	TB 151
		-85.0480	-84.7850	-84.4850	-84.2720	-81.2100	-82.9100	-80.6720	-81.0460	-71.5800
		-13.7833	-4.7449	-8.8673	-1.7334	-2.1374	-14.4776	-5.5269	-6.5160	-26.6713
		0.0510	0.0228	0.0287	0.0220	0.0213	0.0198	0.0213	0.0296	1.0001
HE3	CE 139	CE 140	PR 140	PR 141	PR 142	ND 142	ND 143	PM 145	PM 146	GD 151
		-87.1580	-88.1250	-84.7850	-86.0720	-83.8540	-84.0390	-81.3260	-79.5180	-74.2700
		-0.7147	6.7947	3.9022	9.4862	12.5872	10.7686	6.9887	7.7986	-12.6167
		0.0519	0.0510	0.0558	0.0287	0.0220	0.0244	0.0577	0.0213	0.0261
HE4	CE 138	CE 139	PR 139	PR 140	PR 141	ND 141	ND 142	PM 144	PM 145	GD 150
		-87.7200	-87.1580	-85.0480	-84.7850	-86.0720	-84.2720	-81.3350	-81.3260	-75.8180
		-17.0582	-9.2168	-12.8192	-7.5423	-3.6102	-6.3169	-16.6985	-8.3098	-5.7909
		0.4702	1.4201	1.4201	0.0559	0.0559	1.0101	1.0001	0.3004	0.3103
HE6	CE 136	CE 137	PR 137	PR 138	PR 139	ND 139	ND 140	PM 142	PM 143	GD 148
		-86.5500	-86.3200	-83.5000	-82.9300	-85.0480	-82.3600	-84.4850	-81.2100	-82.9100
		-13.8284	-4.5070	-6.4894	0.7575	2.0096	-0.1191	-12.8886	-1.1521	-23.8184
		0.1010	1.0001	1.4201	0.0519	0.0510	0.0558	0.0287	0.0199	0.0519
LI6	LA 136	LA 137	CE 137	CE 138	CE 139	PR 139	PR 140	ND 142	ND 143	EU 148
		-86.2700	-87.5200	-86.3200	-87.7200	-87.1580	-85.0480	-84.7850	-84.0390	-76.2800

60 ND 143

 MASS EXCESS -84.0390 +/- 0.0140 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.8294	4.5850	10.4229	10.4290	11.9383	-2.3142	6.4394	5.6753	-14.9990
		0.0198	0.0577	0.0213	0.0295	0.0261	0.0198	1.0001	0.0261	1.0001
GAMMA	ND 143	ND 144	PM 144	PM 145	PM 146	SM 146	SM 147	EU 149	EU 150	DY 155
		-83.7970	-81.3350	-81.3260	-79.5180	-81.0460	-79.3000	-76.3900	-74.8070	-69.0400
		-6.1004	-1.9114	2.3605	4.1655	3.4929	-8.6397	-1.7420	-0.8131	-21.6504
		0.0198	0.3103	0.0577	0.0213	0.0220	0.0261	0.0519	1.0001	0.0519
N	ND 142	ND 143	PM 143	PM 144	PM 145	SM 145	SM 146	EU 148	EU 149	DY 154
		-86.0100	-82.9100	-81.3350	-81.3260	-80.6720	-81.0460	-76.2800	-76.3900	-70.4600
		-7.4740	-0.1505	5.6049	5.0910	4.9294	-9.3852	2.1314	0.7243	-21.0780
		0.0213	0.0205	0.0198	0.0198	0.0213	0.0295	0.0198	0.0198	1.0001
P	PR 142	PR 143	ND 143	ND 144	ND 145	PM 145	PM 146	SM 148	SM 149	TB 154
		-83.8540	-83.1060	-83.7970	-81.4690	-81.3260	-79.5180	-79.3710	-77.1450	-70.2500
		-11.1029	-5.2495	-3.8759	1.5720	-0.9086	-13.4242	-3.7865	-2.8966	-25.9049
		0.0220	0.0213	0.0198	0.0198	0.0577	0.0213	0.0198	0.0198	1.0001
D	PR 141	PR 142	ND 142	ND 143	ND 144	PM 144	PM 145	SM 147	SM 148	TB 153
		-86.0720	-83.8540	-86.0100	-83.7970	-81.3350	-81.3260	-79.3000	-79.3710	-71.2700
		-14.2039	-4.8455	-7.4280	0.1570	-1.1476	-15.2292	-3.8545	-4.7816	-28.4589
		0.0287	0.0220	0.0244	0.0198	0.3103	0.0577	0.0261	0.0198	0.1507
T	PR 140	PR 141	ND 141	ND 142	ND 143	PM 143	PM 144	SM 146	SM 147	TB 152
		-84.7850	-86.0720	-84.2720	-86.0100	-82.9100	-81.3350	-81.0460	-79.3000	-70.5300
		-10.8453	-5.4069	-5.6093	-1.9804	-0.9144	-12.7486	-5.3639	-4.9880	-24.2603
		0.0228	0.0220	0.0220	0.0213	0.0205	0.0198	0.0296	0.0198	0.0205
HE3	CE 140	CE 141	PR 141	PR 142	PR 143	ND 143	ND 144	PM 146	PM 147	GD 152
		-88.1250	-85.4920	-86.0720	-83.8540	-83.1060	-83.7970	-79.5180	-79.0750	-74.7100
		0.6943	9.7327	5.6102	12.7442	12.3402	14.4776	8.9507	7.9616	-12.1937
		0.0510	0.0228	0.0287	0.0220	0.0213	0.0198	0.0213	0.0296	1.0001
HE4	CE 139	CE 140	PR 140	PR 141	PR 142	ND 142	ND 143	PM 145	PM 146	GD 151
		-87.1580	-88.1250	-84.7850	-86.0720	-83.8540	-86.0100	-81.3260	-79.5180	-74.2700
		-15.3172	-5.8458	-11.4182	-3.4533	-1.9022	-2.2209	-14.9404	-4.6388	-5.3949
		1.4201	0.0521	0.0559	0.0559	0.0289	1.0001	0.0247	0.3103	0.0579
HE6	CE 137	CE 138	PR 138	PR 139	PR 140	ND 140	ND 141	PM 143	PM 144	GD 149
		-86.3200	-87.7200	-82.9300	-85.0480	-84.7850	-84.4850	-84.2720	-82.9100	-81.3350
		-10.6074	-3.3460	-3.1184	2.1665	4.9476	1.5889	-9.6306	0.5769	-21.7374
		1.0001	0.0519	0.0519	0.0510	0.0228	0.0287	0.0221	0.0199	1.0001
LI6	LA 137	LA 138	CE 138	CE 139	CE 140	PR 140	PR 141	ND 143	ND 144	EU 149
		-87.5200	-86.7100	-87.7200	-87.1580	-88.1250	-84.7850	-86.0720	-83.7970	-76.3900

60 ND 146

MASS EXCESS -80.9590 +/- 0.0140 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12

OUTGOING										
		5.2904	5.4050	9.0979	10.0650	11.1173	-1.4782	6.0184	7.3093	-10.5850
		0.0220	0.0198	0.0278	0.0198	0.0198	0.0191	0.0198	0.0213	0.0313
GAMMA	ND 146	ND 147	PM 147	PM 148	PM 149	SM 149	SM 150	EU 152	EU 153	DY 158
		-78.1780	-79.0750	-76.9210	-76.0740	-77.1450	-77.0560	-72.8890	-73.3610	-70.3740
		-7.5614	-2.2234	3.1805	2.8405	5.2719	-9.4607	-0.2720	-1.2341	-19.4204
		0.0198	0.0295	0.0198	0.0278	0.0198	0.0198	0.0244	0.0198	1.0001
N	ND 145	ND 146	PM 146	PM 147	PM 148	SM 148	SM 149	EU 151	EU 152	DY 157
		-81.4690	-79.5180	-79.0750	-76.9210	-79.3710	-77.1450	-74.6700	-72.8890	-69.6100
		-8.5840	-3.4165	3.0659	4.1370	3.6044	-9.7492	0.4344	1.4053	-17.5390
		0.0220	0.2005	0.0220	0.0198	0.0278	0.0198	0.0244	0.0198	0.0244
P	PR 145	PR 146	ND 146	ND 147	ND 148	PM 148	PM 149	SM 151	SM 152	TB 157
		-79.6640	-76.7600	-78.1780	-77.4350	-76.9210	-76.0740	-74.5940	-74.7460	-70.7090
		-13.2869	-6.3595	-5.3369	-0.9670	-0.0886	-14.7492	-2.9505	-4.5936	-24.0049
		0.0205	0.0220	0.0198	0.0220	0.0198	0.0278	0.0191	0.0244	1.0001
D	PR 144	PR 145	ND 145	ND 146	ND 147	PM 147	PM 148	SM 150	SM 151	TB 156
		-80.8080	-79.6640	-81.4690	-78.1780	-79.0750	-76.9210	-77.0560	-74.5940	-70.0900
		-12.8029	-7.0295	-4.8230	-1.3040	-1.4596	-14.4092	-4.6755	-3.9456	-24.7689
		0.0205	0.0205	0.0198	0.0198	0.0295	0.0198	0.0198	0.0191	1.0001
T	PR 143	PR 144	ND 144	ND 145	ND 146	PM 146	PM 147	SM 149	SM 150	TB 155
		-83.1060	-80.8080	-83.7970	-81.4690	-79.5180	-79.0750	-77.1450	-77.0560	-71.1400
		-14.2253	-7.3309	-7.7933	-3.0904	-4.1804	-15.2876	-5.7279	-7.3530	-23.8533
		0.0228	0.0228	0.0205	0.0220	0.2005	0.0220	0.0198	0.0616	0.0220
HE3	CE 143	CE 144	PR 144	PR 145	PR 146	ND 146	ND 147	PM 149	PM 150	GD 155
		-81.6650	-80.4880	-80.8080	-79.6640	-76.7600	-78.1780	-76.0740	-73.6300	-72.0370
		1.2473	6.3527	7.0112	10.5602	11.2302	13.0166	7.6257	7.5976	-9.7307
		0.0490	0.0228	0.0205	0.0205	0.0220	0.0198	0.0278	0.0198	0.0228
HE4	CE 142	CE 143	PR 143	PR 144	PR 145	ND 145	ND 146	PM 148	PM 149	GD 154
		-84.6310	-81.6650	-83.1060	-80.8080	-79.6640	-81.4690	-76.9210	-76.0740	-73.6530
		-10.4322	-4.9938	-5.1962	-1.5673	-0.5012	0.4131	-12.3354	-4.9508	-4.5749
		0.0232	0.0224	0.0224	0.0216	0.0209	0.0202	0.0202	0.0298	0.0202
HE6	CE 140	CE 141	PR 141	PR 142	PR 143	ND 143	ND 144	PM 146	PM 147	GD 152
		-88.1250	-85.4920	-86.0720	-83.8540	-83.1060	-84.0390	-83.7970	-79.5180	-79.0750
		-10.6904	-3.9140	-2.2664	2.7195	1.5676	2.9899	-11.8146	-1.9621	-22.1584
		0.0236	0.0377	0.0221	0.0491	0.0228	0.0205	0.0206	0.0221	0.0198
LI6	LA 140	LA 141	CE 141	CE 142	CE 143	PR 143	PR 144	ND 146	ND 147	EU 152
		-84.3570	-83.0620	-85.4920	-84.6310	-81.6650	-83.1060	-80.8080	-78.1780	-72.8890

6C ND 150

MASS EXCESS -73.6660 +/- 0.0140 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.4054	7.0260	10.7199	12.0440	13.8253	1.1517	10.4684	10.6603	-5.4840
		0.1010	0.0252	1.0001	0.1010	0.0213	0.0198	0.0278	0.0377	0.0228
GAMMA	ND 150	ND 151	PM 151	PM 152	PM 153	SM 153	SM 154	EU 156	EU 157	DY 162
		-71.0000	-73.4030	-71.2500	-70.7600	-72.5600	-72.3930	-70.0460	-69.4190	-68.1820
	-7.3324		-0.8184	4.8015	4.4625	7.9399	-6.7527	4.1400	3.2159	-13.6884
	0.0220		0.0616	0.0252	1.0001	0.0198	0.0213	0.0221	0.0278	0.0228
N	ND 149	ND 150	PM 150	PM 151	PM 152	SM 152	SM 153	EU 155	EU 156	DY 161
	-74.4050		-73.6300	-73.4030	-71.2500	-74.7460	-72.5600	-71.7890	-70.0460	-68.0490
				3.1809		5.2263	-7.7702	3.2734	3.2833	-13.4900
				0.1010	MASS	1.0001	0.1010	0.0221	0.0313	0.0236
P	MASS PR 149 UNKNOWN	MASS PR 150 UNKNOWN	ND 150	ND 151	ND 152	PM 152	PM 153	SM 155	SM 156	TB 161
				-71.0000	UNKNOWN	-71.2500	-70.7600	-70.1400	-69.3310	-67.4650
	-13.8719		-5.1079		-0.8520	1.5324	-13.1272	-0.3205	-1.7546	-18.9559
	0.4002	MASS	0.0220		0.1010	0.0252	1.0001	0.0198	0.0221	0.0236
D	PR 148	PR 149	ND 149	ND 150	ND 151	PM 151	PM 152	SM 154	SM 155	TB 160
	-72.9300	UNKNOWN	-74.4050		-71.0000	-73.4030	-71.2500	-72.3930	-70.1400	-67.8460
	-13.1360	-7.6145	-3.8920	-1.0750		-0.0546	-12.7882	-1.9675	-1.3156	-19.0819
	0.2005	0.4002	0.0198	0.0220		0.0616	0.0252	0.0213	0.0198	0.0278
T	PR 147	PR 148	ND 148	ND 149	ND 150	PM 150	PM 151	SM 153	SM 154	TB 159
	-75.4800	-72.9300	-77.4350	-74.4050		-73.6300	-73.4030	-72.5600	-72.3930	-69.5340
			-8.3783				-15.1726	-3.7489		-20.0113
			0.4002	MASS	MASS		0.1010	0.1010	MASS	0.0287
HE3	CE 147 UNKNOWN	CE 148 UNKNOWN	PR 148	PR 149	PR 150	ND 150	ND 151	PM 153	PM 154	GD 159
			-72.9300	UNKNOWN	UNKNOWN		-71.0000	-70.7600	UNKNOWN	-68.5860
	-0.3307		6.6782	9.9752		13.2456		9.2477	9.5766	-5.4637
	0.2204	MASS	0.2005	0.4002	MASS	0.0220		1.0001	0.1010	0.0220
HE4	CE 146	CE 147	PR 147	PR 148	PR 149	ND 149	ND 150	PM 152	PM 153	GD 158
	-75.7600	UNKNOWN	-75.4800	-72.9300	UNKNOWN	-74.4050		-71.2500	-70.7600	-70.6270
	-10.7762	-6.1328	-4.3112	-1.3683	-0.8343	1.8451	-11.4044	-3.5458	-2.9539	-18.7712
	0.0232	1.0001	0.0224	0.2005	0.2005	0.0224	0.0202	0.0618	0.0256	0.0224
HE6	CE 144	CE 145	PR 145	PR 146	PR 147	ND 147	ND 148	PM 150	PM 151	GD 156
	-80.4880	-77.0600	-79.6640	-76.7600	-75.4800	-78.1780	-77.4350	-73.6300	-73.4030	-72.4930
	-12.8644		-3.4054	1.1415		2.6569	-12.3996		-1.8471	-17.7084
	1.0001	MASS	1.0001	0.2204	MASS	0.2005	0.4002		0.1010	0.0278
LI6	LA 144	LA 145	CE 145	CE 146	CE 147	PR 147	PR 148	ND 150	ND 151	EU 156
	-74.8900	UNKNOWN	-77.0600	-75.7600	UNKNOWN	-75.4800	-72.9300		-71.0000	-70.0460

62 SM 147

MASS EXCESS -79.3000 +/- 0.0140 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12	
OUTGOING											
GAMMA	SM 147	8.1424	4.2690	10.2259	10.4570	11.4493	-2.6052	6.0584	5.8573		
		0.0198	0.0519	1.0001	0.0261	0.0261	1.0001	1.0001	1.0001	MASS	
		SM 148	EU 148	EU 149	EU 150	GD 150	GD 151	TB 153	TB 154	ER 159	
		-79.3710	-76.2800	-76.3900	-74.8070	-75.8180	-74.2700	-71.2700	-70.2500	UNKNCHN	
N	SM 146	-6.3254	-2.5824	2.0445	3.9685	2.7299	-9.1287	-2.7530	-1.1941		
		0.0261	0.3103	0.0519	1.0001	0.1507	0.0261	0.1507	1.0001	MASS	
		SM 147	EU 147	EU 148	EU 149	GD 149	GD 150	TB 152	TB 153	ER 158	
		-81.0460	-77.5000	-76.2800	-76.3900	-75.1700	-75.8180	-70.5300	-71.2700	UNKNOWN	
P	PM 146	-7.0710	0.5575	5.9179	5.5060	4.7324	-9.3572	2.2094	1.4363	-20.2590	
		0.0295	0.0198	0.0198	0.0198	1.0001	0.0261	0.0205	0.0221	0.0322	
		PM 147	SM 147	SM 148	SM 149	EU 149	EU 150	GD 152	GD 153	HO 158	
		-79.5180	-79.0750	-79.3710	-77.1450	-76.3900	-74.8070	-74.7100	-73.1180	-66.3300	
D	PM 145	-11.1099	-4.8465	-4.1009	1.8850	-1.2246	-13.6212	-4.0775	-2.8186		
		0.0213	0.0295	0.0261	0.0198	0.0519	1.0001	1.0001	0.0205	MASS	
		SM 145	SM 146	SM 147	SM 148	EU 148	EU 149	GD 151	GD 152	HO 157	
		-81.3260	-79.5180	-81.0460	-79.3710	-76.2800	-76.3900	-74.2700	-74.7100	UNKNCHN	
T	PM 144	-12.9149	-4.8525	-6.2890	-0.0680	-1.8186	-15.5452	-4.3435	-5.0726		
		0.0577	0.0213	0.0220	0.0261	0.3103	0.0519	0.0261	1.0001	MASS	
		SM 144	SM 145	SM 145	SM 146	SM 147	EU 147	EU 148	GD 150	GD 151	HO 156
		-81.3350	-81.3260	-80.6720	-81.0460	-77.5000	-76.2800	-75.8180	-74.2700	UNKNOWN	
HE3	ND 144	-10.4343	-4.6909	-5.6163	-1.5774	-0.2064	-12.4356	-5.3359	-4.6540	-23.3713	
		0.0198	0.0198	0.0213	0.0295	0.0198	0.0198	0.0261	0.0244	0.1706	
		SM 144	ND 145	PM 145	PM 146	PM 147	SM 147	SM 148	EU 150	EU 151	DY 156
		-83.7970	-81.4690	-81.3260	-79.5180	-79.0750	-79.3710	-74.8070	-74.6700	-70.8600	
HE4	ND 143	2.3142	10.1437	6.8992	12.7372	12.7432	14.2526	8.7537	7.9896	-12.6847	
		0.0198	0.0198	0.0577	0.0213	0.0295	0.0261	1.0001	0.0261	1.0001	
		SM 143	ND 144	PM 144	PM 145	PM 146	SM 146	SM 147	EU 149	EU 150	DY 155
		-84.0390	-83.7970	-81.3350	-81.3260	-79.5180	-81.0460	-76.3900	-74.8070	-69.0400	
HE6	ND 141	-12.6262	-2.8168	-8.3992	-0.8523	-0.6132	0.0131	-13.8014	-5.3098	-5.7109	-27.7282
		0.0247	0.0202	0.3004	0.3103	0.0579	0.0202	0.0224	0.3103	0.0521	0.1507
		SM 141	ND 142	PM 142	PM 143	PM 144	SM 144	SM 145	EU 147	EU 148	DY 153
		-84.2720	-86.0100	-81.2100	-82.9100	-81.3350	-81.9800	-80.6720	-77.5000	-76.2800	-69.1700
LI6	PR 141	-7.3164	-1.4630	-0.0894	3.7865	5.3586	2.8779	-9.6376	0.8899	-22.1184	
		0.0221	0.0213	0.0198	0.0198	0.0198	0.0577	0.0213	0.0199	1.0001	
		SM 141	PR 142	ND 142	ND 143	ND 144	PM 144	PM 145	SM 147	SM 148	TB 153
		-86.0720	-83.8540	-86.0100	-84.0390	-83.7970	-81.3350	-81.3260	-79.3710	-71.2700	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.8454	4.3080	8.5719	10.2490	9.8303	-2.2362	4.9674	6.6763	
		0.0198	1.0001	0.0261	0.0244	1.0001	0.0205	1.0001	1.0001	MASS
GAMMA	SM 148	SM 149	EU 149	EU 150	EU 151	GD 151	GD 152	TB 154	TB 155	ER 160
		-77.1450	-76.3900	-74.8070	-74.6700	-74.2700	-74.7100	-70.2500	-71.1400	UNKNOWN
		-8.1424	-3.8735	2.0835	2.3145	3.3069	-10.7477	-2.0840	-2.2851	
		0.0198	0.0519	1.0001	0.0261	0.0261	1.0001	1.0001	1.0001	MASS
N	SM 147	SM 148	EU 148	EU 149	EU 150	GD 150	GD 151	TB 153	TB 154	ER 159
		-79.3000	-76.2800	-76.3900	-74.8070	-75.8180	-74.2700	-71.2700	-70.2500	UNKNOWN
		-7.5850	-1.6676	3.6209	5.3460	3.0784	-9.5652	0.5464	1.9003	-19.3100
		0.0198	0.0278	0.0198	0.0191	0.0261	0.0244	0.0221	0.0228	1.0001
P	PM 147	PM 148	SM 148	SM 149	SM 150	EU 150	EU 151	GD 153	GD 154	HO 159
		-79.0750	-76.9210	-77.1450	-77.0560	-74.8070	-74.6700	-73.1180	-73.6530	-67.3500
		-12.9889	-5.3605	-5.9179	-0.4120	-1.1856	-15.2752	-3.7085	-4.4816	-26.1769
		0.0295	0.0198	0.0198	0.0198	1.0001	0.0261	0.0205	0.0221	0.0322
D	PM 146	PM 147	SM 147	SM 148	SM 149	EU 149	EU 150	GD 152	GD 153	HO 158
		-79.5180	-79.0750	-79.3000	-77.1450	-76.3900	-74.8070	-74.7100	-73.1180	-66.3300
		-12.9949	-6.7315	-5.9860	-1.8850	-3.1096	-15.5062	-5.9625	-4.7036	
		0.0213	0.0295	0.0261	0.0198	0.0519	1.0001	1.0001	0.0205	MASS
T	PM 145	PM 146	SM 146	SM 147	SM 148	EU 148	EU 149	GD 151	GD 152	HO 157
		-81.3260	-79.5180	-81.0460	-79.3000	-76.2800	-76.3900	-74.2700	-74.7100	UNKNOWN
		-12.8333	-5.2719	-7.4953	-2.0914	-2.4314	-14.7326	-5.5439	-6.5060	-24.6923
		0.0198	0.0198	0.0295	0.0198	0.0278	0.0198	0.0244	0.0198	1.0001
HE3	ND 145	ND 146	PM 146	PM 147	PM 148	SM 148	SM 149	EU 151	EU 152	DY 157
		-81.4690	-80.9590	-79.5180	-79.0750	-76.9210	-77.1450	-74.6700	-72.8890	-69.6100
		2.0013	7.7447	6.8192	10.8582	12.2292	12.4356	7.0997	7.7816	-10.9358
		0.0198	0.0198	0.0213	0.0295	0.0198	0.0198	0.0261	0.0244	0.1706
HE4	ND 144	ND 145	PM 145	PM 146	PM 147	SM 147	SM 148	EU 150	EU 151	DY 156
		-83.7970	-81.4690	-81.3260	-79.5180	-79.0750	-79.3000	-74.8070	-74.6700	-70.8600
		-10.9592	-4.8588	-6.7702	-2.4983	-0.6932	-1.3659	-13.4985	-6.6008	-5.6719
		0.0202	0.0202	0.3103	0.0579	0.0216	0.0224	0.0264	0.0521	1.0001
HE6	ND 142	ND 143	PM 143	PM 144	PM 145	SM 145	SM 146	EU 148	EU 149	DY 154
		-86.0100	-84.0390	-82.9100	-81.3350	-81.3260	-80.6720	-81.0460	-76.2800	-76.3900
		-9.6054	-2.2820	-2.1314	3.4735	2.9595	2.7979	-11.5167	-1.4071	-23.2094
		0.0213	0.0205	0.0198	0.0198	0.0198	0.0213	0.0296	0.0199	1.0001
LI6	PR 142	PR 143	ND 143	ND 144	ND 145	PM 145	PM 146	SM 148	SM 149	TB 154
		-83.8540	-83.1060	-84.0390	-83.7970	-81.4690	-81.3260	-79.5180	-77.1450	-70.2500

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.9824	4.9510	10.6609	10.6939	12.4963	-1.6023	8.0834	7.8523	-11.8950
		0.0191	0.0261	0.0244	0.0198	0.0205	0.0220	1.0001	1.0001	1.0001
GAMMA	SM 149	SM 150	EU 150	EU 151	EU 152	GD 152	GD 153	TB 155	TB 156	ER 161
		-77.0560	-74.8070	-74.6700	-72.8890	-74.7100	-73.1180	-71.1400	-70.0900	-65.2500
		-5.8454	-1.5374	2.7265	4.4035	3.9849	-8.0817	-0.8780	0.8309	
		0.0198	1.0001	0.0261	0.0244	1.0001	0.0205	1.0001	1.0001	MASS
N	SM 148	SM 149	EU 149	EU 150	EU 151	GD 151	GD 152	TB 154	TB 155	ER 160
		-79.3710	-76.3900	-74.8070	-74.6700	-74.2700	-74.7100	-70.2500	-71.1400	UNKNOWN
		-7.5130	-0.2885	5.7579	5.1100	5.1673	-9.1202	3.3074	2.5103	-18.0640
		0.0278	0.0198	0.0191	0.0244	0.0244	0.0198	0.0228	0.0221	0.0519
P	PM 148	PM 149	SM 149	SM 150	SM 151	EU 151	EU 152	GD 154	GD 155	HO 160
		-76.9210	-76.0740	-77.0560	-74.5940	-74.6700	-72.8890	-73.6530	-72.0370	-66.3700
		-11.2059	-5.2885	-3.6209	1.7250	-0.5426	-13.1862	-3.0745	-1.7206	-22.9309
		0.0198	0.0278	0.0198	0.0191	0.0261	0.0244	0.0221	0.0228	1.0001
D	PM 147	PM 148	SM 148	SM 149	SM 150	EU 150	EU 151	GD 153	GD 154	HO 159
		-79.0750	-76.9210	-79.3710	-77.0560	-74.8070	-74.6700	-73.1180	-73.6530	-67.3500
		-12.5770	-4.9485	-5.5060	0.4120	-0.7736	-14.8632	-3.2965	-4.0696	-25.7649
		0.0295	0.0198	0.0198	0.0198	1.0001	0.0261	0.0205	0.0221	0.0322
T	PM 146	PM 147	SM 147	SM 148	SM 149	EU 149	EU 150	GD 152	GD 153	HO 158
		-79.5180	-79.0750	-79.3000	-79.3710	-76.3900	-74.8070	-74.7100	-73.1180	-66.3300
		-11.1173	-5.8269	-5.7123	-2.0194	-1.0524	-12.5956	-5.0989	-3.8080	-21.7023
		0.0198	0.0220	0.0198	0.0278	0.0198	0.0191	0.0198	0.0213	0.0313
HE3	ND 146	ND 147	PM 147	PM 148	PM 149	SM 149	SM 150	EU 152	EU 153	DY 158
		-80.9590	-78.1780	-79.0750	-76.9210	-76.0740	-77.0560	-72.8890	-73.3610	-70.3740
		1.8993	9.4607	7.2372	12.6412	12.3012	14.7326	9.1887	8.2266	-9.9598
		0.0198	0.0198	0.0295	0.0198	0.0278	0.0198	0.0244	0.0198	1.0001
HE4	ND 145	ND 146	PM 146	PM 147	PM 148	SM 148	SM 149	EU 151	EU 152	DY 157
		-81.4690	-80.9590	-79.5180	-79.0750	-76.9210	-79.3710	-74.6700	-72.8890	-69.6100
		-10.7042	-2.8748	-6.1192	-0.2813	-0.2753	1.2341	-13.0184	-4.2648	-25.7032
		0.0202	0.0202	0.0579	0.0216	0.0298	0.0264	0.0202	1.0001	1.0001
HE6	ND 143	ND 144	PM 144	PM 145	PM 146	SM 146	SM 147	EU 149	EU 150	DY 155
		-84.0390	-83.7970	-81.3350	-81.3260	-79.5180	-81.0460	-79.3000	-76.3900	-69.0400
		-8.1274	-2.3540	-0.1474	3.3715	4.6755	3.2159	-9.7337	0.7299	-20.0934
		0.0205	0.0205	0.0198	0.0198	0.0198	0.0296	0.0198	0.0192	1.0001
LI6	PR 143	PR 144	ND 144	ND 145	ND 146	PM 146	PM 147	SM 149	SM 150	TB 155
		-83.1060	-80.8080	-83.7970	-81.4690	-80.9590	-79.5180	-79.0750	-77.0560	-71.1400

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			5.6094	4.9030	8.9689	11.2550	10.9933	-0.9782	7.1224	8.5603	-10.6860
			0.0239	0.0239	0.0191	0.0206	0.0214	0.0222	1.0001	0.0239	0.0909
GAMMA	SM 150	SM 151	EU 151	EU 152	EU 153	GD 153	GD 154	TB 156	TB 157	ER 162	
		-74.5940	-74.6700	-72.8890	-73.3610	-73.1180	-73.6530	-70.0900	-70.7090	-66.3700	
		-7.9824	-3.0314	2.6785	2.7115	4.5139	-9.5847	0.1010	-0.1301	-19.8774	
		0.0191	0.0256	0.0239	0.0191	0.0199	0.0214	1.0001	1.0001	1.0001	
N	SM 149	SM 150	EU 150	EU 151	EU 152	GD 152	GD 153	TB 155	TB 156	ER 161	
		-77.1450	-74.8070	-74.6700	-72.8890	-74.7100	-73.1180	-71.1400	-70.0900	-65.2500	
		-8.2710	-2.6435	3.3849	5.3510	3.4754	-8.5592	1.7804	3.0553	-17.0950	
		0.0191	0.0614	0.0239	0.0191	0.0191	0.0206	0.0214	0.0214	1.0001	
P	PM 149	PM 150	SM 150	SM 151	SM 152	EU 152	EU 153	GD 155	GD 156	HQ 161	
		-76.0740	-73.6300	-74.5940	-74.7460	-72.8890	-73.3610	-72.0370	-72.4930	-67.2500	
		-13.2709	-6.0465	-5.7579	-0.6480	-0.5906	-14.8782	-2.4505	-3.2476	-23.8219	
		0.0273	0.0191	0.0191	0.0239	0.0239	0.0191	0.0222	0.0214	0.0517	
D	PM 148	PM 149	SM 149	SM 150	SM 151	EU 151	EU 152	GD 154	GD 155	HQ 160	
		-76.9210	-76.0740	-77.1450	-74.5940	-74.6700	-72.8890	-73.6530	-72.0370	-66.3700	
		-12.9309	-7.0135	-5.3460	-1.7250	-2.2676	-14.9112	-4.7995	-3.4456	-24.6559	
		0.0191	0.0273	0.0191	0.0191	0.0256	0.0239	0.0214	0.0222	1.0001	
T	PM 147	PM 148	SM 148	SM 149	SM 150	EU 150	EU 151	GD 153	GD 154	HQ 159	
		-79.0750	-76.9210	-79.3710	-77.1450	-74.8070	-74.6700	-73.1180	-73.6530	-67.3500	
		-13.8093	-6.4809	-7.7773	-2.7774	-3.4074	-14.9686	-4.5379	-5.4050	-22.8333	
		0.0214	0.0191	0.0273	0.0191	0.0614	0.0239	0.0206	0.0230	0.0345	
HE3	ND 147	ND 148	PM 148	PM 149	PM 150	SM 150	SM 151	EU 153	EU 154	DY 159	
		-78.1780	-77.4350	-76.9210	-76.0740	-73.6300	-74.5940	-73.3610	-71.6750	-69.1540	
		1.4783	6.7687	6.8832	10.5762	11.5432	12.5956	7.4967	8.7876	-9.1067	
		0.0191	0.0214	0.0191	0.0273	0.0191	0.0191	0.0191	0.0206	0.0309	
HE4	ND 146	ND 147	PM 147	PM 148	PM 149	SM 149	SM 150	EU 152	EU 153	DY 158	
		-80.9590	-78.1780	-79.0750	-76.9210	-76.0740	-77.1450	-72.8890	-73.3610	-70.3740	
		-10.8572	-5.1138	-6.0392	-2.0003	-0.6292	-0.4229	-12.8584	-5.7588	-5.0769	-23.7942
		0.0195	0.0195	0.0210	0.0293	0.0195	0.0195	0.0195	0.0259	0.0242	0.1705
HE6	ND 144	ND 145	PM 145	PM 146	PM 147	SM 147	SM 148	EU 150	EU 151	DY 156	
		-83.7970	-81.4690	-81.3260	-79.5180	-79.0750	-79.3000	-79.3710	-74.8070	-74.6700	-70.8600
		-10.3364	-3.4090	-2.3864	2.9505	1.9836	2.8619	-11.7986	-1.6431	-21.0544	
		0.0199	0.0214	0.0191	0.0191	0.0214	0.0191	0.0273	0.0239	1.0001	
LI6	PR 144	PR 145	ND 145	ND 146	ND 147	PM 147	PM 148	SM 150	SM 151	TB 156	
		-80.8080	-79.6640	-81.4690	-80.9590	-78.1780	-79.0750	-76.9210	-74.5940	-70.0900	

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.8854	5.9040	10.0649	11.9929	12.2223	0.1718	8.7704	9.6953	-8.8790
		0.0213	0.0213	0.0236	0.0220	0.0220	0.0220	0.0304	0.0278	0.0424
GAMMA	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	ER 164
		-72.5600	-73.3610	-71.6750	-71.7890	-72.0370	-72.4930	-69.4280	-69.5340	-65.8670
		-8.2234	-2.6395	3.6795	3.8075	5.7669	-8.3557	1.9800	1.5179	-17.6744
		0.0244	0.0198	0.0213	0.0236	0.0228	0.0220	0.0244	0.0304	0.0252
N	SM 151	SM 152	EU 152	EU 153	EU 154	GD 154	GD 155	TB 157	TB 158	ER 163
		-74.5940	-72.8890	-73.3610	-71.6750	-73.6530	-72.0370	-70.7090	-69.4280	-65.1430
		-8.6320	-2.7135	3.6609	5.3080	4.5714	-7.8212	2.8224	3.4993	-15.6820
		0.0252	1.0001	0.0213	0.0198	0.0236	0.0220	0.0221	0.0221	0.0252
P	PM 151	PM 152	SM 152	SM 153	SM 154	EU 154	EU 155	GD 157	GD 158	HO 163
		-73.4030	-71.2500	-72.5600	-72.3930	-71.6750	-71.7890	-70.7690	-70.6270	-66.3530
		-14.2519	-6.4075	-5.9989	-0.3720	0.4104	-13.7822	-1.3005	-2.2056	-21.8599
		0.0616	0.0252	0.0244	0.0213	0.0213	0.0236	0.0221	0.0221	0.0377
D	PM 150	PM 151	SM 151	SM 152	SM 153	EU 153	EU 154	GD 156	GD 157	HO 162
		-73.6300	-73.4030	-74.5940	-72.5600	-73.3610	-71.6750	-72.4930	-70.7690	-66.0220
		-13.6219	-7.9945	-5.3510	-1.9660	-1.8756	-13.9102	-3.5705	-2.2956	-22.4459
		0.0198	0.0616	0.0191	0.0244	0.0198	0.0213	0.0221	0.0221	1.0001
T	PM 149	PM 150	SM 150	SM 151	SM 152	EU 152	EU 153	GD 155	GD 156	HO 161
		-76.0740	-73.6300	-77.0560	-74.5940	-72.8890	-73.3610	-72.0370	-72.4930	-67.2500
		-15.2723	-7.9399	-8.7583	-3.1384	-3.4774	-14.6926	-3.7999	-4.7240	-21.6283
		0.0220	0.0198	0.0616	0.0252	1.0001	0.0213	0.0221	0.0278	0.0228
HE3	ND 149	ND 150	PM 150	PM 151	PM 152	SM 152	SM 153	EU 155	EU 156	DY 161
		-74.4050	-73.6660	-73.6300	-73.4030	-71.2500	-72.5600	-71.7890	-70.0460	-68.0490
		0.2643	5.3057	6.1922	9.5952	11.1822	12.3546	8.5927	9.5255	-7.4977
		0.0198	0.0220	0.0198	0.0616	0.0252	0.0244	0.0236	0.0221	0.0236
HE4	ND 148	ND 149	PM 149	PM 150	PM 151	SM 151	SM 152	EU 154	EU 155	DY 160
		-77.4350	-74.4050	-76.0740	-73.6300	-73.4030	-74.5940	-71.6750	-71.7890	-69.6730
		-11.3852	-6.0948	-5.9802	-2.2873	-1.3202	-0.2679	-12.8635	-5.3668	-4.0759
		0.0202	0.0224	0.0202	0.0281	0.0202	0.0202	0.0195	0.0202	0.0316
HE6	ND 146	ND 147	PM 147	PM 148	PM 149	SM 149	SM 150	EU 152	EU 153	DY 158
		-80.9590	-78.1780	-79.0750	-76.9210	-76.0740	-77.1450	-77.0560	-72.8890	-70.3740
		-12.0744	-5.2830	-3.3674	1.7365	0.5205	2.1709	-12.7796	-1.3671	-19.4064
		0.2005	0.2005	0.0221	0.0198	0.0221	0.0198	0.0616	0.0213	0.0304
LI6	PR 146	PR 147	ND 147	ND 148	ND 149	PM 149	PM 150	SM 152	SM 153	TB 158
		-76.7600	-75.4800	-78.1780	-77.4350	-74.4050	-76.0740	-73.6300	-72.5600	-69.4280

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.8184	6.6850	10.7889	11.9760	13.3073	0.6588	9.5414	9.9793	-7.4750
		0.0220	0.0220	0.0278	0.0377	0.0220	0.0220	0.0236	0.0236	0.0304
GAMMA	SM 154	SM 155	EU 155	EU 156	EU 157	GD 157	GD 158	TB 160	TB 161	ER 166
		-70.1400	-71.7890	-70.0460	-69.4190	-70.7690	-70.6270	-67.8460	-67.4650	-64.9180
		-7.9044	-1.5004	4.4605	4.5315	6.9599	-7.2707	3.1580	2.2889	-16.0244
		0.0213	0.0236	0.0220	0.0278	0.0220	0.0220	0.0278	0.0236	0.0252
N	SM 153	SM 154	EU 154	EU 155	EU 156	GD 156	GD 157	TB 159	TB 160	ER 165
		-72.5600	-71.6750	-71.7890	-70.0460	-72.4930	-70.7690	-69.5340	-67.8460	-64.4400
		-8.9220		3.5939	4.5990	5.2954	-7.8382	2.9924	3.1163	-14.8710
		0.1010	MASS	0.0220	0.0313	0.0278	0.0377	0.0287	0.0236	0.0244
P	PM 153	PM 154	SM 154	SM 155	SM 156	EU 156	EU 157	GD 159	GD 160	HO 165
		-70.7600	UNKNOWN	-70.1400	-69.3310	-70.0460	-69.4190	-68.5860	-67.8910	-64.8110
		-14.2789	-6.6975	-5.6799	-0.4390	1.1914	-13.0582	-0.8135	-2.0356	-20.6889
		1.0001	0.1010	0.0213	0.0220	0.0220	0.0278	0.0221	0.0287	0.0405
D	PM 152	PM 153	SM 153	SM 154	SM 155	EU 155	EU 156	GD 158	GD 159	HO 164
		-71.2500	-70.7600	-72.5600	-70.1400	-71.7890	-70.0460	-70.6270	-68.5860	-64.8400
		-13.6769	-8.0215	-6.6510	-1.6470	-0.7366	-13.1292	-2.4855	-1.8086	-20.9899
		0.0198	1.0001	0.0252	0.0213	0.0236	0.0220	0.0221	0.0221	0.0252
T	PM 151	PM 152	SM 152	SM 153	SM 154	EU 154	EU 155	GD 157	GD 158	HO 163
		-73.6660	-71.2500	-73.4030	-72.5600	-71.6750	-71.7890	-70.7690	-70.6270	-66.3530
		-16.3243	-8.7853	-3.4284			-14.7596	-3.8169	-5.2870	-20.9613
		0.1010	MASS	0.1010	MASS		0.0220	0.0377	0.2005	0.0228
HE3	ND 151	ND 152	PM 152	PM 153	PM 154	SM 154	SM 155	EU 157	EU 158	DY 163
		-71.0000	UNKNOWN	-71.2500	-70.7600	UNKNOWN	-70.1400	-69.4190	-67.1300	-66.3630
			4.2537	6.1372	9.5682	10.8922	12.6736	9.3167	9.5086	-6.6357
			0.1010	0.0198	1.0001	0.1010	0.0213	0.0278	0.0377	0.0228
HE4	ND 150	ND 151	PM 151	PM 152	PM 153	SM 153	SM 154	EU 156	EU 157	DY 162
		UNKNOWN	-71.0000	-73.6660	-71.2500	-70.7600	-72.5600	-70.0460	-69.4190	-68.1820
		-14.5112	-8.9898	-5.2672	-2.4503	-1.3752	-1.4299	-14.1634	-4.2278	-3.2949
		0.2005	0.4003	0.0202	0.0224	0.0202	0.0617	0.0256	0.0240	0.0224
HE6	ND 148	ND 149	PM 149	PM 150	PM 151	SM 151	SM 152	EU 154	EU 155	DY 160
		-75.4800	-72.9300	-77.4350	-74.4050	-73.6660	-73.6300	-73.4030	-71.6750	-71.7890
			-6.2624		-0.5314	2.1159	-12.8066		-1.4341	-18.6354
			0.4002	MASS	0.1010	0.0198	1.0001		0.0221	0.0236
LI6	PR 148	PR 149	ND 149	ND 150	ND 151	PM 151	PM 152	SM 154	SM 155	TB 160
		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN

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MASS EXCESS -74.6700 +/- 0.0200 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.2904	7.3290	11.5839	13.9330	10.5113	-1.1052	9.0284	10.6113	-11.7970
		0.0244	0.0250	0.0262	0.0269	1.0002	1.0002	1.0002	0.0344	0.0421
GAMMA	EU 151	EU 152	GD 152	GD 153	GD 154	TB 154	TB 155	DY 157	DY 158	TM 163
		-72.8890	-74.7100	-73.1180	-73.6530	-70.2500	-71.1400	-69.6100	-70.3740	-62.8730
		-7.9344	-1.1824	5.1045	5.3265	3.4599	-10.0667	2.2070	1.7759	-21.2614
		0.0297	1.0002	0.0250	0.0262	1.0002	1.0002	0.1712	1.0002	0.1315
N	EU 150	EU 151	GD 151	GD 152	GD 153	TB 153	TB 154	DY 156	DY 157	TM 162
		-74.8070	-74.2700	-74.7100	-73.1180	-71.2700	-70.2500	-70.8600	-69.6100	-61.4800
		-4.9030	0.7065	4.0659	6.3520	6.0904	-5.8812	2.2194	3.6573	-15.5890
		0.0239	0.0283	0.0244	0.0256	0.0262	0.0269	1.0002	0.0283	0.0922
P	SM 150	SM 151	EU 151	EU 152	EU 153	GD 153	GD 154	TB 156	TB 157	ER 162
		-77.0560	-74.5940	-72.8890	-73.3610	-73.1180	-73.6530	-70.0900	-70.7090	-66.3700
		-10.6609	-2.6785	-5.7099	0.0330	1.8354	-12.2632	-2.5775	-2.8086	-22.5559
		0.0244	0.0239	0.0297	0.0244	0.0250	0.0263	1.0002	1.0002	1.0002
D	SM 149	SM 150	EU 150	EU 151	EU 152	GD 152	GD 153	TB 155	TB 156	ER 161
		-77.1450	-77.0560	-74.8070	-72.8890	-74.7100	-73.1180	-71.1400	-70.0900	-65.2500
		-10.2489	-4.4035	-5.9410	-1.6770	-0.4186	-12.4852	-5.2815	-3.5726	
		0.0244	0.0244	1.0002	0.0297	1.0002	0.0250	1.0002	1.0002	MASS
T	SM 148	SM 149	EU 149	EU 150	EU 151	GD 151	GD 152	TB 154	TB 155	ER 160
		-79.3710	-77.1450	-76.3900	-74.8070	-74.2700	-74.7100	-70.2500	-71.1400	UNKNOWN
		-12.6803	-5.4559	-5.1673	0.5906	-0.0574	-14.2876	-1.8599	-2.6570	-23.2313
		0.0312	0.0244	0.0244	0.0239	0.0283	0.0244	0.0269	0.0263	0.0539
HE3	PM 148	PM 149	SM 149	SM 150	SM 151	EU 151	EU 152	GD 154	GD 155	HO 160
		-76.9210	-76.0740	-77.1450	-77.0560	-74.5940	-72.8890	-73.6530	-72.0370	-66.3700
		1.9803	7.8977	9.5652	13.1862	14.9112	12.6436	10.1117	11.4655	-9.7447
		0.0244	0.0312	0.0244	0.0244	0.0239	0.0297	0.0263	0.0269	1.0002
HE4	PM 147	PM 148	SM 148	SM 149	SM 150	EU 150	EU 151	GD 153	GD 154	HO 159
		-79.0750	-76.9210	-79.3710	-77.1450	-77.0560	-74.8070	-73.1180	-73.6530	-67.3500
		-10.9422	-4.6788	-3.9332	0.1677	2.0528	-1.0569	-13.4534	-3.9098	-2.6509
		0.0259	0.0330	0.0300	0.0247	0.0247	0.0540	1.0002	0.0253	MASS
HE6	PM 145	PM 146	SM 146	SM 147	SM 148	EU 148	EU 149	GD 151	GD 152	HO 157
		-81.3260	-79.5180	-81.0460	-79.3000	-79.3710	-76.2800	-76.3900	-74.2700	UNKNOWN
		-7.2894	0.2720	-1.9514	3.4525	3.1125	5.5439	-9.1886	-0.9621	-19.1484
		0.0244	0.0244	0.0328	0.0244	0.0313	0.0244	0.0244	0.0245	1.0002
LI6	ND 145	ND 146	PM 146	PM 147	PM 148	SM 148	SM 149	EU 151	EU 152	DY 157
		-81.4690	-80.9590	-79.5180	-79.0750	-76.9210	-79.3710	-77.1450	-72.8890	-69.6100

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MASS EXCESS -73.3610 +/- 0.0160 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING		6.3854	7.5810	11.8119	14.0820	11.6603	-0.2273	9.8814	11.2193	-10.4910
GAMMA	EU 153	0.0248	0.0241	0.0233	0.0233	1.0001	0.0256	0.0358	0.0249	0.0385
		EU 154	GD 154	GD 155	GD 156	TB 156	TB 157	DY 159	DY 160	TM 165
		-71.6750	-73.6530	-72.0370	-72.4930	-70.0900	-70.7090	-69.1540	-69.6730	-62.8700
N		-8.5434	-1.0254	5.3565	5.5545	4.6389	-8.9177	3.0300	2.6289	-19.5274
		0.0213	0.0233	0.0241	0.0233	1.0001	1.0001	0.0323	0.0358	0.0478
	EU 152	EU 153	GD 153	GD 154	GD 155	TB 155	TB 156	DY 158	DY 159	TM 164
		-72.8890	-73.1180	-73.6530	-72.0370	-71.1400	-70.0900	-70.3740	-69.1540	-61.9050
P		-5.9040	-0.0185	4.1609	6.0890	6.3183	-5.7322	2.8664	3.7913	-14.7830
		0.0213	0.0226	0.0248	0.0233	0.0233	0.0233	0.0314	0.0289	0.0431
	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	ER 164
		-74.7460	-72.5600	-71.6750	-71.7890	-72.0370	-72.4930	-69.4280	-69.5340	-65.8670
D		-11.9029	-3.6795	-6.3189	0.1280	2.0874	-12.0352	-1.6995	-2.1616	-21.3539
		0.0256	0.0213	0.0213	0.0248	0.0241	0.0233	0.0256	0.0314	0.0264
	SM 151	SM 152	EU 152	EU 153	EU 154	GD 154	GD 155	TB 157	TB 158	ER 163
		-74.5940	-74.7460	-72.8890	-71.6750	-73.6530	-72.0370	-70.7090	-69.4280	-65.1430
T		-11.2549	-5.6455	-6.3520	-2.2860	-0.2616	-12.2332	-4.1325	-2.6946	-21.9409
		0.0206	0.0256	0.0256	0.0213	0.0233	0.0241	1.0001	0.0256	0.0914
	SM 150	SM 151	EU 151	EU 152	EU 153	GD 153	GD 154	TB 156	TB 157	ER 162
		-77.0560	-74.5940	-74.6700	-72.8890	-73.1180	-73.6530	-70.0900	-70.7090	-66.3700
HE3		-14.6623	-6.8179	-6.4093	-0.4104	-0.7824	-14.1926	-1.7109	-2.6160	-22.2703
		0.0621	0.0264	0.0256	0.0213	0.0226	0.0248	0.0234	0.0234	0.0385
	PM 150	PM 151	SM 151	SM 152	SM 153	EU 153	EU 154	GD 156	GD 157	HO 162
		-73.6300	-73.4030	-74.5940	-74.7460	-72.5600	-71.6750	-72.4930	-70.7690	-66.0220
HE4		0.2883	5.9157	8.5592	11.9442	13.9102	12.0346	10.3397	11.6146	-8.5357
		0.0213	0.0621	0.0206	0.0256	0.0213	0.0213	0.0234	0.0234	1.0001
	PM 149	PM 150	SM 150	SM 151	SM 152	EU 152	EU 153	GD 155	GD 156	HO 161
		-76.0740	-73.6300	-77.0560	-74.5940	-74.7460	-72.8890	-72.0370	-72.4930	-67.2500
HE6		-11.8842	-5.9668	-4.2992	-0.6783	1.0468	-1.2209	-13.8644	-3.7528	-2.3989
		0.0216	0.0291	0.0216	0.0216	0.0210	0.0275	0.0259	0.0237	0.0244
	PM 147	PM 148	SM 148	SM 149	SM 150	EU 150	EU 151	GD 153	GD 154	HO 159
		-79.0750	-76.9210	-79.3710	-77.1450	-77.0560	-74.8070	-74.6700	-73.1180	-73.6530
LI6		-9.2714	-1.9430	-3.2394	1.7605	1.1306	4.5379	-10.4306	-0.8671	-18.2954
		0.0234	0.0213	0.0289	0.0213	0.0621	0.0206	0.0256	0.0249	0.0358
	ND 147	ND 148	PM 148	PM 149	PM 150	SM 150	SM 151	EU 153	EU 154	DY 159
		-78.1780	-77.4350	-76.9210	-76.0740	-73.6300	-77.0560	-74.5940	-71.6750	-69.1540

64 GD 152

MASS EXCESS -74.7100 +/- 0.0150 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.4794	3.8490	8.6759	11.3800	9.2613	-1.4253	5.7084	7.5473	
		0.0227	1.0001	1.0001	1.0001	1.0001	0.1707	0.0327	1.0001	MASS
GAMMA	GD 152	GD 153	TB 153	TB 154	TB 155	DY 155	DY 156	HO 158	HO 159	YB 164
		-73.1180	-71.2700	-70.2500	-71.1400	-69.0400	-70.8600	-66.3300	-67.3500	UNKNCWN
		-8.5114	-4.9625	1.6245	2.4185	2.6099	-11.3167		-1.5441	
		1.0001	0.1507	1.0001	1.0001	0.0522	1.0001	MASS	0.0327	MASS
N	GD 151	GD 152	TB 152	TB 153	TB 154	DY 154	DY 155	HO 157	HO 158	YB 163
		-74.2700	-70.5300	-71.2700	-70.2500	-70.4600	-69.0400	UNKNOWN	-66.3300	UNKNCWN
		-7.3290	-1.0385	4.2549	6.6040	3.1824	-8.4342	1.6994	3.2823	-19.1260
		0.0250	0.0205	0.0227	0.0234	1.0001	1.0001	1.0001	0.0318	0.0399
P	EU 151	EU 152	GD 152	GD 153	GD 154	TB 154	TB 155	DY 157	DY 158	TM 163
		-74.6700	-72.8890	-73.1180	-73.6530	-70.2500	-71.1400	-69.6100	-70.3740	-62.8730
		-13.0389	-5.1045	-6.2869	0.2220	-1.6446	-15.1712	-2.8975	-3.3286	-26.3659
		0.0266	0.0250	1.0001	0.0227	1.0001	1.0001	0.1707	1.0001	0.1309
D	EU 150	EU 151	GD 151	GD 152	GD 153	TB 153	TB 154	DY 156	DY 157	TM 162
		-74.8070	-74.6700	-74.2700	-73.1180	-71.2700	-70.2500	-70.8600	-69.6100	-61.4800
		-13.2699	-6.7815	-6.5530	-2.2540	-4.1986	-15.9652	-6.5315	-3.8926	-27.9299
		1.0001	0.0266	0.0266	1.0001	0.1507	1.0001	1.0001	0.1707	1.0101
T	EU 149	EU 150	GD 150	GD 151	GD 152	TB 152	TB 153	DY 155	DY 156	TM 161
		-76.3900	-74.8070	-75.8180	-74.2700	-70.5300	-71.2700	-69.0400	-70.8600	-61.7300
		-12.4963	-4.5139	-7.5453	-1.8354	-1.8024	-14.0986	-4.4129	-4.6440	-24.3913
		0.0205	0.0199	0.0266	0.0250	0.0205	0.0227	1.0001	1.0001	1.0001
HE3	SM 149	SM 150	EU 150	EU 151	EU 152	GD 152	GD 153	TB 155	TB 156	ER 161
		-77.1450	-77.0560	-74.8070	-74.6700	-72.8890	-73.1180	-71.1400	-70.0900	-65.2500
		2.2363	8.0817	6.5442	10.8082	12.4852	12.0666	7.2037	8.9126	
		0.0205	0.0205	1.0001	0.0266	0.0250	1.0001	1.0001	1.0001	MASS
HE4	SM 148	SM 149	EU 149	EU 150	EU 151	GD 151	GD 152	TB 154	TB 155	ER 160
		-79.3710	-77.1450	-76.3900	-74.8070	-74.6700	-74.2700	-70.2500	-71.1400	UNKNOWN
		-11.2622	-4.9368	-7.5192	-2.8923	-0.9682	-2.2069	-14.0654	-7.6898	-6.1309
		0.0269	0.0209	0.3104	0.0524	1.0001	0.1508	0.0269	0.1508	1.0001
HE6	SM 146	SM 147	EU 147	EU 148	EU 149	GD 149	GD 150	TB 152	TB 153	ER 158
		-81.0460	-79.3000	-77.5000	-76.2800	-76.3900	-75.1700	-75.8180	-70.5300	-71.2700
		-9.2804	-1.6520	-2.2094	3.7085	3.2966	2.5229	-11.5666	-0.7731	-22.4684
		0.0300	0.0205	0.0205	0.0205	0.0205	1.0001	0.0267	0.0227	0.0327
LI6	PM 146	PM 147	SM 147	SM 148	SM 149	EU 149	EU 150	GD 152	GD 153	HO 158
		-79.5180	-79.0750	-79.3000	-79.3710	-77.1450	-76.3900	-74.8070	-73.1180	-66.3300

64 GD 154

MASS EXCESS -73.6530 +/- 0.0180 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.4554	4.7760	9.5729	12.0059	10.8883	-0.8542	6.8054	8.5043	-12.0330
		0.0248	1.0002	1.0002	0.0269	1.0002	0.0333	0.0532	1.0002	0.1016
GAMMA	GD 154	GD 155	TB 155	TB 156	TB 157	DY 157	DY 158	HO 160	HO 161	YB 166
		-72.0370	-71.1400	-70.0900	-70.7090	-69.6100	-70.3740	-66.3700	-67.2500	-61.6200
		-8.6064	-4.1854	2.5515	3.3155	4.0669	-9.6897	-0.2860	-0.4471	-21.5844
		0.0248	1.0002	1.0002	1.0002	0.1710	1.0002	1.0002	0.0532	1.4101
N	GD 153	GD 154	TB 154	TB 155	TB 156	DY 156	DY 157	HO 159	HO 160	YB 165
		-73.1180	-70.2500	-71.1400	-70.0900	-70.8600	-69.6100	-67.3500	-66.3700	-60.1400
		-7.5810	-1.1955	4.2309	6.5010	4.0794	-7.8082	2.3004	3.6383	-18.0720
		0.0241	0.0262	0.0248	0.0248	1.0002	0.0269	0.0367	0.0262	0.0394
P	EU 153	EU 154	GD 154	GD 155	GD 156	TB 156	TB 157	DY 159	DY 160	TM 165
		-73.3610	-71.6750	-72.0370	-72.4930	-70.0900	-70.7090	-69.1540	-69.6730	-62.8700
		-13.8999	-5.3565	-6.3819	0.1980	-0.7176	-14.2742	-2.3265	-2.7276	-24.8839
		0.0228	0.0241	0.0248	0.0248	1.0002	1.0002	0.0333	0.0367	0.0485
D	EU 152	EU 153	GD 153	GD 154	GD 155	TB 155	TB 156	DY 158	DY 159	TM 164
		-72.8890	-73.3610	-73.1180	-72.0370	-71.1400	-70.0900	-70.3740	-69.1540	-61.9050
		-13.9329	-7.6425	-6.6040	-2.3490	-3.4216	-15.0382	-4.9045	-3.3216	-25.7299
		0.0269	0.0228	0.0234	0.0248	1.0002	1.0002	1.0002	0.0333	0.0411
T	EU 151	EU 152	GD 152	GD 153	GD 154	TB 154	TB 155	DY 157	DY 158	TM 163
		-74.6700	-72.8890	-74.7100	-73.1180	-70.2500	-71.1400	-69.6100	-70.3740	-62.8730
		-13.9903	-5.7669	-8.4063	-2.0874	-1.9594	-14.1226	-3.7869	-4.2490	-23.4413
		0.0269	0.0228	0.0228	0.0241	0.0262	0.0248	0.0269	0.0325	0.0277
HE3	SM 151	SM 152	EU 152	EU 153	EU 154	GD 154	GD 155	TB 157	TB 158	ER 163
		-74.5940	-74.7460	-72.8890	-73.3610	-71.6750	-72.0370	-70.7090	-69.4280	-65.1430
		0.9783	6.5877	5.8812	9.9472	12.2332	11.9716	8.1007	9.5385	-9.7077
		0.0222	0.0269	0.0269	0.0228	0.0241	0.0248	1.0002	0.0269	0.0918
HE4	SM 150	SM 151	EU 151	EU 152	EU 153	GD 153	GD 154	TB 156	TB 157	ER 162
		-77.0560	-74.5940	-74.6700	-72.8890	-73.3610	-73.1180	-70.0900	-70.7090	-66.3700
		-11.8802	-6.0348	-7.5722	-3.3083	-1.6312	-2.0499	-14.1164	-6.9128	-5.2039
		0.0232	0.0232	1.0002	0.0287	0.0272	1.0002	0.0238	1.0002	1.0002
HE6	SM 148	SM 149	EU 149	EU 150	EU 151	GD 151	GD 152	TB 154	TB 155	ER 160
		-79.3710	-77.1450	-76.3900	-74.8070	-74.6700	-74.2700	-74.7100	-70.2500	-71.1400
		-10.8204	-3.5960	-3.3074	2.4505	1.8026	1.8599	-12.4276	-0.7971	-21.3714
		0.0300	0.0228	0.0228	0.0222	0.0269	0.0269	0.0228	0.0248	0.0532
LI6	PM 148	PM 149	SM 149	SM 150	SM 151	EU 151	EU 152	GD 154	GD 155	HO 160
		-76.9210	-76.0740	-77.1450	-77.0560	-74.5940	-74.6700	-72.8890	-72.0370	-66.3700

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64 GD 155

MASS EXCESS -72.0370 +/- 0.0170 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	LI2
OUTGOING										
		8.5274	5.3420	11.8079	12.3410	13.2683	-0.4582	9.3014	8.8923	-11.6170
		0.0240	1.0001	0.0262	0.0319	0.0328	0.0362	1.0001	0.0389	1.0001
GAMMA	GD 155	GD 156	TB 156	TB 157	TB 158	DY 158	DY 159	HO 161	HO 162	YB 167
		-72.4930	-70.0900	-70.7090	-69.4280	-70.3740	-69.1540	-67.2500	-66.0220	-60.4200
		-6.7474	0.8336	3.1175	5.5505	4.4329	-7.3097	0.3500	2.0489	-18.4884
		0.0233	0.0248	1.0001	0.0262	1.0001	0.0328	0.0528	1.0001	0.1014
N	GD 154	GD 155	TB 155	TB 156	TB 157	DY 157	DY 158	HO 160	HO 161	YB 166
		-73.3610	-73.6530	-70.0900	-70.7090	-69.6100	-70.3740	-66.3700	-67.2500	-61.6200
		-7.6510	0.5345	6.3029	6.3930	6.3144	-7.4732	4.4254	3.6303	-17.4500
		0.0255	0.0240	0.0240	0.0240	0.0262	0.0319	0.0255	0.0248	0.0380
P	EU 154	EU 155	GD 155	GD 156	GD 157	TB 157	TB 158	DY 160	DY 161	TM 166
		-71.6750	-71.7890	-72.4930	-70.7690	-70.7090	-69.4280	-69.6730	-68.0490	-61.8760
		-10.4269	-5.4265	-4.5229	2.2700	-0.1516	-12.0392	-1.9305	-0.5926	-22.3029
		0.0220	0.0255	0.0233	0.0240	1.0001	0.0263	0.0363	0.0255	0.0389
D	EU 153	EU 154	GD 154	GD 155	GD 156	TB 156	TB 157	DY 159	DY 160	TM 165
		-74.7460	-71.6750	-73.3610	-72.4930	-70.0900	-70.7090	-69.1540	-69.6730	-62.8700
		-12.3929	-4.1695	-6.8090	-0.4900	1.5974	-14.4722	-2.5245	-2.9256	-25.0819
		0.0262	0.0220	0.0220	0.0233	0.0248	1.0001	0.0328	0.0363	0.0481
T	EU 152	EU 153	GD 153	GD 154	GD 155	TB 155	TB 156	DY 158	DY 159	TM 164
		-74.5940	-74.7460	-72.8890	-73.3610	-73.6530	-70.0900	-70.3740	-69.1540	-61.9050
		-13.5653	-6.3365	-4.9333	-2.1574	-0.2294	-12.0506	-3.4519	-2.5270	-21.1013
		0.0270	0.0233	0.0220	0.0255	0.0240	0.0240	0.0319	0.0294	0.0435
HE3	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	FR 164
		-73.4030	-72.5600	-74.7460	-71.6750	-71.7890	-72.4930	-69.4280	-69.5340	-65.8670
		-0.8317	7.0127	7.4212	13.4202	12.1632	13.8306	10.3357	9.8736	-9.3187
		0.0624	0.0270	0.0263	0.0220	0.0255	0.0233	0.0263	0.0319	0.0270
HE4	SM 151	SM 152	EU 152	EU 153	EU 154	GD 154	GD 155	TB 157	TB 158	FR 163
		-73.6300	-73.4030	-74.5940	-74.7460	-71.6750	-73.3610	-70.7090	-69.4280	-65.1430
		-12.7142	-5.4898	-5.2012	0.5567	-0.0912	-0.0339	-14.3214	-1.8938	-4.6379
		0.0297	0.0224	0.0224	0.0218	0.0266	0.0266	0.0224	0.0251	1.0002
HE6	SM 149	SM 150	EU 150	EU 151	EU 152	GD 152	GD 153	TB 155	TB 156	FR 161
		-76.9210	-76.0740	-77.1450	-77.0560	-74.5940	-74.6700	-72.8890	-73.6530	-70.0900
		-8.6904	-3.6490	-2.7624	0.6405	2.2276	3.3999	-8.9546	1.2749	-18.8754
		0.0221	0.0241	0.0221	0.0624	0.0270	0.0263	0.0221	0.0241	1.0001
LI6	PM 149	PM 150	SM 150	SM 151	SM 152	EU 152	EU 153	GD 155	GD 156	HO 161
		-77.4350	-74.4050	-76.0740	-73.6300	-73.4030	-74.5940	-74.7460	-72.4930	-67.2500

64 GD 156

MASS EXCESS -72.4930 +/- 0.0170 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.3474	5.5050	10.0709	11.9910	11.5923	-0.3952	7.6174	8.7673	-11.1630
		0.0240	0.0262	0.0319	0.0294	0.0362	0.0255	0.0389	0.0270	0.1510
GAMMA	GD 156	GD 157	TB 157	TB 158	TB 159	DY 159	DY 160	HO 162	HO 163	YB 168
		-70.7690	-70.7090	-69.4280	-69.5340	-69.1540	-69.6730	-66.0220	-66.3530	-61.3300
		-8.5274	-3.1854	3.2805	3.8135	4.7409	-8.9857	0.7740	0.3649	-20.1444
		0.0240	1.0001	0.0262	0.0319	0.0328	0.0362	1.0001	0.0389	1.0001
N	GD 155	GD 156	TB 156	TB 157	TB 158	DY 158	DY 159	HO 161	HO 162	YB 167
		-72.0370	-70.0900	-70.7090	-69.4280	-70.3740	-69.1540	-67.2500	-66.0220	-60.4200
		-7.9930	-1.6645	4.1229	5.7950	4.5774	-7.8232	2.3554	3.3073	-17.6610
		0.0240	0.0294	0.0240	0.0240	0.0319	0.0294	0.0248	0.0248	0.0345
P	EU 155	EU 156	GD 156	GD 157	GD 158	TB 158	TB 159	DY 161	DY 162	TM 167
		-71.7890	-70.0460	-70.7690	-70.6270	-69.4280	-69.5340	-68.0490	-68.1820	-62.1210
		-13.9539	-5.7685	-6.3029	0.0900	0.0114	-13.7762	-1.8675	-2.6726	-23.7529
		0.0255	0.0240	0.0240	0.0240	0.0262	0.0319	0.0255	0.0248	0.0380
D	EU 154	EU 155	GD 155	GD 156	GD 157	TB 157	TB 158	DY 160	DY 161	TM 166
		-71.6750	-71.7890	-72.0370	-70.7690	-70.7090	-69.4280	-69.6730	-68.0490	-61.8760
		-12.6969	-7.6965	-6.7930	-2.2700	-2.4216	-14.3092	-4.2005	-2.8626	-24.5729
		0.0220	0.0255	0.0233	0.0240	1.0001	0.0263	0.0363	0.0255	0.0389
T	EU 153	EU 154	GD 154	GD 155	GD 156	TB 156	TB 157	DY 159	DY 160	TM 165
		-74.7460	-71.6750	-73.3610	-72.0370	-70.0900	-70.7090	-69.1540	-69.6730	-62.8700
		-14.8643	-6.9599	-8.4603	-2.4994	-2.4284	-14.2306	-3.8019	-4.6710	-22.9843
		0.0233	0.0220	0.0255	0.0240	0.0294	0.0240	0.0294	0.0255	0.0270
HE3	SM 153	SM 154	EU 154	EU 155	EU 156	GD 156	GD 157	TB 159	TB 160	ER 165
		-72.5600	-72.3930	-71.6750	-71.7890	-70.0460	-70.7690	-69.5340	-67.8460	-64.4400
		-1.5147	5.7137	7.1172	9.8932	11.8212	12.0506	8.5987	9.5236	-9.0507
		0.0270	0.0233	0.0220	0.0255	0.0240	0.0240	0.0319	0.0294	0.0435
HE4	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	ER 164
		-73.4030	-72.5600	-74.7460	-71.6750	-71.7890	-72.0370	-69.4280	-69.5340	-65.8670
		-14.0172	-8.3898	-5.7462	-2.3613	-0.3952	-2.2709	-14.3054	-5.9128	-4.4749
		0.0224	0.0625	0.0218	0.0266	0.0224	0.0224	0.0237	1.0002	0.0266
HE6	SM 150	SM 151	EU 151	EU 152	EU 153	GD 153	GD 154	TB 156	TB 157	ER 162
		-76.0740	-73.6300	-77.0560	-74.5940	-74.7460	-72.8890	-73.3610	-70.0900	-70.7090
		-12.1764	-4.8440	-5.6624	-0.0425	0.9286	3.0959	-12.4816	-0.9051	-20.5594
		0.0241	0.0221	0.0624	0.0270	0.0234	0.0221	0.0255	0.0241	0.0389
LI6	PM 150	PM 151	SM 151	SM 152	SM 153	EU 153	EU 154	GD 156	GD 157	HO 162
		-74.4050	-73.6660	-73.6300	-73.4030	-72.5600	-74.7460	-71.6750	-70.7690	-66.0220

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64 GD 157

MASS EXCESS -70.7690 +/- 0.0170 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.9294	5.9480	11.9009	12.0269	13.8353	-0.2952	9.6724	8.9783	-10.7190
		0.0240	0.0319	0.0294	0.0255	0.0255	0.0248	0.0270	0.0416	1.0001
GAMMA	GD 157	GD 158	TB 158	TB 159	TB 160	DY 160	DY 161	HO 163	HO 164	YB 169
		-70.6270	-69.4280	-69.5340	-67.8460	-69.6730	-68.0490	-66.3530	-64.8400	-60.0500
		-6.3474	-0.8425	3.7235	5.6435	5.2449	-6.7427	1.2700	2.4199	-17.5104
		0.0240	0.0262	0.0319	0.0294	0.0362	0.0255	0.0389	0.0270	0.1510
N	GD 156	GD 157	TB 157	TB 158	TB 159	DY 159	DY 160	HO 162	HO 163	YB 168
		-72.4930	-70.7090	-69.4280	-69.5340	-69.1540	-69.6730	-66.0220	-66.3530	-61.3300
		-8.0120	-0.5675	5.7049	5.4780	6.4074	-7.7872	4.2124	3.2123	-16.7920
		0.0294	0.0389	0.0240	0.0302	0.0294	0.0255	0.0248	0.0248	0.0500
P	EU 156	EU 157	GD 157	GD 158	GD 159	TB 159	TB 160	DY 162	DY 163	TM 168
		-70.0460	-69.4190	-70.6270	-68.5860	-69.5340	-67.8460	-68.1820	-66.3630	-61.2660
		-12.1159	-5.7875	-4.1229	1.6720	0.4544	-11.9462	-1.7675	-0.8156	-21.7839
		0.0240	0.0294	0.0240	0.0240	0.0319	0.0294	0.0248	0.0248	0.0345
D	EU 155	EU 156	GD 156	GD 157	GD 158	TB 158	TB 159	DY 161	DY 162	TM 167
		-71.7890	-70.0460	-72.4930	-70.6270	-69.4280	-69.5340	-68.0490	-68.1820	-62.1210
		-14.0439	-5.8585	-6.3930	-0.0900	-0.0786	-13.8662	-1.9575	-2.7626	-23.8429
		0.0255	0.0240	0.0240	0.0240	0.0263	0.0319	0.0255	0.0248	0.0380
T	EU 154	EU 155	GD 155	GD 156	GD 157	TB 157	TB 158	DY 160	DY 161	TM 166
		-71.6750	-71.7890	-72.0370	-72.4930	-70.7090	-69.4280	-69.6730	-68.0490	-61.8760
		-13.3073	-7.4889	-6.6223	-2.5184	-1.3314	-12.6486	-3.7659	-3.3280	-20.7823
		0.0220	0.0240	0.0240	0.0294	0.0389	0.0240	0.0255	0.0255	0.0319
HE3	SM 154	SM 155	EU 155	EU 156	EU 157	GD 157	GD 158	TB 160	TB 161	ER 166
		-72.3930	-70.1400	-71.7890	-70.0460	-69.4190	-70.6270	-67.8460	-67.4650	-64.9180
		-0.6337	7.2707	5.7702	11.7312	11.8022	14.2306	10.4287	9.5595	-8.7537
		0.0233	0.0220	0.0255	0.0240	0.0294	0.0240	0.0294	0.0255	0.0270
HE4	SM 153	SM 154	EU 154	EU 155	EU 156	GD 156	GD 157	TB 159	TB 160	ER 165
		-72.5600	-72.3930	-71.6750	-71.7890	-70.0460	-72.4930	-69.5340	-67.8460	-64.4400
		-14.7372	-6.8928	-6.4842	-0.4853	-1.7422	-0.0749	-13.9054	-3.5698	-4.0319
		0.0625	0.0273	0.0266	0.0224	0.0258	0.0237	0.0244	0.0266	0.0273
HE6	SM 151	SM 152	EU 152	EU 153	EU 154	GD 154	GD 155	TB 157	TB 158	ER 163
		-73.6300	-73.4030	-74.5940	-74.7460	-71.6750	-73.3610	-72.0370	-70.7090	-69.4280
		-11.1914	-5.5360	-4.1654	0.8385	2.4855	1.7489	-10.6437	0.6769	-18.5044
		0.0221	1.0001	0.0270	0.0234	0.0221	0.0255	0.0241	0.0241	0.0270
LI6	PM 151	PM 152	SM 152	SM 153	SM 154	EU 154	EU 155	GD 157	GD 158	HO 163
		-73.6660	-71.2500	-73.4030	-72.5600	-72.3930	-71.6750	-71.7890	-70.6270	-66.3530

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64 Gd 157

64 GD 158

MASS EXCESS -70.6270 +/- 0.0170 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
CUTCOING										
		6.0304	6.1960	10.3549	11.7880	12.3533	-0.0202	8.3014	9.0913	-10.0970
		0.0302	0.0294	0.0255	0.0255	0.0248	0.0248	0.0416	0.0263	0.0624
GAMMA	GD 158	GD 159	TB 159	TB 160	TB 161	DY 161	DY 162	HQ 164	HQ 165	YB 170
		-68.5860	-69.5340	-67.8460	-67.4650	-68.0490	-68.1820	-64.8400	-64.8110	-60.5300
		-7.9294	-1.9814	3.9715	4.0975	5.9059	-8.2247	1.7430	1.0489	-18.6484
		0.0240	0.0319	0.0294	0.0255	0.0255	0.0248	0.0270	0.0416	1.0001
N	GD 157	GD 158	TB 158	TB 159	TB 160	DY 160	DY 161	HQ 163	HQ 164	YB 169
		-70.7690	-69.4280	-69.5340	-67.8460	-69.6730	-68.0490	-66.3530	-64.8400	-60.0500
		-8.4970	-2.7145	3.8059	4.9250	4.8614	-8.0262	2.5354	2.9403	-16.6670
		0.0389	0.2007	0.0302	0.0255	0.0255	0.0255	0.0248	0.0248	0.0362
P	EU 157	EU 158	GD 158	GD 159	GD 160	TB 160	TB 161	DY 163	DY 164	TM 169
		-69.4190	-67.1300	-68.5860	-67.8910	-67.8460	-67.4650	-66.3630	-65.9490	-61.2490
		-13.7169	-6.2725	-5.7049	-0.2270	0.7024	-13.4922	-1.4925	-2.4926	-22.4969
		0.0294	0.0389	0.0240	0.0302	0.0294	0.0255	0.0248	0.0248	0.0500
D	EU 156	EU 157	GD 157	GD 158	GD 159	TB 159	TB 160	DY 162	DY 163	TM 168
		-70.0460	-69.4190	-70.7690	-69.5860	-69.5340	-67.8460	-68.1820	-66.3630	-61.2660
		-13.7879	-7.4595	-5.7950	-1.6720	-1.2176	-13.6182	-3.4395	-2.4876	-23.4559
		0.0240	0.0294	0.0240	0.0240	0.0319	0.0294	0.0248	0.0248	0.0345
T	EU 155	EU 156	GD 156	GD 157	GD 158	TB 158	TB 159	DY 161	DY 162	TM 167
		-71.7890	-70.0460	-72.4930	-70.7690	-69.4280	-69.5340	-68.0490	-68.1820	-62.1210
		-15.4183	-8.1559	-8.2233	-3.0034	-3.4784	-14.5476	-4.0049	-5.2710	-22.2733
		0.0240	0.0328	0.0294	0.0389	0.2007	0.0302	0.0255	1.0001	0.0319
HE3	SM 155	SM 156	EU 156	EU 157	EU 158	GD 158	GD 159	TB 161	TB 162	FR 167
		-70.1400	-69.3310	-70.0460	-69.4190	-67.1300	-68.5860	-67.4650	-65.3800	-63.2850
		-0.6587	5.1597	6.0262	10.1302	11.3172	12.6486	8.8827	9.3206	-8.1337
		0.0220	0.0240	0.0240	0.0294	0.0389	0.0240	0.0255	0.0255	0.0319
HE4	SM 154	SM 155	EU 155	EU 156	EU 157	GD 157	GD 158	TB 160	TB 161	ER 166
		-72.3930	-70.1400	-71.7890	-70.0460	-69.4190	-70.7690	-67.8460	-67.4650	-64.0180
		-14.8222	-7.5938	-6.1902	-3.4143	-1.4862	-1.2569	-13.3074	-4.7088	-3.7839
		0.0273	0.0237	0.0224	0.0258	0.0244	0.0244	0.0244	0.0322	0.0297
HE6	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	EP 164
		-73.4030	-72.5600	-74.7460	-71.6750	-71.7890	-72.0370	-72.4930	-69.4280	-69.5340
		-13.4654	-5.8840	-4.8664	0.8135	0.3746	2.0049	-12.2446	-1.2221	-19.8754
		1.0001	0.1014	0.0234	0.0221	0.0241	0.0241	0.0294	0.0303	0.0416
LI6	PM 152	PM 153	SM 153	SM 154	SM 155	EU 155	EU 156	GD 158	GD 159	HQ 164
		-71.2500	-70.7600	-72.5600	-72.3930	-70.1400	-71.7890	-70.0460	-68.5860	-64.8400

64 GD 158

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64 GD 160

MASS EXCESS -67.8910 +/- 0.0190 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.6404	6.8630	10.6249	11.7390	13.4033	0.4828	9.2684	9.2963	-8.6110
		0.0725	0.0269	1.0002	0.0535	0.0262	0.0262	0.0339	0.1018	0.0725
GAMMA	GD 160	GD 161	TB 161	TB 162	TB 163	DY 163	DY 164	HO 166	HO 167	YB 172
		-65.4600	-67.4650	-65.3800	-64.6800	-66.3630	-65.9490	-63.0710	-62.2800	-59.2800
		-7.3764	-0.8274	4.6385	4.3675	7.1509	-7.1747	2.9370	2.0159	-16.7424
		0.0314	0.0269	0.0269	1.0002	0.0262	0.0262	0.0276	0.0339	0.0725
N	GD 159	GD 160	TB 160	TB 161	TB 162	DY 162	DY 163	HO 165	HO 166	YB 171
		-68.5860	-67.8460	-67.4650	-65.3800	-68.1820	-66.3630	-64.8110	-63.0710	-59.2200
		-9.1640	-2.8085	3.4159	4.1500	5.1314	-8.0752	2.4204	2.3163	-16.0600
		0.0535	0.5004	0.0725	1.4101	1.0002	0.0535	0.0269	0.0339	0.0725
P	EU 159	EU 160	GD 160	GD 161	GD 162	TB 162	TB 163	DY 165	DY 166	TM 171
		-66.0160	-64.3000	-65.4600	-64.3800	-65.3800	-64.6800	-63.5120	-62.5890	-59.1200
		-13.8969	-6.9395	-5.1519	-0.6170	1.3694	-13.2222	-0.9895	-2.6076	-21.4669
		0.2009	0.0535	0.0314	0.0725	0.0269	1.0002	0.0262	0.0269	0.0629
D	EU 158	EU 159	GD 159	GD 160	GD 161	TB 161	TB 162	DY 164	DY 165	TM 170
		-67.1300	-66.0160	-68.5860	-65.4600	-67.4650	-65.3800	-65.9490	-63.5120	-59.5600
		-13.4219	-7.6395	-4.9250	-1.1190	-0.0636	-12.9512	-2.3895	-1.9846	-21.5919
		0.0398	0.2009	0.0255	0.0314	0.0269	0.0269	0.0262	0.0262	0.0372
T	EU 157	EU 158	GD 158	GD 159	GD 160	TB 160	TB 161	DY 163	DY 164	TM 169
		-69.4190	-67.1300	-70.6270	-68.5860	-67.8460	-67.4650	-66.3630	-65.9490	-61.2490
			-8.4033	-3.6704	-3.5724		-14.9376	-4.0539	-5.7650	-21.9133
			0.2009	0.0535	0.5004		0.0725	0.0535	1.0002	0.0372
HE3	MASS SM 157 UNKNOWN	MASS SM 158 UNKNOWN	EU 158	EU 159	EU 160	GD 160	GD 161	TB 163	TB 164	ER 169
			-67.1300	-66.0160	-64.3000		-65.4600	-64.6800	-62.1500	-60.9090
		-0.9847	6.3922	9.9502	10.6502	13.2016		9.1527	9.2716	-7.3327
		0.0338	MASS	0.0398	0.2009	0.0535		1.0002	0.0535	0.0355
HE4	SM 156	SM 157	EU 157	EU 158	EU 159	GD 159	GD 160	TB 162	TB 163	ER 168
		-69.3310	UNKNOWN	-69.4190	-67.1300	-66.0160	-68.5860	-65.3800	-64.6800	-62.9830
		-13.0962	-7.2778	-6.4112	-2.3073	-1.1202	0.2111	-12.4374	-3.5548	-3.1169
		0.0239	0.0258	0.0258	0.0309	0.0400	0.0258	0.0258	0.0272	0.0333
HE6	SM 154	SM 155	EU 155	EU 156	EU 157	GD 157	GD 158	TB 160	TB 161	ER 166
		-72.3930	-70.1400	-71.7890	-70.0460	-69.4190	-70.7690	-70.6270	-67.8460	-67.4650
			-4.5504	0.4875		2.3709	-12.4246		-1.6121	-18.9084
			0.0255	0.0339	MASS	0.0398	0.2009		0.0725	0.0339
LI6	MASS PM 154 UNKNOWN	MASS PM 155 UNKNOWN	SM 155	SM 156	SM 157	EU 157	EU 158	GD 160	GD 161	HO 166
			-70.1400	-69.3310	UNKNOWN	-69.4190	-67.1300		-65.4600	-63.0710

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12

OUTGOING										
		6.3834	7.4280	11.6509	13.5979	11.4193	-0.7563	8.9944	10.2913	-11.9140
		0.0306	0.0306	0.0300	0.0300	0.0424	0.0319	0.0319	0.0361	1.0003
GAMMA	TB 159	TB 160	DY 160	DY 161	DY 162	HO 162	HO 163	ER 165	ER 166	LU 171
		-67.8460	-69.6730	-68.0490	-68.1820	-66.0220	-66.3530	-64.4400	-64.9180	-57.6200
		-8.1774	-1.1624	5.2035	5.3935	4.5759	-9.1587	2.3500	1.7419	-20.4854
		0.0361	0.0400	0.0306	0.0300	1.0003	0.0424	0.0467	0.0319	0.0646
N	TB 158	TB 159	DY 159	DY 160	DY 161	HO 161	HO 162	ER 164	ER 165	LU 170
		-69.4280	-69.1540	-69.6730	-68.0490	-67.2500	-66.0220	-65.8670	-64.4400	-57.1200
		-6.1960	-0.1655	4.1589	5.5920	6.1573	-6.2162	2.1054	2.8953	-16.2930
		0.0294	0.0347	0.0306	0.0306	0.0300	0.0300	0.0450	0.0313	0.0646
P	GD 158	GD 159	TB 159	TB 160	TB 161	DY 161	DY 162	HO 164	HO 165	YB 170
		-70.6270	-68.5860	-67.8460	-67.4650	-68.0490	-68.1820	-64.8400	-64.8110	-60.5300
		-11.9009	-3.9715	-5.9529	0.1260	1.9344	-12.1962	-2.2285	-2.9226	-22.6199
		0.0294	0.0294	0.0361	0.0306	0.0306	0.0300	0.0319	0.0450	1.0003
D	GD 157	GD 158	TB 158	TB 159	TB 160	DY 160	DY 161	HO 163	HO 164	YB 169
		-70.7690	-70.6270	-69.4280	-67.8460	-69.6730	-68.0490	-66.3530	-64.8400	-60.0500
		-11.9909	-5.6435	-6.4860	-1.9200	-0.3986	-12.3862	-4.3735	-3.2236	-23.1539
		0.0294	0.0294	0.0312	0.0361	0.0400	0.0306	0.0425	0.0319	0.1519
T	GD 156	GD 157	TB 157	TB 158	TB 159	DY 159	DY 160	HO 162	HO 163	YB 168
		-72.4930	-70.7690	-70.7090	-69.4280	-69.1540	-69.6730	-66.0220	-66.3530	-61.3300
		-14.4193	-6.9749	-6.4073	-0.7024	-0.9294	-14.1946	-2.1949	-3.1950	-23.1993
		0.0339	0.0424	0.0294	0.0294	0.0347	0.0306	0.0300	0.0300	0.0528
HE3	EU 156	EU 157	GD 157	GD 158	GD 159	TB 159	TB 160	DY 162	DY 163	TM 168
		-70.0460	-69.4190	-70.7690	-70.6270	-68.5860	-67.8460	-68.1820	-66.3630	-61.2660
		-0.1698	6.1587	7.8232	11.9462	13.6182	12.4006	10.1786	11.1305	-9.8377
		0.0294	0.0339	0.0294	0.0294	0.0294	0.0361	0.0300	0.0300	0.0384
HE4	EU 155	EU 156	GD 156	GD 157	GD 158	TB 158	TB 159	DY 161	DY 162	TM 167
		-71.7890	-70.0460	-72.4930	-70.7690	-70.6270	-69.4280	-68.0490	-68.1820	-62.1210
		-12.3862	-7.3858	-6.4822	-1.9593	0.3108	-2.1109	-13.9985	-3.8898	-2.5519
		0.0281	0.0309	0.0291	0.0297	0.0297	1.0003	0.0315	0.0402	0.0426
HE6	EU 153	EU 154	GD 154	GD 155	GD 156	TB 156	TB 157	DY 159	DY 160	TM 165
		-74.7460	-71.6750	-73.3610	-72.0370	-72.4930	-70.0900	-70.7090	-69.1540	-69.6730
		-11.0624	-3.1580	-4.6584	1.3025	1.3735	3.8019	-10.4286	-0.8691	-19.1824
		0.0289	0.0278	0.0306	0.0294	0.0340	0.0294	0.0294	0.0306	0.0319
LI6	SM 153	SM 154	EU 154	EU 155	EU 156	GD 156	GD 157	TB 159	TB 160	ER 165
		-72.5600	-72.3930	-71.6750	-71.7890	-70.0460	-72.4930	-70.7690	-67.8460	-64.4400

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MASS EXCESS -70.8600 +/- 0.1700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.8214		8.6059	11.4400			4.7084	6.9203	
		1.0143	MASS	0.1725	1.0143	MASS	MASS	0.2140	0.1740	MASS
GAMMA	DY 156	DY 157	HO 157	HO 158	HO 159	ER 159	ER 160	TM 162	TM 163	HF 168
		-69.6100	UNKNOWN	-66.3300	-67.3500	UNKNOWN	UNKNOWN	-61.4800	-62.8730	UNKNOWN
		-9.8914			2.3485			-3.1130	-2.5441	
		1.0143	MASS	MASS	0.1725	MASS	MASS	1.0242	0.2140	MASS
N	DY 155	DY 156	HO 156	HO 157	HO 158	ER 158	ER 159	TM 161	TM 162	HF 167
		-69.0400	UNKNOWN	UNKNOWN	-66.3300	UNKNOWN	UNKNOWN	-61.7300	-61.4800	UNKNOWN
		-7.0090	0.0125	4.5969	7.1750	3.1124	-8.3742	1.1894	3.1283	-20.7690
		1.0143	1.0143	1.0143	0.1723	0.1725	1.0143	1.0143	0.1924	1.0143
P	TB 155	TB 156	DY 156	DY 157	DY 158	HO 158	HO 159	ER 161	ER 162	LU 167
		-71.1400	-70.0900	-69.6100	-70.3740	-66.3300	-67.3500	-65.2500	-66.3700	-57.3800
		-13.7459	-4.7845	-7.6669	0.5640		-15.2412		-3.8386	
		1.0143	1.0143	1.0143	1.0143	MASS	0.1725	MASS	1.0143	MASS
D	TB 154	TB 155	DY 155	DY 156	DY 157	HO 157	HO 158	ER 160	ER 161	LU 166
		-70.2500	-71.1400	-69.0400	-69.6100	UNKNOWN	-66.3300	UNKNOWN	-65.2500	UNKNOWN
		-14.5399	-7.4885	-8.0610	-3.6340					
		1.0143	1.0143	0.1772	1.0143	MASS	MASS	MASS	MASS	MASS
T	TB 153	TB 154	DY 154	DY 155	DY 156	HO 156	HO 157	ER 159	ER 160	LU 165
		-71.2700	-70.2500	-70.4600	-69.0400	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-12.6733	-4.0669	-8.2523	-1.5154		-13.7566	-4.3529	-4.5140	-25.6513
		0.1708	0.1710	1.0143	1.0143		1.0143	1.0143	0.1772	1.4202
HE3	GD 153	GD 154	TB 154	TB 155	TB 156	DY 156	DY 157	HO 159	HO 160	YB 165
		-73.1180	-73.6530	-70.2500	-71.1400	-70.0900	-69.6100	-67.3500	-66.3700	-60.1400
		1.4253	7.9047	5.2742	10.1012	12.8052	10.6866	7.1337	8.9726	
		0.1707	0.1708	1.0143	1.0143	1.0143	1.0143	0.1725	1.0143	MASS
HE4	GD 152	GD 153	TB 153	TB 154	TB 155	DY 155	DY 156	HO 158	HO 159	YB 164
		-74.7100	-73.1180	-71.2700	-70.2500	-71.1400	-69.0400	-66.3300	-67.3500	UNKNOWN
		-12.6402	-6.1168	-9.5892	-4.7923	-2.2382	-4.3569	-15.5734		
		0.1715	1.0144	0.3536	0.2268	1.0144	0.2268	0.1772	MASS	MASS
HE6	GD 150	GD 151	TB 151	TB 152	TB 153	DY 153	DY 154	HO 156	HO 157	YB 162
		-75.8180	-74.2700	-71.5800	-70.5300	-71.2700	-69.1700	-70.4600	UNKNOWN	UNKNOWN
		-10.1414	-2.2070	-3.3894	2.8975	3.1196	1.2529	-12.2736	-0.4311	-23.4684
		0.1714	0.1712	1.0143	0.1707	0.1709	1.0143	1.0143	1.0143	0.2140
LI6	EU 150	EU 151	GD 151	GD 152	GD 153	TB 153	TB 154	DY 156	DY 157	TM 162
		-74.8070	-74.6700	-74.2700	-74.7100	-73.1180	-71.2700	-70.2500	-69.6100	-61.4800

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.8514	4.2650	9.1319	11.8260	9.8073	-1.5792	5.6194	7.4033	
GAMMA	DY 158	0.0425	1.0004	0.0573	1.0004	1.0004	0.0943	0.0530	0.0448	MASS
		DY 159	HO 159	HO 160	HO 161	ER 161	ER 162	TM 164	TM 165	HF 170
		-69.1540	-67.3500	-66.3700	-67.2500	-65.2500	-66.3700	-61.9050	-62.8700	UNKNOWN
		-8.8354	-4.8264	2.0405	2.8745		-10.7707	-1.4840	-1.6331	
		1.0004	0.0403	1.0004	0.0573	MASS	1.0004	0.0464	0.0530	MASS
N	DY 157	DY 158	HO 158	HO 159	HO 160	ER 160	ER 161	TM 163	TM 164	HF 169
		-69.6100	-66.3300	-67.3500	-66.3700	UNKNOWN	-65.2500	-62.8730	-61.9050	UNKNOWN
		-6.9540	-0.1635	4.6269	6.9600	3.6384	-7.9882	1.5684	3.1113	-19.8730
		0.0344	0.0389	0.0425	0.0338	0.0573	1.0004	0.0350	0.0488	1.0004
P	TB 157	TB 158	DY 158	DY 159	DY 160	HO 160	HO 161	ER 163	ER 164	LU 169
		-70.7090	-69.4280	-69.1540	-69.6730	-66.3700	-67.2500	-65.1430	-65.8670	-57.7900
		-13.4199	-4.7295	-6.6109	0.5940	-1.2286	-14.7152	-3.0515	-3.4596	-26.7799
		1.0004	0.0344	1.0004	0.0425	1.0004	0.0573	0.0943	0.0350	1.0104
D	TB 156	TB 157	DY 157	DY 158	DY 159	HO 159	HO 160	ER 162	ER 163	LU 168
		-70.0900	-70.7090	-69.6100	-69.1540	-67.3500	-66.3700	-66.3700	-65.1430	-56.7300
		-11.6709	-7.1625	-6.8950	-2.5780	-4.0626	-15.5492	-5.9855	-4.0466	-27.9439
		0.0333	1.0004	1.0004	1.0004	0.0403	1.0004	1.0004	0.0943	1.0004
T	TB 155	TB 156	DY 156	DY 157	DY 158	HO 158	HO 159	ER 161	ER 162	LU 167
		-73.6530	-70.0900	-71.1400	-69.6100	-66.3300	-67.3500	-65.2500	-66.3700	-57.3800
		-13.2683	-4.7409	-7.9263	-1.4604	-0.9274	-13.7266	-3.9669	-4.3760	-24.8853
		0.0328	0.0328	1.0004	0.0344	0.0389	0.0425	1.0004	0.0448	1.0004
HE3	GD 155	GD 156	TB 156	TB 157	TB 158	DY 158	DY 159	HO 161	HO 162	YB 167
		-72.0370	-72.4930	-70.0900	-70.7090	-69.4280	-69.1540	-67.2500	-66.0220	-60.4200
		0.5623	7.3097	8.1432	10.4272	12.8602	11.7426	7.6597	9.3586	-11.1787
		0.0323	0.0328	0.0333	1.0004	0.0344	1.0004	0.0573	1.0004	0.1038
HE4	GD 154	GD 155	TB 155	TB 156	TB 157	DY 157	DY 158	HO 160	HO 161	YB 166
		-73.3610	-72.0370	-73.6530	-70.0900	-70.7090	-69.6100	-66.3700	-67.2500	-61.6200
		-13.3022	-7.0118	-5.9732	-1.7183	0.6308	-2.7909	-14.4074	-7.5538	-5.7149
		0.0346	0.0316	0.0320	0.0330	0.0335	1.0004	1.0004	0.0405	1.0004
HE6	GD 152	GD 153	TB 153	TB 154	TB 155	DY 155	DY 156	HO 158	HO 159	YB 164
		-74.6700	-72.8890	-74.7100	-73.1180	-73.6530	-70.2500	-71.1400	-66.3300	-67.3500
										MASS
										UNKNOWN
		-9.8684	-1.6450	-4.2844	2.0345	2.5246	4.1219	-11.9476	-0.4011	-22.5574
		0.0344	0.0313	0.0313	0.0323	0.0328	0.0333	1.0004	0.0425	0.0530
LI6	EU 152	EU 153	GD 153	GD 154	GD 155	TB 155	TB 156	DY 158	DY 159	TM 164
		-74.5940	-74.7460	-72.8890	-73.3610	-72.0370	-73.6530	-70.0900	-69.1540	-61.9050

66 DY 160

MASS EXCESS -69.6730 +/- 0.0190 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.4474	4.8660	9.4849	11.6299	10.4013	-1.3813	6.2914	7.3553	
		0.0262	1.0002	0.0398	0.0283	0.0283	0.0443	0.0390	0.0355	MASS
GAMMA	DY 160	DY 161	HO 161	HO 162	HO 163	ER 163	ER 164	TM 166	TM 167	HF 172
		-68.0490	-67.2500	-66.0220	-66.3530	-65.1430	-65.8670	-61.8760	-62.1210	UNKNCWN
		-8.5904	-4.0855	2.6415	3.2275	3.5569	-10.1767	-0.7860	-0.9611	
		0.0372	0.0535	1.0002	0.0398	0.0920	0.0283	0.0398	0.0390	MASS
N	DY 159	DY 160	HO 160	HO 161	HO 162	ER 162	ER 163	TM 165	TM 166	HF 171
		-69.1540	-66.3700	-67.2500	-66.0220	-66.3700	-65.1430	-62.8700	-61.8760	UNKNCWN
		-7.4280	-1.0445	4.2229	6.1700	3.9914	-8.1842	1.5664	2.8633	-19.3420
		0.0306	0.0269	0.0262	0.0262	0.0398	0.0283	0.0283	0.0330	1.0002
P	TB 159	TB 160	DY 160	DY 161	DY 162	HO 162	HO 163	ER 165	ER 166	LU 171
		-69.5340	-67.8460	-68.0490	-68.1820	-66.0220	-66.3530	-64.4400	-64.9180	-57.6200
		-13.3809	-5.2035	-6.3659	0.1900	-0.6276	-14.3622	-2.8535	-3.4616	-25.6889
		0.0330	0.0306	0.0372	0.0262	1.0002	0.0398	0.0443	0.0283	0.0629
D	TB 158	TB 159	DY 159	DY 160	DY 161	HO 161	HO 162	ER 164	ER 165	LU 170
		-69.4280	-69.5340	-69.1540	-68.0490	-67.2500	-66.0220	-65.8670	-64.4400	-57.1200
		-13.9139	-7.1235	-6.9600	-2.3330	-3.3216	-14.9482	-5.3916	-3.8486	-26.8329
		0.0276	0.0330	0.0338	0.0372	0.0535	1.0002	0.0283	0.0443	1.0002
T	TB 157	TB 158	DY 158	DY 159	DY 160	HO 160	HO 161	ER 163	ER 164	LU 169
		-70.7090	-69.4280	-70.3740	-69.1540	-66.3700	-67.2500	-65.1430	-65.8670	-57.7900
		-13.8353	-5.9059	-7.8873	-1.9344	-1.8084	-14.1306	-4.1629	-4.8570	-24.5543
		0.0255	0.0255	0.0330	0.0306	0.0269	0.0262	0.0283	0.0425	1.0002
HE3	GD 157	GD 158	TB 158	TB 159	TB 160	DY 160	DY 161	HO 163	HO 164	YB 169
		-70.7690	-70.6270	-69.4280	-69.5340	-67.8460	-68.0490	-66.3530	-64.8400	-60.0500
		0.3953	6.7427	5.9002	10.4662	12.3862	11.9876	8.0127	9.1625	-10.7677
		0.0255	0.0255	0.0276	0.0330	0.0306	0.0372	0.0398	0.0283	0.1512
HE4	GD 156	GD 157	TB 157	TB 158	TB 159	DY 159	DY 160	HO 162	HO 163	YB 168
		-72.4930	-70.7690	-70.7090	-69.4280	-69.5340	-69.1540	-66.0220	-66.3530	-61.3300
		-13.9102	-7.1628	-6.3292	-4.0453	-1.6123	-2.7299	-14.4725	-6.8128	-5.1139
		0.0252	0.0258	0.0265	1.0002	0.0279	1.0002	0.0341	0.0536	1.0002
HE6	GD 154	GD 155	TB 155	TB 156	TB 157	DY 157	DY 158	HO 160	HO 161	YB 166
		-73.3610	-72.0370	-73.6530	-70.0900	-70.7090	-69.6100	-70.3740	-66.3700	-67.2500
		-12.0864	-3.9010	-4.4354	1.8675	1.9576	1.8789	-11.9086	-0.8051	-21.8854
		0.0269	0.0255	0.0255	0.0255	0.0255	0.0276	0.0330	0.0262	0.0390
LI6	EU 154	EU 155	GD 155	GD 156	GD 157	TB 157	TB 158	DY 160	DY 161	TM 166
		-71.6750	-71.7890	-72.0370	-72.4930	-70.7690	-70.7090	-69.4280	-68.0490	-61.8760

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66 DY 160

66 DY 162

MASS EXCESS -68.1820 +/- 0.0180 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.2524	5.4600	9.7939	11.5789	11.1893	-0.8392	7.1724	7.9743	-12.6320
		0.0255	0.0277	0.0420	0.0269	0.0277	0.0325	0.0503	0.0367	0.0723
GAMMA	DY 162	DY 163	HO 163	HO 164	HO 165	ER 165	ER 166	TM 168	TM 169	HF 174
		-66.3630	-66.3530	-64.8400	-64.8110	-64.4400	-64.5180	-61.2660	-61.2490	-55.5500
		-8.2044	-2.9424	3.2355	3.5365	4.5449	-9.3887	-0.0440	-0.0801	
		0.0255	0.0394	0.0277	0.0420	0.0439	0.0277	0.0350	0.0503	MASS
N	DY 161	DY 162	HO 162	HO 163	HO 164	ER 164	ER 165	TM 167	TM 168	HF 173
		-68.0490	-66.0220	-66.3530	-64.8400	-65.8670	-64.4400	-62.1210	-61.2660	UNKNOWN
		-8.0060	-2.0195	4.0279	5.4280	4.3004	-8.2352	1.9024	2.4193	-18.4710
		0.0262	1.0002	0.0255	0.0255	0.0420	0.0269	0.0325	0.0350	0.0723
P	TB 161	TB 162	DY 162	DY 163	DY 164	HO 164	HO 165	ER 167	ER 168	LU 173
		-67.4650	-65.3800	-66.3630	-65.9490	-64.8400	-64.8110	-63.2850	-62.9830	-57.0000
		-13.4719	-5.7815	-5.9799	-0.0050	-0.0336	-14.0532	-2.3115	-3.1256	-24.7379
		0.0262	0.0262	0.0255	0.0255	0.0277	0.0420	0.0325	0.0325	1.0002
D	TB 160	TB 161	DY 161	DY 162	DY 163	HO 163	HO 164	ER 166	ER 167	LU 172
		-67.8460	-67.4650	-68.0490	-66.3630	-66.3530	-64.8400	-64.9180	-63.2850	-56.5800
		-13.5979	-7.2145	-6.1700	-1.9470	-2.1786	-14.3542	-4.6035	-3.3066	-25.5119
		0.0300	0.0262	0.0262	0.0255	0.0394	0.0277	0.0277	0.0325	1.0002
T	TB 159	TB 160	DY 160	DY 161	DY 162	HO 162	HO 163	ER 165	ER 166	LU 171
		-69.5340	-67.8460	-69.6730	-68.0490	-66.0220	-66.3530	-64.4400	-64.9180	-57.6200
		-14.5273	-7.1509	-7.9783	-2.5124	-2.7834	-14.3256	-4.2139	-5.1350	-23.8933
		0.0308	0.0262	0.0262	0.0262	1.0002	0.0255	0.0269	0.0333	0.0723
HE3	GD 159	GD 160	TB 160	TB 161	TB 162	DY 162	DY 163	HO 165	HO 166	YB 171
		-68.5860	-67.8910	-67.8460	-67.4650	-65.3800	-66.3630	-64.8110	-63.0710	-59.2200
		0.0203	6.0507	6.2162	10.3752	11.8082	12.3736	8.3217	9.1115	-10.0767
		0.0248	0.0308	0.0300	0.0262	0.0262	0.0255	0.0421	0.0269	0.0626
HE4	GD 158	GD 159	TB 159	TB 160	TB 161	DY 161	DY 162	HO 164	HO 165	YB 170
		-70.6270	-68.5860	-69.5340	-67.8460	-67.4650	-68.0490	-64.8400	-64.8110	-60.5300
		-13.2872	-6.9398	-7.7822	-3.2163	-1.2962	-1.6949	-13.6824	-5.6698	-24.4502
		0.0251	0.0251	0.0272	0.0327	0.0303	0.0369	0.0265	0.0396	0.1511
HE6	GD 156	GD 157	TB 157	TB 158	TB 159	DY 159	DY 160	HO 162	HO 163	YB 168
		-72.4930	-70.7690	-70.7090	-69.4280	-69.5340	-69.1540	-69.6730	-66.0220	-66.3530
		-12.2244	-4.7800	-4.2124	1.4925	1.2656	2.1949	-11.9997	-1.0001	-21.0044
		0.0300	0.0394	0.0248	0.0248	0.0308	0.0300	0.0262	0.0255	0.0503
LI6	EU 156	EU 157	GD 157	GD 158	GD 159	TB 159	TB 160	DY 162	DY 163	TM 168
		-70.0460	-69.4190	-70.7690	-70.6270	-68.5860	-69.5340	-67.8460	-66.3630	-61.2660

66 DY 163

MASS EXCESS -66.3630 +/- 0.0180 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.6574	5.7660	11.5839	11.6580	13.4863	-0.6532	8.9744	8.1043	-11.6630
		0.0255	0.0420	0.0269	0.0333	0.0325	0.0325	0.0367	0.0627	0.0626
GAMMA	DY 163	DY 164	HO 164	HO 165	HO 166	ER 166	ER 167	TM 169	TM 170	HF 175
		-65.9490	-64.8400	-64.8110	-63.0710	-64.9180	-63.2850	-61.2490	-55.5600	-54.7000
		-6.2524	-0.7924	3.5415	5.3265	4.9369	-7.0917	0.9200	1.7219	-18.8844
		0.0255	0.0277	0.0420	0.0269	0.0277	0.0325	0.0503	0.0367	0.0723
N	DY 162	DY 163	HO 163	HO 164	HO 165	ER 165	ER 166	TM 168	TM 169	HF 174
		-68.1820	-66.3530	-64.8400	-64.8110	-64.4400	-64.9180	-61.2660	-61.2490	-55.5500
		-8.2720	-0.9005	5.4329	4.8100	6.0904	-8.1562	3.4194	2.1643	-18.0920
		1.0002	0.0531	0.0255	0.0262	0.0269	0.0333	0.0350	0.0367	0.0723
P	TB 162	TB 163	DY 163	DY 164	DY 165	HO 165	HO 166	ER 168	ER 169	LU 174
		-65.3800	-64.6800	-65.9490	-63.5120	-64.8110	-63.0710	-62.9830	-60.9090	-55.5600
		-12.0339	-6.0475	-4.0279	1.4000	0.2724	-12.2632	-2.1255	-1.6086	-22.4989
		0.0262	1.0002	0.0255	0.0255	0.0420	0.0269	0.0325	0.0350	0.0723
D	TB 161	TB 162	DY 162	DY 163	DY 164	HO 164	HO 165	ER 167	ER 168	LU 173
		-67.4650	-65.3800	-68.1820	-65.9490	-64.8400	-64.8110	-63.2850	-62.9830	-57.0000
		-13.4669	-5.7765	-5.9750	0.0050	-0.0286	-14.0482	-2.3065	-3.1206	-24.7329
		0.0262	0.0262	0.0255	0.0255	0.0277	0.0420	0.0325	0.0325	1.0002
T	TB 160	TB 161	DY 161	DY 162	DY 163	HO 163	HO 164	ER 166	ER 167	LU 172
		-67.8460	-67.4650	-68.0490	-68.1820	-66.3530	-64.8400	-64.9180	-63.2850	-56.5800
		-13.4033	-7.7629	-6.5403	-2.7784	-1.6644	-12.9206	-4.1349	-4.1070	-22.0143
		0.0262	0.0723	0.0262	1.0002	0.0531	0.0255	0.0333	0.1016	0.0723
HE3	GD 160	GD 161	TB 161	TB 162	TB 163	DY 163	DY 164	HO 166	HO 167	YB 172
		-67.8910	-65.4600	-67.4650	-65.3800	-64.6800	-65.9490	-63.0710	-62.2800	-59.2800
		-0.2017	7.1747	6.3472	11.8132	11.5422	14.3256	10.1117	9.1906	-9.5677
		0.0308	0.0262	0.0262	0.0262	1.0002	0.0255	0.0269	0.0333	0.0723
HE4	GD 159	GD 160	TB 160	TB 161	TB 162	DY 162	DY 163	HO 165	HO 166	YB 171
		-68.5860	-67.8910	-67.8460	-67.4650	-65.3800	-68.1820	-64.8110	-63.0710	-59.2200
		-13.1922	-5.2628	-7.2442	-1.2913	-1.1652	0.6431	-13.4874	-3.5198	-4.2139
		0.0251	0.0251	0.0327	0.0303	0.0265	0.0265	0.0258	0.0280	0.0423
HE6	GD 157	GD 158	TB 158	TB 159	TB 160	DY 160	DY 161	HO 163	HO 164	YB 169
		-70.7690	-70.6270	-69.4280	-69.5340	-67.8460	-69.6730	-68.0490	-66.3530	-64.8400
		-11.0324	-5.2500	-2.5354	1.2705	2.3896	2.3259	-10.5616	0.4049	-19.2024
		0.0394	0.2008	0.0248	0.0308	0.0262	0.0262	0.0262	0.0255	0.0367
LI6	EU 157	EU 158	GD 158	GD 159	GD 160	TB 160	TB 161	DY 163	DY 164	TM 169
		-69.4190	-67.1300	-70.6270	-68.5860	-67.8910	-67.8460	-67.4650	-65.9490	-61.2490

66 DY 163

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66 DY 164

MASS EXCESS -65.9490 +/- 0.0180 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.6344	6.1510	10.2579	11.2810	12.2673	-0.5413	7.6994	8.0783	-11.5190
		0.0262	0.0269	0.0333	0.1016	0.0325	0.0350	0.0627	0.0723	0.0531
GAMMA	DY 164	DY 165	HO 165	HO 166	HO 167	ER 167	ER 168	TM 170	TM 171	HF 176
		-63.5120	-64.8110	-63.0710	-62.2800	-63.2850	-62.9830	-59.5600	-59.1200	-54.4300
		-7.6574	-1.8914	3.9265	4.0005	5.8289	-8.3107	1.3170	0.4469	-19.3204
		0.0255	0.0420	0.0269	0.0333	0.0325	0.0325	0.0367	0.0627	0.0626
N	DY 164	HO 164	HO 165	HO 166	HO 166	ER 166	ER 167	TM 169	TM 170	HF 175
		-66.3630	-64.8400	-64.8110	-63.0710	-64.9180	-63.2850	-61.2490	-59.5600	-54.7000
		-8.5580	-3.0165	3.4099	4.3010	4.7643	-8.5332	1.7594	1.6893	-17.9480
		0.0531	1.0002	0.0262	0.0333	0.0333	0.1016	0.0367	0.0723	0.0531
P	TB 163	TB 164	DY 164	DY 165	DY 166	HO 166	HO 167	ER 169	ER 170	LU 175
		-64.6800	-62.1500	-63.5120	-62.5890	-63.0710	-62.2800	-60.9090	-60.0200	-55.2900
		-13.7049	-6.3335	-5.4329	-0.6230	0.6574	-13.5892	-2.0135	-3.2686	-23.5249
		1.0002	0.0531	0.0255	0.0262	0.0269	0.0333	0.0350	0.0367	0.0723
D	TB 162	TB 163	DY 163	DY 164	DY 165	HO 165	HO 166	ER 168	ER 169	LU 174
		-65.3800	-64.6800	-66.3630	-63.5120	-64.8110	-63.0710	-62.9830	-60.9090	-55.5600
		-13.4339	-7.4475	-5.4280	-1.4000	-1.1276	-13.6632	-3.5255	-3.0086	-23.8989
		0.0262	1.0002	0.0255	0.0255	0.0420	0.0269	0.0325	0.0350	0.0723
T	TB 161	TB 162	DY 162	DY 163	DY 164	HO 164	HO 165	ER 167	ER 168	LU 173
		-67.4650	-65.3800	-68.1820	-66.3630	-64.8400	-64.8110	-63.2850	-62.9830	-57.0000
		-15.4203	-8.4289	-8.2113	-3.0644	-3.7804	-14.9436	-4.5119	-6.2930	-23.1903
		0.0723	1.4101	1.0002	0.0531	1.0002	0.0262	0.1016	0.1016	0.0626
HE3	GD 161	GD 162	TB 162	TB 163	TB 164	DY 164	DY 165	HO 167	HO 168	YB 173
		-65.4600	-64.3800	-65.3800	-64.6800	-62.1500	-63.5120	-62.2800	-59.6800	-57.6900
		-0.4827	5.1577	6.3802	10.1422	11.2562	12.9206	8.7857	8.8135	-9.0937
		0.0262	0.0723	0.0262	1.0002	0.0531	0.0255	0.0333	0.1016	0.0723
HE4	GD 160	GD 161	TB 161	TB 162	TB 163	DY 163	DY 164	HO 166	HO 167	YB 172
		-67.8910	-65.4600	-67.4650	-65.3800	-64.6800	-66.3630	-63.0710	-62.2800	-59.2800
		-12.9202	-6.8898	-6.7242	-2.5653	-1.1322	-0.5669	-12.9404	-4.6188	-3.8289
		0.0251	0.0311	0.0303	0.0265	0.0265	0.0258	0.0258	0.0423	0.0272
HE6	GD 158	GD 159	TB 159	TB 160	TB 161	DY 161	DY 162	HO 164	HO 165	YB 170
		-70.6270	-68.5860	-69.5340	-67.8460	-67.4650	-68.0490	-68.1820	-64.8400	-64.8110
		-12.9074	-5.9500	-4.1624	0.9895	0.3726	2.3589	-12.2326	-1.6181	-20.4774
		0.2008	0.0532	0.0308	0.0262	0.0723	0.0262	1.0002	0.0262	0.0627
LI6	EU 158	EU 159	GD 159	GD 160	GD 161	TB 161	TB 162	DY 164	DY 165	TM 170
		-67.1300	-66.0160	-68.5860	-67.8910	-65.4600	-67.4650	-65.3800	-63.5120	-59.5600

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66 DY 164

67 HO 165

MASS EXCESS -64.8110 +/- 0.0200 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.3314	7.3960	11.6099	13.1220	11.3863	-1.1372	8.4974	9.3763	-13.2490
		0.0344	0.0336	0.0336	0.0361	0.0511	0.0377	0.0728	0.0728	0.0728
GAMMA	HO 165	HO 166	ER 166	ER 167	ER 168	TM 168	TM 169	YB 171	YB 172	TA 177
		-63.0710	-64.9180	-63.2850	-62.9830	-61.2660	-61.2490	-59.2200	-59.2800	-51.5620
		-8.0424	-1.1535	5.1715	5.3525	4.1699	-9.1917	1.7360	1.2449	
		0.0429	0.0290	0.0336	0.0336	0.0361	0.0511	0.0633	0.0728	MASS
N	HO 164	HO 165	ER 165	ER 166	ER 167	TM 167	TM 168	YB 170	YB 171	TA 176
		-64.8400	-64.4400	-64.9180	-63.2850	-62.1210	-61.2660	-60.5300	-59.2200	UNKNQWN
		-6.1510	-0.5165	4.1069	5.1300	6.1164	-6.6922	1.5484	1.9273	-17.6700
		0.0269	0.0276	0.0344	0.1020	0.0336	0.0361	0.0633	0.0728	0.0539
P	DY 164	DY 165	HO 165	HO 166	HO 167	ER 167	ER 168	TM 170	TM 171	HF 176
		-65.9490	-63.5120	-63.0710	-62.2800	-63.2850	-62.9830	-59.5600	-59.1200	-54.4300
		-11.5839	-3.9265	-5.8179	0.0740	1.9024	-12.2372	-2.6095	-3.4796	-23.2469
		0.0269	0.0269	0.0429	0.0344	0.0336	0.0336	0.0378	0.0633	0.0632
D	DY 163	DY 164	HO 164	HO 165	HO 166	ER 166	ER 167	TM 169	TM 170	HF 175
		-66.3630	-65.9490	-64.8400	-63.0710	-64.9180	-63.2850	-61.2490	-59.5600	-54.7000
		-11.5789	-5.3265	-6.1190	-1.7850	-0.3896	-12.4182	-4.4065	-3.6046	-24.2109
		0.0269	0.0269	0.0290	0.0429	0.0290	0.0336	0.0511	0.0378	0.0728
T	DY 162	DY 163	HO 163	HO 164	HO 165	ER 165	ER 166	TM 168	TM 169	HF 174
		-68.1820	-66.3630	-66.3530	-64.8400	-64.4400	-64.9180	-61.2660	-61.2490	-55.5500
		-14.3623	-6.9909	-6.0903	-0.6574	-1.2804	-14.2466	-2.6709	-3.9260	-24.1823
		1.0002	0.0539	0.0269	0.0269	0.0276	0.0344	0.0361	0.0378	0.0728
HE3	TB 162	TB 163	DY 163	DY 164	DY 165	HO 165	HO 166	ER 168	ER 169	LU 174
		-65.3800	-64.6800	-66.3630	-65.9490	-63.5120	-63.0710	-62.9830	-60.9090	-55.5600
		0.2293	6.2157	8.2352	12.2632	13.6632	12.5356	10.1377	10.6546	-10.2357
		0.0276	1.0002	0.0269	0.0269	0.0269	0.0429	0.0336	0.0361	0.0728
HE4	TB 161	TB 162	DY 162	DY 163	DY 164	HO 164	HO 165	ER 167	ER 168	LU 173
		-67.4650	-65.3800	-68.1820	-66.3630	-65.9490	-64.8400	-63.2850	-62.9830	-57.0000
		-12.8752	-6.4918	-5.4472	-1.2243	0.7228	-1.4559	-13.6314	-3.8808	-2.5839
		0.0315	0.0279	0.0279	0.0272	0.0272	0.0405	0.0293	0.0293	0.0339
HE6	TB 159	TB 160	DY 160	DY 161	DY 162	HO 162	HO 163	ER 165	ER 166	LU 171
		-69.5340	-67.8460	-69.6730	-68.0490	-68.1820	-66.0220	-66.3530	-64.4400	-64.9180
		-10.3134	-2.9370	-3.7644	1.7015	1.4306	4.2139	-10.1116	-0.9211	-19.6794
		0.0320	0.0276	0.0276	0.0276	1.0002	0.0269	0.0269	0.0344	0.0728
LI6	GD 159	GD 160	TB 160	TB 161	TB 162	DY 162	DY 163	HO 165	HO 166	YB 171
		-68.5860	-67.8910	-67.8460	-67.4650	-65.3800	-68.1820	-66.3630	-63.0710	-59.2200

67 Ho 165

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68 ER 162

MASS EXCESS -66.3700 +/- 0.0900 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.8444	3.7920	8.6709	11.4500	8.7013	-2.3252	4.4484	6.3273	
		0.0924	0.0973	0.1006	0.0966	1.4129	0.1345	1.0140	1.0040	MASS
GAMMA	ER 162	ER 163	TM 163	TM 164	TM 165	YB 165	YB 166	LU 168	LU 169	W 174
		-65.1430	-62.8730	-61.9050	-62.8700	-60.1400	-61.6200	-56.7300	-57.7900	UNKNOWN
		-9.1914	-5.6724	1.5675	2.4135		-11.8767	-2.9730	-2.8041	
		1.0040	0.1581	0.0973	0.1006	MASS	1.4129	1.0040	1.0140	MASS
N	ER 161	ER 162	TM 162	TM 163	TM 164	YB 164	YB 165	LU 167	LU 168	W 173
		-65.2500	-61.4800	-62.8730	-61.9050	UNKNOWN	-60.1400	-57.3800	-56.7300	UNKNOWN
		-6.4090	0.4345	4.6199	7.1580	3.1774	-8.3642	0.8494	2.5783	
		1.0040	0.0966	0.0924	0.0985	0.1006	0.0966	1.0040	0.1749	MASS
P	HO 161	HO 162	ER 162	ER 163	ER 164	TM 164	TM 165	YB 167	YB 168	TA 173
		-67.2500	-66.0220	-65.1430	-65.8670	-61.9050	-62.8700	-60.4200	-61.3300	UNKNOWN
		-13.1359	-4.1845	-6.9669	0.5870	-1.7016	-15.1762	-3.7975	-4.1786	
		0.1030	1.0040	1.0040	0.0924	0.0973	0.1006	0.1345	1.0040	MASS
D	HO 160	HO 161	ER 161	ER 162	ER 163	TM 163	TM 164	YB 166	YB 167	TA 172
		-66.3700	-67.2500	-65.2500	-65.1430	-62.8730	-61.9050	-61.6200	-60.4200	UNKNOWN
		-13.9699	-6.8785	-2.9340		-4.9086	-16.0222	-7.0915	-4.7926	
		1.0040	0.1030	1.0040		0.1581	0.0973	1.4129	0.1345	MASS
T	HO 159	HO 160	ER 160	ER 161	ER 162	TM 162	TM 163	YB 165	YB 166	TA 171
		-67.3500	-66.3700	UNKNOWN	-65.2500	-61.4800	-62.8730	-60.1400	-61.6200	UNKNOWN
		-12.1473	-3.5569	-7.6423	-0.9154	-0.3294		-13.7336	-4.3429	
		0.0955	0.0920	0.1030	1.0040	0.0966		0.0924	0.0966	MASS
HE3	DY 159	DY 160	HO 160	HO 161	HO 162	ER 162	ER 163	TM 165	TM 166	HF 171
		-69.1540	-69.6730	-66.3700	-67.2500	-66.0220	-65.1430	-62.8700	-61.8760	UNKNOWN
		1.5793	8.4307	5.8442	10.7112	13.4052	11.3866	7.1987	8.9826	
		0.0943	0.0955	1.0040	0.1030	1.0040	1.0040	0.1006	0.0966	MASS
HE4	DY 158	DY 159	HO 159	HO 160	HO 161	ER 161	ER 162	TM 164	TM 165	HF 170
		-70.3740	-69.1540	-67.3500	-66.3700	-67.2500	-65.2500	-61.9050	-62.8700	UNKNOWN
		-12.8282	-6.2868	-5.8192	-4.5023	-1.6682		-8.3998	-6.1879	
		1.0040	1.0040	0.1924	0.0946	1.0040	MASS	MASS	0.1582	MASS
HE6	DY 156	DY 157	HO 157	HO 158	HO 159	ER 159	ER 160	TM 162	TM 163	HF 168
		-71.1400	-69.6100	-70.8600	-66.3300	-67.3500	UNKNOWN	UNKNOWN	-61.4800	UNKNOWN
		-10.3684	-1.6780	-3.5594	3.0515	3.6456	1.8229	-11.6636	-0.4081	-23.7284
		1.0040	0.0922	1.0040	0.0943	0.0955	1.0040	0.1030	0.0924	1.0140
LI6	TB 156	TB 157	DY 157	DY 158	DY 159	HO 159	HO 160	ER 162	ER 163	LU 168
		-70.0900	-70.7090	-69.6100	-70.3740	-69.1540	-67.3500	-66.3700	-65.1430	-56.7300

68 ER 164

MASS EXCESS -65.8670 +/- 0.0400 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12					
OUTGOING																
GAMMA	ER 164		6.6444	4.2920	9.1449	11.2040	9.4843	-2.1122	5.3414	6.6603						
			0.0452	0.0532	0.0525	0.0500	1.0008	0.1552	0.0721	1.0008	MASS					
			ER 165	TM 165	TM 166	TM 167	YB 167	YB 168	LU 170	LU 171	W 176					
			-64.4400	-62.8700	-61.8760	-62.1210	-60.4200	-61.3300	-57.1200	-57.6200	UNKNOWN					
N	ER 163	ER 164		-4.7444	2.0675	2.8875	2.6129	-11.0937	-2.0600	-1.9111						
				0.0452	0.0602	0.0532	0.0525	0.1077	1.0008	1.0008	0.0721	MASS				
				TM 164	TM 165	TM 166	YB 166	YB 167	LU 169	LU 170	W 175					
			-65.1430	-61.9050	-62.8700	-61.8760	-61.6200	-60.4200	-57.7900	-57.1200	UNKNOWN					
P	HO 163	HO 164	ER 164		4.4199	6.7120	3.6514	-8.6102	0.9824	2.2813						
					0.0452	0.0552	0.0483	0.0525	0.0500	1.0008	0.0721	MASS				
					ER 165	ER 166	TM 166	TM 167	YB 169	YB 170	TA 175					
				-66.3530	-64.8400	-64.9180	-61.8760	-62.1210	-60.0500	-60.5300	UNKNOWN					
D	HO 162	HO 163	ER 163	ER 164		0.3870	-1.2016	-14.7022	-3.5845	-4.0456						
						0.0532	0.0452	0.0483	0.0525	0.1552	1.0008	MASS				
						TM 165	TM 166	YB 168	YB 169	TA 174						
					-66.0220	-66.3530	-65.1430	-64.4400	-62.8700	-61.8760	-61.3300	-60.0500	UNKNOWN			
T	HO 161	HO 162	ER 162	ER 163	ER 164		-3.9806	-15.5222	-6.3085	-4.5796						
							1.0008	0.0532	0.0985	0.0452	0.0602	0.0532	1.0008	0.1552	MASS	
							TM 165	TM 166	YB 167	YB 168	YB 169	TA 173				
						-67.2500	-66.0220	-66.3700	-65.1430	-61.9050	-62.8700	-60.4200	-61.3300	UNKNOWN		
HE3	DY 161	DY 162	HO 162	HO 163	HO 164		-1.0084	-13.9336	-4.5889	-4.6250						
							0.0439	0.0439	0.0532	0.0452	0.0552	0.0452	0.0500	0.0617	MASS	
							ER 164	ER 165	TM 167	TM 168	HF 173					
						-68.0490	-68.1820	-66.0220	-66.3530	-64.8400	-64.4400	-62.1210	-61.2660	UNKNOWN		
HE4	DY 160	DY 161	HO 161	HO 162	HO 163		11.7826		7.6727	8.7366						
							1.3813	7.8287	6.2472	10.8662	13.0112	0.0452	0.0525	0.0500	MASS	
							0.0443	0.0439	1.0008	0.0532	0.0452	0.0452	0.0525	0.0500	HF 172	
						-69.6730	-68.0490	-67.2500	-66.0220	-66.3530	-65.1430	-61.8760	-62.1210	UNKNOWN		
HE6	DY 158	DY 159	HO 159	HO 160	HO 161		-3.2839	-14.6704	-7.4718	-5.6879						
							0.0490	0.0514	1.0008	0.0642	1.0008	1.0008	0.0986	0.0604	0.0533	MASS
							ER 161	ER 162	TM 164	TM 165	HF 170					
						-70.3740	-69.1540	-67.3500	-66.3700	-67.2500	-65.2500	-66.3700	-61.9050	-62.8700	UNKNOWN	
LI6	TB 158	TB 159	DY 159	DY 160	DY 161		2.2259	-11.5086		-0.6081	-22.8354					
							10.5274	-2.3500	-3.5124	2.8535	3.0436	2.2259	1.0008	0.0532	0.0452	0.0721
							0.0483	0.0467	0.0512	0.0443	0.0439	0.0439	1.0008	0.0532	0.0452	0.0721
						-69.4280	-69.5340	-69.1540	-69.6730	-68.0490	-67.2500	-66.0220	-64.4400	-57.1200		

68 ER 164

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68 ER 166

MASS EXCESS -64.9180 +/- 0.0270 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.4384	4.4920	9.4839	11.2810	10.0633	-1.9632	5.7504	6.9893	
			0.0382	0.0404	0.0542	0.0419	1.0004	0.0658	1.0004	0.0750	MASS
GAMMA	ER 166	ER 167	TM 167	TM 168	TM 169	YB 169	YB 170	LU 172	LU 173		W 178
		-63.2850	-62.1210	-61.2660	-61.2490	-60.0500	-60.5300	-56.5800	-57.0000		UNKNOWN
		-8.5494		-3.8245	2.2675	3.2265	3.2719	-10.5147	-1.2810	-1.5021	
		0.0342		0.0434	0.0404	0.0542	0.1524	1.0004	1.0004	1.0004	MASS
N	ER 165	ER 166	TM 166	TM 167	TM 168	YB 168	YB 169	LU 171	LU 172		W 177
		-64.4400	-61.8760	-62.1210	-61.2660	-61.3300	-60.0500	-57.6200	-56.5800		UNKNOWN
		-7.3960	-1.0645		4.2139	5.7260	3.9903	-8.5332	1.1014	1.9803	-20.6450
		0.0336	0.0385		0.0382	0.0404	0.0542	0.0419	0.0750	0.0750	0.0750
P	HO 165	HO 166	ER 166	ER 167	ER 168	TM 168	TM 169	YB 171	YB 172		TA 177
		-64.8110	-63.0710		-63.2850	-62.9830	-61.2660	-61.2490	-59.2200	-59.2800	-51.5620
		-13.2139	-5.1715	-6.3249		0.1810	-1.0016	-14.3632	-3.4355	-3.9266	
		0.0466	0.0336	0.0342		0.0382	0.0404	0.0542	0.0658	0.0750	MASS
D	HO 164	HO 165	ER 165	ER 166	ER 167	TM 167	TM 168	YB 170	YB 171		TA 176
		-64.8400	-64.8110	-64.4400		-63.2850	-62.1210	-61.2660	-60.5300	-59.2200	UNKNOWN
		-13.5149	-6.9565	-6.7120	-2.2920		-3.0606	-15.3222	-5.7295	-4.4306	
		0.0342	0.0466	0.0483	0.0342		0.0434	0.0404	1.0004	0.0658	MASS
T	HO 163	HO 164	ER 164	ER 165	ER 166	TM 166	TM 167	YB 169	YB 170		TA 175
		-66.3530	-64.8400	-65.8670	-64.4400		-61.8760	-62.1210	-60.0500	-60.5300	UNKNOWN
		-13.4863	-5.8289	-7.7203	-1.9024	-1.8284		-14.1396	-4.5119	-5.3820	-25.1493
		0.0325	0.0325	0.0466	0.0336	0.0389		0.0382	0.0419	0.0658	0.0658
HE3	DY 163	DY 164	HO 164	HO 165	HO 166	ER 166	ER 167	TM 169	TM 170		HF 175
		-66.3630	-65.9490	-64.8400	-64.8110	-63.0710		-63.2850	-61.2490	-59.5600	-54.7000
		0.8393	7.0917	6.2992	10.6332	12.4182	12.0286		8.0117	8.8135	-11.7927
		0.0325	0.0325	0.0342	0.0466	0.0336	0.0342		0.0542	0.0419	0.0750
HE4	DY 162	DY 163	HO 163	HO 164	HO 165	HO 166	ER 165	ER 166	TM 168	TM 169	HF 174
		-68.1820	-66.3630	-66.3530	-64.8400	-64.8110	-64.4400		-61.2660	-61.2490	-55.5500
		-12.8432	-6.3958	-7.9772	-3.3583	-1.2133	-2.4419	-14.2245	-6.5518	-5.4879	
		0.0333	0.0327	1.0004	0.0444	0.0344	0.0344	0.0484	0.0436	0.0406	MASS
HE6	DY 160	DY 161	HO 161	HO 162	HO 163	ER 163	ER 164	TM 166	TM 167		HF 172
		-69.6730	-68.0490	-67.2500	-66.0220	-66.3530	-65.1430	-65.8670	-61.8760	-62.1210	UNKNOWN
		-11.1604	-3.4700	-3.6684	2.3115	2.3066	2.2779	-11.7416		-0.8141	-22.4264
		0.0330	0.0330	0.0325	0.0325	0.0325	0.0342	0.0466		0.0382	1.0004
LI6	TB 160	TB 161	DY 161	DY 162	DY 163	HO 163	HO 164	ER 166	ER 167		LU 172
		-67.8460	-67.4650	-68.0490	-68.1820	-66.3630	-66.3530	-64.8400	-63.2850		-56.5800

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.7694	5.2700	11.0999	11.2250	12.1763	-1.6402	7.8034	7.1823	
		0.0404	0.0542	0.0419	0.0658	0.0658	0.0750	0.0750	0.0750	MASS
GAMMA	ER 167	ER 168	TM 168	TM 169	TM 170	YB 170	YB 171	LU 173	LU 174	W 179
		-62.9830	-61.2660	-61.2490	-59.5600	-60.5300	-59.2200	-57.0000	-55.5600	UNKNOWN
		-6.4384	-1.9464	3.0455	4.8425	3.6249	-8.4017	-0.6880	0.5509	
		0.0382	0.0404	0.0542	0.0419	1.0004	0.0658	1.0004	0.0750	MASS
N	ER 166	ER 167	TM 167	TM 168	TM 169	YB 169	YB 170	LU 172	LU 173	W 178
		-64.9180	-62.1210	-61.2660	-61.2490	-60.0500	-60.5300	-56.5800	-57.0000	UNKNOWN
		-7.5030	-0.2225	5.5449	5.2850	5.6064	-8.5892	2.7944	2.0233	-20.2140
		0.0389	0.1036	0.0404	0.0419	0.0419	0.0658	0.0750	0.0658	0.1230
P	HO 166	HO 167	ER 167	ER 168	ER 169	TM 169	TM 170	YB 172	YB 173	TA 178
		-63.0710	-62.2800	-62.9830	-60.9090	-61.2490	-59.5600	-59.2800	-57.6900	-50.3600
		-11.6099	-5.2785	-4.2139	1.5120	-0.2236	-12.7472	-3.1125	-2.2336	-24.8589
		0.0336	0.0389	0.0382	0.0404	0.0542	0.0419	0.0750	0.0750	0.0750
D	HO 165	HO 166	ER 166	ER 167	ER 168	TM 168	TM 169	YB 171	YB 172	TA 177
		-64.8110	-63.0710	-64.9180	-62.9830	-61.2660	-61.2490	-59.2200	-59.2800	-51.5620
		-13.3949	-5.3525	-6.5060	-0.1810	-1.1826	-14.5442	-3.6165	-4.1076	
		0.0466	0.0336	0.0342	0.0382	0.0404	0.0542	0.0658	0.0750	MASS
T	HO 164	HO 165	ER 165	ER 166	ER 167	TM 167	TM 168	YB 170	YB 171	TA 176
		-64.8400	-64.8110	-64.4400	-64.9180	-62.1210	-61.2660	-60.5300	-59.2200	UNKNOWN
		-12.2673	-6.6329	-6.1163	-2.0094	-0.9864	-12.8086	-4.5679	-4.1890	-23.7863
		0.0325	0.0330	0.0336	0.0389	0.1036	0.0404	0.0658	0.0750	0.0568
HE3	DY 164	DY 165	HO 165	HO 166	HO 167	ER 167	ER 168	TM 170	TM 171	HF 176
		-65.9490	-63.5120	-64.8110	-63.0710	-62.2800	-62.9830	-59.5600	-59.1200	-54.4300
		0.6533	8.3107	6.4192	12.2372	12.3112	14.1396	9.6277	8.7576	-11.0097
		0.0325	0.0325	0.0466	0.0336	0.0389	0.0382	0.0419	0.0658	0.0658
HE4	DY 163	DY 164	HO 164	HO 165	HO 166	ER 166	ER 167	TM 169	TM 170	HF 175
		-66.3630	-65.9490	-64.8400	-64.8110	-63.0710	-64.9180	-61.2490	-59.5600	-54.7000
		-12.8342	-4.6298	-7.5722	-1.3943	-1.0932	-0.0849	-14.0184	-4.6738	-4.7099
		0.0327	0.0327	0.0444	0.0344	0.0468	0.0484	0.0344	0.0406	0.0544
HE6	DY 161	DY 162	HO 162	HO 163	HO 164	ER 164	ER 165	TM 167	TM 168	MASS
		-68.0490	-68.1820	-66.0220	-66.3530	-64.8400	-65.8670	-64.4400	-62.1210	-61.2660
		-9.9084	-3.9220	-1.9024	2.1255	3.5256	2.3979	-10.1376	0.5169	-20.3734
		0.0330	1.0004	0.0325	0.0325	0.0325	0.0466	0.0336	0.0404	0.0750
LI6	TB 161	TB 162	DY 162	DY 163	DY 164	HO 164	HO 165	ER 167	ER 168	LU 173
		-67.4650	-65.3800	-68.1820	-66.3630	-65.9490	-64.8400	-64.8110	-62.9830	-57.0000

68 ER 168

MASS EXCESS -62.9830 +/- 0.0300 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.5974	5.5550	9.7129	11.0870	11.1683	-1.2782	6.6654	7.2143	-13.6180
		0.0439	0.0439	0.0671	0.0762	0.0762	0.0762	0.0762	0.0583	0.0575
GAMMA	ER 168	ER 169	TM 169	TM 170	TM 171	YB 171	YB 172	LU 174	LU 175	W 180
		-60.9090	-61.2490	-59.5600	-59.1200	-59.2200	-59.2800	-55.5600	-55.2900	-49.3650
		-7.7694	-2.4994	3.3305	3.4555	4.4069	-9.4097	0.0340	-0.5871	
		0.0404	0.0558	0.0439	0.0671	0.0671	0.0762	0.0762	0.0762	MASS
N	ER 167	ER 168	TM 168	TM 169	TM 170	YB 170	YB 171	LU 173	LU 174	W 179
		-63.2850	-61.2660	-61.2490	-59.5600	-60.5300	-59.2200	-57.0000	-55.5600	UNKNCWN
		-7.9920	-2.5205	3.7729	4.6980	4.2194	-8.7272	1.5064	1.6953	-20.1220
		0.1044	0.1044	0.0439	0.0762	0.0671	0.0762	0.0671	0.0671	0.0854
P	HO 167	HO 168	ER 168	ER 169	ER 170	TM 170	TM 171	YB 173	YB 174	TA 179
		-62.2800	-59.6800	-60.9090	-60.0200	-59.5600	-59.1200	-57.6900	-57.0600	-50.1500
		-13.0479	-5.7675	-5.5449	-0.2600	0.0614	-14.1342	-2.7505	-3.5216	-25.7589
		0.0410	0.1044	0.0404	0.0439	0.0439	0.0671	0.0762	0.0671	0.1237
D	HO 166	HO 167	ER 167	ER 168	ER 169	TM 169	TM 170	YB 172	YB 173	TA 178
		-63.0710	-62.2800	-63.2850	-60.9090	-61.2490	-59.5600	-59.2800	-57.6900	-50.3600
		-13.1219	-6.7905	-5.7260	-1.5120	-1.7356	-14.2592	-4.6245	-3.7456	-26.3709
		0.0361	0.0410	0.0404	0.0404	0.0558	0.0439	0.0762	0.0762	0.0762
T	HO 165	HO 166	ER 166	ER 167	ER 168	TM 168	TM 169	YB 171	YB 172	TA 177
		-64.8110	-63.0710	-64.9180	-63.2850	-61.2660	-61.2490	-59.2200	-59.2800	-51.5620
		-14.4023	-7.2539	-7.5543	-2.4984	-3.2844	-14.5806	-4.7059	-5.6070	-25.1943
		0.0355	0.0410	0.0410	0.1044	0.1044	0.0439	0.0762	0.0762	0.0762
HE3	DY 165	DY 166	HO 166	HO 167	HO 168	ER 168	ER 169	TM 171	TM 172	HF 177
		-63.5120	-62.5890	-63.0710	-62.2800	-59.6800	-60.9090	-59.1200	-57.4000	-52.7200
		0.5413	6.1757	6.6922	10.7992	11.8222	12.8086	8.2407	8.6196	-10.9777
		0.0350	0.0355	0.0361	0.0410	0.1044	0.0404	0.0671	0.0762	0.0583
HE4	DY 164	DY 165	HO 165	HO 166	HO 167	ER 167	ER 168	TM 170	TM 171	HF 176
		-65.9490	-63.5120	-64.8110	-63.0710	-62.2800	-63.2850	-59.5600	-59.1200	-54.4300
		-12.3992	-6.1468	-6.9392	-2.6053	-0.8202	-1.2099	-13.2384	-5.2268	-4.4249
		0.0352	0.0352	0.0368	0.0486	0.0363	0.0368	0.0406	0.0559	0.0441
HE6	DY 162	DY 163	HO 163	HO 164	HO 165	ER 165	ER 166	TM 168	TM 169	HF 174
		-68.1820	-66.3630	-66.3530	-64.8400	-64.8110	-64.4400	-64.9180	-61.2660	-61.2490
		-11.6914	-4.3200	-3.4194	2.0135	1.3906	2.6709	-11.5756	-1.2551	-21.5114
		1.0005	0.0583	0.0350	0.0350	0.0355	0.0361	0.0411	0.0439	0.0762
LI6	TB 162	TB 163	DY 163	DY 164	DY 165	HO 165	HO 166	ER 168	ER 169	LU 174
		-65.3800	-64.6800	-66.3630	-65.9490	-63.5120	-64.8110	-63.0710	-60.9090	-55.5600

68 ER 170

MASS EXCESS -60.0200 +/- 0.0700 MEV

68 ER 170

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			5.6814	6.3890	10.5159	11.3000	12.6013	-0.5352	7.4784	7.1173	-11.8640
			0.0990	0.0990	0.0990	0.0990	0.0922	0.0922	0.0860	0.0990	0.0796
GAMMA	ER 170	ER 171	TM 171	TM 172	TM 173	YB 173	YB 174	LU 176	LU 177	W 182	
		-57.6300	-59.1200	-57.4000	-56.3700	-57.6900	-57.0600	-53.4100	-52.2300	-48.1560	
		-7.1824		-1.2424	4.1645	4.2585	6.1199	-7.9767	1.2870	0.2259	-19.8514
		0.0770		0.0922	0.0990	0.0990	0.0990	0.0922	0.0860	0.0860	0.0827
N	ER 169	ER 170	TM 170	TM 171	TM 172	YB 172	YB 173	LU 175	LU 176	W 181	
		-60.9090	-59.5600	-59.1200	-57.4000	-59.2800	-57.6900	-55.2900	-53.4100	-48.2400	
		-8.4990	-3.4175		3.4569	4.1510	5.0224	-8.5142	1.5994	0.9883	-18.8790
		0.1221	0.1389		0.0990	0.0990	0.0990	0.0990	0.0860	0.0990	0.0801
P	HO 169	HO 170	ER 170	ER 171	ER 172	TM 172	TM 173	YB 175	YB 176	TA 181	
		-58.8100	-55.8200	-57.6300	-56.5100	-57.4000	-56.3700	-54.8200	-53.3900	-48.4300	
		-13.4759	-6.2745	-4.9579		-0.5760	0.8954	-13.3312	-2.0075	-3.4286	-24.2939
		0.1221	0.1221	0.0770		0.0990	0.0990	0.0990	0.0922	0.0860	0.0832
D	HO 168	HO 169	ER 169	ER 170	ER 171	TM 171	TM 172	YB 174	YB 175	TA 180	
		-59.6800	-58.8100	-60.9090	-57.6300	-59.1200	-57.4000	-57.0600	-54.8200	-48.8620	
		-12.6899	-7.2185	-4.6980	-0.9250		-0.4786	-13.4252	-3.1915	-3.0026	-24.8199
		0.1221	0.1221	0.0762	0.0770		0.0922	0.0990	0.0922	0.0922	0.1063
T	HO 167	HO 168	ER 168	ER 169	ER 170	TM 170	TM 171	YB 173	YB 174	TA 179	
		-62.2800	-59.6800	-62.9830	-60.9090	-59.5600	-59.1200	-57.6900	-57.0600	-50.1500	
				-7.9823	-3.0054	-4.1814		-14.8966	-4.4929	-5.9840	-24.6813
				0.1221	0.1221	0.1389		0.0990	0.0990	0.1389	0.1063
HE3	MASS DY 167 UNKNOWN	MASS DY 168 UNKNOWN	HO 168	HO 169	HO 170	ER 170	ER 171	TM 173	TM 174	HF 179	
			-59.6800	-58.8100	-55.8200		-57.6300	-56.3700	-54.0600	-50.2700	
		0.1443		7.1242	10.3712	11.3152	13.3956		9.0437	8.8326	-10.1747
		0.0754	MASS	0.1221	0.1221	0.1221	0.0770		0.0990	0.0990	0.0990
HE4	DY 166	DY 167	HO 167	HO 168	HO 169	ER 169	ER 170	TM 172	TM 173	HF 178	
		-62.5890	UNKNOWN	-62.2800	-59.6800	-58.8100	-60.9090	-57.4000	-56.3700	-52.2700	
		-11.6692	-6.0348	-5.5182	-1.4113	-0.3882	0.5981	-12.2104	-3.9698	-3.5909	-23.1882
		0.0724	0.0726	0.0729	0.0755	0.1221	0.0751	0.0763	0.0923	0.0991	0.0861
HE6	DY 164	DY 165	HO 165	HO 166	HO 167	ER 167	ER 168	TM 170	TM 171	HF 176	
		-65.9490	-63.5120	-64.8110	-63.0710	-62.2800	-63.2850	-62.9830	-59.5600	-59.1200	-54.4300
		-11.9584		-3.3074	1.6165		3.1029	-12.0036		-1.5711	-20.6984
		1.0024	MASS	0.0725	0.0754	MASS	0.1221	0.1221		0.0990	0.0860
LI6	TB 164	TB 165	DY 165	DY 166	DY 167	HO 167	HO 168	ER 170	ER 171	LU 176	
		-62.1500	UNKNOWN	-63.5120	-62.5890	UNKNOWN	-62.2800	-59.6800	-57.6300	-53.4100	

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69 TM 169

MASS EXCESS -61.2490 +/- 0.0320 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.3824	6.5700	11.1069	12.9810	10.2623	-1.8242	7.5394	8.0883	
		0.0680	0.0680	0.0770	0.0770	1.0005	0.0770	0.0680	0.0594	MASS
GAMMA	TM 169	TM 170	YB 170	YB 171	YB 172	LU 172	LU 173	HF 175	HF 176	RE 181
		-59.5600	-60.5300	-59.2200	-59.2800	-56.5800	-57.0000	-54.7000	-54.4300	UNKNOWN
		-8.0544	-1.9814	4.3455	4.8495	3.2309	-10.3157	0.3180	0.2869	
		0.0569	1.0005	0.0680	0.0770	1.0005	1.0005	0.0770	0.0680	MASS
N	TM 168	TM 169	YB 169	YB 170	YB 171	LU 171	LU 172	HF 174	HF 175	RE 180
		-61.2660	-60.0500	-60.5300	-59.2200	-57.6200	-56.5800	-55.5500	-54.7000	UNKNOWN
		-5.5550	0.4425	4.1579	5.5320	5.6133	-6.8332	1.1104	1.6593	-19.1730
		0.0439	0.0453	0.0680	0.0770	0.0770	0.0770	0.0770	0.0594	0.0585
P	ER 168	ER 169	TM 169	TM 170	TM 171	YB 171	YB 172	LU 174	LU 175	W 180
		-62.9830	-60.9090	-59.5600	-59.1200	-59.2200	-59.2800	-55.5600	-55.2900	-49.3650
		-11.0999	-3.3305	-5.8299	0.1250	1.0764	-12.7402	-3.2965	-3.9176	
		0.0419	0.0439	0.0569	0.0680	0.0680	0.0770	0.0770	0.0770	MASS
D	ER 167	ER 168	TM 168	TM 169	TM 170	YB 170	YB 171	LU 173	LU 174	W 179
		-63.2850	-62.9830	-61.2660	-59.5600	-60.5300	-59.2200	-57.0000	-55.5600	UNKNOWN
		-11.2809	-4.8425	-6.7890	-1.7970	-1.2176	-13.2442	-5.5305	-4.2916	
		0.0419	0.0419	0.0439	0.0569	1.0005	0.0680	1.0005	0.0770	MASS
T	ER 166	ER 167	TM 167	TM 168	TM 169	YB 169	YB 170	LU 172	LU 173	W 178
		-64.9180	-63.2850	-62.1210	-61.2660	-60.0500	-60.5300	-56.5800	-57.0000	UNKNOWN
		-13.1093	-5.8289	-5.6063	-0.0614	-0.3214	-14.1956	-2.8119	-3.5830	-25.8203
		0.0425	0.1050	0.0419	0.0439	0.0453	0.0680	0.0770	0.0680	0.1242
HE3	HO 166	HO 167	ER 167	ER 168	ER 169	TM 169	TM 170	YB 172	YB 173	TA 178
		-63.0710	-62.2800	-63.2850	-62.9830	-60.9090	-59.5600	-59.2800	-57.6900	-50.3600
		1.1372	7.4687	8.5332	12.7472	14.2592	12.5236	9.6347	10.5136	-12.1118
		0.0377	0.0425	0.0419	0.0419	0.0439	0.0569	0.0770	0.0770	0.0770
HE4	HO 165	HO 166	ER 166	ER 167	ER 168	TM 168	TM 169	YB 171	YB 172	TA 177
		-64.8110	-63.0710	-64.9180	-63.2850	-62.9830	-61.2660	-59.2200	-59.2800	-51.5620
		-12.4942	-5.9358	-5.6912	-1.2713	1.0208	-2.0399	-14.3014	-4.7088	-3.4099
		0.0385	0.0498	0.0514	0.0385	0.0421	0.0469	0.0440	1.0005	0.0681
HE6	HO 163	HO 164	ER 164	ER 165	ER 166	TM 166	TM 167	YB 169	YB 170	TA 175
		-66.3530	-64.8400	-65.8670	-64.4400	-64.9180	-61.8760	-62.1210	-60.0500	-60.5300
		-8.9744	-1.3170	-3.2084	2.6095	2.6836	4.5119	-9.6276	-0.8701	-20.6374
		0.0367	0.0367	0.0497	0.0378	0.0425	0.0419	0.0419	0.0680	0.0680
LI6	DY 163	DY 164	HO 164	HO 165	HO 166	ER 166	ER 167	TM 169	TM 170	HF 175
		-66.3630	-65.9490	-64.8400	-64.8110	-63.0710	-64.9180	-63.2850	-59.5600	-54.7000

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69 TM 169

70 YB 168

MASS EXCESS -61.3300 +/- 0.1500 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			6.7914	3.7490	8.9259	11.2400					
		1.0112		1.0112	0.1616	1.0112	MASS	MASS	MASS	MASS	MASS
GAMMA	YB 168	YB 169	LU 169	LU 170	LU 171	LU 171	HF 171	HF 172	TA 174	TA 175	OS 180
		-60.0500	-57.7900	-57.1200	-57.6200		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-8.9814		-5.3824	1.5245	2.6685					
		1.0112		1.0211	1.0112	0.1616	MASS	MASS	MASS	MASS	MASS
N	YB 167	YB 168	LU 168	LU 169	LU 170	LU 170	HF 170	HF 171	TA 173	TA 174	OS 179
		-60.4200	-56.7300	-57.7900	-57.1200		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-6.4980	0.7185		4.5669	6.8610	3.4324	-8.5742		1.8383	
		0.1530	0.1572		1.0112	0.1616	0.1616	1.0112	MASS	0.1655	MASS
P	TM 167	TM 168	YB 168	YB 169	YB 170	YB 170	LU 170	LU 171	HF 173	HF 174	RE 179
		-62.1210	-61.2660	-60.0500	-60.5300		-57.1200	-57.6200	UNKNOWN	-55.5500	UNKNOWN
		-12.5899	-4.2735	-6.7569		0.5340	-1.7446	-14.9212			
		0.1538	0.1530	1.0112		1.0112	1.0112	0.1616	MASS	MASS	MASS
D	TM 166	TM 167	YB 167	YB 168	YB 169	YB 169	LU 169	LU 170	HF 172	HF 173	RE 178
		-61.8760	-62.1210	-60.4200		-60.0500	-57.7900	-57.1200	UNKNOWN	UNKNOWN	UNKNOWN
		-13.4099	-6.3325	-7.3710	-2.7240		-4.6186	-16.0652			
		0.1540	0.1538	0.1803	1.0112		1.0211	1.0112	MASS	MASS	MASS
T	TM 165	TM 166	YB 166	YB 167	YB 168	YB 168	LU 168	LU 169	HF 171	HF 172	RE 177
		-62.8700	-61.8760	-61.6200	-60.4200		-56.7300	-57.7900	UNKNOWN	UNKNOWN	UNKNOWN
		-11.8213	-3.2719	-7.0963	-1.0044	-0.0454		-13.7866	-4.5529	-4.7740	
		0.1515	0.1524	0.1538	0.1530	0.1572		1.0112	1.0112	1.0112	MASS
HE3	ER 165	ER 166	TM 166	TM 167	TM 168	TM 168	YB 168	YB 169	LU 171	LU 172	W 177
		-64.4400	-64.9180	-61.8760	-62.1210	-61.2660		-60.0500	-57.6200	-56.5800	UNKNOWN
		2.1122	8.7567	6.4042	11.2572	13.3162	11.5966		7.4537	8.7726	
		0.1552	0.1515	0.1540	0.1538	0.1530	1.0112		0.1616	1.0112	MASS
HE4	ER 164	ER 165	TM 165	TM 166	TM 167	TM 167	YB 167	YB 168	LU 170	LU 171	W 176
		-65.8670	-64.4400	-62.8700	-61.8760	-62.1210	-60.4200		-57.1200	-57.6200	UNKNOWN
		-12.5582	-5.7138	-8.7662	-3.8873	-1.1082	-3.8569	-14.8834	-8.1098	-6.2309	
		0.1750	0.1515	0.1545	0.1567	0.1541	1.4180	0.1803	1.0211	1.0112	MASS
HE6	ER 162	ER 163	TM 163	TM 164	TM 165	TM 165	YB 165	YB 166	LU 168	LU 169	LU 174
		-66.3700	-65.1430	-62.8730	-61.9050	-62.8700	-60.1400	-61.6200	-56.7300	-57.7900	UNKNOWN
		-9.3964	-0.9940	-2.9864	3.5845	3.9715	2.3829	-11.1176		-0.4611	
		0.1540	0.1515	0.1515	0.1552	0.1515	0.1540	0.1538		1.0112	MASS
LI6	HO 162	HO 163	ER 163	ER 164	ER 165	ER 165	TM 165	TM 166	YB 168	YB 169	TA 174
		-66.0220	-66.3530	-65.1430	-65.8670	-64.4400	-62.8700	-61.8760		-60.0500	UNKNOWN

70 Yb 168

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70 YB 170

MASS EXCESS -60.5300 +/- 0.0600 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.7614	4.3790	9.1859	11.4200		-2.5552		5.9393	
		0.0922	1.0018	1.0018	0.0922	MASS	0.0922	MASS	0.0922	MASS
GAMMA	YB 170	YB 171	LU 171	LU 172	LU 173	HF 173	HF 174	TA 176	TA 177	OS 182
		-59.2200	-57.6200	-56.5800	-57.0000	UNKNOWN	-55.5500	UNKNOWN	-51.5620	UNKNOWN
		-8.5514	-4.1925	2.1545	2.9285					
		1.0018	0.0849	1.0018	1.0018	MASS	MASS	MASS	MASS	MASS
N	YB 169	YB 170	LU 170	LU 171	LU 172	HF 172	HF 173	TA 175	TA 176	OS 181
		-60.0500	-57.1200	-57.6200	-56.5800	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-6.5700	-0.1876	4.5369	6.4110	3.6923	-8.3942	0.9694	1.5183	
		0.0680	0.0849	0.0922	0.0922	1.0018	0.0922	0.0849	0.0781	MASS
P	TM 169	TM 170	YB 170	YB 171	YB 172	LU 172	LU 173	HF 175	HF 176	RE 181
		-61.2490	-59.5600	-59.2200	-59.2800	-56.5800	-57.0000	-54.7000	-54.4300	UNKNOWN
		-12.3999	-4.3455	-6.3269	0.5040	-1.1146	-14.6612	-4.0275	-4.0586	
		0.0762	0.0680	1.0018	0.0922	1.0018	1.0018	0.0922	0.0849	MASS
D	TM 168	TM 169	YB 169	YB 170	YB 171	LU 171	LU 172	HF 174	HF 175	RE 180
		-61.2660	-61.2490	-60.0500	-59.2200	-57.6200	-56.5800	-55.5500	-54.7000	UNKNOWN
		-13.3590	-6.1425	-6.8610	-2.2940	-3.4286	-15.4352		-5.0226	
		0.0671	0.0762	0.1616	1.0018	0.0849	1.0018	MASS	0.0922	MASS
T	TM 167	TM 168	YB 168	YB 169	YB 170	LU 170	LU 171	HF 173	HF 174	RE 179
		-62.1210	-61.2660	-61.3300	-60.0500	-57.1200	-57.6200	UNKNOWN	-55.5500	UNKNOWN
		-12.1763	-4.4069	-6.9064	-1.0764	-0.9514	-13.8166	-4.3729	-4.9940	
		0.0658	0.0671	0.0762	0.0680	0.0849	0.0922	0.0922	0.0922	MASS
HE3	ER 167	ER 168	TM 168	TM 169	TM 170	YB 170	YB 171	LU 173	LU 174	W 179
		-63.2850	-62.9830	-61.2660	-61.2490	-59.5600	-59.2200	-57.0000	-55.5600	UNKNOWN
		1.9633	8.4017	6.4552	11.4472	13.2442	12.0266	7.7137	8.9525	
		0.0658	0.0658	0.0671	0.0762	0.0680	1.0018	1.0018	0.0922	MASS
HE4	ER 166	ER 167	TM 167	TM 168	TM 169	YB 169	YB 170	LU 172	LU 173	W 178
		-64.9180	-63.2850	-62.1210	-61.2660	-61.2490	-60.0500	-56.5800	-57.0000	UNKNOWN
		-12.2612	-5.6168	-7.9692	-3.1163	-1.0573	-2.7769	-14.3734	-6.9198	-5.6009
		0.0722	0.0637	0.0696	0.0691	0.0672	1.0018	0.1616	0.0850	1.0018
HE6	ER 164	ER 165	TM 165	TM 166	TM 167	YB 167	YB 168	LU 170	LU 171	W 176
		-65.8670	-64.4400	-62.8700	-61.8760	-62.1210	-60.4200	-61.3300	-57.1200	-57.6200
		-9.7784	-1.7360	-2.8894	3.4355	3.6165	2.4339	-10.9276	-0.4911	
		0.0710	0.0633	0.0636	0.0658	0.0658	0.0671	0.0762	0.0922	MASS
LI6	HO 164	HO 165	ER 165	ER 166	ER 167	TM 167	TM 168	YB 170	YB 171	TA 176
		-64.8400	-64.8110	-64.4400	-64.9180	-63.2850	-62.1210	-61.2660	-59.2200	UNKNOWN

70 YB 171

MASS EXCESS -59.2200 +/- 0.0700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.1314	4.6490	10.9159	11.2900	11.2613	-2.0952	6.4304	6.0473	
		0.0990	1.0024	0.0990	0.0990	0.0990	0.0922	0.0990	0.1389	MASS
GAMMA	YB 171	YB 172	LU 172	LU 173	LU 174	HF 174	HF 175	TA 177	TA 178	OS 183
		-59.2800	-56.5800	-57.0000	-55.5600	-55.5500	-54.7000	-51.5620	-50.3600	UNKNOWN
		-6.7614	-2.3824	2.4245	4.6585		-9.3167		-0.8221	
		0.0922	1.0024	1.0024	0.0990	MASS	0.0990	MASS	0.0990	MASS
N	YB 170	YB 171	LU 171	LU 172	LU 173	HF 173	HF 174	TA 176	TA 177	OS 182
		-60.5300	-57.6200	-56.5800	-57.0000	UNKNOWN	-55.5500	UNKNOWN	-51.5620	UNKNOWN
		-6.9490	0.6825	5.9069	6.1310	5.4224	-8.5242	2.0094	1.1183	-21.2130
		0.0922	0.0990	0.0990	0.0922	0.0990	0.0990	0.0860	0.0990	0.0822
P	TM 170	TM 171	YB 171	YB 172	YB 173	LU 173	LU 174	HF 176	HF 177	RE 182
		-59.5600	-59.1200	-59.2800	-57.6900	-57.0000	-55.5600	-54.4300	-52.7200	-45.2960
		-11.1069	-4.7245	-4.5369	1.8740	-0.8446	-12.9312	-3.5675	-3.0186	
		0.0770	0.0922	0.0922	0.0990	1.0024	0.0990	0.0922	0.0860	MASS
D	TM 169	TM 170	YB 170	YB 171	YB 172	LU 172	LU 173	HF 175	HF 176	RE 181
		-61.2490	-59.5600	-60.5300	-59.2800	-56.5800	-57.0000	-54.7000	-54.4300	UNKNOWN
		-12.9039	-4.8495	-6.8310	-0.5040	-1.6186	-15.1652	-4.5315	-4.5626	
		0.0843	0.0770	1.0024	0.0922	1.0024	1.0024	0.0990	0.0922	MASS
T	TM 168	TM 169	YB 169	YB 170	YB 171	LU 171	LU 172	HF 174	HF 175	RE 180
		-61.2660	-61.2490	-60.0500	-60.5300	-57.6200	-56.5800	-55.5500	-54.7000	UNKNOWN
		-11.1683	-5.1709	-5.6133	-1.4554	-0.0814	-12.4466	-4.5029	-3.9540	-24.7863
		0.0762	0.0770	0.0770	0.0922	0.0990	0.0990	0.0990	0.0860	0.0854
HE3	ER 163	ER 169	TM 169	TM 170	TM 171	YB 171	YB 172	LU 174	LU 175	W 180
		-62.9830	-60.9090	-61.2490	-59.5600	-59.1200	-59.2800	-55.5600	-55.2900	-49.3650
		1.6403	9.4097	6.9102	12.7402	12.8652	13.8166	9.4437	8.8226	
		0.0750	0.0762	0.0843	0.0770	0.0922	0.0922	0.0990	0.0990	MASS
HE4	ER 167	ER 168	TM 168	TM 169	TM 170	YB 170	YB 171	LU 173	LU 174	W 179
		-63.2850	-62.9830	-61.2660	-61.2490	-59.5600	-60.5300	-57.0000	-55.5600	UNKNOWN
		-12.3782	-3.8288	-7.6532	-1.5613	-0.6022	-0.5569	-14.3434	-5.1098	-5.3309
		0.0732	0.0751	0.0779	0.0763	0.0844	0.1656	1.0025	1.0025	1.0025
HE6	ER 165	ER 166	TM 166	TM 167	TM 168	YB 168	YB 169	LU 171	LU 172	MASS
		-64.4400	-64.9180	-61.8760	-62.1210	-61.2660	-61.3300	-60.0500	-57.6200	-56.5800
		-8.4974	-2.1660	-1.1014	3.1125	4.6246	2.8889	-9.6346	0.8789	-21.7464
		0.0728	0.0754	0.0750	0.0750	0.0762	0.0843	0.0770	0.0990	0.0990
LI6	HO 165	HO 166	ER 166	ER 167	ER 168	TM 168	TM 169	YB 171	YB 172	TA 177
		-64.8110	-63.0710	-64.9180	-63.2850	-62.9830	-61.2660	-61.2490	-59.2800	-51.5620

70 YB 171

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70 YB 172

MASS EXCESS -59.2800 +/- 0.0700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.4814	5.0090	9.4159	10.9599	10.3513	-2.4253	5.1684	5.7773	-15.2700
		0.0922	0.0990	0.0990	0.0860	0.0922	0.0860	0.1389	0.1063	0.0990
GAMMA	YB 172	YB 173	LU 173	LU 174	LU 175	HF 175	HF 176	TA 178	TA 179	OS 184
		-57.6900	-57.0000	-55.5600	-55.2900	-54.7000	-54.4300	-50.3600	-50.1500	-44.0100
		-8.1314	-3.4825	2.7845	3.1585	3.1299	-10.2267	-1.7010	-2.0841	
		0.0990	1.0024	0.0990	0.0990	0.0990	0.0922	0.0990	0.1389	MASS
N	YB 171	YB 172	LU 172	LU 173	LU 174	HF 174	HF 175	TA 177	TA 178	OS 183
		-59.2200	-56.5800	-57.0000	-55.5600	-55.5500	-54.7000	-51.5620	-50.3600	UNKNCWN
		-7.4490	-1.0975	4.2569	5.4410	3.9223	-8.8542	0.2394	0.6083	-21.1690
		0.0990	0.0990	0.0922	0.0922	0.0990	0.0860	0.0990	0.0990	1.0024
P	TM 171	TM 172	YB 172	YB 173	YB 174	LU 174	LU 175	HF 177	HF 178	RE 183
		-59.1200	-57.4000	-57.6900	-57.0600	-55.5600	-55.2900	-52.7200	-52.2700	-45.4000
		-12.8559	-5.2245	-5.9069	0.2240	-0.4846	-14.4312	-3.8975	-4.7886	-27.1199
		0.0922	0.0990	0.0990	0.0922	0.0990	0.0990	0.0860	0.0990	0.0822
D	TM 170	TM 171	YB 171	YB 172	YB 173	LU 173	LU 174	HF 176	HF 177	RE 182
		-59.5600	-59.1200	-59.2200	-57.6900	-57.0000	-55.5600	-54.4300	-52.7200	-45.2960
		-12.9809	-6.5985	-6.4110	-1.8740	-2.7186	-14.8052	-5.4415	-4.8927	
		0.0770	0.0922	0.0922	0.0990	1.0024	0.0990	0.0922	0.0860	MASS
T	TM 169	TM 170	YB 170	YB 171	YB 172	LU 172	LU 173	HF 175	HF 176	RE 181
		-61.2490	-59.5600	-60.5300	-59.2200	-56.5800	-57.0000	-54.7000	-54.4300	UNKNOWN
		-13.3023	-6.1199	-7.3623	-1.9554	-1.8614	-14.0966	-4.8329	-5.8940	-25.9713
		0.0770	0.0990	0.0922	0.0990	0.0990	0.0922	0.0860	0.0860	0.0827
HE3	ER 169	ER 170	TM 170	TM 171	TM 172	YB 172	YB 173	LU 175	LU 176	W 181
		-60.9090	-60.0200	-59.5600	-59.1200	-57.4000	-57.6900	-55.2900	-53.4100	-48.2400
		1.2782	7.2757	6.8332	10.9912	12.3652	12.4466	7.9437	8.4925	-12.3398
		0.0762	0.0770	0.0770	0.0922	0.0990	0.0990	0.0990	0.0860	0.0854
HE4	ER 168	ER 169	TM 169	TM 170	TM 171	YB 171	YB 172	LU 174	LU 175	W 180
		-62.9830	-60.9090	-61.2490	-59.5600	-59.1200	-59.2200	-55.5600	-55.2900	-49.3650
		-11.9602	-5.5218	-7.4682	-2.4763	-0.6792	-1.8969	-13.9234	-6.2098	-4.9709
		0.0751	0.0751	0.0763	0.0844	0.0771	1.0025	0.0923	1.0025	0.0991
HE6	ER 166	ER 167	TM 167	TM 168	TM 169	YB 169	YB 170	LU 172	LU 173	W 178
		-64.9180	-63.2850	-62.1210	-61.2660	-61.2490	-60.0500	-60.5300	-56.5800	-57.0000
		-10.2974	-3.0170	-2.7944	2.7505	2.4906	2.8119	-11.3836	-0.7711	-23.0084
		0.0754	0.1221	0.0750	0.0762	0.0770	0.0770	0.0922	0.0922	0.1389
LI6	HO 166	HO 167	ER 167	ER 168	ER 169	TM 169	TM 170	YB 172	YB 173	TA 178
		-63.0710	-62.2800	-63.2850	-62.9830	-60.9090	-61.2490	-59.5600	-57.6900	-50.3600

7C YB 173

MASS EXCESS -57.6900 +/- 0.0600 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.4414	5.1590	10.7359	10.6700	11.6713	-2.5452	6.5484	6.0793	-14.9470
		0.0849	0.0922	0.0781	0.0781	0.0781	0.0922	0.1000	0.0750	0.0721
GAMMA	YB 173	YB 174	LU 174	LU 175	LU 176	HF 176	HF 177	TA 179	TA 180	OS 185
		-57.0600	-55.5600	-55.2900	-53.4100	-54.4300	-52.7200	-50.1500	-48.8620	-42.7430
		-6.4814	-1.4724	2.9345	4.4785	3.8699	-8.9067	-1.3130	-0.7041	-21.7514
		0.0922	0.0922	0.0922	0.0781	0.0849	-0.0781	0.1342	0.1000	0.0922
N	YB 172	YB 173	LU 173	LU 174	LU 175	HF 175	HF 176	TA 178	TA 179	OS 184
		-59.2800	-57.0000	-55.5600	-55.2900	-54.7000	-54.4300	-50.3600	-50.1500	-44.0100
		-7.5790	-0.5375	5.2169	4.7910	5.2424	-9.1442	1.3794	0.1983	-20.9890
		0.0922	0.0922	0.0849	0.0781	0.0781	0.0781	0.0922	0.1000	1.0018
P	TM 172	TM 173	YB 173	YB 174	YB 175	LU 175	LU 176	HF 178	HF 179	RE 184
		-57.4000	-56.3700	-57.0600	-54.8200	-55.2900	-53.4100	-52.2700	-50.2700	-43.9900
		-11.7059	-5.3545	-4.2569	1.1840	-0.3346	-13.1112	-4.0175	-3.6486	-25.4259
		0.0922	0.0922	0.0922	0.0849	0.0922	0.0781	0.0922	0.0922	1.0018
D	TM 171	TM 172	YB 172	YB 173	YB 174	LU 174	LU 175	HF 177	HF 178	RE 183
		-59.1200	-57.4000	-59.2800	-57.0600	-55.5600	-55.2900	-52.7200	-52.2700	-45.4000
		-13.0759	-5.4485	-6.1310	-0.2240	-0.7086	-14.6552	-4.1215	-5.0127	-27.3439
		0.0849	0.0922	0.0922	0.0922	0.0922	0.0922	0.0781	0.0922	0.0738
T	TM 170	TM 171	YB 171	YB 172	YB 173	LU 173	LU 174	HF 176	HF 177	RE 182
		-59.5600	-59.1200	-59.2200	-59.2800	-57.0000	-55.5600	-54.4300	-52.7200	-45.2960
		-12.6013	-6.9199	-6.2123	-2.0854	-1.3014	-13.1366	-5.1229	-5.4840	-24.4653
		0.0922	0.0922	0.0922	0.0922	0.0922	0.0849	0.0781	0.0922	0.0710
HE3	ER 170	ER 171	TM 171	TM 172	TM 173	YB 173	YB 174	LU 176	LU 177	W 182
		-60.0200	-57.6300	-59.1200	-57.4000	-56.3700	-57.0600	-53.4100	-52.2300	-48.1560
		0.7943	7.9767	6.7342	12.1412	12.2352	14.0966	9.2637	8.2025	-11.8748
		0.0680	0.0922	0.0849	0.0922	0.0922	0.0922	0.0781	0.0781	0.0744
HE4	ER 169	ER 170	TM 170	TM 171	TM 172	YB 172	YB 173	LU 175	LU 176	W 181
		-60.9090	-60.0200	-59.5600	-59.1200	-57.4000	-59.2800	-55.2900	-53.4100	-48.2400
		-12.0032	-4.2338	-6.7332	-0.9033	-0.7782	0.1731	-13.6434	-4.1998	-4.8209
		0.0659	0.0672	0.0763	0.0681	0.0849	0.0849	0.0923	0.0923	0.0923
HE6	ER 167	ER 168	TM 168	TM 169	TM 170	YB 170	YB 171	LU 173	LU 174	W 179
		-63.2850	-62.9830	-61.2660	-61.2490	-59.5600	-60.5300	-59.2200	-57.0000	-55.5600
		-9.4984	-4.0270	-1.5064	2.2665	3.1916	2.7129	-10.2336	0.1889	-21.6284
		0.1166	0.1166	0.0671	0.0680	0.0922	0.0849	0.0922	0.0849	0.1000
LI6	HO 167	HO 168	ER 168	ER 169	ER 170	TM 170	TM 171	YB 173	YB 174	TA 179
		-62.2800	-59.6800	-62.9830	-60.9090	-60.0200	-59.5600	-59.1200	-57.0600	-50.1500

70 YB 173

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70 YB 174

MASS EXCESS -57.0600 +/- 0.0600 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.8314	5.5190	9.4859	10.1200	10.5913	-2.3652	5.8904	6.2773	-14.0900
		0.0781	0.0781	0.0781	0.0922	0.0922	0.0922	0.0750	0.0716	0.0922
GAMMA	YB 174	YB 175	LU 175	LU 176	LU 177	HF 177	HF 178	TA 180	TA 181	OS 186
		-54.8200	-55.2900	-53.4100	-52.2300	-52.7200	-52.2700	-48.8620	-48.4300	-42.9700
		-7.4414	-2.2824	3.2945	3.2285	4.2299	-9.9867	-0.8930	-1.3621	-22.3884
		0.0849	0.0922	0.0781	0.0781	0.0781	0.0922	0.1000	0.0750	0.0721
N	YB 173	YB 174	LU 174	LU 175	LU 176	HF 176	HF 177	TA 179	TA 180	OS 185
		-57.6900	-55.5600	-55.2900	-53.4100	-54.4300	-52.7200	-50.1500	-48.8620	-42.7430
		-7.9790	-2.2175	3.6069	3.9910	3.9924	-9.6942	0.0094	0.0883	-20.6240
		0.0922	0.1342	0.0781	0.0922	0.0781	0.0922	0.1000	0.1082	0.0721
P	TM 173	TM 174	YB 174	YB 175	YB 176	LU 176	LU 177	HF 179	HF 180	RE 185
		-56.3700	-54.0600	-54.8200	-53.3900	-53.4100	-52.2300	-50.2700	-49.5300	-43.7250
		-12.7959	-5.7545	-5.2169	-0.4260	0.0254	-14.3612	-3.8375	-5.0186	-26.2059
		0.0922	0.0922	0.0849	0.0781	0.0781	0.0781	0.0922	0.1000	1.0018
D	TM 172	TM 173	YB 173	YB 174	YB 175	LU 175	LU 176	HF 178	HF 179	RE 184
		-57.4000	-56.3700	-57.6900	-54.8200	-55.2900	-53.4100	-52.2700	-50.2700	-43.9900
		-12.8899	-6.5385	-5.4410	-1.1840	-1.5186	-14.2952	-5.2015	-4.8326	-26.6099
		0.0922	0.0922	0.0922	0.0849	0.0922	0.0781	0.0922	0.0922	1.0018
T	TM 171	TM 172	YB 172	YB 173	YB 174	LU 174	LU 175	HF 177	HF 178	RE 183
		-59.1200	-57.4000	-59.2800	-57.6900	-55.5600	-55.2900	-52.7200	-52.2700	-45.4000
		-14.3613	-7.4099	-7.3023	-2.4854	-2.9814	-14.7466	-5.6729	-7.0640	-25.7193
		0.0922	0.0922	0.0922	0.0922	0.1342	0.0781	0.0922	0.1082	0.0710
HE3	ER 171	ER 172	TM 172	TM 173	TM 174	YB 174	YB 175	LU 177	LU 178	W 183
		-57.6300	-56.5100	-57.4000	-56.3700	-54.0600	-54.8200	-52.2300	-50.0200	-46.2720
		0.5353	6.2167	6.9242	11.0512	11.8352	13.1366	8.0137	7.6526	-11.3287
		0.0922	0.0922	0.0922	0.0922	0.0922	0.0849	0.0781	0.0922	0.0710
HE4	ER 170	ER 171	TM 171	TM 172	TM 173	YB 173	YB 174	LU 176	LU 177	W 182
		-60.0200	-57.6300	-59.1200	-57.4000	-56.3700	-57.6900	-53.4100	-52.2300	-48.1560
		-11.6752	-5.6778	-6.1202	-1.9623	-0.5882	-0.5069	-12.9534	-5.0098	-4.4609
		0.0672	0.0681	0.0681	0.0849	0.0923	0.0923	0.0923	0.0923	0.0776
HE6	ER 168	ER 169	TM 169	TM 170	TM 171	YB 171	YB 172	LU 174	LU 175	W 180
		-62.9830	-60.9090	-61.2490	-59.5600	-59.1200	-59.2200	-55.5600	-55.2900	-49.3650
		-11.4684	-4.2670	-2.9504	2.0075	1.4316	2.9029	-11.3236	-1.4211	-22.2864
		0.1166	0.1166	0.0680	0.0922	0.0922	0.0922	0.0922	0.0781	0.0750
LI6	HO 168	HO 169	ER 169	ER 170	ER 171	TM 171	TM 172	YB 174	YB 175	TA 180
		-59.6800	-58.8100	-60.9090	-60.0200	-57.6300	-59.1200	-57.4000	-54.8200	-48.8620

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.5314	6.1290	9.7659	10.4800	11.8113	-1.4352	7.0424	6.7213	-12.4810
		0.1140	0.0990	0.1140	0.1140	0.1063	0.1140	0.0801	0.0806	0.0827
GAMMA	YB 176	YB 177	LU 177	LU 178	LU 179	HF 179	HF 180	TA 182	TA 183	OS 188
		-50.8500	-52.2300	-50.0200	-48.9200	-50.2700	-49.5300	-46.3440	-45.2040	-40.9090
		-6.6414	-0.7624	3.9045	3.5085	5.7399	-8.7667	1.0570	-0.2101	-20.3204
		0.0860	0.0860	0.0990	0.1140	0.0990	0.1063	0.0801	0.0801	0.0811
N	YB 175	YB 176	LU 176	LU 177	LU 178	HF 178	HF 179	TA 181	TA 182	OS 187
		-54.8200	-53.4100	-52.2300	-50.0200	-52.2700	-50.2700	-48.4300	-46.3440	-41.1410
		-8.3590	-3.4175	3.3069	3.2910	4.2724	-9.3342	0.8164	0.1483	-19.5390
		1.0024	0.1389	0.1140	1.0024	0.1140	0.1140	0.0801	0.2119	0.0811
P	TM 175	TM 176	YB 176	YB 177	YB 178	LU 178	LU 179	HF 181	HF 182	RE 187
		-52.3200	-49.1900	-50.8500	-49.0200	-50.0200	-48.9200	-47.4070	-45.9200	-41.1400
		-12.4659	-6.1345	-4.4169	-0.7260	0.6354	-14.0812	-2.9075	-4.2116	-24.6259
		0.1389	1.0024	0.0860	0.1140	0.0990	0.1140	0.1140	0.0801	0.0990
D	TM 174	TM 175	YB 175	YB 176	YB 177	LU 177	LU 178	HF 180	HF 181	RE 186
		-54.0600	-52.3200	-54.8200	-50.8500	-52.2300	-50.0200	-49.5300	-47.4070	-41.9000
		-11.9699	-6.2085	-3.9910	-0.3840	0.0014	-13.6852	-3.9815	-3.9026	-24.6149
		0.0990	0.1389	0.0922	0.0860	0.0860	0.0990	0.1063	0.1140	0.0806
T	TM 173	TM 174	YB 174	YB 175	YB 176	LU 176	LU 177	HF 179	HF 180	RE 185
		-56.3700	-54.0600	-57.0600	-54.8200	-53.4100	-52.2300	-50.2700	-49.5300	-43.7250
			-6.9723	-2.8654	-4.1814		-15.0466	-5.3129	-7.1840	-25.0253
			0.1389	1.0024	0.1389		0.1140	0.1140	0.1565	0.0806
HE3	MASS ER 173 UNKNOWN	MASS ER 174 UNKNOWN	TM 174	TM 175	TM 176	YB 176	YB 177	LU 179	LU 180	W 185
			-54.0600	-52.3200	-49.1900		-50.8500	-48.9200	-46.2300	-43.2960
		0.6953	7.8442	11.3812	11.4552	13.9366		8.2937	8.0126	-10.1957
		0.0990	MASS	0.0990	0.1389	0.0860		0.1140	0.1140	0.0806
HE4	ER 172	ER 173	TM 173	TM 174	TM 175	YB 175	YB 176	LU 178	LU 179	W 184
		-56.5100	UNKNOWN	-56.3700	-54.0600	-52.3200	-54.8200	-50.0200	-48.9200	-45.6190
		-10.9682	-5.2868	-4.5792	-0.4523	0.3318	1.6331	-11.5034	-3.4898	-22.8322
		0.0991	0.0991	0.0991	0.0991	0.0991	0.0923	0.0923	0.0861	0.0991
HE6	ER 170	ER 171	TM 171	TM 172	TM 173	YB 173	YB 174	LU 176	LU 177	W 182
		-60.0200	-57.6300	-59.1200	-57.4000	-56.3700	-57.6900	-57.0600	-53.4100	-48.1560
		-11.6584	-2.5594	2.1675		3.8229	-10.9936		-1.7211	-21.1344
		0.1389	MASS	0.0990	0.0990	0.0990	0.1389		0.1140	0.0801
L I6	HO 170	HO 171	ER 171	ER 172	ER 173	TM 173	TM 174	YB 176	YB 177	TA 182
		-55.8200	UNKNOWN	-57.6300	-56.5100	UNKNOWN	-56.3700	-54.0600	-50.8500	-46.3440

71 LU 175

MASS EXCESS -55.2900 +/- 0.0500 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.1914	6.4290	10.5659	11.9300	10.0013	-2.7152	7.0384	7.7733	-15.7600
		0.0707	0.0707	0.0860	0.0860	0.1300	0.0943	0.0666	0.0628	1.0012
GAMMA	LU 175	LU 176	HF 176	HF 177	HF 178	TA 178	TA 179	W 181	W 182	IR 187
		-53.4100	-54.4300	-52.7200	-52.2700	-50.3600	-50.1500	-48.2400	-48.1560	-39.5300
		-7.8014	-1.3724	4.2045	4.3085	3.1319	-10.5767	0.0920	-0.2141	-24.2214
		0.0860	0.0781	0.0707	0.0860	0.0860	0.1300	0.0700	0.0666	0.0860
N	LU 174	LU 175	HF 175	HF 176	HF 177	TA 177	TA 178	W 180	W 181	IR 186
		-55.5600	-54.7000	-54.4300	-52.7200	-51.5620	-50.3600	-49.3650	-48.2400	-39.1400
		-5.5190	0.3125	3.9669	4.6010	5.0724	-7.8842	0.3714	0.7583	-19.6090
		0.0781	0.0707	0.0707	0.0860	0.0860	0.0860	0.0673	0.0634	0.0860
P	YB 174	YB 175	LU 175	LU 176	LU 177	HF 177	HF 178	TA 180	TA 181	OS 186
		-57.0600	-54.8200	-53.4100	-52.2300	-52.7200	-52.2700	-48.8620	-48.4300	-42.9700
		-10.7359	-3.2945	-5.5769	-0.0660	0.9354	-13.2812	-4.1875	-4.6566	-25.6829
		0.0781	0.0781	0.0860	0.0707	0.0707	0.0860	0.0943	0.0673	0.0640
D	YB 173	YB 174	LU 174	LU 175	LU 176	HF 176	HF 177	TA 179	TA 180	OS 185
		-57.6900	-57.0600	-55.5600	-53.4100	-54.4300	-52.7200	-50.1500	-48.8620	-42.7430
		-10.9599	-4.4785	-5.9510	-1.5440	-0.6086	-13.3852	-5.7915	-5.1826	-26.2299
		0.0860	0.0781	0.0860	0.0860	0.0781	0.0707	0.1300	0.0943	0.0860
T	YB 172	YB 173	LU 173	LU 174	LU 175	HF 175	HF 176	TA 178	TA 179	OS 184
		-59.2800	-57.6900	-57.0000	-55.5600	-54.7000	-54.4300	-50.3600	-50.1500	-44.0100
		-12.8213	-5.7799	-5.2423	-0.0254	-0.4514	-14.3866	-3.8629	-5.0440	-26.2313
		0.0860	0.0860	0.0781	0.0781	0.0707	0.0707	0.0860	0.0943	1.0012
HE3	TM 172	TM 173	YB 173	YB 174	YB 175	LU 175	LU 176	HF 178	HF 179	RE 184
		-57.4000	-56.3700	-57.6900	-57.0600	-54.8200	-53.4100	-52.2700	-50.2700	-43.9900
		1.4053	7.7567	8.8542	13.1112	14.2952	12.7766	9.0937	9.4626	-12.3147
		0.0860	0.0860	0.0860	0.0781	0.0781	0.0860	0.0860	0.0860	1.0012
HE4	TM 171	TM 172	YB 172	YB 173	YB 174	LU 174	LU 175	HF 177	HF 178	RE 183
		-59.1200	-57.4000	-59.2800	-57.6900	-57.0600	-55.5600	-52.7200	-52.2700	-45.4000
		-11.6392	-5.2568	-5.0692	-0.5323	1.3418	-1.3769	-13.4634	-4.0998	-3.5509
		0.0595	0.0782	0.0782	0.0861	0.0861	1.0013	0.0861	0.0782	0.0708
HE6	TM 169	TM 170	YB 170	YB 171	YB 172	LU 172	LU 173	HF 175	HF 176	RE 181
		-61.2490	-59.5600	-60.5300	-59.2200	-59.2800	-56.5800	-57.0000	-54.7000	UNKNOWN
		-8.4694	-1.2870	-2.5294	2.8775	2.9716	4.8329	-9.2636	-1.0611	-21.1384
		0.0594	0.0860	0.0781	0.0860	0.0860	0.0860	0.0781	0.0707	0.0666
LI6	ER 169	ER 170	TM 170	TM 171	TM 172	YB 172	YB 173	LU 175	LU 176	W 181
		-60.9090	-60.0200	-59.5600	-59.1200	-57.4000	-59.2800	-57.6900	-53.4100	-48.2400

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.8914	6.5990	11.9959	11.8100	11.6713	-2.1232	8.8344	7.7693	-15.3330
		0.0860	0.0860	0.0860	0.0943	0.0943	0.0673	0.0628	0.0628	0.0673
GAMMA	LU 176	LU 177	HF 177	HF 178	HF 179	TA 179	TA 180	W 182	W 183	IR 188
		-52.2300	-52.7200	-52.2700	-50.2700	-50.1500	-48.8620	-48.1560	-46.2720	-38.0770
		-6.1914	0.2376	4.3745	5.7385	3.8099	-8.9067	0.8470	1.5819	-21.9514
		0.0707	0.0707	0.0860	0.0860	0.1300	0.0943	0.0666	0.0628	1.0012
N	LU 175	LU 176	HF 176	HF 177	HF 178	TA 178	TA 179	W 181	W 182	IR 187
		-55.2900	-54.4300	-52.7200	-52.2700	-50.3600	-50.1500	-48.2400	-48.1560	-39.5300
		-5.8790	0.7625	4.6669	4.2710	6.5024	-8.0042	1.8194	0.5523	-19.5580
		0.0707	0.0860	0.0860	0.1030	0.0860	0.0943	0.0634	0.0634	0.0647
P	YB 175	YB 176	LU 176	LU 177	LU 178	HF 178	HF 179	TA 181	TA 182	OS 187
		-54.8200	-53.3900	-52.2300	-50.0200	-52.2700	-50.2700	-48.4300	-46.3440	-41.1410
		-9.4859	-3.6545	-3.9669	0.6340	1.1054	-11.8512	-3.5955	-3.2086	-23.5759
		0.0781	0.0707	0.0707	0.0860	0.0860	0.0860	0.0673	0.0634	0.0860
D	YB 174	YB 175	LU 175	LU 176	LU 177	HF 177	HF 178	TA 180	TA 181	OS 186
		-57.0600	-54.8200	-55.2900	-52.2300	-52.7200	-52.2700	-48.8620	-48.4300	-42.9700
		-10.6699	-3.2285	-5.5110	0.0660	1.0014	-13.2152	-4.1215	-4.5906	-25.6169
		0.0781	0.0781	0.0860	0.0707	0.0707	0.0860	0.0943	0.0673	0.0640
T	YB 173	YB 174	LU 174	LU 175	LU 176	HF 176	HF 177	TA 179	TA 180	OS 185
		-57.6900	-57.0600	-55.5600	-55.2900	-54.4300	-52.7200	-50.1500	-48.8620	-42.7430
		-11.9713	-6.2099	-3.9923	-0.3854	-0.0014	-13.6866	-3.9829	-3.9040	-24.6163
		0.0860	0.1300	0.0781	0.0707	0.0860	0.0860	0.0943	0.1030	0.0640
HE3	TM 173	TM 174	YB 174	YB 175	YB 176	LU 176	LU 177	HF 179	HF 180	RE 185
		-56.3700	-54.0600	-57.0600	-54.8200	-53.3900	-52.2300	-50.2700	-49.5300	-43.7250
		1.5653	8.6067	9.1442	14.3612	13.9352	14.3866	10.5237	9.3426	-11.8447
		0.0860	0.0860	0.0781	0.0781	0.0707	0.0707	0.0860	0.0943	1.0012
HE4	TM 172	TM 173	YB 173	YB 174	YB 175	LU 175	LU 176	HF 178	HF 179	RE 184
		-57.4000	-56.3700	-57.6900	-57.0600	-54.8200	-55.2900	-52.2700	-50.2700	-43.9900
		-11.4482	-3.8168	-4.4992	1.4077	1.6318	0.9231	-13.0234	-2.4898	-3.3809
		0.0782	0.0861	0.0861	0.0861	0.0782	0.0861	0.0861	0.0708	0.0861
HE6	TM 170	TM 171	YB 171	YB 172	YB 173	LU 173	LU 174	HF 176	HF 177	RE 182
		-59.5600	-59.1200	-59.2200	-59.2800	-57.6900	-57.0000	-55.5600	-54.4300	-52.7200
		-7.4784	-1.7970	-1.0894	3.0375	3.8216	5.1229	-8.0136	-0.3611	-19.3424
		0.0860	0.0860	0.0860	0.0860	0.0860	0.0781	0.0781	0.0860	0.0628
LI6	ER 170	ER 171	TM 171	TM 172	TM 173	YB 173	YB 174	LU 176	LU 177	W 182
		-60.0200	-57.6300	-59.1200	-57.4000	-56.3700	-57.6900	-57.0600	-52.2300	-48.1560

72 HF 174

MASS EXCESS -55.5500 +/- 0.0700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.2214			10.9619					
GAMMA	HF 174	0.0922	MASS	MASS	0.0990	MASS	MASS	MASS	MASS	MASS
		HF 175	TA 175	TA 176	TA 177	W 177	W 178	RE 180	RE 181	PT 186
		-54.7000	UNKNOWN	UNKNOWN	-51.5620	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		0.7924		4.9969	6.5410		-8.8522		1.4333	
		0.0990		0.0922	0.0860	MASS	0.0990	MASS	0.0855	MASS
P	LU 173	LU 174	HF 174	HF 175	HF 176	TA 176	TA 177	W 179	W 180	IR 185
		-57.0000		-54.7000	-54.4300	UNKNOWN	-51.5620	UNKNOWN	-49.3650	UNKNOWN
		-12.1059	-3.6145		0.9640					
		1.0024	0.0990	MASS	0.0922	MASS	MASS	MASS	MASS	MASS
D	LU 172	LU 173	HF 173	HF 174	HF 175	TA 175	TA 176	W 178	W 179	IR 184
		-56.5800	-57.0000	UNKNOWN	-54.7000	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-12.8799	-5.8485							
		1.0024	1.0024	MASS	MASS	MASS	MASS	MASS	MASS	MASS
T	LU 171	LU 172	HF 172	HF 173	HF 174	TA 174	TA 175	W 177	W 178	IR 183
		-57.6200	-56.5800	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-11.2613	-3.1295	-6.6123	-0.3454			-13.3566	-4.8309	-5.2140
		0.0990	0.0990	1.0024	0.0990			0.0922	0.0990	0.1389
HE3	YB 171	YB 172	LU 172	LU 173	LU 174	HF 174	HF 175	TA 177	TA 178	MASS
		-59.2200	-59.2800	-56.5800	-57.0000		-54.7000	-51.5620	-50.3600	OS 183
										UNKNOWN
		2.5553	9.3167	6.9342	11.7412				8.4945	
		0.0922	0.0990	1.0024	1.0024	MASS		MASS	0.0990	MASS
HE4	YB 170	YB 171	LU 171	LU 172	LU 173	HF 173	HF 174	TA 176	TA 177	OS 182
		-60.5300	-59.2200	-57.6200	-56.5800	UNKNOWN		UNKNOWN	-51.5620	UNKNOWN
		-11.8182	-5.0268	-8.0692	-2.8923					
		0.1656	1.0025	1.0025	0.0923	MASS	MASS	MASS	MASS	MASS
HE6	YB 168	YB 169	LU 169	LU 170	LU 171	HF 171	HF 172	TA 174	TA 175	OS 180
		-61.3300	-60.0500	-57.7900	-57.1200	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-8.3724	-0.3180	-2.2994	4.0275	4.5315	2.9129	-10.6336		-0.0311
		0.0843	0.0770	1.0024	0.0922	0.0990	1.0024	1.0024		0.0922
LI6	TM 168	TM 169	YB 169	YB 170	YB 171	LU 171	LU 172	HF 174	HF 175	MASS
		-61.2660	-61.2490	-60.0500	-60.5300	-59.2200	-57.6200	-56.5800	-54.7000	RE 180
										UNKNOWN

72 HF 176

MASS EXCESS -54.4300 +/- 0.0500 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.3614	4.4210	9.0659	10.6700		-2.6402	4.9544	5.8773	-16.8600
		0.0860	0.0860	0.1300	0.0943	MASS	0.0700	0.0660	1.0012	0.0860
GAMMA	HF 176	HF 177	TA 177	TA 178	TA 179	W 179	W 180	RE 182	RE 183	PT 188
		-52.7200	-51.5620	-50.3600	-50.1500	UNKNOWN	-49.3650	-45.2960	-45.4000	-37.5700
		-7.8014		2.1965	2.8085				-2.2981	
		0.0781		0.0860	0.1300	MASS	MASS	MASS	0.0660	MASS
N	HF 175	HF 176	TA 176	TA 177	TA 178	W 178	W 179	RE 181	RE 182	PT 187
		-54.7000	UNKNOWN	-51.5620	-50.3600	UNKNOWN	UNKNOWN	UNKNOWN	-45.2960	UNKNOWN
		-6.4290	-0.2375	4.1369	5.5010	3.5724	-9.1442	0.6094	1.3443	-22.1890
		0.0707	0.0707	0.0860	0.0860	0.1300	0.0943	0.0666	0.0628	1.0012
P	LU 175	LU 176	HF 176	HF 177	HF 178	TA 178	TA 179	W 181	W 182	IR 187
		-55.2900	-53.4100	-52.7200	-52.2700	-50.3600	-50.1500	-48.2400	-48.1560	-39.5300
		-12.0059	-4.2045	-5.5769	0.1040	-1.0726	-14.7812	-4.1125	-4.4186	-28.4259
		0.0860	0.0707	0.0781	0.0860	0.0860	0.1300	0.0700	0.0666	0.0860
D	LU 174	LU 175	HF 175	HF 176	HF 177	TA 177	TA 178	W 180	W 181	IR 186
		-55.5600	-55.2900	-54.7000	-52.7200	-51.5620	-50.3600	-49.3650	-48.2400	-39.1400
		-12.3799	-5.7485	-6.5410	-1.5440			-15.3932	-5.1076	
		0.0860	0.0860	0.0860	0.0781	MASS	0.0860	MASS	0.0700	MASS
T	LU 173	LU 174	HF 174	HF 175	HF 176	TA 176	TA 177	W 179	W 180	IR 185
		-57.0000	-55.5600	-55.5500	-54.7000	UNKNOWN	-51.5620	UNKNOWN	-49.3650	UNKNOWN
		-11.6713	-4.2299	-6.5123	-0.9354	-1.0014		-14.2166	-5.1229	-26.6183
		0.0781	0.0781	0.0860	0.0707	0.0707		0.0860	0.0943	0.0640
HE3	YB 173	YB 174	LU 174	LU 175	LU 176	HF 176	HF 177	TA 179	TA 180	OS 185
		-57.6900	-57.0600	-55.5600	-55.2900	-53.4100	-52.7200	-50.1500	-48.8620	-42.7430
		2.4253	8.9067	7.4342	11.8412	13.3852	12.7766	7.5937	8.2026	-12.8447
		0.0860	0.0781	0.0860	0.0860	0.0707	0.0781	0.1300	0.0943	0.0860
HE4	YB 172	YB 173	LU 173	LU 174	LU 175	HF 175	HF 176	TA 178	TA 179	OS 184
		-59.2800	-57.6900	-57.0000	-55.5600	-55.2900	-54.7000	-50.3600	-50.1500	-44.0100
		-11.4982	-4.7368	-7.1192	-2.3123	-0.0782		-14.0534	-5.5589	
		0.0782	0.0861	1.0013	1.0013	0.0861	MASS	0.0861	MASS	0.0861
HE6	YB 170	YB 171	LU 171	LU 172	LU 173	LU 173	HF 173	HF 174	TA 176	TA 177
		-60.5300	-59.2200	-57.6200	-56.5800	-57.0000	UNKNOWN	-55.5500	UNKNOWN	-51.5620
		-8.9584	-1.3270	-2.0094	3.8975	4.1216	3.4129	-10.5336	-0.8911	-23.2224
		0.0781	0.0860	0.0860	0.0860	0.0781	0.0860	0.0860	0.0860	0.0660
LI6	TM 170	TM 171	YB 171	YB 172	YB 173	LU 173	LU 174	HF 176	HF 177	RE 182
		-59.5600	-59.1200	-59.2200	-59.2800	-57.6900	-57.0000	-55.5600	-52.7200	-45.2960

72 HF 177

MASS EXCESS -52.7200 +/- 0.0700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.6214	4.9290	10.5659	11.0920	11.5763	-2.0552	6.7684	6.1773	-16.0300
		0.0990	0.1389	0.1063	0.0832	0.0854	0.0827	1.0024	1.0024	1.4217
GAMMA	HF 177	HF 178	TA 178	TA 179	TA 180	W 180	W 181	RE 183	RE 184	PT 189
		-52.2700	-50.3600	-50.1500	-48.8620	-49.3650	-48.2400	-45.4000	-43.9900	-36.6900
		-6.3614	-1.9404	2.7045	4.3085		-9.0017	-1.4070	-0.4841	-23.2214
		0.0860	0.0990	0.1389	0.1063	MASS	0.0854	0.0822	1.0024	0.0990
N	HF 176	HF 177	TA 177	TA 178	TA 179	W 179	W 180	RE 182	RE 183	PT 188
		-54.4300	-51.5620	-50.3600	-50.1500	UNKNOWN	-49.3650	-45.2960	-45.4000	-37.5700
		-6.5990	0.2925	5.3969	5.2110	5.0724	-8.7222	2.2354	1.1703	-21.9320
		0.0860	0.0990	0.0990	0.1063	0.1063	0.0832	0.0797	0.0797	0.0832
P	LU 176	LU 177	HF 177	HF 178	HF 179	TA 179	TA 180	W 182	W 183	IR 188
		-53.4100	-52.2300	-52.2700	-50.2700	-50.1500	-48.8620	-48.1560	-46.2720	-38.0770
		-10.5659	-4.3745	-4.1369	1.3640	-0.5646	-13.2812	-3.5275	-2.7926	-26.3259
		0.0860	0.0860	0.0860	0.0990	0.1389	0.1063	0.0827	0.0797	1.0024
D	LU 175	LU 176	HF 176	HF 177	HF 178	TA 178	TA 179	W 181	W 182	IR 187
		-55.2900	-53.4100	-54.4300	-52.2700	-50.3600	-50.1500	-48.2400	-48.1560	-39.5300
		-12.1099	-4.3085	-5.6810	-0.1040	-1.1766	-14.8852	-4.2165	-4.5226	-28.5299
		0.0990	0.0860	0.0922	0.0860	0.0990	0.1389	0.0855	0.0827	0.0990
T	LU 174	LU 175	HF 175	HF 176	HF 177	TA 177	TA 178	W 180	W 181	IR 186
		-55.5600	-55.2900	-54.7000	-54.4300	-51.5620	-50.3600	-49.3650	-48.2400	-39.1400
		-10.5913	-4.7599	-5.0723	-1.1054	-0.4714	-12.9566	-4.7009	-4.3140	-24.6813
		0.0922	0.0860	0.0860	0.0860	0.0990	0.0990	0.0832	0.0801	0.0990
HE3	YB 174	YB 175	LU 175	LU 176	LU 177	HF 177	HF 178	TA 180	TA 181	OS 186
		-57.0600	-54.8200	-55.2900	-53.4100	-52.2300	-52.2700	-48.8620	-48.4300	-42.9700
		2.5453	9.9867	7.7042	13.2812	13.2152	14.2166	9.0937	8.6246	-12.4017
		0.0922	0.0922	0.0990	0.0860	0.0860	0.0860	0.1063	0.0832	0.0806
HE4	YB 173	YB 174	LU 174	LU 175	LU 176	HF 176	HF 177	TA 179	TA 180	OS 185
		-57.6900	-57.0600	-55.5600	-55.2900	-53.4100	-54.4300	-50.1500	-48.8620	-42.7430
		-11.0982	-2.9668	-6.4492	-0.1823	0.1918	0.1631	-13.1934	-4.6678	-5.0509
		0.0991	0.0991	1.0025	0.0991	0.0991	0.0991	0.0923	0.0991	0.1390
HE6	YB 171	YB 172	LU 172	LU 173	LU 174	HF 174	HF 175	TA 177	TA 178	OS 183
		-59.2200	-59.2800	-56.5800	-57.0000	-55.5600	-54.7000	-51.5620	-50.3600	UNKNOWN
		-7.6884	-1.3370	-0.2394	4.0175	5.2016	3.6829	-9.0936	0.3689	-21.4084
		0.0990	0.0990	0.0990	0.0922	0.0922	0.0990	0.0860	0.0990	1.0024
LI6	TM 171	TM 172	YB 172	YB 173	YB 174	LU 174	LU 175	HF 177	HF 178	RE 183
		-59.1200	-57.4000	-59.2800	-57.6900	-57.0600	-55.5600	-55.2900	-52.2700	-45.4000

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72 HF 177

72 HF 178

 MASS EXCESS -52.2700 +/- 0.0700 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2

OUTGOING											

			6.0714	5.1690	9.7279	11.1100	10.9013	-1.6892	5.8084	6.3623	-14.9700
			0.1063	0.1063	0.0832	0.0801	0.0827	0.0797	1.0024	0.0806	0.0990
GAMMA	HF 178	HF 179	TA 179	TA 180	TA 181	W 181	W 182	RE 184	RE 185	PT 190	
		-50.2700	-50.1500	-48.8620	-48.4300	-48.2400	-48.1560	-43.9900	-43.7250	-37.3000	
		-7.6214		-2.6924	2.9445	3.4705	3.9549	-9.6767	-0.8530	-1.4441	-23.6514
		0.0990		0.1389	0.1063	0.0832	0.0854	0.0827	1.0024	1.0024	1.4217
N	HF 177	HF 178	TA 178	TA 179	TA 180	W 180	W 181	RE 183	RE 184	PT 189	
		-52.7200	-50.3600	-50.1500	-48.8620	-49.3650	-48.2400	-45.4000	-43.9900	-36.6900	
		-7.3290	-1.4675		3.8469	4.9210	4.2344	-8.7042	0.8014	0.9673	-21.2890
		0.0990	0.1140		0.1063	0.1140	0.0832	0.0801	0.0797	0.0806	1.0024
P	LU 177	LU 178	HF 178	HF 179	HF 180	TA 180	TA 181	W 183	W 184	IR 189	
		-52.2300	-50.0200	-50.2700	-49.5300	-48.8620	-48.4300	-46.2720	-45.6190	-38.2700	
		-11.9959	-5.1045	-5.3969		-0.1860	-0.3246	-14.1192	-3.1615	-4.2266	-27.3289
		0.0860	0.0990	0.0990		0.1063	0.1063	0.0832	0.0797	0.0797	0.0832
D	LU 176	LU 177	HF 177	HF 178	HF 179	TA 179	TA 180	W 182	W 183	IR 188	
		-53.4100	-52.2300	-52.7200	-50.2700	-50.1500	-48.8620	-48.1560	-46.2720	-38.0770	
		-11.9299	-5.7385	-5.5010	-1.3640		-1.9286	-14.6452	-4.8915	-4.1566	-27.6899
		0.0860	0.0860	0.0860	0.0990		0.1389	0.1063	0.0827	0.0797	1.0024
T	LU 175	LU 176	HF 176	HF 177	HF 178	TA 178	TA 179	W 181	W 182	IR 187	
		-55.2900	-53.4100	-54.4300	-52.7200	-50.3600	-50.1500	-48.2400	-48.1560	-39.5300	
		-12.3813	-5.7399	-6.5023	-1.8354	-2.2314		-14.5066	-4.6829	-5.9500	-26.0603
		0.0860	0.0990	0.0860	0.0990	0.1140		0.1063	0.0801	0.0801	0.0811
HE3	YB 175	YB 176	LU 176	LU 177	LU 178	HF 178	HF 179	TA 181	TA 182	OS 187	
		-54.8200	-53.3900	-53.4100	-52.2300	-50.0200	-50.2700	-48.4300	-46.3440	-41.1410	
		2.3653	8.1967	7.8842	11.8512	12.4852	12.9566		8.2557	8.6425	-11.7248
		0.0922	0.0860	0.0860	0.0860	0.0990	0.0990		0.0832	0.0801	0.0990
HE4	YB 174	YB 175	LU 175	LU 176	LU 177	HF 177	HF 178	TA 180	TA 181	OS 186	
		-57.0600	-54.8200	-55.2900	-53.4100	-52.2300	-52.7200	-48.8620	-48.4300	-42.9700	
		-10.5882	-4.1068	-5.5792	-1.1723	0.3718	-0.2369	-13.0134	-5.4198	-4.8109	-25.8582
		0.0991	0.0923	0.0991	0.0991	0.0861	0.0923	0.0861	0.1390	0.1064	0.0991
HE6	YB 172	YB 173	LU 173	LU 174	LU 175	HF 175	HF 176	TA 178	TA 179	OS 184	
		-59.2800	-57.6900	-57.0000	-55.5600	-55.2900	-54.7000	-54.4300	-50.3600	-50.1500	-44.0100
		-8.9584	-1.9170	-1.3794	3.8375	3.4116	3.8629	-10.5236		-1.1811	-22.3684
		0.0990	0.0990	0.0922	0.0922	0.0860	0.0860	0.0860		0.1063	1.0024
LI6	TM 172	TM 173	YB 173	YB 174	YB 175	LU 175	LU 176	HF 178	HF 179	RE 184	
		-57.4000	-56.3700	-57.6900	-57.0600	-54.8200	-55.2900	-53.4100	-50.2700	-43.9900	

72 HF 179

MASS EXCESS -50.2700 +/- 0.0800 MEV

INCOMING		-----									
		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12

OUTGOING											
			7.3314	5.8810	11.2959	11.0240	12.8173	-1.5732	7.5434	6.5373	-14.3600
			0.1204	0.0918	0.0890	0.0890	0.0886	0.0886	0.0894	0.1063	1.0032
GAMMA	HF 179		HF 180	TA 180	TA 181	TA 182	W 182	W 183	RE 185	RE 186	PT 191
			-49.5300	-48.8620	-48.4300	-46.3440	-48.1560	-46.2720	-43.7250	-41.9000	-35.9100
		-6.0714		-0.9024	3.6565	5.0385	4.8299	-7.7607	-0.2630	0.2909	-21.0414
		0.1063		0.1131	0.0918	0.0890	0.0913	0.0886	1.0032	0.0894	0.1063
N	HF 178	HF 179		TA 179	TA 180	TA 181	W 181	W 182	RE 184	RE 185	PT 190
				-50.1500	-48.8620	-48.4300	-48.2400	-48.1560	-43.9900	-43.7250	-37.3000
		-7.5390	-0.5675		5.1069	4.7980	5.8024	-8.7902	2.1484	0.6443	-21.0690
		0.1204	0.1204		0.1204	0.0890	0.0890	0.0890	0.0894	0.0894	0.1879
P	LU 178	LU 179	HF 179	HF 180	HF 181	TA 181	TA 182	W 184	W 185	IR 190	
					-49.5300	-47.4070	-48.4300	-46.3440	-45.6190	-43.2960	-36.4900
		-11.1759	-5.3145	-3.8469		1.0740	0.3874	-12.5512	-3.0455	-2.8796	-25.1359
		0.1063	0.1204	0.1063		0.1204	0.0918	0.0890	0.0886	0.0894	1.0032
D	LU 177	LU 178	HF 178	HF 179	HF 180	TA 180	TA 181	W 183	W 184	IR 189	
						-49.5300	-48.8620	-48.4300	-46.2720	-45.6190	-38.2700
		-11.8099	-4.9185	-5.2110	0.1860		-0.1386	-13.9332	-2.9755	-4.0406	-27.1429
		0.0943	0.1063	0.1063	0.1063		0.1131	0.0918	0.0886	0.0886	0.0918
T	LU 176	LU 177	HF 177	HF 178	HF 179	TA 179	TA 180	W 182	W 183	IR 188	
		-53.4100	-52.2300	-52.7200	-52.2700	-50.1500	-48.8620	-48.1560	-48.1560	-46.2720	-38.0770
		-11.8113	-6.2799	-5.6823	-2.0454	-1.3314		-13.2466	-4.7689	-5.0900	-24.2923
		0.1063	0.1204	0.1063	0.1204	0.1204		0.1204	0.0890	0.0894	0.0913
HE3	YB 176	YB 177	LU 177	LU 178	LU 179	HF 179	HF 180	TA 182	TA 183	OS 188	
		-53.3900	-50.8500	-52.2300	-50.0200	-48.9200	-49.5300	-46.3440	-45.2040	-40.9090	
		2.1253	8.7667	8.0042	12.6712	12.2752	14.5066		9.8237	8.5566	-11.5538
		0.0943	0.1063	0.0943	0.1063	0.1204	0.1063		0.0890	0.0890	0.0899
HE4	YB 175	YB 176	LU 176	LU 177	LU 178	HF 178	HF 179	TA 181	TA 182	OS 187	
		-54.8200	-53.3900	-53.4100	-52.2300	-50.0200	-52.2700	-48.4300	-46.3440	-41.1410	
		-10.1782	-2.7368	-5.0192	0.5577	0.4918	1.4931	-12.7234	-3.6298	-4.0989	-25.1252
		0.1001	0.1001	0.1064	0.0944	0.0944	0.0944	0.1064	0.1132	0.0919	0.0895
HE6	YB 173	YB 174	LU 174	LU 175	LU 176	HF 176	HF 177	TA 179	TA 180	OS 185	
		-57.6900	-57.0600	-55.5600	-55.2900	-53.4100	-54.4300	-52.7200	-50.1500	-48.8620	-42.7430
		-7.9884	-2.2270	-0.0094	3.5975	3.9816	3.9829	-9.7036		0.0789	-20.6334
		0.1063	0.1442	0.1000	0.0943	0.1063	0.0943	0.1063		0.1204	0.0894
LI6	TM 173	TM 174	YB 174	YB 175	YB 176	LU 176	LU 177	HF 179	HF 180	RE 185	
		-56.3700	-54.0600	-57.0600	-54.8200	-53.3900	-53.4100	-52.2300	-49.5300	-43.7250	

72 HF 180

MASS EXCESS -49.5300 +/- 0.0900 MEV

72 HF 180

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.9484	6.1890	9.9499	10.6240	11.6733	-1.4862	6.4584	6.5173	-13.3400
		0.0981	0.0981	0.0981	0.0985	0.0977	0.0985	0.1140	0.0989	0.1082
GAMMA	HF 180	HF 181	TA 181	TA 182	TA 183	W 183	W 184	RE 186	RE 187	PT 192
		-47.4070	-48.4300	-46.3440	-45.2040	-46.2720	-45.6190	-41.9000	-41.1400	-36.1900
		-7.3314	-1.4504	3.9645	3.6925	5.4859	-8.9047	0.2120	-0.7941	-21.6914
		0.1204	0.1006	0.0981	0.0981	0.0977	0.0977	0.0985	0.1140	1.0040
N	HF 179	HF 180	TA 180	TA 181	TA 182	W 182	W 183	RE 185	RE 186	PT 191
		-50.2700	-48.8620	-48.4300	-46.3440	-48.1560	-46.2720	-43.7250	-41.9000	-35.9100
		-7.8990	-2.5175	3.7239	4.0510	4.4563	-9.1902	0.5654	0.5263	-20.1490
		0.1273	0.1664	0.0981	0.2193	0.0981	0.0985	0.0985	0.0993	0.1082
P	LU 179	LU 180	HF 180	HF 181	HF 182	TA 182	TA 183	W 185	W 186	IR 191
		-48.9200	-46.2300	-47.4070	-45.9200	-46.3440	-45.2040	-43.2960	-42.4380	-36.6700
		-12.6459	-5.6745	-5.1069	-0.3090	0.6954	-13.8972	-2.9585	-4.4626	-26.1759
		0.1273	0.1273	0.1204	0.0981	0.0981	0.0981	0.0985	0.0985	0.1924
D	LU 178	LU 179	HF 179	HF 180	HF 181	TA 181	TA 182	W 184	W 185	IR 190
		-50.0200	-48.9200	-50.2700	-47.4070	-48.4300	-46.3440	-45.6190	-43.2960	-36.4900
		-12.2499	-6.3885	-4.9210	-1.0740	-0.6866	-13.6252	-4.1195	-3.9536	-26.2099
		0.1140	0.1273	0.1140	0.1204	0.1006	0.0981	0.0977	0.0985	1.0040
T	LU 177	LU 178	HF 178	HF 179	HF 180	TA 180	TA 181	W 183	W 184	IR 189
		-52.2300	-50.0200	-52.2700	-50.2700	-48.8620	-48.4300	-46.2720	-45.6190	-38.2700
		-13.6113	-7.3699	-7.1523	-2.4054	-3.2814	-14.6296	-5.1689	-6.6840	-25.6213
		0.1273	1.0040	0.1273	0.1273	0.1664	0.0981	0.0985	0.1030	0.1204
HE3	YB 177	YB 178	LU 178	LU 179	LU 180	HF 180	HF 181	TA 183	TA 184	OS 189
		-50.8500	-49.0200	-50.0200	-48.9200	-46.2300	-47.4070	-45.2040	-42.8700	-38.8400
		1.4352	6.9667	7.5642	11.2012	11.9152	13.2466	8.4777	8.1565	-11.0458
		0.1140	0.1273	0.1140	0.1273	0.1273	0.1204	0.0981	0.0985	0.1002
HE4	YB 176	YB 177	LU 177	LU 178	LU 179	HF 179	HF 180	TA 182	TA 183	OS 188
		-53.3900	-50.8500	-52.2300	-50.0200	-48.9200	-50.2700	-46.3440	-45.2040	-40.9090
		-10.0682	-4.2368	-4.5492	-0.5823	0.0518	0.5231	-12.4334	-4.1778	-3.7909
		0.1082	0.1030	0.1030	0.1030	0.1141	0.1141	0.1141	0.1007	0.0982
HE6	YB 174	YB 175	LU 175	LU 176	LU 177	HF 177	HF 178	TA 180	TA 181	OS 186
		-57.0600	-54.8200	-55.2900	-53.4100	-52.2300	-52.7200	-52.2700	-48.8620	-48.4300
		-9.5584	-3.2270	-1.5094	2.9075	2.1816	3.5429	-11.1736	-1.3041	-21.7184
		0.1500	1.0040	0.1030	0.1140	0.1273	0.1140	0.1273	0.0981	0.1140
LI6	TM 174	TM 175	YB 175	YB 176	YB 177	LU 177	LU 178	HF 180	HF 181	RE 186
		-54.0600	-52.3200	-54.8200	-53.3900	-50.8500	-52.2300	-50.0200	-47.4070	-41.9000

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.9854	7.0150	10.9779	12.1390	10.4913	-2.2802	6.7994	7.3863	-15.1200
		0.0552	0.0545	0.0545	0.0559	1.0008	0.0559	0.0566	0.0588	1.0008
GAMMA	TA 181	TA 182	W 182	W 183	W 184	RE 184	RE 185	OS 187	OS 188	AU 193
		-46.3440	-48.1560	-46.2720	-45.6190	-43.9900	-43.7250	-41.1410	-40.9090	-33.3100
		-7.6394	-0.9724	4.7905	4.7205	3.8299	-10.0867	0.5570	-0.4531	-23.5514
		0.0595	0.0588	0.0545	0.0545	1.0008	1.0008	0.0801	0.0566	0.0801
N	TA 181	TA 181	W 181	W 182	W 183	RE 183	RE 184	OS 186	OS 187	AU 192
		-48.8620	-48.2400	-48.1560	-46.2720	-45.4000	-43.9900	-42.9700	-41.1410	-32.9500
		-6.1890	-0.2405	3.7609	4.4350	5.4844	-7.6752	0.2694	0.3283	-19.5290
		0.0981	0.0552	0.0552	0.0559	0.0545	0.0559	0.0801	0.0566	0.0716
P	HF 180	HF 181	TA 181	TA 182	TA 183	W 183	W 184	RE 186	RE 187	PT 192
		-49.5300	-47.4070	-46.3440	-45.2040	-46.2720	-45.6190	-41.9000	-41.1400	-36.1900
		-11.2959	-3.9645	-5.4149	-0.2720	1.5214	-12.8692	-3.7525	-4.7586	-25.6559
		0.0890	0.0981	0.0595	0.0552	0.0545	0.0545	0.0559	0.0801	1.0008
D	HF 179	HF 180	TA 180	TA 181	TA 182	W 182	W 183	RE 185	RE 186	PT 191
		-50.2700	-49.5300	-48.8620	-46.3440	-48.1560	-46.2720	-43.7250	-41.9000	-35.9100
		-11.1099	-5.0385	-5.9410	-1.3820	-0.2086	-12.7992	-5.3015	-4.7476	-26.0799
		0.0801	0.0890	0.0890	0.0595	0.0588	0.0545	1.0008	0.0559	0.0801
T	HF 178	HF 179	TA 179	TA 180	TA 181	W 181	W 182	RE 184	RE 185	PT 190
		-52.2700	-50.2700	-50.1500	-48.8620	-48.2400	-48.1560	-43.9900	-43.7250	-37.3000
		-13.3413	-6.3699	-5.8023	-0.6954	-1.0044	-14.5926	-3.6539	-5.1580	-26.8713
		0.0981	0.0981	0.0890	0.0981	0.0552	0.0552	0.0559	0.0559	0.1744
HE3	LU 178	LU 179	HF 179	HF 180	HF 181	TA 181	TA 182	W 184	W 185	IR 190
		-50.0200	-48.9200	-50.2700	-49.5300	-47.4070	-46.3440	-45.6190	-43.2960	-36.4900
		1.3753	7.2367	8.7042	12.5512	13.6252	12.9386	9.5057	9.6716	-12.5847
		0.0801	0.0981	0.0801	0.0890	0.0981	0.0595	0.0545	0.0559	1.0008
HE4	LU 177	LU 178	HF 178	HF 179	HF 180	TA 180	TA 181	W 183	W 184	IR 189
		-52.2300	-50.0200	-52.2700	-50.2700	-49.5300	-48.8620	-46.2720	-45.6190	-38.2700
		-10.7382	-4.5468	-4.3092	-0.1723	1.1918	-0.7369	-13.4534	-3.6998	-2.9649
		0.0635	0.0635	0.0635	0.0802	0.0802	0.1262	0.0891	0.0589	0.0546
HE6	LU 175	LU 176	HF 176	HF 177	HF 178	TA 178	TA 179	W 181	W 182	IR 187
		-55.2900	-53.4100	-54.4300	-52.7200	-52.2700	-50.3600	-50.1500	-48.2400	-39.5300
		-7.6984	-1.0570	-1.8194	2.8475	2.4516	4.6829	-9.8236	-1.2671	-21.3774
		0.0634	0.0801	0.0634	0.0801	0.0981	0.0801	0.0890	0.0552	0.0566
LI6	YB 175	YB 176	LU 176	LU 177	LU 178	HF 178	HF 179	TA 181	TA 182	OS 187
		-54.8200	-53.3900	-53.4100	-52.2300	-50.0200	-52.2700	-50.2700	-46.3440	-41.1410

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MASS EXCESS -49.3650 +/- 0.0490 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.9464		9.0669	10.9850		-2.9302	3.8634	5.0723	-17.8450
		0.0659	MASS	0.0652	1.0012	MASS	0.0854	0.0855	1.0012	1.0012
GAMMA	W 180	W 181	RE 181	RE 182	RE 183	OS 183	OS 184	IR 186	IR 187	HG 192
		-48.2400	UNKNOWN	-45.2960	-45.4000	UNKNOWN	-44.0100	-39.1400	-39.5300	-31.5200
					2.8095				-3.3891	
	MASS		MASS	MASS	0.0652	MASS	MASS	MASS	0.0855	MASS
N	W 179	W 180	RE 180	RE 181	RE 182	OS 182	OS 183	IR 185	IR 186	HG 191
	UNKNOWN		UNKNOWN	UNKNOWN	-45.2960	UNKNOWN	UNKNOWN	UNKNOWN	-39.1400	UNKNOWN
	-6.5040	0.2795		4.7219	6.4520	3.5734	-8.8292	0.1774	1.2233	-22.6940
	0.0938	0.0665		0.0659	0.0620	0.0652	1.0012	0.0633	0.0855	1.4208
P	TA 179	TA 180	W 180	W 181	W 182	RE 182	RE 183	OS 185	OS 186	AU 191
	-50.1500	-48.8620		-48.2400	-48.1560	-45.2960	-45.4000	-42.7430	-42.9700	-33.9600
	-12.1409	-4.2795			0.6890		-14.7802	-4.4025	-4.8506	-29.6309
	0.1296	0.0938	MASS		0.0659	MASS	0.0652	0.0855	0.0633	1.0012
D	TA 178	TA 179	W 179	W 180	W 181	RE 181	RE 182	OS 184	OS 185	AU 190
	-50.3600	-50.1500	UNKNOWN		-48.2400	UNKNOWN	-45.2960	-44.0100	-42.7430	-32.8700
	-12.7529	-5.8835							-5.3976	
	0.0854	0.1296	MASS	MASS		MASS	MASS	MASS	0.0855	MASS
T	TA 177	TA 178	W 178	W 179	W 180	RE 180	RE 181	OS 183	OS 184	AU 189
	-51.5620	-50.3600	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	-44.0100	UNKNOWN
	-11.5763	-3.9549	-6.6473	-1.0104	-0.4844			-13.6316	-4.8079	-5.3990
	0.0854	0.0854	0.1296	0.0938	0.0665			0.0659	1.0012	1.0012
HE3	HF 177	HF 178	TA 178	TA 179	TA 180	W 180		W 181	RE 183	RE 184
	-52.7200	-52.2700	-50.3600	-50.1500	-48.8620			-48.2400	-45.4000	-43.9900
	2.6403	9.0017	7.0612	11.7062	13.3102			7.5947	8.5176	-14.2197
	0.0700	0.0854	0.0854	0.1296	0.0938	MASS		0.0652	1.0012	0.0854
HE4	HF 176	HF 177	TA 177	TA 178	TA 179	W 179	W 180	RE 182	RE 183	PT 188
	-54.4300	-52.7200	-51.5620	-50.3600	-50.1500	UNKNOWN		-45.2960	-45.4000	-37.5700
	-11.4132	-4.1918			-0.4512					
	0.0855	0.0776	MASS	MASS	0.0855	MASS	MASS	MASS	MASS	MASS
HE6	HF 174	HF 175	TA 175	TA 176	TA 177	W 177	W 178	RE 180	RE 181	PT 186
	-55.5500	-54.7000	UNKNOWN	UNKNOWN	-51.5620	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
	-7.8934	-0.0920	-1.4644	4.1125	4.2166	3.0399	-10.6686		-0.3061	-24.3134
	0.0855	0.0700	0.0775	0.0700	0.0855	0.0855	0.1296		0.0659	0.0855
LI6	LU 174	LU 175	HF 175	HF 176	HF 177	TA 177	TA 178	W 180	W 181	IR 186
	-55.5600	-55.2900	-54.7000	-54.4300	-52.7200	-51.5620	-50.3600		-48.2400	-39.1400

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.1874	4.5330	8.9699	10.5189	9.5183	-2.7613	4.0094	5.0213	-16.2960
		0.0537	1.0007	1.0007	0.0552	0.0552	0.0797	0.0589	1.0007	1.0007
GAMMA	W 182	W 183	RE 183	RE 184	RE 185	OS 185	OS 186	IR 188	IR 189	HG 194
		-46.2720	-45.4000	-43.9900	-43.7250	-42.7430	-42.9700	-38.0770	-38.2700	-31.8600
	-7.9874		-3.6424	2.3085	2.7125	2.7139	-11.0597	-2.6090	-3.2431	-25.2574
	0.0581		0.0574	1.0007	1.0007	0.0796	0.0552	1.0007	0.0589	1.0007
N	W 181	W 182	RE 182	RE 183	RE 184	OS 184	OS 185	IR 187	IR 188	HG 193
	-48.2400		-45.2960	-45.4000	-43.9900	-44.0100	-42.7430	-39.5300	-38.0770	-30.9700
	-7.0150	-1.0296		3.9629	5.1240	3.4763	-9.2952	-0.2156	0.3713	-22.1350
	0.0545	0.0545		0.0537	0.0552	1.0007	0.0552	0.0559	0.0581	1.0007
P	TA 181	TA 182	W 182	W 183	W 184	RE 184	RE 185	OS 187	OS 188	AU 193
	-48.4300	-46.3440		-46.2720	-45.6190	-43.9900	-43.7250	-41.1410	-40.9090	-33.3100
	-12.4299	-4.7905	-5.7629		-0.0700	-0.9606	-14.8772	-4.2335	-5.2436	-28.3419
	0.0589	0.0545	0.0581		0.0537	1.0007	1.0007	0.0797	0.0559	0.0796
D	TA 180	TA 181	W 181	W 182	W 183	RE 183	RE 184	OS 186	OS 187	AU 192
	-48.8620	-48.4300	-48.2400		-46.2720	-45.4000	-43.9900	-42.9700	-41.1410	-32.9500
	-12.9559	-6.1725	-6.4520	-1.7300		-2.8786	-15.2812	-6.2745	-5.2287	-29.1459
	0.0886	0.0589	0.0620	0.0581		0.0574	1.0007	0.0552	0.0797	1.4205
T	TA 179	TA 180	W 180	W 181	W 182	RE 182	RE 183	OS 185	OS 186	AU 191
	-50.1500	-48.8620	-49.3650	-48.2400		-45.2960	-45.4000	-42.7430	-42.9700	-33.9600
	-12.8173	-5.4859	-6.9363	-1.5214	-1.7934		-14.3906	-5.2739	-6.2800	-27.1773
	0.0886	0.0977	0.0589	0.0545	0.0545		0.0537	0.0552	0.0797	1.0007
HE3	HF 179	HF 180	TA 180	TA 181	TA 182	W 182	W 183	RE 185	RE 186	PT 191
	-50.2700	-49.5300	-48.8620	-48.4300	-46.3440		-46.2720	-43.7250	-41.9000	-35.9100
	1.6892	7.7607	6.8582	11.4172	12.7992	12.5906		7.4977	8.0515	-13.2807
	0.0797	0.0886	0.0886	0.0589	0.0545	0.0581		1.0007	0.0552	0.0797
HE4	HF 178	HF 179	TA 179	TA 180	TA 181	W 181	W 182	RE 184	RE 185	PT 190
	-52.2700	-50.2700	-50.1500	-48.8620	-48.4300	-48.2400		-43.9900	-43.7250	-37.3000
	-11.3242	-4.9628	-6.9032	-2.2583	-0.6542		-13.9644	-6.3698	-5.4469	-28.1842
	0.0629	0.0797	0.0797	0.1259	0.0887	MASS	0.0621	0.0575	1.0007	0.0797
HE6	HF 176	HF 177	TA 177	TA 178	TA 179	W 179	W 180	RE 182	RE 183	PT 188
	-54.4300	-52.7200	-51.5620	-50.3600	-50.1500	UNKNOWN	-49.3650	-45.2960	-45.4000	-37.5700
	-8.8344	-1.9430	-2.2354	3.1615	2.9756	2.8369	-10.9576		-1.0651	-24.1674
	0.0628	0.0797	0.0797	0.0797	0.0886	0.0886	0.0589		0.0538	0.0589
LI6	LU 176	LU 177	HF 177	HF 178	HF 179	TA 179	TA 180	W 182	W 183	IR 188
	-53.4100	-52.2300	-52.7200	-52.2700	-50.2700	-50.1500	-48.8620		-46.2720	-38.0770

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.4184	5.0070	10.5889	10.5780	11.6293	-2.7062	6.0864	5.1253	-15.1820
		0.0552	1.0007	0.0552	0.0796	0.0796	0.0559	1.0007	0.1742	1.0007
GAMMA	W 183	W 184	RE 184	RE 185	RE 186	OS 186	OS 187	IR 189	IR 190	HG 195
		-45.6190	-43.9900	-43.7250	-41.9000	-42.9700	-41.1410	-38.2700	-36.4900	-31.0900
		-6.1874	-1.6544	2.7825	4.3315	3.3309	-8.9487	-2.1780	-1.1661	-22.4834
		0.0537	1.0007	1.0007	0.0552	0.0552	0.0797	0.0589	1.0007	1.0007
N	W 182	W 183	RE 183	RE 184	RE 185	OS 185	OS 186	IR 188	IR 189	HG 194
		-48.1560	-45.4000	-43.9900	-43.7250	-42.7430	-42.9700	-38.0770	-38.2700	-31.8600
		-7.2170	-0.2855	5.1939	4.6850	5.0954	-9.2362	1.4364	0.1863	-21.3490
		0.0545	0.0552	0.0552	0.0552	0.0552	0.0797	0.0581	0.0886	0.0460
P	TA 182	TA 183	W 183	W 184	W 185	RE 185	RE 186	OS 188	OS 189	AU 194
		-46.3440	-45.2040	-45.6190	-43.2960	-43.7250	-41.9000	-40.9090	-38.8400	-32.2120
		-10.9779	-4.9925	-3.9629	1.1610	-0.4866	-13.2582	-4.1785	-3.5916	-26.0979
		0.0545	0.0545	0.0537	0.0552	1.0007	0.0552	0.0559	0.0581	1.0007
D	TA 181	TA 182	W 182	W 183	W 184	RE 184	RE 185	OS 187	OS 188	AU 193
		-48.4300	-46.3440	-48.1560	-45.6190	-43.9900	-43.7250	-41.1410	-40.9090	-33.3100
		-12.3599	-4.7205	-5.6930	0.0700	-0.8906	-14.8072	-4.1635	-5.1736	-28.2719
		0.0589	0.0545	0.0581	0.0537	1.0007	1.0007	0.0797	0.0559	0.0796
T	TA 180	TA 181	W 181	W 182	W 183	RE 183	RE 184	OS 186	OS 187	AU 192
		-48.8620	-48.4300	-48.2400	-48.1560	-45.4000	-43.9900	-42.9700	-41.1410	-32.9500
		-11.6733	-5.7249	-5.4843	-1.7234	-1.0494	-13.1596	-5.2149	-5.1560	-25.0133
		0.0977	0.0545	0.0545	0.0545	0.0552	0.0552	0.0797	0.0559	0.0710
HE3	HF 180	HF 181	TA 181	TA 182	TA 183	W 183	W 184	RE 186	RE 187	PT 192
		-49.5300	-47.4070	-48.4300	-46.3440	-45.2040	-45.6190	-41.9000	-41.1400	-36.1900
		1.5733	8.9047	7.4542	12.8692	12.5972	14.3906	9.1167	8.1106	-12.7867
		0.0886	0.0977	0.0589	0.0545	0.0545	0.0537	0.0552	0.0797	1.0007
HE4	HF 179	HF 180	TA 180	TA 181	TA 182	W 182	W 183	RE 185	RE 186	PT 191
		-50.2700	-49.5300	-48.8620	-48.4300	-46.3440	-48.1560	-43.7250	-41.9000	-35.9100
		-11.1502	-3.5288	-6.2212	-0.5843	-0.0582	0.4261	-13.2054	-4.3818	-27.1802
		0.0797	0.0797	0.1259	0.0887	0.0590	0.0621	0.0583	1.0007	1.0007
HE6	HF 177	HF 178	TA 178	TA 179	TA 180	W 180	W 181	RE 183	RE 184	PT 189
		-52.7200	-52.2700	-50.3600	-50.1500	-48.8620	-49.3650	-48.2400	-45.4000	-43.9900
		-8.1304	-2.2690	-0.8014	3.0455	4.1196	3.4329	-9.5056	0.1659	-22.0904
		0.0797	0.0977	0.0797	0.0886	0.0977	0.0589	0.0545	0.0552	1.0007
LI6	LU 177	LU 178	HF 178	HF 179	HF 180	TA 180	TA 181	W 183	W 184	IR 189
		-52.2300	-50.0200	-52.2700	-50.2700	-49.5300	-48.8620	-48.4300	-45.6190	-38.2700

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MASS EXCESS -45.6190 +/- 0.0400 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.7484	5.3950	9.4169	10.4709	10.4533	-2.2852	4.9594	5.9583	-13.7810
		0.0566	0.0566	0.0806	0.0573	0.0573	0.0595	0.1746	0.0721	0.0421
GAMMA	W 184	W 185	RE 185	RE 186	RE 187	OS 187	OS 188	IR 190	IR 191	HG 196
		-43.2960	-43.7250	-41.9000	-41.1400	-41.1410	-40.9090	-36.4900	-36.6700	-31.8380
		-7.4184	-2.4114	3.1705	3.1595	4.2109	-10.1247	-1.3320	-2.2931	-22.6004
		0.0552	1.0008	0.0566	0.0806	0.0806	0.0573	1.0008	0.1746	1.0008
N	W 183	W 184	RE 184	RE 185	RE 186	OS 186	OS 187	IR 189	IR 190	HG 195
		-46.2720	-43.9900	-43.7250	-41.9000	-42.9700	-41.1410	-38.2700	-36.4900	-31.0900
		-7.7040	-1.9665	3.5239	4.4800	3.9234	-9.3432	0.0204	0.5393	-20.3600
		0.0566	0.0640	0.0566	0.0580	0.0806	0.0573	0.0894	0.0806	0.0435
P	TA 183	TA 184	W 184	W 185	W 186	RE 186	RE 187	OS 189	OS 190	AU 195
		-45.2040	-42.8700	-43.2960	-42.4380	-41.9000	-41.1400	-38.8400	-38.5400	-32.5480
		-12.4109	-5.4795	-5.1939	-0.5090	-0.0986	-14.4302	-3.7575	-5.0076	-26.5429
		0.0559	0.0566	0.0552	0.0566	0.0566	0.0806	0.0595	0.0894	0.0477
D	TA 182	TA 183	W 183	W 184	W 185	RE 185	RE 186	OS 188	OS 189	AU 194
		-46.3440	-45.2040	-46.2720	-43.2960	-43.7250	-41.9000	-40.9090	-38.8400	-32.2120
		-12.1389	-6.1535	-5.1240	-1.1610	-1.6476	-14.4192	-5.3396	-4.7526	-27.2589
		0.0559	0.0559	0.0552	0.0552	1.0008	0.0566	0.0573	0.0595	1.0008
T	TA 181	TA 182	W 182	W 183	W 184	RE 184	RE 185	OS 187	OS 188	AU 193
		-48.4300	-46.3440	-48.1560	-46.2720	-43.9900	-43.7250	-41.1410	-40.9090	-33.3100
		-13.1433	-6.5589	-6.9173	-2.2104	-2.7304	-14.8296	-5.3219	-6.8500	-26.1413
		0.0559	0.2040	0.0559	0.0566	0.0640	0.0566	0.0573	0.0595	0.0494
HE3	HF 181	HF 182	TA 182	TA 183	TA 184	W 184	W 185	RE 187	RE 188	PT 193
		-47.4070	-45.9200	-46.3440	-45.2040	-42.8700	-43.2960	-41.1400	-38.7930	-34.4090
		1.4863	7.4347	7.6752	11.4362	12.1102	13.1596	7.9447	8.0036	-11.8537
		0.0985	0.0559	0.0559	0.0559	0.0566	0.0552	0.0806	0.0573	0.0721
HE4	HF 180	HF 181	TA 181	TA 182	TA 183	W 183	W 184	RE 186	RE 187	PT 192
		-49.5300	-47.4070	-48.4300	-46.3440	-45.2040	-46.2720	-41.9000	-41.1400	-36.1900
		-10.9472	-4.8758	-5.7782	-1.2193	0.1627	-0.0459	-12.6364	-5.1388	-4.5849
		0.0807	0.0895	0.0895	0.0603	0.0560	0.0596	0.0553	1.0008	0.0567
HE6	HF 178	HF 179	TA 179	TA 180	TA 181	W 181	W 182	RE 184	RE 185	PT 190
		-52.2700	-50.2700	-50.1500	-48.8620	-48.4300	-48.2400	-48.1560	-43.9900	-43.7250
		-9.6874	-2.7160	-2.1484	2.9585	2.6496	3.6539	-10.9386	-1.5041	-23.2174
		0.0985	0.0985	0.0894	0.0985	0.0559	0.0559	0.0559	0.0566	0.1746
LI6	LU 178	LU 179	HF 179	HF 180	HF 181	TA 181	TA 182	W 184	W 185	IR 190
		-50.0200	-48.9200	-50.2700	-49.5300	-47.4070	-48.4300	-46.3440	-43.2960	-36.4900

74 W 184

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74 W 186

MASS EXCESS -42.4380 +/- 0.0420 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.4604	5.9910	9.4909	10.3369	11.3333	-1.4732	6.3834	6.9233	-11.4720
		0.0594	0.0587	0.0608	0.0904	0.0904	0.0816	0.0732	0.0528	0.0424
GAMMA	W 186	W 187	RE 187	RE 188	RE 189	OS 189	OS 190	IR 192	IR 193	HG 198
		-39.8270	-41.1400	-38.7930	-37.8250	-38.8400	-38.5400	-34.7330	-34.4540	-30.9660
		-7.2134	-1.3204	3.7665	3.2335	5.3309	-9.2447	0.2490	-0.8691	-20.1064
		0.0580	0.0816	0.0587	0.0608	0.0608	0.0904	0.0732	0.0732	0.0587
N	W 185	W 186	RE 186	RE 187	RE 188	OS 188	OS 189	IR 191	IR 192	HG 197
		-43.2960	-41.9000	-41.1400	-38.7930	-40.9090	-38.8400	-36.6700	-34.7330	-30.4030
		-8.3270	-2.9156	3.2359	3.5850	3.9974	-9.4772	0.7214	1.0903	-18.5610
		0.0732	0.3029	0.0594	0.0616	0.0608	0.0904	0.0732	0.0653	0.0430
P	TA 185	TA 186	W 186	W 187	W 188	RE 188	RE 189	OS 191	OS 192	AU 197
		-41.4000	-38.7400	-39.8270	-38.3620	-38.7930	-37.8250	-36.3600	-35.9100	-31.1660
		-12.7039	-6.1025	-4.9889	-0.7970	0.4974	-14.3562	-2.9455	-4.3066	-24.4199
		0.0653	0.0732	0.0580	0.0594	0.0587	0.0608	0.0816	0.0732	0.0440
D	TA 184	TA 185	W 185	W 186	W 187	RE 187	RE 188	OS 190	OS 191	AU 196
		-42.8700	-41.4000	-43.2960	-39.8270	-41.1400	-38.7930	-38.5400	-36.3600	-31.1540
		-12.1839	-6.4465	-4.4800	-0.9560	-0.5566	-13.8232	-4.4595	-3.9406	-24.8400
		0.0580	0.0653	0.0580	0.0580	0.0816	0.0587	0.0904	0.0816	0.0453
T	TA 183	TA 184	W 184	W 185	W 186	RE 186	RE 187	OS 189	OS 190	AU 195
		-45.2040	-42.8700	-45.6190	-43.2960	-41.9000	-41.1400	-38.8400	-38.5400	-32.5480
		-14.3693	-7.2104	-2.8334	-3.6794	-15.1176	-5.4559	-7.0220	-24.5933	
		0.2044	MASS	0.0653	0.0732	0.0594	0.0904	0.4121	0.0453	
HE3	HF 183	HF 184	TA 184	TA 185	TA 186	W 186	W 187	RE 189	RE 190	PT 195
		-43.0000	UNKNOWN	-42.8700	-41.4000	-38.7400	-39.8270	-37.8250	-35.4400	-32.7760
		1.0573	6.2087	7.6302	11.1432	11.4872	13.3646	8.0187	7.8695	-10.1417
		0.2044	0.2044	0.0580	0.0653	0.0732	0.0580	0.0608	0.0904	0.0470
HE4	HF 182	HF 183	TA 183	TA 184	TA 185	W 185	W 186	RE 188	RE 189	PT 194
		-45.9200	-43.0000	-45.2040	-42.8700	-41.4000	-43.2960	-38.7930	-37.8250	-34.7210
		-10.5062	-4.5578	-4.3172	-0.5563	0.1177	1.1671	-4.0478	-3.9889	-23.8462
		0.0994	0.0575	0.0575	0.0575	0.0581	0.0568	0.0581	0.0588	0.0733
HE6	HF 180	HF 181	TA 181	TA 182	TA 183	W 183	W 184	RE 186	RE 187	PT 192
		-49.5300	-47.4070	-48.4300	-46.3440	-45.2040	-46.2720	-45.6190	-41.9000	-41.1400
		-10.2964	-1.8304	2.5295	1.4236	3.6089	-11.2316	-1.7921	-1.7934	
		0.1462	MASS	0.0573	0.2044	0.2044	0.0580	0.0653	0.0594	0.0732
LI6	LU 180	LU 181	HF 181	HF 182	HF 183	TA 183	TA 184	W 186	W 187	IR 192
		-46.2300	UNKNOWN	-47.4070	-45.9200	-43.0000	-45.2040	-42.8700	-39.8270	-34.7330

75 RE 185

MASS EXCESS -43.7250 +/- 0.0400 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.2464	6.5340	10.5519	12.1339	9.2833	-3.0302	6.2734	7.3723	-15.5250
			0.0806	0.0806	0.0573	0.0595	0.0602	1.0008	1.0008	0.0721	0.1649
GAMMA	RE 185	RE 186	OS 186	OS 187	OS 188	IR 188	IR 189	PT 191	PT 192	TL 197	
		-41.9000	-42.9700	-41.1410	-40.9090	-38.0770	-38.2700	-35.9100	-36.1900	-28.2000	
			-1.7644	4.3095	4.2945	2.6649	-11.2947	-0.4080	-0.9791	-24.5564	
			0.0566	0.0806	0.0573	1.0008	0.0602	0.0806	1.0008	0.1552	
N	RE 184	RE 185	OS 185	OS 186	OS 187	IR 187	IR 188	PT 190	PT 191	TL 196	
		-43.9900	-42.7430	-42.9700	-41.1410	-39.5300	-38.0770	-37.3000	-35.9100	-27.2400	
			0.3535		4.0219	5.0760	5.0584	-7.6802	-0.4356	0.5633	-19.1760
			0.0566		0.0806	0.0573	0.0573	0.0595	0.1746	0.0721	0.0421
P	W 184	W 185	RE 185	RE 186	RE 187	OS 187	OS 188	IR 190	IR 191	HG 196	
		-45.6190	-43.2960	-41.9000	-41.1400	-41.1410	-40.9090	-36.4900	-36.6700	-31.8380	
			-3.1705	-5.5819		-0.0110	1.0404	-13.2952	-4.5025	-5.4636	-25.7709
			0.0566	1.0008		0.0806	0.0806	0.0573	1.0008	0.1746	1.0008
D	W 183	W 184	RE 184	RE 185	RE 186	OS 186	OS 187	IR 189	IR 190	HG 195	
		-46.2720	-45.6190	-43.9900	-41.9000	-42.9700	-41.1410	-38.2700	-36.4900	-31.0900	
			-4.3315	-5.9860	-1.5490		-1.0006	-13.2802	-6.5095	-5.4976	-26.8149
			0.0552	1.0008	1.0008		0.0566	0.0806	0.0602	1.0008	1.0008
T	W 182	W 183	RE 183	RE 184	RE 185	OS 185	OS 186	IR 188	IR 189	HG 194	
		-48.1560	-46.2720	-45.4000	-43.9900	-42.7430	-42.9700	-38.0770	-38.2700	-31.8600	
			-5.3809	-5.0953	0.0986	-0.4104		-14.3316	-3.6589	-4.9090	-26.4443
			0.0559	0.0566	0.0552	0.0566		0.0806	0.0595	0.0894	0.0477
HE3	TA 182	TA 183	W 183	W 184	W 185	RE 185	RE 186	OS 188	OS 189	AU 194	
		-46.3440	-45.2040	-46.2720	-45.6190	-43.2960	-41.9000	-40.9090	-38.8400	-32.2120	
			8.2657	9.2952	13.2582	14.4192	12.7716		9.0797	9.6666	-12.8397
			0.0559	0.0552	0.0552	0.0566	1.0008		0.0573	0.0595	1.0008
HE4	TA 181	TA 182	W 182	W 183	W 184	RE 184	RE 185	OS 187	OS 188	AU 193	
		-48.4300	-46.3440	-48.1560	-46.2720	-45.6190	-43.9900	-41.1410	-40.9090	-33.3100	
			-4.3898	-4.6692	0.0527	1.7828	-1.0959	-13.4984	-4.4918	-3.4459	-27.3632
			0.0895	0.0634	0.0596	0.0553	0.0589	1.0008	0.0567	0.0807	1.4206
HE6	TA 179	TA 180	W 180	W 181	W 182	RE 182	RE 183	OS 185	OS 186	AU 191	
		-50.1500	-48.8620	-49.3650	-48.2400	-48.1560	-45.2960	-45.4000	-42.7430	-42.9700	-33.9600
			-0.2120	-1.6624	3.7525	3.4806	5.2739	-9.1166		-1.0061	-21.9034
			0.0894	0.0602	0.0559	0.0559	0.0552	0.0552		0.0806	1.0008
LI6	HF 179	HF 180	TA 180	TA 181	TA 182	W 182	W 183	RE 185	RE 186	PT 191	
		-50.2700	-49.5300	-48.8620	-48.4300	-46.3440	-48.1560	-46.2720	-41.9000	-35.9100	

75 Re 185

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.8044		8.2659	10.4699		-4.0152	2.9484	4.8573	-19.6000
		0.0806	MASS	0.0990	1.0024	MASS	0.0990	1.0024	1.4217	1.0124
GAMMA	OS 184	OS 185	IR 185	IR 186	IR 187	PT 187	PT 188	AU 190	AU 191	PB 196
		-42.7430	UNKNOWN	-39.1400	-39.5300	UNKNOWN	-37.5700	-32.8700	-33.9600	-24.4100
					2.0085				-4.3041	
	MASS		MASS	MASS	0.0990	MASS	MASS	MASS	1.0024	MASS
N	OS 183	OS 184	IR 184	IR 185	IR 186	PT 186	PT 187	AU 189	AU 190	PB 195
	UNKNOWN		UNKNOWN	UNKNOWN	-39.1400	UNKNOWN	UNKNOWN	UNKNOWN	-32.8700	UNKNOWN
	-5.8990	0.7624		4.5799	6.6210	2.7723	-9.3442	-0.5206	0.9083	-23.2090
	1.0024	1.0024		0.0806	0.0990	0.0990	1.0024	1.4217	0.0990	1.0124
P	RE 183	RE 184	OS 184	OS 185	OS 186	IR 186	IR 187	PT 189	PT 190	TL 195
	-45.4000	-43.9900		-42.7430	-42.9700	-39.1400	-39.5300	-36.6900	-37.3000	-28.0900
	-11.8499	-3.6745			0.5470		-15.5812	-5.4875	-5.5486	-30.6659
	0.0822	1.0024	MASS		0.0806	MASS	0.0990	0.0990	1.4217	1.4117
D	RE 182	RE 183	OS 183	OS 184	OS 185	IR 185	IR 186	PT 188	PT 189	TL 194
	-45.2960	-45.4000	UNKNOWN		-42.7430	UNKNOWN	-39.1400	-37.5700	-36.6900	-26.4800
		-5.5925							-6.4826	
	MASS	0.0822	MASS	MASS		MASS	MASS	MASS	0.0990	MASS
T	RE 181	RE 182	OS 182	OS 183	OS 184	IR 184	IR 185	PT 187	PT 188	TL 193
	UNKNOWN	-45.2960	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	-37.5700	UNKNOWN
	-10.7013	-2.7139	-6.3563	-0.4054	-0.0014		-13.7736	-5.3229	-5.9570	-27.9713
	0.0827	0.0796	0.0822	1.0024	1.0024		0.0806	1.0024	0.0832	1.0024
HE3	W 181	W 182	RE 182	RE 183	RE 184	OS 184	OS 185	IR 187	IR 188	HG 193
	-48.2400	-48.1560	-45.2960	-45.4000	-43.9900		-42.7430	-39.5300	-38.0770	-30.9700
	2.9302	9.8767		11.9972	13.9152			6.7937	8.0026	-14.9148
	0.0854	0.0827	MASS	0.0822	1.0024	MASS		0.0990	1.0024	1.0024
HE4	W 180	W 181	RE 181	RE 182	RE 183	OS 183	OS 184	IR 186	IR 187	HG 192
	-49.3650	-48.2400	UNKNOWN	-45.2960	-45.4000	UNKNOWN		-39.1400	-39.5300	-31.5200
	-7.7384	0.1230		4.4025	5.0915		-10.3776		-0.4481	-25.2284
	0.1389	0.1063	MASS	0.0855	0.0827	MASS	0.0822		0.0806	1.0024
LI6	TA 178	TA 179	W 179	W 180	W 181	RE 181	RE 182	OS 184	OS 185	AU 190
	-50.3600	-50.1500	UNKNOWN	-49.3650	-48.2400	UNKNOWN	-45.2960		-42.7430	-32.8700

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MASS EXCESS -42.9700 +/- 0.0700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.2424	3.8490	8.2429	10.2500	8.6513	-3.2452	4.0684	5.2473	-17.2700
		0.0811	1.0024	0.0832	1.0024	1.4217	0.0990	0.0990	1.0024	1.0024
GAMMA	OS 186	OS 187	IR 187	IR 188	IR 189	PT 189	PT 190	AU 192	AU 193	PB 198
		-41.1410	-39.5300	-38.0770	-38.2700	-36.6900	-37.3000	-32.9500	-33.3100	-25.7000
		-8.2984	-4.6124	1.6245	1.9855	1.4599	-11.9267	-2.9930	-3.1841	-26.9114
		0.0806	0.0990	1.0024	0.0832	0.0990	1.4217	1.4217	0.0990	1.0124
N	OS 185	OS 186	IR 186	IR 187	IR 188	PT 188	PT 189	AU 191	AU 192	PB 197
		-42.7430	-39.1400	-39.5300	-38.0770	-37.5700	-36.6900	-33.9600	-32.9500	-24.1300
		-6.5340	-0.2875	4.0179	5.6000	2.7494	-9.5642	-0.2606	0.8383	-22.0590
		0.0806	0.0990	0.0811	0.0827	0.0832	1.0024	1.0024	0.0922	0.1746
P	RE 185	RE 186	OS 186	OS 187	OS 188	IR 188	IR 189	PT 191	PT 192	TL 197
		-43.7250	-41.9000	-41.1410	-40.9090	-38.0770	-38.2700	-35.9100	-36.1900	-28.2000
		-12.1159	-4.3095	-6.0739	-0.0150	-1.6446	-15.6042	-4.7175	-5.2886	-28.8659
		1.0024	0.0806	0.0806	0.0811	1.0024	0.0832	0.0990	1.0024	0.1655
D	RE 184	RE 185	OS 185	OS 186	OS 187	IR 187	IR 188	PT 190	PT 191	TL 196
		-43.9900	-43.7250	-42.7430	-41.1410	-39.5300	-38.0770	-37.3000	-35.9100	-27.2400
		-12.5199	-5.8585	-6.6210	-2.0410	-3.8486	-15.9652	-7.1415	-5.7126	-29.8299
		1.0024	1.0024	0.0990	0.0806	0.0990	1.0024	1.4217	0.0990	1.0124
T	RE 183	RE 184	OS 184	OS 185	OS 186	IR 186	IR 187	PT 189	PT 190	TL 195
		-45.4000	-43.9900	-44.0100	-42.7430	-39.1400	-39.5300	-36.6900	-37.3000	-28.0900
		-11.6293	-4.2109	-6.6223	-1.0404	-1.0514	-14.3356	-5.5429	-6.5040	-26.8113
		0.0796	0.0806	1.0024	0.0806	0.0990	0.0811	1.0024	0.1839	1.0024
HE3	W 183	W 184	RE 184	RE 185	RE 186	OS 186	OS 187	IR 189	IR 190	HG 195
		-46.2720	-45.6190	-43.9900	-43.7250	-41.9000	-41.1410	-38.2700	-36.4900	-31.0900
		2.7613	8.6487	7.2942	11.7312	13.2802	12.2796	6.7707	7.7826	-13.5347
		0.0797	0.0797	1.0024	1.0024	0.0806	0.0806	0.0832	1.0024	1.0024
HE4	W 182	W 183	RE 183	RE 184	RE 185	OS 185	OS 186	IR 188	IR 189	HG 194
		-48.1560	-46.2720	-45.4000	-43.9900	-43.7250	-42.7430	-38.0770	-38.2700	-31.8600
		-11.2032	-4.2568	-2.1363	-0.2182	-14.1334	-7.3398	-6.1309	-29.0482	
		0.0855	0.0828	MASS	0.0822	1.0025	MASS	0.0991	1.0025	1.0025
HE6	W 180	W 181	RE 181	RE 182	RE 183	OS 183	OS 184	IR 186	IR 187	HG 192
		-49.3650	-48.2400	UNKNOWN	-45.2960	-45.4000	UNKNOWN	-44.0100	-39.1400	-39.5300
		-8.1964	-0.5570	-1.5294	4.2335	4.1636	3.2729	-10.6436	-1.0101	-24.1084
		0.0832	0.0801	0.0827	0.0797	0.0797	1.0024	1.0024	0.0811	0.0990
LI6	TA 180	TA 181	W 181	W 182	W 183	RE 183	RE 184	OS 186	OS 187	AU 192
		-48.8620	-48.4300	-48.2400	-48.1560	-46.2720	-45.4000	-43.9900	-41.1410	-32.9500

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 MASS EXCESS -41.1410 +/- 0.0410 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.8394	4.2250	10.2649	10.2989	11.0903	-2.8062	6.2574	5.9783	-15.8610
		0.0601	0.0609	1.0008	0.1749	0.0811	1.0008	1.0008	0.0486	1.0408
GAMMA	OS 187	OS 188	IR 188	IR 189	IR 190	PT 190	PT 191	AU 193	AU 194	PB 199
		-40.9090	-38.0770	-38.2700	-36.4900	-37.3000	-35.9100	-33.3100	-32.2120	-25.2800
		-6.2424	-2.3934	2.0005	4.0075	2.4089	-9.4877	-2.1740	-0.9951	-23.5124
		0.0811	1.0008	0.0609	1.0008	1.4206	0.0811	0.0811	1.0008	1.0008
N	OS 186	OS 187	IR 187	IR 188	IR 189	PT 189	PT 190	AU 192	AU 193	PB 198
		-42.9700	-39.5300	-38.0770	-38.2700	-36.6900	-37.3000	-32.9500	-33.3100	-25.7000
		-6.5300	0.7815	5.6149	5.3600	4.7714	-9.5152	1.8484	0.8863	-20.9200
		0.0811	0.0580	0.0601	0.0899	1.0008	0.1749	0.0727	0.0502	0.0899
P	RE 186	RE 187	OS 187	OS 188	OS 189	IR 189	IR 190	PT 192	PT 193	TL 198
		-41.9000	-41.1400	-40.9090	-38.8400	-38.2700	-36.4900	-36.1900	-34.4090	-27.5100
		-10.5519	-4.3055	-4.0179	1.5820	-1.2686	-13.5822	-4.2785	-3.1796	-26.0769
		0.0573	0.0811	0.0811	0.0601	0.0609	1.0008	1.0008	0.0727	0.1652
D	RE 186	RE 186	OS 186	OS 187	OS 188	IR 188	IR 189	PT 191	PT 192	TL 191
		-43.7250	-41.9000	-42.9700	40.9090	-38.0770	-38.2700	-35.9100	-36.1900	-28.2000
		-12.1009	-4.2945	-6.0590	0.0150	-1.6296	-15.5852	-4.7025	-5.2736	-28.8509
		1.0008	0.0573	0.0573	0.0811	1.0008	0.0609	0.0811	1.0008	0.1555
T	RE 184	RE 185	OS 185	OS 186	OS 187	IR 187	IR 188	PT 190	PT 191	TL 196
		-43.9900	-43.7250	-42.7430	-42.9700	-39.5300	-38.0770	-37.3000	-35.9100	-27.2400
		-10.4533	-4.7049	-5.0583	-1.0364	0.0176	-12.7386	-5.4939	-4.4950	-24.2343
		0.0573	0.0573	0.0573	0.0811	0.0580	0.0601	0.1749	0.0727	0.0430
HE3	W 184	W 185	RE 185	RE 186	RE 187	OS 187	OS 188	IR 190	IR 191	HG 196
		-45.6190	-43.2960	-43.7250	-41.9000	-41.1400	-40.9090	-36.4900	-36.6700	-31.8380
		2.7063	10.1247	7.7132	13.2952	13.2842	14.3356	8.7927	7.8316	-12.4757
		0.0559	0.0573	1.0008	0.0573	0.0811	0.0811	1.0008	0.1749	1.0008
HE4	W 183	W 184	RE 184	RE 185	RE 186	OS 186	OS 187	IR 189	IR 190	HG 195
		-46.2720	-45.6190	-43.9900	-43.7250	-41.9000	-42.9700	-38.2700	-36.4900	-31.0900
		-10.4992	-2.5118	-6.1542	-0.2033	0.2007	0.2021	-13.5714	-5.1208	-27.7692
		0.0603	0.0560	0.0595	1.0008	1.0008	0.0812	0.0574	1.0008	0.0610
HE6	W 181	W 182	RE 182	RE 183	RE 184	OS 184	OS 185	IR 187	IR 188	HG 193
		-48.2400	-48.1560	-45.2960	-45.4000	-43.9900	-44.0100	-42.7430	-39.5300	-38.0770
		-6.7994	-0.8140	0.2156	4.1785	5.3396	3.6919	-9.0796	0.5869	-21.9194
		0.0566	0.0566	0.0559	0.0559	0.0573	1.0008	0.0573	0.0602	1.0008
LI6	TA 181	TA 182	W 182	W 183	W 184	RE 184	RE 185	OS 187	OS 188	AU 193
		-48.4300	-46.3440	-48.1560	-46.2720	-45.6190	-43.9900	-43.7250	-40.9090	-33.3100

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MASS EXCESS -40.9090 +/- 0.0440 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.0024	4.6500	8.7169	10.7110	9.9323	-2.2942	5.3914	6.5463	-14.7990
		0.0913	1.0010	0.1756	0.0744	1.0010	0.0744	0.0511	0.0472	1.0010
GAMMA	OS 188	OS 189	IR 189	IR 190	IR 191	PT 191	PT 192	AU 194	AU 195	PB 200
		-38.8400	-38.2700	-36.4900	-36.6700	-35.9100	-36.1900	-32.2120	-32.5480	-26.1100
		-7.8394	-3.6144	2.4255	2.4595	3.2509	-10.6457	-1.5820	-1.8611	-23.7004
		0.0601	0.0629	1.0010	0.1756	0.0827	1.0010	1.0010	0.0511	1.0409
N	OS 187	OS 188	IR 188	IR 189	IR 190	PT 190	PT 191	AU 193	AU 194	PB 199
		-41.1410	-38.0770	-38.2700	-36.4900	-37.3000	-35.9100	-33.3100	-32.2120	-25.2800
		-7.0580	-1.3335	3.7779	5.2920	3.2234	-9.1032	0.2994	1.4303	-19.7480
		0.0601	0.0622	0.0913	0.0827	0.1756	0.0744	0.0527	0.0488	0.3032
P	RE 187	RE 188	OS 188	OS 189	OS 190	IR 190	IR 191	PT 193	PT 194	TL 199
		-41.1400	-38.7930	-38.8400	-38.5400	-36.4900	-36.6700	-34.4090	-34.7210	-28.4500
		-12.1449	-4.8335	-5.6149	-0.2550	-0.8436	-15.1302	-3.7665	-4.7286	-26.5349
		0.0827	0.0601	0.0601	0.0913	1.0010	0.1756	0.0744	0.0527	0.0913
D	RE 186	RE 187	OS 187	OS 188	OS 189	IR 189	IR 190	PT 192	PT 193	TL 198
		-41.9000	-41.1400	-41.1410	-38.8400	-38.2700	-36.4900	-36.1900	-34.4090	-27.5100
		-12.1339	-5.8875	-5.6000	-1.5820	-2.8506	-15.1642	-5.8605	-4.7616	-27.6589
		0.0595	0.0827	0.0827	0.0601	0.0629	1.0010	1.0010	0.0744	0.1659
T	RE 185	RE 186	OS 186	OS 187	OS 188	IR 188	IR 189	PT 191	PT 192	TL 197
		-43.7250	-41.9000	-42.9700	-41.1410	-38.0770	-38.2700	-35.9100	-36.1900	-28.2000
		-12.5443	-5.3309	-6.6513	-1.5644	-2.0974	-14.5756	-5.0819	-6.2000	-25.4373
		0.0595	0.0608	0.0827	0.0601	0.0622	0.0913	0.0744	0.0744	0.0601
HE3	W 185	W 186	RE 186	RE 187	RE 188	OS 188	OS 189	IR 191	IR 192	HG 197
		-43.2960	-42.4380	-41.9000	-41.1400	-38.7930	-38.8400	-36.6700	-34.7330	-30.4030
		2.2853	8.0337	7.6802	11.7022	12.7562	12.7386	7.2447	8.2436	-11.4957
		0.0595	0.0595	0.0595	0.0827	0.0601	0.0601	0.1756	0.0744	0.0459
HE4	W 184	W 185	RE 185	RE 186	RE 187	OS 187	OS 188	IR 190	IR 191	HG 196
		-45.6190	-43.2960	-43.7250	-41.9000	-41.1400	-41.1410	-36.4900	-36.6700	-31.8380
		-10.3512	-4.1638	-5.8182	-1.3813	0.1677	-0.8329	-13.1124	-6.3418	-5.3299
		0.0583	0.0583	1.0010	1.0010	0.0596	0.0596	0.0828	0.0631	1.0010
HE6	W 182	W 183	RE 183	RE 184	RE 185	OS 185	OS 186	IR 188	IR 189	HG 194
		-48.1560	-46.2720	-45.4000	-43.9900	-43.7250	-42.7430	-42.9700	-38.0770	-38.2700
		-8.6534	-1.7220	-1.4364	3.7575	3.2486	3.6589	-10.6726	-1.2501	-22.7854
		0.0588	0.0595	0.0581	0.0595	0.0595	0.0595	0.0827	0.0913	0.0511
LI6	TA 182	TA 183	W 183	W 184	W 185	RE 185	RE 186	OS 188	OS 189	AU 194
		-46.3440	-45.2040	-46.2720	-45.6190	-43.2960	-43.7250	-41.9000	-38.8400	-32.2120

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.7714	4.9390	10.9659	10.8429	12.2813	-2.0062	7.7964	7.2213	-13.5600
		0.1063	0.1879	0.1000	0.1000	0.1000	0.0851	0.0818	0.0811	1.0032
GAMMA	OS 189	OS 190	IR 190	IR 191	IR 192	PT 192	PT 193	AU 195	AU 196	PB 201
		-38.5400	-36.4900	-36.6700	-34.7330	-36.1900	-34.4090	-32.5480	-31.1540	-25.2800
		-6.0024	-1.3524	2.7145	4.7085	3.9299	-8.2967	-0.6110	0.5439	-20.8014
		0.0913	1.0032	0.1879	0.1000	1.0032	0.1000	0.0841	0.0818	1.0032
N	OS 188	OS 189	IR 189	IR 190	IR 191	PT 191	PT 192	AU 194	AU 195	PB 200
		-40.9090	-38.2700	-36.4900	-36.6700	-35.9100	-36.1900	-32.2120	-32.5480	-26.1100
		-7.3360	-0.2326	5.5469	5.1810	5.4723	-8.9712	2.6804	1.5543	-19.0800
		0.0913	0.1131	0.1063	0.1000	0.1000	0.1000	0.0827	0.0818	0.0803
P	RE 188	RE 189	OS 189	OS 190	OS 191	IR 191	IR 192	PT 194	PT 195	TL 200
		-38.7930	-37.8250	-38.5400	-36.3600	-36.6700	-34.7330	-34.7210	-32.7760	-27.0490
		-10.8359	-5.1115	-3.7779	1.5140	-0.5546	-12.8812	-3.4785	-2.3476	-23.5259
		0.0899	0.0913	0.0913	0.1063	0.1879	0.1000	0.0851	0.0827	0.3105
D	RE 187	RE 188	OS 188	OS 189	OS 190	IR 190	IR 191	PT 193	PT 194	TL 199
		-41.1400	-38.7930	-40.9090	-38.5400	-36.4900	-36.6700	-34.4090	-34.7210	-28.4500
		-11.8899	-4.5785	-5.3600	0.2550	-0.5886	-14.8752	-3.5115	-4.4736	-26.2799
		0.1063	0.0899	0.0899	0.0913	1.0032	0.1879	0.1000	0.0851	0.1131
T	RE 186	RE 187	OS 187	OS 188	OS 189	IR 189	IR 190	PT 192	PT 193	TL 198
		-41.9000	-41.1400	-41.1410	-40.9090	-38.2700	-36.4900	-36.1900	-34.4090	-27.5100
		-11.3333	-5.8729	-5.3424	-1.8424	-0.9964	-12.8066	-4.9499	-4.4100	-22.8053
		0.0904	0.0904	0.0899	0.0913	0.1131	0.1063	0.1000	0.0862	0.0802
HE3	W 186	W 187	RE 187	RE 188	RE 189	OS 189	OS 190	IR 192	IR 193	HG 198
		-42.4380	-39.8270	-41.1400	-38.7930	-37.8250	-38.5400	-34.7330	-34.4540	-30.9660
		2.0313	9.2447	7.9242	13.0112	12.4782	14.5756	9.4937	8.3755	-10.8617
		0.0894	0.0904	0.1063	0.0899	0.0913	0.0913	0.1000	0.1000	0.0899
HE4	W 185	W 186	RE 186	RE 187	RE 188	OS 188	OS 189	IR 191	IR 192	HG 197
		-43.2960	-42.4380	-41.9000	-41.1400	-38.7930	-40.9090	-36.6700	-34.7330	-30.4030
		-10.1662	-2.7478	-5.1592	0.4227	0.4117	1.4631	-12.8724	-4.0798	-25.3482
		0.0887	0.0895	1.0032	0.0895	0.1064	0.1064	0.0900	1.0032	0.1879
HE6	W 183	W 184	RE 184	RE 185	RE 186	OS 186	OS 187	IR 189	IR 190	HG 195
		-46.2720	-45.6190	-43.9900	-43.7250	-41.9000	-42.9700	-41.1410	-38.2700	-36.4900
		-7.7244	-1.9870	-0.0204	3.5035	4.4596	3.9029	-9.3636	0.5189	-20.3804
		0.0894	0.0943	0.0894	0.0894	0.0904	0.1063	0.0899	0.1063	0.0818
LI6	TA 183	TA 184	W 184	W 185	W 186	RE 186	RE 187	OS 189	OS 190	AU 195
		-45.2040	-42.8700	-45.6190	-43.2960	-42.4380	-41.9000	-41.1400	-38.5400	-32.5480

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MASS EXCESS -38.5400 +/- 0.0700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.8914	5.4190	9.3289	10.8640	10.8003	-1.3942	6.7024	7.5333	-12.4620
		0.0922	0.0922	0.0922	0.0770	0.0758	0.0731	0.0712	0.0706	0.0796
GAMMA	OS 190	OS 191	IR 191	IR 192	IR 193	PT 193	PT 194	AU 196	AU 197	PB 202
		-36.3600	-36.6700	-34.7330	-34.4540	-34.4090	-34.7210	-31.1540	-31.1660	-26.0780
		-7.7714	-2.8324	3.1945	3.0715	4.5099	-9.7777	0.0250	-0.5501	-21.3314
		0.1063	0.1838	0.0922	0.0922	0.0922	0.0758	0.0720	0.0712	1.0024
N	OS 189	OS 190	IR 190	IR 191	IR 192	PT 192	PT 193	AU 195	AU 196	PB 201
		-38.8400	-36.4900	-36.6700	-34.7330	-36.1900	-34.4090	-32.5480	-31.1540	-25.2800
		-8.0040	-2.3175	3.6669	5.0310	3.8353	-8.9502	1.0354	1.7113	-18.5790
		0.1063	0.4159	0.0922	0.0860	0.0922	0.0770	0.0720	0.0714	0.0922
P	RE 189	RE 190	OS 190	OS 191	OS 192	IR 192	IR 193	PT 195	PT 196	TL 201
		-37.8250	-35.4400	-36.3600	-35.9100	-34.7330	-34.4540	-32.7760	-32.6330	-27.2500
		-12.8829	-5.7795	-5.5469	-0.3660	-0.0746	-14.5182	-2.8665	-3.9926	-24.6269
		0.0827	0.1063	0.1063	0.0922	0.0922	0.0922	0.0731	0.0720	0.0703
D	RE 188	RE 189	OS 189	OS 190	OS 191	IR 191	IR 192	PT 194	PT 195	TL 200
		-38.7930	-37.8250	-38.8400	-36.3600	-36.6700	-34.7330	-34.7210	-32.7760	-27.0490
		-12.3499	-6.6255	-5.2920	-1.5140	-2.0686	-14.3952	-4.9925	-3.8616	-25.0399
		0.0811	0.0827	0.0827	0.1063	0.1838	0.0922	0.0758	0.0731	0.3081
T	RE 187	RE 188	OS 188	OS 189	OS 190	IR 190	IR 191	PT 193	PT 194	TL 199
		-41.1400	-38.7930	-40.9090	-38.8400	-36.4900	-36.6700	-34.4090	-34.7210	-28.4500
		-13.6443	-7.0379	-7.3893	-2.5104	-3.0814	-14.6866	-4.5289	-6.0920	-23.9243
		0.0816	0.0832	0.0827	0.1063	0.4159	0.0922	0.0770	0.0737	0.0703
HE3	W 187	W 188	RE 188	RE 189	RE 190	OS 190	OS 191	IR 193	IR 194	HG 199
		-39.8270	-38.3620	-38.7930	-37.8250	-35.4400	-36.3600	-34.4540	-32.4720	-29.5470
		1.4733	6.9337	7.4642	10.9642	11.8102	12.8066	7.8567	8.3966	-9.9987
		0.0816	0.0816	0.0811	0.0827	0.1063	0.1063	0.0922	0.0770	0.0703
HE4	W 186	W 187	RE 187	RE 188	RE 189	OS 189	OS 190	IR 192	IR 193	HG 198
		-42.4380	-39.8270	-41.1400	-38.7930	-37.8250	-38.8400	-34.7330	-34.4540	-30.9660
		-10.5192	-4.7708	-5.1242	-1.1023	-0.0483	-0.0659	-12.8044	-5.5598	-4.5609
		0.0807	0.0807	0.0807	0.0991	0.0812	0.0812	0.0828	0.1839	0.0923
HE6	W 184	W 185	RE 185	RE 186	RE 187	OS 187	OS 188	IR 190	IR 191	HG 196
		-45.6190	-43.2960	-43.7250	-41.9000	-41.1400	-40.9090	-36.4900	-36.6700	-31.8380
		-9.7584	-3.1570	-2.0434	2.9455	2.1486	3.4429	-11.4106	-1.3611	-21.4744
		0.0860	0.0922	0.0806	0.0816	0.0816	0.0811	0.0827	0.0922	0.0712
LI6	TA 184	TA 185	W 185	W 186	W 187	RE 187	RE 188	OS 190	OS 191	AU 196
		-42.8700	-41.4000	-43.2960	-42.4380	-39.8270	-41.1400	-38.7930	-36.3600	-31.1540

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MASS EXCESS -35.9100 +/- 0.0500 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.4834	5.8330	9.6979	10.8200	11.7973	-0.8522	7.7724	8.0823	-10.8010
		0.0599	0.0594	0.0550	0.1118	0.0528	0.0519	0.0504	0.0505	0.0506
GAMMA	OS 192	OS 193	IR 193	IR 194	IR 195	PT 195	PT 196	AU 198	AU 199	PB 204
		-33.3220	-34.4540	-32.4720	-31.7800	-32.7760	-32.6330	-29.5940	-29.0850	-25.1090
		-7.6214	-1.9594	3.6085	3.4405	5.6709	-8.7807	1.2730	0.5199	-19.0454
		0.0781	0.0781	0.0594	0.0550	0.0542	0.0528	0.0508	0.0504	0.0514
N	OS 191	OS 192	IR 192	IR 193	IR 194	PT 194	PT 195	AU 197	AU 198	PB 203
		-36.3600	-34.7330	-34.4540	-32.4720	-34.7210	-32.7760	-31.1660	-29.5940	-24.9360
				3.2589	4.1260	4.2044	-8.9942	1.3044	1.6133	-17.4460
				0.0599	0.0550	0.0550	0.1118	0.0514	0.0546	0.0505
P	MASS RE 191	MASS RE 192	OS 192	OS 193	OS 194	IR 194	IR 195	PT 197	PT 198	TL 203
	UNKNOWN	UNKNOWN		-33.3220	-32.3750	-32.4720	-31.7800	-30.4150	-29.9050	-25.7530
				-13.6059		-0.7740	0.3394	-14.1492	-2.3245	-3.7236
				0.4130	MASS	0.0599	0.0594	0.0550	0.0519	0.0514
D	RE 190	RE 191	OS 191	OS 192	OS 193	IR 193	IR 194	PT 196	PT 197	TL 202
		UNKNOWN	-36.3600		-33.3220	-34.4540	-32.4720	-32.6330	-30.4150	-26.1280
				-13.0349	-7.3485	-5.0310	-1.3640			
				0.0943	0.4130	0.0860	0.0781			
T	RE 189	RE 190	OS 190	OS 191	OS 192	IR 192	IR 193	PT 195	PT 196	TL 201
		-35.4400	-38.5400	-36.3600		-34.7330	-34.4540	-32.7760	-32.6330	-27.2500
				-8.1123				-15.0946	-4.9729	-6.7010
				0.4130	MASS	MASS		0.0599	0.1118	0.0555
HE3	MASS W 189	MASS W 190	RE 190	RE 191	RE 192	OS 192	OS 193	IR 195	IR 196	HG 201
	UNKNOWN	UNKNOWN	-35.4400	UNKNOWN	UNKNOWN		-33.3220	-31.7800	-29.2330	-27.6580
				0.0273	6.7792	10.2412		12.9566	8.2257	8.3526
				0.0673	MASS	0.0943	MASS	0.0781	0.0550	0.1118
HE4	W 188	W 189	RE 189	RE 190	RE 191	OS 191	OS 192	IR 194	IR 195	HG 200
		UNKNOWN	-37.8250	-35.4400	UNKNOWN	-36.3600		-32.4720	-31.7800	-29.5030
				-11.0702	-5.6098	-5.0792	-1.5793	-0.7333	0.2631	-12.5434
				0.0654	0.0654	0.0648	0.0667	0.0944	0.0944	0.0861
HE6	W 186	W 187	RE 187	RE 188	RE 189	OS 189	OS 190	IR 192	IR 193	HG 198
		-39.8270	-41.1400	-38.7930	-37.8250	-38.8400	-38.5400	-34.7330	-34.4540	-30.9660
				-11.2584	-2.8824	1.4995		2.7579	-12.1336	
				0.3041	MASS	0.0653	MASS	0.0943	0.4130	
LI6	TA 186	TA 187	W 187	W 188	W 189	RE 189	RE 190	OS 192	OS 193	AU 198
		UNKNOWN	-39.8270	-38.3620	UNKNOWN	-37.8250	-35.4400		-33.3220	-29.5940

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MASS EXCESS -36.6700 +/- 0.0600 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.1344	6.8090	10.8749	13.0010	10.4733	-1.6972	7.8214	9.2033	-14.9200
		0.0849	0.0849	0.0666	0.0636	0.0654	0.0624	0.0727	0.0603	0.0781
GAMMA	IR 191	IR 192	PT 192	PT 193	PT 194	AU 194	AU 195	HG 197	HG 198	BI 203
		-34.7330	-36.1900	-34.4090	-34.7210	-32.2120	-32.5480	-30.4030	-30.9660	-21.7500
		-8.2514	-1.5424	4.5845	4.6175	3.4999	-10.1047	1.1850	0.5689	-24.1314
		0.1803	1.0018	0.0849	0.0666	1.0018	0.0654	0.0614	0.0727	1.0018
N	IR 190	IR 191	PT 191	PT 192	PT 193	AU 193	AU 194	HG 196	HG 197	BI 202
		-36.4900	-35.9100	-36.1900	-34.4090	-33.3100	-32.2120	-31.8380	-30.4030	-20.6100
		-5.4190	0.4725	3.9099	5.4450	5.3813	-6.8132	1.2834	2.1143	-17.8810
		0.0922	0.0849	0.0849	0.0680	0.0666	0.0636	0.0614	0.0607	0.0710
P	OS 190	OS 191	IR 191	IR 192	IR 193	PT 193	PT 194	AU 196	AU 197	PB 202
		-38.5400	-36.3600	-34.7330	-34.4540	-34.4090	-34.7210	-31.1540	-31.1660	-26.0780
		-10.9659	-3.1945	-6.0269	-0.1230	1.3154	-12.9722	-3.1695	-3.7446	-24.5259
		0.1000	0.0922	0.1803	0.0849	0.0849	0.0666	0.0624	0.0614	1.0018
D	OS 189	OS 190	IR 190	IR 191	IR 192	PT 192	PT 193	AU 195	AU 196	PB 201
		-38.8400	-38.5400	-36.4900	-34.7330	-36.1900	-34.4090	-32.5480	-31.1540	-25.2800
		-10.7109	-4.7085	-6.0610	-1.9940	-0.7786	-13.0052	-5.3196	-4.1646	-25.5099
		0.0744	0.1000	1.0018	0.1803	1.0018	0.0849	0.0654	0.0624	1.0018
T	OS 188	OS 189	IR 189	IR 190	IR 191	PT 191	PT 192	AU 194	AU 195	PB 200
		-40.9090	-38.8400	-38.2700	-36.4900	-35.9100	-36.1900	-32.2120	-32.5480	-26.1100
		-12.8083	-5.7049	-5.4723	0.0746	-0.2914	-14.4436	-2.7919	-3.9180	-24.5523
		0.0744	0.1000	0.1000	0.0922	0.0849	0.0849	0.0636	0.0624	0.0604
HE3	RE 188	RE 189	OS 189	OS 190	OS 191	IR 191	IR 192	PT 194	PT 195	TL 200
		-38.7930	-37.8250	-38.8400	-38.5400	-36.3600	-34.7330	-34.7210	-32.7760	-27.0490
		2.0452	7.7697	9.1032	12.8812	14.3952	12.3266	9.4027	10.5336	-10.6447
		0.0727	0.0744	0.0744	0.1000	0.0922	0.1803	0.0667	0.0636	0.3059
HE4	RE 187	RE 188	OS 188	OS 189	OS 190	IR 190	IR 191	PT 193	PT 194	TL 199
		-41.1400	-38.7930	-40.9090	-38.8400	-38.5400	-36.4900	-34.4090	-34.7210	-28.4500
		-10.5432	-4.2968	-4.0092	0.0087	1.5907	-1.2599	-13.5734	-4.2698	-3.1709
		0.0722	0.0923	0.0923	0.0728	0.0745	0.0751	1.0018	0.0850	0.1709
HE6	RE 185	RE 186	OS 186	OS 187	OS 188	IR 188	IR 189	PT 191	PT 192	TL 197
		-43.7250	-41.9000	-42.9700	-41.1410	-40.9090	-38.0770	-38.2700	-35.9100	-36.1900
		-7.4624	-0.2490	-1.5694	3.5175	2.9846	5.0819	-9.4936	-1.1181	-20.3554
		0.0721	0.0732	0.0922	0.0727	0.0744	0.0744	0.1000	0.0849	0.0727
LI6	W 185	W 186	RE 186	RE 187	RE 188	OS 188	OS 189	IR 191	IR 192	HG 197
		-43.2960	-42.4380	-41.9000	-41.1400	-38.7930	-40.9090	-38.8400	-34.7330	-30.4030

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MASS EXCESS -34.4540 +/- 0.0320 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING											
			6.0894	7.5560	11.4579	13.1289	11.6313	-0.8632	9.1814	9.9563	-13.3860
			0.0394	0.0383	0.0362	0.0349	0.0345	0.0332	0.0328	0.0326	0.0342
GAMMA	IR 193	IR 194	PT 194	PT 195	PT 196	AU 196	AU 197	HG 199	HG 200	BI 205	
		-32.4720	-34.7210	-32.7760	-32.6330	-31.1540	-31.1660	-29.5470	-29.5030	-21.0680	
		-7.7924	-0.8274	5.3315	5.2005	4.9539	-8.9467	2.5290	1.9289	-21.8554	
		0.0680	0.0432	0.0383	0.0362	0.0362	0.0345	0.0326	0.0328	1.0005	
N	IR 192	IR 193	PT 193	PT 194	PT 195	AU 195	AU 196	HG 198	HG 199	BI 204	
		-34.7330	-34.4090	-34.7210	-32.7760	-32.5480	-31.1540	-30.9660	-29.5470	-20.6700	
		-5.8330	-0.3495	3.8649	4.9870	5.9643	-6.6852	1.9394	2.2493	-16.6340	
		0.0594	0.0460	0.0394	0.1050	0.0362	0.0349	0.0326	0.0328	0.0330	
P	OS 192	OS 193	IR 193	IR 194	IR 195	PT 195	PT 196	AU 198	AU 199	PB 204	
		-35.9100	-33.3220	-32.4720	-31.7800	-32.7760	-32.6330	-29.5940	-29.0850	-25.1090	
		-11.2299	-3.6085	-5.5679	-0.1680	2.0624	-12.3892	-2.3355	-3.0886	-22.6539	
		0.0680	0.0594	0.0680	0.0394	0.0383	0.0362	0.0333	0.0326	0.0342	
D	OS 191	OS 192	IR 192	IR 193	IR 194	PT 194	PT 195	AU 197	AU 198	PB 203	
		-36.3600	-35.9100	-34.7330	-32.4720	-34.7210	-32.7760	-31.1660	-29.5940	-24.9360	
		-10.8639	-4.9725	-5.4450	-1.5350	-0.0636	-12.2582	-4.1615	-3.3306	-23.3259	
		0.0770	0.0680	0.0680	0.0680	0.0432	0.0383	0.0346	0.0333	0.0497	
T	OS 190	OS 191	IR 191	IR 192	IR 193	PT 193	PT 194	AU 196	AU 197	PB 202	
		-38.5400	-36.3600	-36.6700	-34.7330	-34.4090	-34.7210	-31.1540	-31.1660	-26.0780	
		-13.9453	-5.7363	-0.3394	-1.1134	-14.4886	-2.6639	-4.0630	-23.2573		
		0.4112	MASS	0.0680	0.0594	0.0460	0.0394	0.0349	0.0342	0.0394	
HE3	RE 190	RE 191	OS 191	OS 192	OS 193	IR 193	IR 194	PT 196	PT 197	TL 202	
		-35.4400	UNKNOWN	-36.3600	-35.9100	-33.3220	-32.4720	-32.6330	-30.4150	-26.1280	
		0.9462	6.6327	8.9502	12.6172	13.9812	12.7856	9.9857	10.6616	-9.6287	
		0.0862	0.4112	0.0770	0.0680	0.0594	0.0680	0.0363	0.0349	0.0680	
HE4	RE 189	RE 190	OS 190	OS 191	OS 192	IR 192	IR 193	PT 195	PT 196	TL 201	
		-37.8250	-35.4400	-38.5400	-36.3600	-35.9100	-34.7330	-32.7760	-32.6330	-27.2500	
		-10.9122	-5.1878	-3.8542	-0.0763	1.4377	-0.6309	-12.9574	-3.5548	-2.4239	-23.6022
		0.0522	0.0546	0.0546	0.0863	0.0771	0.1730	0.0681	0.0434	0.0385	0.3017
HE6	RE 187	RE 188	OS 188	OS 189	OS 190	IR 190	IR 191	PT 193	PT 194	TL 199	
		-41.1400	-38.7930	-40.9090	-38.8400	-38.5400	-36.4900	-36.6700	-34.4090	-34.7210	-28.4500
		-8.7154	-2.1090	-2.4604	2.4185	1.8476	4.9289	-9.7576	-1.1631	-18.9954	
		0.0528	0.0552	0.0544	0.0862	0.4112	0.0770	0.0680	0.0394	0.0328	
LI6	W 187	W 188	RE 188	RE 189	RE 190	OS 190	OS 191	IR 193	IR 194	HG 199	
		-39.8270	-38.3620	-38.7930	-37.8250	-35.4400	-38.5400	-36.3600	-32.4720	-29.5470	

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78 PT 190

MASS EXCESS -37.3000 +/- 0.0700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.6814	3.9490	8.7859	10.9599	8.6013	-3.0152	4.0284	5.8073	-19.7200
		1.0024	1.4217	0.0990	1.0024	1.0024	1.0024	0.1655	0.1746	1.0024
GAMMA	PT 190	PT 191	AU 191	AU 192	AU 193	HG 193	HG 194	TL 196	TL 197	PO 202
		-35.9100	-33.9600	-32.9500	-33.3100	-30.9700	-31.8600	-27.2400	-28.2000	-17.5800
		-8.6814	-5.2125	1.7245	2.5285	1.0799	-11.9767	-3.1930	-3.2241	-29.5514
		1.4217	1.0024	1.4217	0.0990	1.0024	1.0024	1.0124	0.1655	1.0124
N	PT 189	PT 190	AU 190	AU 191	AU 192	HG 192	HG 193	TL 195	TL 196	PO 201
		-36.6900	-32.8700	-33.9600	-32.9500	-31.5200	-30.9700	-28.0900	-27.2400	-15.8200
		-6.3190	-0.0276	4.4569	6.5510	3.2923	-8.8542	0.5894	2.1563	-23.5090
		1.0024	0.1838	1.0024	0.0922	0.0990	1.0024	1.0024	0.0712	1.4217
P	IR 189	IR 190	PT 190	PT 191	PT 192	AU 192	AU 193	HG 195	HG 196	BI 201
		-38.2700	-36.4900	-35.9100	-36.1900	-32.9500	-33.3100	-31.0900	-31.8380	-21.0800
		-12.3589	-4.0945	-6.4569	0.4240	-1.5446	-15.0612	-4.4875	-4.4386	-30.8159
		0.0832	1.0024	1.4217	1.0024	1.4217	0.0990	1.0024	1.0024	1.4117
D	IR 188	IR 189	PT 189	PT 190	PT 191	AU 191	AU 192	HG 194	HG 195	BI 200
		-38.0770	-38.2700	-36.6900	-35.9100	-33.9600	-32.9500	-31.8600	-31.0900	-19.6200
		-12.7199	-6.1015	-7.3910	-2.4240	-4.4486	-15.8652	-7.1916	-5.4827	-32.1700
		1.0024	0.0832	0.0990	1.4217	1.0024	1.4217	1.0024	1.0024	1.0124
T	IR 187	IR 188	PT 188	PT 189	PT 190	AU 190	AU 191	HG 193	HG 194	BI 199
		-39.5300	-38.0770	-37.5700	-36.6900	-32.8700	-33.9600	-30.9700	-31.8600	-20.0800
		-11.0903	-3.2509	-6.8653	-0.8254	-0.7914	-13.8966	-4.8329	-5.1120	-26.9513
		0.0811	0.0827	0.0832	1.0024	0.1838	1.0024	1.0024	0.0747	1.0424
HE3	OS 187	OS 188	IR 188	IR 189	IR 190	PT 190	PT 191	AU 193	AU 194	PB 199
		-41.1410	-40.9090	-38.0770	-38.2700	-36.4900	-35.9100	-33.3100	-32.2120	-25.2800
		3.2452	9.4877	7.0942	11.4882	13.4952	11.8966	7.3136	8.4925	-14.0247
		0.0990	0.0811	1.0024	0.0832	1.0024	1.4217	0.0990	1.0024	1.0024
HE4	OS 186	OS 187	IR 187	IR 188	IR 189	PT 189	PT 190	AU 192	AU 193	PB 198
		-42.9700	-41.1410	-39.5300	-38.0770	-38.2700	-36.6900	-32.9500	-33.3100	-25.7000
		-10.8882	-4.0838	-2.6223	-0.4183	-14.9034	-7.9398	-6.0309	-30.4882	
		0.0991	0.0807	MASS	0.0991	1.0025	MASS	0.0991	1.0025	1.4217
HE6	OS 184	OS 185	IR 185	IR 186	IR 187	PT 187	PT 188	AU 190	AU 191	PB 196
		-44.0100	-42.7430	UNKNOWN	-39.1400	-39.5300	UNKNOWN	-37.5700	-32.8700	-33.9600
		-7.3984	0.4080	-1.3564	4.7175	4.7025	3.0729	-10.8866	-0.5711	-24.1484
		1.0024	0.0806	0.0806	0.0990	0.0811	1.0024	0.0832	1.0024	0.1655
LI6	RE 184	RE 185	OS 185	OS 186	OS 187	IR 187	IR 188	PT 190	PT 191	TL 196
		-43.9900	-43.7250	-42.7430	-42.9700	-41.1410	-39.5300	-38.0770	-35.9100	-27.2400

78 PT 192

MASS EXCESS -36.1900 +/- 0.0600 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.2904	4.4090	9.1579	11.3079	9.8313	-1.9272	5.4084	7.1673	-17.9900
		0.0666	1.0018	0.0654	0.0624	1.0018	0.0614	0.1000	0.3059	1.0018
GAMMA	PT 192	PT 193	AU 193	AU 194	AU 195	HG 195	HG 196	TL 198	TL 199	PO 204
		-34.4090	-33.3100	-32.2120	-32.5480	-31.0900	-31.8380	-27.5100	-28.4500	-18.2000
		-8.3514	-4.0224	2.1845	2.9005	2.5299	-10.7467	-1.9730	-1.8441	-27.0014
		1.0018	0.0922	1.0018	0.0654	1.0018	1.0018	0.1709	0.1000	1.0417
N	PT 191	PT 192	AU 192	AU 193	AU 194	HG 194	HG 195	TL 197	TL 198	PO 203
		-35.9100	-32.9500	-33.3100	-32.2120	-31.8600	-31.0900	-28.2000	-27.5100	-17.2600
		-6.8090	-0.6746	4.0659	6.1920	3.6643	-8.5062	1.0124	2.3943	-21.7290
		0.0849	0.0849	0.0666	0.0636	0.0654	0.0624	0.0727	0.0603	0.0781
P	IR 191	IR 192	PT 192	PT 193	PT 194	AU 194	AU 195	HG 197	HG 198	BI 203
		-36.6700	-34.7330	-34.4090	-34.7210	-32.2120	-32.5480	-30.4030	-30.9660	-21.7500
		-12.8359	-4.5845	-6.1269	0.0330	-1.0846	-14.6892	-3.3995	-4.0156	-28.7159
		0.1803	0.0849	1.0018	0.0666	1.0018	0.0654	0.0614	0.0727	1.0018
D	IR 191	IR 191	PT 191	PT 192	PT 193	AU 193	AU 194	HG 196	HG 197	BI 202
		-36.4900	-36.6700	-35.9100	-34.4090	-33.3100	-32.2120	-31.8380	-30.4030	-20.6100
		-12.8699	-6.5785	-6.5510	-2.0940	-3.2586	-15.4052	-5.9615	-4.3946	-30.0599
		1.0018	0.1803	0.0922	1.0018	0.0922	1.0018	1.0018	0.0614	1.4213
T	IR 189	IR 190	PT 190	PT 191	PT 192	AU 192	AU 193	HG 195	HG 196	BI 201
		-38.2700	-36.4900	-37.3000	-35.9100	-32.9500	-33.3100	-31.0900	-31.8380	-21.0800
		-12.2813	-4.5099	-7.3424	-1.3154	-1.4384	-14.2876	-4.4849	-5.0600	-25.8413
		0.1000	0.0922	0.1803	0.0849	0.0849	0.0666	0.0624	0.0614	1.0018
HE3	OS 189	OS 190	IR 190	IR 191	IR 192	PT 192	PT 193	AU 195	AU 196	PB 201
		-38.8400	-38.5400	-36.4900	-36.6700	-34.7330	-34.4090	-32.5480	-31.1540	-25.2800
		2.2943	8.2967	6.9442	11.0112	13.0052	12.2266	7.6857	8.8405	-12.5048
		0.0744	0.1000	1.0018	0.1803	0.0849	1.0018	0.0654	0.0624	1.0018
HE4	OS 188	OS 189	IR 189	IR 190	IR 191	PT 191	PT 192	AU 194	AU 195	PB 200
		-40.9090	-38.8400	-38.2700	-36.4900	-36.6700	-35.9100	-32.2120	-32.5480	-26.1100
		-10.8182	-4.5758	-6.9692	-2.5753	-0.5683	-2.1669	-14.0634	-6.7498	-28.0882
		0.0923	0.0728	1.0018	0.0751	1.0018	1.4213	0.0923	0.0923	1.0018
HE6	OS 186	OS 187	IR 187	IR 188	IR 189	PT 189	PT 190	AU 192	AU 193	PB 198
		-42.9700	-41.1410	-39.5300	-38.0770	-38.2700	-36.6900	-37.3000	-32.9500	-33.3100
		-8.3784	-1.0670	-1.8484	3.7665	3.5116	2.9229	-11.3636	-0.9621	-22.7684
		0.0922	0.0727	0.0727	0.0744	0.1000	1.0018	0.1803	0.0667	0.1000
LI6	RE 186	RE 187	OS 187	OS 188	OS 189	IR 189	IR 190	PT 192	PT 193	TL 198
		-41.9000	-41.1400	-41.1410	-40.9090	-38.8400	-38.2700	-36.4900	-34.4090	-27.5100

78 PT 194

MASS EXCESS -34.7210 +/- 0.0210 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.1264	5.1160	9.5689	11.3949	10.6133	-1.3302	6.4164	7.4363	-16.3930
		0.0270	0.0270	0.0247	0.0228	0.0461	0.0218	0.0222	0.0636	0.0443	
GAMMA	PT 194	PT 195	AU 195	AU 196	AU 197	HG 197	HG 198	TL 200	TL 201	PO 206	
		-32.7760	-32.5480	-31.1540	-31.1660	-30.4030	-30.9660	-27.0490	-27.2500	-18.3280	
		-8.3834		-3.2915	2.8915	3.3115	3.9769	-9.9647	-0.2540	-0.8361	-25.2824
		0.0358		0.0334	0.0270	0.0247	0.0247	0.0461	0.3007	0.0222	1.0002
N	PT 193	PT 194	AU 194	AU 195	AU 196	HG 196	HG 197	TL 199	TL 200	PO 205	
		-34.4090	-32.2120	-32.5480	-31.1540	-31.8380	-30.4030	-28.4500	-27.0490	-17.5100	
		-7.5560	-1.4665		3.9019	5.5730	4.0753	-8.4192	1.6254	2.4003	-20.9420
		0.0383	0.0311		0.0270	0.0252	0.0247	0.0229	0.0222	0.0219	0.0242
P	IR 193	IR 194	PT 194	PT 195	PT 196	AU 196	AU 197	HG 199	HG 200	BI 205	
		-34.4540	-32.4720		-32.7760	-32.6330	-31.1540	-31.1660	-29.5470	-29.5030	-21.0680
		-13.1239	-5.3315	-6.1589		-0.1310	-0.3776	-14.2782	-2.8025	-3.4026	-27.1869
		0.0636	0.0383	0.0358		0.0270	0.0270	0.0247	0.0219	0.0222	1.0002
D	IR 192	IR 193	PT 193	PT 194	PT 195	AU 195	AU 196	HG 198	HG 199	BI 204	
		-34.7330	-34.4540	-34.4090		-32.7760	-32.5480	-31.1540	-30.9660	-29.5470	-20.6700
		-13.0009	-6.8665	-6.1920	-2.1260		-2.5276	-14.6982	-5.1795	-3.7976	-27.9209
		0.0636	0.0636	0.0636	0.0358		0.0334	0.0270	0.0461	0.0219	0.0542
T	IR 191	IR 192	PT 192	PT 193	PT 194	AU 194	AU 195	HG 197	HG 198	BI 203	
		-36.6700	-34.7330	-36.1900	-34.4090		-32.2120	-32.5480	-30.4030	-30.9660	-21.7500
		-13.2923	-5.6709	-7.6304	-2.0624	-2.2304		-14.4516	-4.3979	-5.1510	-24.7163
		0.0636	0.0542	0.0636	0.0383	0.0311		0.0270	0.0229	0.0219	0.0242
HE3	OS 191	OS 192	IR 192	IR 193	IR 194	PT 194	PT 195	AU 197	AU 198	PB 203	
		-36.3600	-35.9100	-34.7330	-34.4540	-32.4720		-32.7760	-31.1660	-29.5940	-24.9360
		1.3942	7.2857	6.8132	10.7232	12.2582	12.1946		8.0967	8.9275	-11.0677
		0.0731	0.0636	0.0636	0.0636	0.0383	0.0358		0.0247	0.0229	0.0434
HE4	OS 190	OS 191	IR 191	IR 192	IR 193	PT 193	PT 194	AU 196	AU 197	PB 202	
		-38.5400	-36.3600	-36.6700	-34.7330	-34.4540	-34.4090		-31.1540	-31.1660	-26.0780
		-11.4102	-5.4078	-6.7602	-2.6933	-0.6993	-1.4779	-13.7044	-6.0188	-4.8639	-26.2092
		0.0489	0.0828	1.0002	0.1713	0.0637	1.0002	0.0637	0.0337	0.0273	1.0002
HE6	OS 188	OS 189	IR 189	IR 190	IR 191	PT 191	PT 192	AU 194	AU 195	PB 200	
		-40.9090	-38.8400	-38.2700	-36.4900	-36.6700	-35.9100	-36.1900	-32.2120	-32.5480	-26.1100
		-10.0164	-2.9130	-2.6804	2.8665	2.5006	2.7919	-11.6516		-1.1261	-21.7604
		0.0488	0.0827	0.0827	0.0731	0.0636	0.0636	0.0636		0.0271	0.0222
LI6	RE 188	RE 189	OS 189	OS 190	OS 191	IR 191	IR 192	PT 194	PT 195	TL 200	
		-38.7930	-37.8250	-38.8400	-38.5400	-36.3600	-36.6700	-34.7330		-32.7760	-27.0490

78 PT 195

MASS EXCESS -32.7760 +/- 0.0170 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.9284	5.6670	11.5259	11.7680	13.1213	-0.8043	8.5624	8.2593	-15.6410
		0.0220	0.0214	0.0192	0.0180	0.0180	0.0184	0.0624	0.0286	0.0214
GAMMA	PT 195	PT 196	AU 196	AU 197	AU 198	HG 198	HG 199	TL 201	TL 202	PO 207
		-32.6330	-31.1540	-31.1660	-29.5940	-30.9660	-29.5470	-27.2500	-26.1280	-17.1350
		-6.1264	-1.0104	3.4425	5.2685	4.4869	-7.4567	0.2900	1.3099	-22.5194
		0.0270	0.0240	0.0214	0.0192	0.0444	0.0180	0.0184	0.0624	0.0425
N	PT 194	PT 195	AU 195	AU 196	AU 197	HG 197	HG 198	TL 200	TL 201	PO 206
		-34.7210	-32.5480	-31.1540	-31.1660	-30.4030	-30.9660	-27.0490	-27.2500	-18.3280
		-7.5930	-0.2136	5.7039	5.3000	6.0323	-8.0462	3.5264	2.5003	-19.9350
		0.0286	0.1014	0.0220	0.0208	0.0192	0.0180	0.0181	0.0184	0.0311
P	IR 194	IR 195	PT 195	PT 196	PT 197	AU 197	AU 198	HG 200	HG 201	BI 206
		-32.4720	-31.7800	-32.6330	-30.4150	-31.1660	-29.5940	-29.5030	-27.6580	-20.1300
		-11.4579	-5.3685	-3.9019	1.6710	0.1734	-12.3212	-2.2765	-1.5016	-24.8439
		0.0362	0.0286	0.0270	0.0220	0.0214	0.0192	0.0184	0.0181	0.0208
D	IR 193	IR 194	PT 194	PT 195	PT 196	AU 196	AU 197	HG 199	HG 200	BI 205
		-34.4540	-32.4720	-34.7210	-32.6330	-31.1540	-31.1660	-29.5470	-29.5030	-21.0680
		-12.9929	-5.2005	-6.0280	0.1310	-0.2466	-14.1472	-2.6715	-3.2716	-27.0559
		0.0624	0.0362	0.0336	0.0270	0.0240	0.0214	0.0181	0.0184	1.0001
T	IR 192	IR 193	PT 193	PT 194	PT 195	AU 195	AU 196	HG 198	HG 199	BI 204
		-34.7330	-34.4540	-34.4090	-34.7210	-32.5480	-31.1540	-30.9660	-29.5470	-20.6700
		-11.7973	-6.3139	-5.9643	-2.0994	-0.9774	-12.6496	-4.0249	-3.7150	-22.5983
		0.0528	0.0371	0.0362	0.0286	0.1014	0.0220	0.0181	0.0184	0.0188
HE3	OS 192	OS 193	IR 193	IR 194	IR 195	PT 195	PT 196	AU 198	AU 199	PB 204
		-35.9100	-33.3220	-34.4540	-32.4720	-31.7800	-32.6330	-29.5940	-29.0850	-25.1090
		1.1593	8.7807	6.8212	12.3892	12.2212	14.4516	10.0537	9.3006	-10.2647
		0.0624	0.0528	0.0624	0.0362	0.0286	0.0270	0.0193	0.0181	0.0208
HE4	OS 191	OS 192	IR 192	IR 193	IR 194	PT 194	PT 195	AU 197	AU 198	PB 203
		-36.3600	-35.9100	-34.7330	-34.4540	-32.4720	-34.7210	-31.1660	-29.5940	-24.9360
		-11.5342	-3.7628	-6.5952	-0.5683	-0.6913	0.7471	-3.7378	-4.3129	-25.0942
		0.0819	0.0721	0.1709	0.0625	0.0625	0.0625	0.0339	0.0244	1.0002
HE6	OS 189	OS 190	IR 190	IR 191	IR 192	PT 192	PT 193	AU 195	AU 196	PB 201
		-38.8400	-38.5400	-36.4900	-36.6700	-34.7330	-36.1900	-34.4090	-32.5480	-31.1540
		-9.0394	-3.3530	-1.0354	2.6315	3.9955	2.7999	-9.9856	0.6759	-19.6144
		0.0818	0.4104	0.0720	0.0624	0.0528	0.0624	0.0363	0.0221	0.0624
LI6	RE 189	RE 190	OS 190	CS 191	OS 192	IR 192	IR 193	PT 195	PT 196	TL 201
		-37.8250	-35.4400	-38.5400	-36.3600	-35.9100	-34.7330	-34.4540	-32.6330	-27.2500

78 Pt 195

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78 PT 198

MASS EXCESS -29.9050 +/- 0.0220 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.5704	6.4690	10.5209	11.2050	12.6843	-0.1342	8.5274	8.8093	-13.9550
		0.0348	0.0231	0.0926	0.1024	0.0231	0.0228	0.0234	0.0234	0.0228
GAMMA	PT 198	PT 199	AU 199	AU 200	AU 201	HG 201	HG 202	TL 204	TL 205	PO 210
		-27.4040	-29.0850	-27.2900	-26.1600	-27.6580	-27.3460	-24.3440	-23.8070	-15.9500
		-7.5614	-1.0934	4.2445	4.2635	6.4579	-7.8937	1.8650	1.2749	-21.6064
		0.0251	0.0228	0.0231	0.0927	0.0228	0.0231	0.0231	0.0234	0.0246
N	PT 197	PT 198	AU 198	AU 199	AU 200	HG 200	HG 201	TL 203	TL 204	PO 209
		-30.4150	-29.5940	-29.0850	-27.2900	-29.5030	-27.6580	-25.7530	-24.3440	-16.3700
		-8.7740	-3.6126	3.3459	4.3660	5.0273	-8.6092	2.1564	2.4023	-18.9310
		0.2012	0.3008	0.0348	1.0002	0.0927	0.1024	0.0231	0.0228	0.0228
P	IR 197	IR 198	PT 198	PT 199	PT 200	AU 200	AU 201	HG 203	HG 204	BI 209
		-28.4200	-25.5100	-27.4040	-26.6100	-27.2900	-26.1600	-25.2620	-24.6890	-18.2630
		-13.8079	-6.5495	-5.3369	-0.6870	0.9754	-13.3262	-1.6065	-2.8716	-24.1599
		0.0326	0.2012	0.0251	0.0348	0.0231	0.0927	0.0228	0.0231	0.0231
D	IR 196	IR 197	PT 197	PT 198	PT 199	AU 199	AU 200	HG 202	HG 203	BI 208
		-29.2330	-28.4200	-30.4150	-27.4040	-29.0850	-27.2900	-27.3460	-25.2620	-18.8810
		-13.0749	-7.5505	-4.9330	-1.3040	-0.3296	-13.3452	-3.1085	-2.6016	-24.8140
		0.1024	0.0326	0.0261	0.0251	0.0228	0.0231	0.0231	0.0228	0.0242
T	IR 195	IR 196	PT 196	PT 197	PT 198	AU 198	AU 199	HG 201	HG 202	BI 207
		-31.7800	-29.2330	-32.6330	-30.4150	-29.5940	-29.0850	-27.6580	-27.3460	-20.0410
		-15.0363	-8.3143	-3.2804	-4.3764	-15.0076	-4.5879	-5.8190	-22.3913	
		0.5005	0.0326	0.2012	0.3008	0.0348	0.1024	1.0002	0.0228	
HE3	OS 195	MASS OS 196	IR 196	IR 197	IR 198	PT 198	PT 199	AU 201	AU 202	PB 207
		-29.8000	UNKNOWN -29.2330	-28.4200	-25.5100	-27.4040	-26.1600	-24.1100	-22.4450	
		0.0453	5.5417	6.7392	10.0392	11.0402	13.0166	9.0487	8.7376	-8.5467
		0.0318	0.5005	0.1024	0.0326	0.2012	0.0251	0.0927	0.1024	0.0228
HE4	OS 194	OS 195	IR 195	IR 196	IR 197	PT 197	PT 198	AU 200	AU 201	PB 206
		-32.3750	-29.8000	-31.7800	-29.2330	-28.4200	-30.4150	-27.2900	-26.1600	-23.7830
		-11.5932	-6.1098	-5.7602	-1.8953	-0.7732	0.2041	-12.4454	-3.8208	-22.3942
		0.0548	0.0399	0.0390	0.0321	0.1025	0.0281	0.0264	0.0232	0.0237
HE6	OS 192	OS 193	IR 193	IR 194	IR 195	PT 195	PT 196	AU 198	AU 199	PB 204
		-35.9100	-33.3220	-34.4540	-32.4720	-31.7800	-32.7760	-32.6330	-29.5940	-29.0850
		-3.3824	1.5175	0.7566	2.7179	-12.3356	-1.6821	-19.6494		
		0.0397	0.0318	0.5005	0.1024	0.0326	0.0349	0.0234		
LI6	MASS RE 192	MASS RE 193	OS 193	OS 194	OS 195	IR 195	IR 196	PT 198	PT 199	TL 204
		UNKNOWN	UNKNOWN -33.3220	-32.3750	-29.8000	-31.7800	-29.2330	-27.4040	-24.3440	

79 AU 197

MASS EXCESS -31.1660 +/- 0.0090 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.4994	7.0890	11.5169	13.2870	10.8143	-1.4912	7.8584	8.8503	-18.2810
		0.0108	0.0108	0.0114	0.0108	0.0114	0.0607	0.0150	0.0121	0.0158
GAMMA	AU 197	AU 198	HG 198	HG 199	HG 200	TL 200	TL 201	PB 203	PB 204	AT 209
		-29.5940	-30.9660	-29.5470	-29.5030	-27.0490	-27.2500	-24.9360	-25.1090	-12.8850
		-8.0834	-1.5454	4.8645	5.2595	4.1439	-9.7637	0.9290	0.6059	-26.7674
		0.0158	0.0420	0.0108	0.0114	0.3001	0.0114	0.0391	0.0150	1.0000
N	AU 196	AU 197	HG 197	HG 198	HG 199	TL 199	TL 200	PB 202	PB 203	AT 208
		-31.1540	-30.4030	-30.9660	-29.5470	-28.4500	-27.0490	-26.0780	-24.9360	-12.4700
		-5.8220	0.0315	4.2749	5.5800	6.0234	-6.5272	1.7614	2.2053	-20.9830
		0.0166	0.0150	0.0108	0.0114	0.0114	0.0108	0.0247	0.0115	0.0142
P	PT 196	PT 197	AU 197	AU 198	AU 199	HG 199	HG 200	TL 202	TL 203	PO 208
		-32.6330	-30.4150	-29.5940	-29.0850	-29.5470	-29.5030	-26.1280	-25.7530	-17.4720
		-11.5259	-3.5975	-5.8589	0.2420	1.5954	-12.3302	-2.9635	-3.2666	-27.1669
		0.0192	0.0166	0.0158	0.0108	0.0108	0.0114	0.0607	0.0247	0.0158
D	PT 196	PT 196	AU 196	AU 197	AU 198	HG 198	HG 199	TL 201	TL 202	PO 207
		-32.7760	-32.6330	-31.1540	-29.5940	-30.9660	-29.5470	-27.2500	-26.1280	-17.1350
		-11.3949	-5.2685	-6.2790	-1.8260	-0.7816	-12.7252	-4.9785	-3.9586	-27.7879
		0.0228	0.0192	0.0192	0.0158	0.0420	0.0108	0.0115	0.0607	0.0400
T	PT 194	PT 195	AU 195	AU 196	AU 197	HG 197	HG 198	TL 200	TL 201	PO 206
		-34.7210	-32.7760	-32.5480	-31.1540	-30.4030	-30.9660	-27.0490	-27.2500	-18.3280
		-13.6253	-6.2459	-6.0323	-0.3284	-0.7324	-14.0786	-2.5059	-3.5320	-25.9673
		0.0247	0.1004	0.0192	0.0166	0.0150	0.0108	0.0109	0.0115	0.0275
HE3	IR 194	IR 195	PT 195	PT 196	PT 197	AU 197	AU 198	HG 200	HG 201	BI 206
		-32.4720	-31.7800	-32.7760	-32.6330	-30.4150	-29.5940	-29.5030	-27.6580	-20.1300
		0.8633	6.9527	8.4192	12.3212	13.9922	12.4946	10.0447	10.8196	-12.5227
		0.0332	0.0247	0.0229	0.0192	0.0166	0.0158	0.0115	0.0109	0.0150
HE4	IR 193	IR 194	PT 194	PT 195	PT 196	AU 196	AU 197	HG 199	HG 200	BI 205
		-34.4540	-32.4720	-34.7210	-32.7760	-32.6330	-31.1540	-29.5470	-29.5030	-21.0680
		-12.0942	-5.9598	-5.2852	-1.2193	0.9068	-1.6209	-13.7915	-4.2728	-2.8909
		0.0608	0.0608	0.0608	0.0306	0.0232	0.0278	0.0197	0.0422	0.0116
HE6	IR 191	IR 192	PT 192	PT 193	PT 194	AU 194	AU 195	HG 197	HG 198	BI 203
		-36.6700	-34.7330	-36.1900	-34.4090	-34.7210	-32.2120	-32.5480	-30.4030	-30.9660
		-8.8944	-1.2730	-3.2324	2.3355	2.1676	4.3979	-10.0536	-0.7531	-20.3184
		0.0607	0.0508	0.0607	0.0333	0.0247	0.0229	0.0193	0.0109	0.0150
LI6	OS 191	OS 192	IR 192	IR 193	IR 194	PT 194	PT 195	AU 197	AU 198	PB 203
		-36.3600	-35.9100	-34.7330	-34.4540	-32.4720	-34.7210	-32.7760	-29.5940	-24.9360

80 HG 196

MASS EXCESS -31.8380 +/- 0.0130 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.6364	3.6510	8.8079	11.5619	8.3733	-3.3033	2.8604	4.8193	-22.3280
		0.0430	0.1605	0.0810	0.3003	1.0401	1.0001	1.0001	0.0517	1.0001
GAMMA	HG 196	HG 197	TL 197	TL 198	TL 199	PB 199	PB 200	BI 202	BI 203	RN 208
		-30.4030	-28.2000	-27.5100	-28.4500	-25.2800	-26.1100	-20.6100	-21.7500	-9.5100
		-8.8194	-5.3805	1.4265	2.5505	0.7219	-12.2047	-4.7410	-4.3921	-31.2994
		1.0001	0.1506	0.1605	0.0810	1.0001	1.0401	1.4201	1.0001	1.0501
N	HG 195	HG 196	TL 196	TL 197	TL 198	PB 198	PB 199	BI 201	BI 202	RN 207
		-31.0900	-27.2400	-28.2000	-27.5100	-25.7000	-25.2800	-21.0800	-20.6100	-8.6100
		-6.5790	0.0984	4.4119	6.7890	3.3143	-8.2522	0.2414	1.8583	-25.6770
		0.0214	0.0184	0.0430	0.0143	0.0810	0.3003	1.0001	0.0402	0.0517
P	AU 195	AU 196	HG 196	HG 197	HG 198	TL 198	TL 199	PB 201	PB 202	AT 207
		-32.5480	-31.1540	-30.4030	-30.9660	-27.5100	-28.4500	-25.2800	-26.0780	-13.4500
		-12.7619	-4.3545	-6.5949	0.3790	-1.8426	-15.0392	-4.7755	-4.7866	-32.6739
		0.0291	0.0214	1.0001	0.0430	0.1605	0.0811	1.0001	1.0001	1.0001
D	AU 194	AU 195	HG 195	HG 196	HG 197	TL 197	TL 198	PB 200	PB 201	AT 206
		-32.2120	-32.5480	-31.0900	-30.4030	-28.2000	-27.5100	-26.1100	-25.2800	-12.3000
		-13.4780	-6.5045	-7.6390	-2.5620	-4.6166	-16.1632	-7.4195	-5.7707	-34.1579
		1.0001	0.0291	1.0001	1.0001	0.1506	0.1605	1.0401	1.0001	1.4201
T	AU 193	AU 194	HG 194	HG 195	HG 196	TL 196	TL 197	PB 199	PB 200	AT 205
		-33.3100	-32.2120	-31.8600	-31.0900	-27.2400	-28.2000	-25.2800	-26.1100	-12.6300
		-12.3603	-3.9769	-7.2684	-1.0854	-0.6654	-13.9416	-4.2309	-4.8130	-29.2593
		0.0318	0.0247	0.0291	0.0214	0.0184	0.0430	0.3003	0.0148	1.0001
HE3	PT 193	PT 194	AU 194	AU 195	AU 196	HG 196	HG 197	TL 199	TL 200	PO 205
		-34.4090	-34.7210	-32.2120	-32.5480	-31.1540	-30.4030	-28.4500	-27.0490	-17.5100
		1.9273	8.2177	6.3362	11.0852	13.2352	11.7586	7.3357	9.0946	-16.0627
		0.0614	0.0318	1.0001	0.0291	0.0214	1.0001	0.0811	0.3003	1.0001
HE4	PT 192	PT 193	AU 193	AU 194	AU 195	HG 195	HG 196	TL 198	TL 199	PO 204
		-36.1900	-34.4090	-33.3100	-32.2120	-32.5480	-31.0900	-27.5100	-28.4500	-18.2000
		-12.1362	-5.4548	-8.1872	-3.3503	-1.1762	-3.5349	-15.1514	-8.1078	-6.3289
		0.0713	1.0001	1.4201	0.0713	1.0001	1.0001	1.0001	0.1506	0.1606
HE6	PT 190	PT 191	AU 191	AU 192	AU 193	HG 193	HG 194	TL 196	TL 197	PO 202
		-37.3000	-35.9100	-33.9600	-32.9500	-33.3100	-30.9700	-31.8600	-27.2400	-28.2000
		-9.4364	-1.1850	-2.7274	3.3995	3.4325	2.3149	-11.2896	-0.6161	-25.3164
		0.1705	0.0614	1.0001	0.0614	0.0318	1.0001	0.0291	0.0430	1.0001
LI6	IR 190	IR 191	PT 191	PT 192	PT 193	AU 193	AU 194	HG 196	HG 197	BI 202
		-36.4900	-36.6700	-35.9100	-36.1900	-34.4090	-33.3100	-32.2120	-30.4030	-20.6100

80 HG 196

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80 HG 198

MASS EXCESS -30.9660 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.6524	4.7730	9.2189	11.2339	9.2453	-2.4632	3.7924	5.0093	-21.2230
		0.0092	0.3001	0.0092	0.0603	1.0000	0.0385	1.0000	0.0135	0.0395
GAMMA	HG 198	HG 199	TL 199	TL 200	TL 201	PB 201	PB 202	BI 204	BI 205	RN 210
		-29.5470	-28.4500	-27.0490	-27.2500	-25.2800	-26.0780	-20.6700	-21.0680	-9.7430
		-8.6344	-4.2385	2.5485	2.9615	2.0039	-11.3327	-3.1990	-3.4601	-30.1074
		0.0414	0.0802	0.3001	0.0092	1.0000	1.0000	0.0504	1.0000	1.0000
N	HG 197	HG 198	TL 198	TL 199	TL 200	PB 200	PB 201	BI 203	BI 204	RN 209
		-30.4030	-27.5100	-28.4500	-27.0490	-26.1100	-25.2800	-21.7500	-20.6700	-8.9300
		-7.0890	-0.5896	4.4279	6.1980	3.7253	-8.5802	0.7694	1.7613	-25.3700
		0.0108	0.0085	0.0092	0.0085	0.0092	0.0603	0.0135	0.0101	0.0143
P	AU 197	AU 198	HG 198	HG 199	HG 200	TL 200	TL 201	PB 203	PB 204	AT 209
		-31.1660	-29.5940	-29.5470	-29.5030	-27.0490	-27.2500	-24.9360	-25.1090	-12.8850
		-12.9479	-4.8645	-6.4099	0.3950	-0.7206	-14.6282	-3.9355	-4.2586	-31.6319
		0.0143	0.0108	0.0414	0.0092	0.3001	0.0092	0.0385	0.0135	1.0000
D	AU 196	AU 197	HG 197	HG 198	HG 199	TL 199	TL 200	PB 202	PB 203	AT 208
		-31.1540	-31.1660	-30.4030	-29.5470	-28.4500	-27.0490	-26.0780	-24.9360	-12.4700
		-13.3679	-6.6905	-6.7890	-2.3770	-3.4746	-15.0412	-6.5475	-4.9306	-32.4659
		0.0180	0.0143	0.0143	0.0414	0.0802	0.3001	1.0000	0.0385	0.0504
T	AU 195	AU 196	HG 196	HG 197	HG 198	TL 198	TL 199	PB 201	PB 202	AT 207
		-32.5480	-31.1540	-31.8380	-30.4030	-27.5100	-28.4500	-25.2800	-26.0780	-13.4500
		-13.1213	-5.1929	-7.4543	-1.5954	-1.3534	-13.9256	-4.5589	-4.8620	-28.7623
		0.0180	0.0152	0.0143	0.0108	0.0085	0.0092	0.0603	0.0238	0.0143
HE3	PT 195	PT 196	AU 196	AU 197	AU 198	HG 198	HG 199	TL 201	TL 202	PO 207
		-32.7760	-32.6330	-31.1540	-31.1660	-29.5940	-29.5470	-27.2500	-26.1280	-17.1350
		1.3303	7.4567	6.4462	10.8992	12.7252	11.9436	7.7467	8.7666	-15.0627
		0.0218	0.0180	0.0180	0.0143	0.0108	0.0414	0.0093	0.0603	0.0395
HE4	PT 194	PT 195	AU 195	AU 196	AU 197	HG 197	HG 198	TL 200	TL 201	PO 206
		-34.7210	-32.7760	-32.5480	-31.1540	-31.1660	-30.4030	-27.0490	-27.2500	-18.3280
		-12.3742	-6.0838	-7.9652	-3.2163	-1.0663	-2.5429	-14.3015	-6.9658	-5.2069
		0.0604	0.0299	1.0000	0.0270	0.0185	1.0000	0.0149	0.0803	0.3001
HE6	PT 192	PT 193	AU 193	AU 194	AU 195	HG 195	HG 196	TL 198	TL 199	PO 204
		-36.1900	-34.4090	-33.3100	-32.2120	-32.5480	-31.0900	-31.8380	-27.5100	-28.4500
		-10.3214	-2.5290	-3.3564	2.8025	2.6716	2.4249	-11.4756	-0.6001	-24.3844
		0.0603	0.0326	0.0296	0.0219	0.0181	0.0181	0.0144	0.0093	1.0000
LI6	IR 192	IR 193	PT 193	PT 194	PT 195	AU 195	AU 196	HG 198	HG 199	BI 204
		-34.7330	-34.4540	-34.4090	-34.7210	-32.7760	-32.5480	-31.1540	-29.5470	-20.6700

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.0274	4.7910	10.8389	11.5310	11.4623	-2.1862	5.6094	5.4903	-20.8020
		0.0092	0.0099	0.0604	0.0240	0.0386	0.0139	0.0139	0.0269	0.0148
GAMMA	HG 199	HG 200	TL 200	TL 201	TL 202	PB 202	PB 203	BI 205	BI 206	RN 211
		-29.5030	-27.0490	-27.2500	-26.1280	-26.0780	-24.9360	-21.0680	-20.1300	-8.7450
		-6.6524	-1.8794	2.5665	4.5815	2.5929	-9.1157	-2.8600	-1.6431	-27.8754
		0.0092	0.3001	0.0099	0.0604	1.0000	0.0386	1.0000	0.0139	0.0396
N	HG 198	HG 199	TL 199	TL 200	TL 201	PB 201	PB 202	BI 204	BI 205	RN 210
		-30.9660	-28.4500	-27.0490	-27.2500	-25.2800	-26.0780	-20.6700	-21.0680	-9.7430
		-7.2420	0.3205	5.8029	5.7720	5.3454	-8.2832	2.3614	1.8433	-24.7610
		0.0092	0.0099	0.0092	0.0099	0.0604	0.0240	0.0107	0.0115	0.0269
P	AU 198	AU 199	HG 199	HG 200	HG 201	TL 201	TL 202	PB 204	PB 205	AT 210
		-29.5940	-29.0850	-29.5030	-27.6580	-27.2500	-26.1280	-25.1090	-23.7720	-12.0750
		-11.5169	-5.0175	-4.4279	1.7700	-0.7026	-13.0082	-3.6585	-2.6666	-29.7979
		0.0114	0.0092	0.0092	0.0092	0.0099	0.0604	0.0139	0.0107	0.0148
D	AU 197	AU 198	HG 198	HG 199	HG 200	TL 200	TL 201	PB 203	PB 204	AT 209
		-31.1660	-29.5940	-30.9660	-29.5030	-27.0490	-27.2500	-24.9360	-25.1090	-12.8850
		-13.3429	-5.2595	-6.8050	-0.3950	-1.1156	-15.0232	-4.3305	-4.6536	-32.0269
		0.0148	0.0114	0.0416	0.0092	0.3001	0.0099	0.0387	0.0139	1.0000
T	AU 196	AU 197	HG 197	HG 198	HG 199	TL 199	TL 200	PB 202	PB 203	AT 208
		-31.1540	-31.1660	-30.4030	-30.9660	-28.4500	-27.0490	-26.0780	-24.9360	-12.4700
		-11.8453	-5.9919	-6.0233	-1.7484	-0.4434		-12.5506	-4.2619	-3.8180
		0.0157	0.0139	0.0114	0.0092	0.0099		0.0092	0.0241	0.0100
HE3	PT 196	PT 197	AU 197	AU 198	AU 199	HG 199	HG 200	TL 202	TL 203	PO 208
		-32.6330	-30.4150	-31.1660	-29.5940	-29.0850	-29.5030	-26.1280	-25.7530	-17.4720
		0.8043	8.7327	6.4712	12.3302	12.5722	13.9256	9.3667	9.0636	-14.8367
		0.0184	0.0157	0.0148	0.0114	0.0092	0.0092	0.0604	0.0241	0.0148
HE4	PT 195	PT 196	AU 196	AU 197	AU 198	HG 198	HG 199	TL 201	TL 202	PO 207
		-32.7760	-32.6330	-31.1540	-31.1660	-29.5940	-30.9660	-27.2500	-26.1280	-17.1350
		-12.7362	-4.3528	-7.6442	-1.4613	-1.0412	-0.3759	-14.3174	-4.6068	-5.1889
		0.0301	0.0225	0.0272	0.0188	0.0153	0.0153	0.0418	0.3001	0.0107
HE6	PT 193	PT 194	AU 194	AU 195	AU 196	HG 196	HG 197	TL 199	TL 200	PO 205
		-34.4090	-34.7210	-32.2120	-32.5480	-31.1540	-31.8380	-30.4030	-28.4500	-27.0490
		-9.1814	-3.0920	-1.6254	2.2765	3.9476	2.4499	-10.0446	0.7749	-22.5674
		0.0328	0.0241	0.0222	0.0184	0.0157	0.0148	0.0115	0.0093	0.0139
LI6	IR 193	IR 194	PT 194	PT 195	PT 196	AU 196	AU 197	HG 199	HG 200	BI 205
		-34.4540	-32.4720	-34.7210	-32.7760	-32.6330	-31.1540	-31.1660	-29.5030	-21.0680

80 HG 200

MASS EXCESS -29.5030 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.2264	5.0360	9.7609	11.1999	10.3643	-1.9692	4.7154	5.4453	-20.8460
		0.0092	0.0603	0.0238	0.0092	0.0134	0.0100	0.0267	0.0117	0.0134
GAMMA	HG 200	HG 201	TL 201	TL 202	TL 203	PB 203	PB 204	BI 206	BI 207	RN 212
		-27.6580	-27.2500	-26.1280	-25.7530	-24.9360	-25.1090	-20.1300	-20.0410	-8.6570
		-8.0274	-3.2364	2.8115	3.5035	3.4349	-10.2137	-2.4180	-2.5371	-28.8294
		0.0092	0.0092	0.0603	0.0238	0.0385	0.0134	0.0135	0.0267	0.0143
N	HG 199	HG 200	TL 200	TL 201	TL 202	PB 202	PB 203	BI 205	BI 206	RN 211
		-29.5470	-27.0490	-27.2500	-26.1280	-26.0780	-24.9360	-21.0680	-20.1300	-8.7450
		-7.7070	-1.4306	4.0019	5.5040	4.2673	-8.6142	1.0684	1.8983	-25.1560
		0.0092	0.0902	0.0092	0.0085	0.0238	0.0092	0.0109	0.0086	0.0117
P	AU 199	AU 200	HG 200	HG 201	HG 202	TL 202	TL 203	PB 205	PB 206	AT 211
		-29.0850	-27.2900	-27.6580	-27.3460	-26.1280	-25.7530	-23.7720	-23.7830	-11.6360
		-13.0449	-5.4825	-5.8029	-0.0310	-0.4576	-14.0862	-3.4415	-3.9596	-30.5639
		0.0085	0.0092	0.0092	0.0092	0.0603	0.0238	0.0101	0.0109	0.0267
D	AU 198	AU 199	HG 199	HG 200	HG 201	TL 201	TL 202	PB 204	PB 205	AT 210
		-29.5940	-29.0850	-29.5470	-27.6580	-27.2500	-26.1280	-25.1090	-23.7720	-12.0750
		-13.2870	-6.7875	-6.1980	-1.7700	-2.4726	-14.7782	-5.4285	-4.4367	-31.5680
		0.0108	0.0085	0.0085	0.0092	0.0092	0.0603	0.0135	0.0101	0.0143
T	AU 197	AU 198	HG 198	HG 199	HG 200	TL 200	TL 201	PB 203	PB 204	AT 209
		-31.1660	-29.5940	-30.9660	-29.5470	-27.0490	-27.2500	-24.9360	-25.1090	-12.8850
		-14.0193	-6.4579	-7.5513	-2.2134	-2.1944	-14.3516	-4.5929	-5.1830	-28.0643
		0.0134	0.0228	0.0085	0.0092	0.0902	0.0092	0.0093	0.0101	0.0125
HE3	PT 197	PT 198	AU 198	AU 199	AU 200	HG 200	HG 201	TL 203	TL 204	PD 209
		-30.4150	-29.9050	-29.5940	-29.0850	-27.2900	-27.6580	-25.7530	-24.3440	-16.3700
		0.7053	6.5587	6.5272	10.8022	12.1072	12.5506	8.2887	8.7326	-14.4557
		0.0152	0.0134	0.0108	0.0085	0.0092	0.0092	0.0238	0.0093	0.0125
HE4	PT 196	PT 197	AU 197	AU 198	AU 199	HG 199	HG 200	TL 202	TL 203	PD 208
		-32.6330	-30.4150	-31.1660	-29.5940	-29.0850	-29.5470	-26.1280	-25.7530	-17.4720
		-12.3802	-6.2538	-7.2642	-2.8113	-0.9852	-1.7669	-13.7104	-5.9638	-4.9439
		0.0222	0.0185	0.0185	0.0149	0.0115	0.0416	0.0094	0.0101	0.0397
HE6	PT 194	PT 195	AU 195	AU 196	AU 197	HG 197	HG 198	TL 200	TL 201	PD 206
		-34.7210	-32.7760	-32.5480	-31.1540	-31.1660	-30.4030	-30.9660	-27.0490	-27.2500
		-11.1194	-3.7400	-3.5264	2.1775	1.7736	2.5059	-11.5726	-1.0261	-23.4614
		0.0238	0.1002	0.0181	0.0153	0.0135	0.0109	0.0086	0.0093	0.0267
LI6	IR 194	IR 195	PT 195	PT 196	PT 197	AU 197	AU 198	HG 200	HG 201	BI 206
		-32.4720	-31.7800	-32.7760	-32.6330	-30.4150	-31.1660	-29.5940	-27.6580	-20.1300

80 HG 201

MASS EXCESS -27.6580 +/- 0.0070 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.7594	5.7590	11.2309	11.6360	12.3823	-1.4612	6.4714	6.1303	-22.0050
		0.0092	0.0240	0.0099	0.0106	0.0106	0.0114	0.0123	0.0100	0.0240
GAMMA	HG 201	HG 202	TL 202	TL 203	TL 204	PB 204	PB 205	BI 207	BI 208	RN 213
		-27.3460	-26.1280	-25.7530	-24.3440	-25.1090	-23.7720	-20.0410	-18.8810	-5.6530
		-6.6444	1.0626	3.5345	4.9735	4.1379	-8.1957	-1.5110	-0.7811	-27.0724
		0.0099	0.0092	0.0240	0.0099	0.0139	0.0106	0.0269	0.0123	0.0139
N	HG 200	HG 201	TL 201	TL 202	TL 203	PB 203	PB 204	BI 206	BI 207	RN 212
		-29.0850	-29.5030	-26.1280	-25.7530	-24.9360	-25.1090	-20.1300	-20.0410	-8.6570
		-7.6570	-0.7155	5.5349	5.2650	5.7373	-8.1782	2.9244	2.4053	-26.3060
		0.0903	0.1002	0.0092	0.0099	0.0099	0.0106	0.0093	0.0093	0.0221
P	AU 200	AU 201	HG 201	HG 202	HG 203	TL 203	TL 204	PB 206	PB 207	AT 212
		-27.2900	-26.1600	-27.3460	-25.2620	-25.7530	-24.3440	-23.7830	-22.4450	-8.6410
		-10.8889	-5.4325	-4.4199	1.5020	0.2654	-12.6162	-2.9335	-2.1036	-29.1579
		0.0231	0.0903	0.0099	0.0092	0.0240	0.0099	0.0115	0.0093	0.0122
D	AU 199	AU 200	HG 200	HG 201	HG 202	TL 202	TL 203	PB 205	PB 206	AT 211
		-29.9050	-27.2900	-29.0850	-27.3460	-26.1280	-25.7530	-23.7720	-23.7830	-11.6360
		-12.1929	-4.6315	-5.7250	-0.3870	1.8264	-14.0552	-3.4105	-3.9286	-30.5329
		0.0139	0.0231	0.0092	0.0099	0.0092	0.0240	0.0107	0.0115	0.0269
T	AU 198	AU 199	HG 199	HG 200	HG 201	TL 201	TL 202	PB 204	PB 205	AT 210
		-30.4150	-29.9050	-29.5940	-29.0850	-29.5030	-26.1280	-25.1090	-23.7720	-12.0750
		-14.1693	-7.1139	-5.3953	-2.1634	-1.4794	-12.8186	-4.1569	-3.8750	-26.6393
		0.2001	0.0279	0.0231	0.0903	0.1002	0.0092	0.0107	0.0107	0.0092
HE3	PT 198	PT 199	AU 199	AU 200	AU 201	HG 201	HG 202	TL 204	TL 205	PO 210
		-28.4200	-27.4040	-29.9050	-27.2900	-26.1600	-27.3460	-24.3440	-23.8070	-15.9500
		-0.8497	6.4087	7.6212	12.9582	12.1572	13.9336	9.7587	9.1686	-13.7127
		0.0250	0.2001	0.0139	0.0231	0.0903	0.0099	0.0100	0.0107	0.0130
HE4	PT 197	PT 198	AU 198	AU 199	AU 200	HG 200	HG 201	TL 203	TL 204	PO 209
		-29.2330	-28.4200	-30.4150	-29.9050	-27.2900	-29.0850	-25.7530	-24.3440	-16.3700
		-12.7842	-5.4048	-5.1912	0.5127	0.1087	0.8411	-13.2374	-1.6648	-4.2209
		0.0244	0.1003	0.0188	0.0162	0.0145	0.0121	0.0101	0.0101	0.0244
HE6	PT 195	PT 196	AU 196	AU 197	AU 198	HG 198	HG 199	TL 201	TL 202	PO 207
		-32.4720	-31.7800	-32.7760	-32.6330	-30.4150	-31.1660	-29.5940	-29.5030	-26.1280
		-9.3714	-3.8750	-2.6774	0.6225	1.6236	3.5999	-9.4166	0.5069	-21.7054
		0.0241	0.5001	0.1003	0.0250	0.2001	0.0139	0.0231	0.0093	0.0123
LI6	IR 195	IR 196	PT 196	PT 197	PT 198	AU 198	AU 199	HG 201	HG 202	BI 207
		-32.3750	-29.8000	-31.7800	-29.2330	-28.4200	-30.4150	-29.9050	-27.3460	-20.0410

80 HG 204

MASS EXCESS -24.6890 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.5424	6.4070	10.7059	11.2730	12.6873	-0.5142	4.1894	2.0553	-24.9430
		0.1002	0.0100	0.0092	0.0100	0.0085	0.0085	0.0086	0.0101	0.0134
GAMMA	HG 204	HG 205	TL 205	TL 206	TL 207	PB 207	PB 208	BI 210	BI 211	RN 216
		-22.1600	-23.8070	-22.2590	-21.0120	-22.4450	-21.7500	-14.7900	-11.8370	0.2540
		-7.4984	-1.1274	4.1825	4.4485	5.9539	-7.8907	-0.4090	-3.0631	-31.5404
		0.0092	0.0100	0.0100	0.0092	0.0085	0.0085	0.0086	0.0086	0.1002
N	HG 203	HG 204	TL 204	TL 205	TL 206	PB 206	PB 207	BI 209	BI 210	RN 215
		-25.2620	-24.3440	-23.8070	-22.2590	-23.7830	-22.4450	-18.2630	-14.7900	-1.2200
		-8.8180		3.3179	3.9180	5.2124	-8.5412	-0.2656	-2.3417	-30.7250
		1.0000	MASS	0.1002	0.0218	0.0092	0.0100	0.0109	0.0086	0.0228
P	AU 203	AU 204	HG 204	HG 205	HG 206	TL 206	TL 207	PB 209	PB 210	AT 215
		-23.1600	UNKNOWN	-22.1600	-20.9460	-22.2590	-21.0120	-17.6240	-14.7290	-1.2530
		-13.7149	-6.5935	-5.2739		-0.7150	0.9134	-13.1412	-1.9865	-5.2936
		1.0000	1.0000	0.0092		0.1002	0.0100	0.0092	0.0086	0.0109
D	AU 202	AU 203	HG 203	HG 204	HG 205	TL 205	TL 206	PB 208	PB 209	AT 214
		-24.1100	-23.1600	-25.2620	-22.1600	-23.8070	-22.2590	-21.7500	-17.6240	-3.4220
		-13.4789	-7.4575	-5.0040	-1.2410		-0.3636	-13.4072	-3.1055	-2.9816
		0.1002	1.0000	0.0085	0.0092		0.0100	0.0100	0.0086	0.0086
T	AU 201	AU 202	HG 202	HG 203	HG 204	TL 204	TL 205	PB 207	PB 208	AT 213
		-26.1600	-24.1100	-27.3460	-25.2620	-24.3440	-23.8070	-22.4450	-21.7500	-6.4600
		-16.1203		-8.2213	-3.3244			-15.0356	-4.5199	-7.9590
		0.1102	MASS	1.0000	1.0000	MASS		0.1002	0.0101	0.0093
HE3	PT 201	PT 202	AU 202	AU 203	AU 204	HG 204	HG 205	TL 207	TL 208	PO 213
		-23.5000	UNKNOWN	-24.1100	-23.1600	UNKNOWN	-22.1600	-21.0120	-16.7540	-6.6620
		-0.5037	4.4577	6.3352	10.1322	10.9962	13.0796		9.2337	8.8056
		1.0000	0.1102	0.1002	1.0000	1.0000	0.0092		0.0093	0.0101
HE4	PT 200	PT 201	AU 201	AU 202	AU 203	HG 203	HG 204	TL 206	TL 207	PO 212
		-26.6100	-23.5000	-26.1600	-24.1100	-23.1600	-25.2620	-22.2590	-21.0120	-10.3710
		-13.8672	-6.8118	-5.0932	-1.8613	-1.1772	0.3021	-12.5164	-3.8548	-3.5729
		0.2001	0.0279	0.0232	0.0903	0.1003	0.0101	0.0094	0.0108	0.0108
HE6	PT 198	PT 199	AU 199	AU 200	AU 201	HG 201	HG 202	TL 204	TL 205	PO 210
		-28.4200	-27.4040	-29.9050	-27.2900	-26.1600	-27.6580	-27.3460	-24.3440	-23.8070
		-13.2674		-4.0844	0.9685	-0.3274	2.3139	-12.2426		-1.7101
		0.3001	MASS	0.0277	1.0000	0.1102	0.1002	1.0000		0.1002
LI6	IR 198	IR 199	PT 199	PT 200	PT 201	AU 201	AU 202	HG 204	HG 205	BI 210
		-25.5100	UNKNOWN	-27.4040	-26.6100	-23.5000	-26.1600	-24.1100	-22.1600	-14.7900

80 HG 204

-332-

81 TL 203

MASS EXCESS -25.7530 +/- 0.0070 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.6624	6.6450	11.1549	12.9799	9.3083	-3.2873	4.7054	5.1043	-26.1280
		0.0106	0.0106	0.0114	0.0092	0.0269	0.0122	0.0131	0.0093	0.0328
GAMMA	TL 203	TL 204	PB 204	PB 205	PB 206	BI 206	BI 207	PO 209	PO 210	FR 215
		-24.3440	-25.1090	-23.7720	-23.7830	-20.1300	-20.0410	-16.3700	-15.9500	0.3750
		-7.6964	-1.5994	4.4205	4.8975	2.1749	-11.2697	-2.2640	-2.5471	-32.8944
		0.0240	0.0139	0.0106	0.0114	0.0139	0.0269	0.0131	0.0131	0.0337
N	TL 202	TL 203	PB 203	PB 204	PB 205	BI 205	BI 206	PO 208	PO 209	FR 214
		-26.1280	-24.9360	-25.1090	-23.7720	-21.0680	-20.1300	-17.4720	-16.3700	-0.9300
		-5.6960	0.2915	4.4379	5.7150	5.6614	-6.8342	-0.0726	0.1283	-28.7320
		0.0092	0.0099	0.0106	0.0106	0.0114	0.0092	0.0100	0.0093	1.0000
P	HG 202	HG 203	TL 203	TL 204	TL 205	PB 205	PB 206	BI 208	BI 209	RN 214
		-27.3460	-25.2620	-24.3440	-23.8070	-23.7720	-23.7830	-18.8810	-18.2630	-4.3100
		-11.2309	-3.4715	-5.4719	0.4050	1.1514	-12.6922	-4.7595	-5.1006	-33.2359
		0.0099	0.0092	0.0240	0.0106	0.0106	0.0114	0.0123	0.0100	0.0240
D	HG 201	HG 202	TL 202	TL 203	TL 204	PB 204	PB 205	BI 207	BI 208	RN 213
		-27.6580	-27.3460	-26.1280	-24.3440	-25.1090	-23.7720	-20.0410	-18.8810	-5.6530
		-11.6179	-4.9735	-3.9110	-1.4390	-0.8356	-13.1692	-6.4845	-5.7547	-32.0459
		0.0099	0.0099	0.0092	0.0240	0.0139	0.0106	0.0269	0.0123	0.0139
T	HG 200	HG 201	TL 201	TL 202	TL 203	PB 203	PB 204	BI 206	BI 207	RN 212
		-29.0850	-27.6580	-29.5030	-26.1280	-24.9360	-25.1090	-20.1300	-20.0410	-8.6570
		-13.3943	-6.4529	-5.7373	-0.2024	-0.4724	-13.9156	-2.8129	-3.3320	-32.0433
		0.0903	0.1002	0.0099	0.0092	0.0099	0.0106	0.0093	0.0093	0.0221
HE3	AU 200	AU 201	HG 201	HG 202	HG 203	TL 203	TL 204	PB 206	PB 207	AT 212
		-27.2900	-26.1600	-27.6580	-27.3460	-25.2620	-24.3440	-23.7830	-22.4450	-8.6410
		1.7273	7.1837	8.1962	12.6162	14.1182	12.8816	9.6827	10.5125	-16.5417
		0.0231	0.0903	0.0099	0.0099	0.0092	0.0240	0.0115	0.0093	0.0122
HE4	AU 199	AU 200	HG 200	HG 201	HG 202	TL 202	TL 203	PB 205	PB 206	AT 211
		-29.9050	-27.2900	-29.0850	-27.6580	-27.3460	-26.1280	-23.7720	-23.7830	-11.6360
		-10.7182	-4.8648	-4.8962	-0.6213	0.6837	1.1271	-11.4234	-4.3268	-30.4662
		0.0162	0.0145	0.0121	0.0101	0.0107	0.0107	0.0101	0.0145	0.0153
HE6	AU 197	AU 198	HG 198	HG 199	HG 200	TL 200	TL 201	PB 203	PB 204	AT 209
		-32.6330	-30.4150	-31.1660	-29.5940	-29.0850	-29.5470	-29.5030	-24.9360	-25.1090
		-10.6084	-3.3500	-2.1374	3.1995	2.3986	4.1749	-9.7586	-0.5901	-23.4714
		0.0250	0.2001	0.0139	0.0231	0.0903	0.0100	0.0100	0.0107	0.0131
LI6	PT 197	PT 198	AU 198	AU 199	AU 200	HG 200	HG 201	TL 203	TL 204	PO 209
		-29.2330	-28.4200	-30.4150	-29.9050	-27.2900	-29.0850	-27.6580	-24.3440	-16.3700

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.5234	7.2650	11.7739	12.8930	10.0053	-3.1192	2.7104	1.4713	-28.2370
		0.0106	0.0100	0.0100	0.0100	0.0106	0.0100	0.0101	0.0101	0.2801
GAMMA	TL 205	TL 206	PB 206	PB 207	PB 208	BI 208	BI 209	PO 211	PO 212	FR 217
		-22.2590	-23.7830	-22.4450	-21.7500	-18.8810	-18.2630	-12.4290	-10.3710	4.4300
		-7.5344	-0.8174	5.0405	5.5165	3.0939	-10.5727	-1.8400	-4.5421	-34.9584
		0.0113	0.0120	0.0100	0.0100	0.0128	0.0106	0.0101	0.0101	1.0000
N	TL 204	TL 205	PB 205	PB 206	PB 207	BI 207	BI 208	PO 210	PO 211	FR 216
		-24.3440	-23.7720	-23.7830	-22.4450	-20.0410	-18.8810	-15.9500	-12.4290	3.0800
		-6.4070	-0.8645	4.2989	4.8660	6.2803	-6.9212	-2.2176	-4.3517	-31.3500
		0.0100	0.1003	0.0106	0.0113	0.0100	0.0100	0.0101	0.0114	0.0144
P	HG 204	HG 205	TL 205	TL 206	TL 207	PB 207	PB 208	BI 210	BI 211	RN 216
		-24.6890	-22.1600	-22.2590	-21.0120	-22.4450	-21.7500	-14.7900	-11.8370	0.2540
		-11.6809	-4.1825	-5.3099	0.2660	1.7714	-12.0732	-4.5915	-7.2456	-35.7229
		0.0106	0.0100	0.0113	0.0106	0.0100	0.0100	0.0101	0.0101	0.1003
D	HG 203	HG 204	TL 204	TL 205	TL 206	PB 206	PB 207	BI 209	BI 210	RN 215
		-25.2620	-24.6890	-24.3440	-22.2590	-23.7830	-22.4450	-18.2630	-14.7900	-1.2200
		-11.4109	-5.4235	-5.7150	-1.2770	-0.0536	-12.5492	-5.7875	-5.5866	-34.4469
		0.0100	0.0106	0.0106	0.0113	0.0120	0.0100	0.0107	0.0101	1.0000
T	HG 202	HG 203	TL 203	TL 204	TL 205	PB 205	PB 206	BI 208	BI 209	RN 214
		-27.3460	-25.2620	-25.7530	-24.3440	-23.7720	-23.7830	-18.8810	-18.2630	-4.3100
		-14.6283	-7.5069	-6.1873	-0.9134	-1.6284	-14.0546	-2.8999	-6.2070	-35.3163
		1.0000	1.0000	0.0106	0.0100	0.1003	0.0106	0.0101	0.0121	0.0144
HE3	AU 202	AU 203	HG 203	HG 204	HG 205	TL 205	TL 206	PB 208	PB 209	AT 214
		-24.1100	-23.1600	-25.2620	-24.6890	-22.1600	-22.2590	-21.7500	-17.6240	-3.4220
		-0.0717	5.9497	8.4032	12.1662	13.4072	13.0436	10.3017	10.4256	-19.7717
		0.1003	1.0000	0.0100	0.0106	0.0100	0.0113	0.0101	0.0101	0.2002
HE4	AU 201	AU 202	HG 202	HG 203	HG 204	TL 204	TL 205	PB 207	PB 208	AT 213
		-26.1600	-24.1100	-27.3460	-25.2620	-24.6890	-24.3440	-22.4450	-21.7500	-6.4600
		-11.5002	-6.6438	-5.0312	-0.6113	0.8907	-0.3459	-13.2274	-3.5448	-2.7149
		0.0237	0.0904	0.0114	0.0114	0.0108	0.0247	0.0114	0.0127	0.0108
HE6	AU 199	AU 200	HG 200	HG 201	HG 202	TL 202	TL 203	PB 205	PB 206	AT 211
		-29.9050	-27.2900	-29.0850	-27.6580	-27.3460	-26.1280	-25.7530	-23.7720	-23.7830
		-10.4914	-3.2140	-3.3164	1.4005	1.1646	4.3819	-10.2086	-0.7291	-25.4664
		0.0282	1.0000	0.0904	0.1003	1.0000	0.0101	0.0107	0.0107	0.0101
LI6	PT 199	PT 200	AU 200	AU 201	AU 202	HG 202	HG 203	TL 205	TL 206	PO 211
		-27.4040	-26.6100	-27.2900	-26.1600	-24.1100	-27.3460	-25.2620	-22.2590	-12.4290

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		6.7334	3.5470	8.2339	9.4299	7.5183	-5.4082	-1.0536	-2.4157	-30.4630
		0.0085	0.0117	0.0092	0.0085	0.0125	0.0085	0.0219	0.2001	1.4100
GAMMA	PB 206	PB 207	BI 207	BI 208	BI 209	PO 209	PO 210	AT 212	AT 213	RA 218
		-22.4456	-20.0410	-18.8810	-18.2630	-16.3700	-15.9500	-8.6410	-6.4600	6.6800
		-8.0824	-4.4354	1.3225	1.9765	0.5489	-13.0597	-6.1300	-8.3061	-37.8024
		0.0108	0.0267	0.0117	0.0092	0.0125	0.0125	0.0117	0.0219	0.0385
N	PB 205	PB 206	BI 206	BI 207	BI 208	PO 208	PO 209	AT 211	AT 212	RA 217
		-23.7720	-20.1300	-20.0410	-18.8810	-17.4720	-16.3700	-11.6360	-8.6410	5.9480
		-7.2650	-0.7415	4.5089	5.6280	2.7404	-10.3842	-4.5546	-5.7937	-35.5020
		0.0100	0.0092	0.0085	0.0085	0.0092	0.0085	0.0086	0.0086	0.2801
P	TL 205	TL 206	PB 206	PB 207	PB 208	BI 208	BI 209	PO 211	PO 212	FR 217
		-23.8070	-22.2590	-22.4450	-21.7500	-18.8810	-18.2630	-12.4290	-10.3710	4.4300
		-12.5749	-5.0405	-5.8579	0.4760	-1.9466	-15.6132	-6.8805	-9.5826	-39.9989
		0.0100	0.0100	0.0108	0.0085	0.0117	0.0092	0.0086	0.0086	1.0000
D	TL 204	TL 205	PB 205	PB 206	PB 207	BI 207	BI 208	PO 210	PO 211	FR 216
		-24.3440	-23.8070	-23.7720	-22.4450	-20.0410	-18.8810	-15.9500	-12.4290	3.0800
		-12.9799	-6.3175	-6.3350	-1.8250	-3.6716	-16.2672	-8.2745	-7.8756	-39.1079
		0.0092	0.0100	0.0100	0.0108	0.0267	0.0117	0.0126	0.0086	0.0326
T	TL 203	TL 204	PB 204	PB 205	PB 206	BI 206	BI 207	PO 209	PO 210	FR 215
		-25.7530	-24.3440	-25.1090	-23.7720	-20.1300	-20.0410	-16.3700	-15.9500	0.3750
		-13.4523	-5.9539	-7.0813	-1.7714	-1.5054	-13.8446	-6.3629	-9.0170	-37.4943
		0.0092	0.0085	0.0100	0.0100	0.0092	0.0085	0.0086	0.0086	0.1002
HE3	HG 203	HG 204	TL 204	TL 205	TL 206	PB 206	PB 207	BI 209	BI 210	RN 215
		-25.2620	-24.6890	-24.3440	-23.8070	-22.2590	-22.4450	-18.2630	-14.7900	-1.2200
		1.1383	7.1257	6.8342	11.2722	12.5492	12.4956	6.7617	6.9626	-21.8977
		0.0085	0.0092	0.0092	0.0100	0.0100	0.0108	0.0093	0.0086	1.0000
HE4	HG 202	HG 203	TL 203	TL 204	TL 205	PB 205	PB 206	BI 208	BI 209	RN 214
		-27.3460	-25.2620	-25.7530	-24.3440	-23.8070	-23.7720	-18.8810	-18.2630	-4.3100
		-12.2962	-5.6518	-4.5892	-2.1173	-0.6783	-1.5139	-13.8475	-7.1628	-6.4329
		0.0100	0.0101	0.0094	0.0241	0.0101	0.0140	0.0108	0.0270	0.0140
HE6	HG 200	HG 201	TL 201	TL 202	TL 203	PB 203	PB 204	BI 206	BI 207	RN 212
		-29.0850	-27.6580	-29.5030	-26.1280	-25.7530	-24.9360	-25.1090	-20.1300	-20.0410
		-10.5814	-3.6400	-2.9244	2.6105	2.3406	2.8129	-11.1026	-0.5191	-29.2304
		0.0902	0.1002	0.0093	0.0086	0.0093	0.0093	0.0101	0.0086	0.0219
LI6	AU 200	AU 201	HG 201	HG 202	HG 203	TL 203	TL 204	PB 206	PB 207	AT 212
		-27.2900	-26.1600	-27.6580	-27.3460	-25.2620	-25.7530	-24.3440	-22.4450	-8.6410

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING			7.3764	3.7250	8.9539	7.2950	8.4363	-7.5912	-1.8966	-4.1157	-31.8050
		0.0085	0.0092	0.0085	0.0085	0.0085	0.0085	0.0085	0.2001	0.0135	0.1401
GAMMA	PB 207	PB 208	BI 208	BI 209	BI 210	PO 210	PO 211	AT 213	AT 214	RA 219	
		-21.7500	-18.8810	-18.2630	-14.7900	-15.9500	-12.4290	-6.4600	-3.4220	9.3600	
		-6.7334	-3.1865	1.5005	2.6965	0.7849	-12.1417	-7.7870	-9.1491	-37.1964	
		0.0085	0.0117	0.0092	0.0085	0.0125	0.0085	0.0219	0.2001	1.4100	
N	PB 206	PB 207	BI 207	BI 208	BI 209	PO 209	PO 210	AT 212	AT 213	RA 218	
		-23.7830	-20.0410	-18.8810	-18.2630	-16.3700	-15.9500	-8.6410	-6.4600	6.6800	
		-7.4750	-0.6505	5.1519	2.8400	3.4604	-12.5192	-5.2746	-8.1647	-36.7340	
		0.0092	0.0100	0.0085	0.0108	0.0085	0.0085	0.0086	0.0117	0.0162	
P	TL 206	TL 207	PB 207	PB 208	PB 209	BI 209	BI 210	PO 212	PO 213	FR 218	
		-22.2590	-21.0120	-21.7500	-17.6240	-18.2630	-14.7900	-10.3710	-6.6620	7.0000	
		-11.7739	-5.2505	-4.5089	1.1190	-1.7686	-14.8932	-9.0635	-10.3026	-40.0109	
		0.0100	0.0092	0.0085	0.0085	0.0092	0.0085	0.0086	0.0086	0.2801	
D	TL 205	TL 206	PB 206	PB 207	PB 208	BI 208	BI 209	PO 211	PO 212	FR 217	
		-23.8070	-22.2590	-23.7830	-21.7500	-18.8810	-18.2630	-12.4290	-10.3710	4.4300	
		-13.0509	-5.5165	-6.3340	-0.4760	-2.4226	-16.0892	-7.3565	-10.0586	-40.4749	
		0.0100	0.0100	0.0108	0.0085	0.0117	0.0092	0.0086	0.0086	1.0000	
T	TL 204	TL 205	PB 205	PB 206	PB 207	BI 207	BI 208	PO 210	PO 211	FR 216	
		-24.3440	-23.8070	-23.7720	-23.7830	-20.0410	-18.8810	-15.9500	-12.4290	3.0800	
		-12.6873	-7.1449	-6.2803	-1.9814	-1.4144	-13.2016	-8.4979	-10.6320	-37.6303	
		0.0085	0.1002	0.0100	0.0092	0.0100	0.0085	0.0086	0.0101	0.0134	
HE3	HG 204	HG 205	TL 205	TL 206	TL 207	PB 207	PB 208	BI 210	BI 211	RN 216	
		-24.6890	-22.1600	-23.8070	-22.2590	-21.0120	-21.7500	-14.7900	-11.8370	0.2540	
		0.3923	7.8907	6.7632	12.0732	12.3392	13.8446	7.4817	4.8276	-23.6497	
		0.0092	0.0085	0.0100	0.0100	0.0092	0.0085	0.0086	0.0086	0.1002	
HE4	HG 203	HG 204	TL 204	TL 205	TL 206	PB 206	PB 207	BI 209	BI 210	RN 215	
		-25.2620	-24.6890	-24.3440	-23.8070	-22.2590	-23.7830	-18.2630	-14.7900	-1.2200	
		-12.3852	-4.6258	-6.6262	-1.1543	-0.7492	-0.0029	-13.8464	-5.9138	-6.2549	-34.3902
		0.0100	0.0094	0.0241	0.0101	0.0108	0.0108	0.0115	0.0124	0.0101	0.0241
HE6	HG 201	HG 202	TL 202	TL 203	TL 204	PB 204	PB 205	BI 207	BI 208	RN 213	
		-27.6580	-27.3460	-26.1280	-25.7530	-24.3440	-25.1090	-23.7720	-20.0410	-18.8810	-5.6530
		-10.3734	-4.3520	-1.8984	1.8645	3.1056	2.7419	-10.3016	0.1239	-30.0734	
		0.1002	1.0000	0.0086	0.0093	0.0086	0.0101	0.0101	0.0086	0.2001	
LI6	AU 201	AU 202	HG 202	HG 203	HG 204	TL 204	TL 205	PB 207	PB 208	AT 213	
		-26.1600	-24.1100	-27.3460	-25.2620	-24.6890	-24.3440	-23.8070	-21.7500	-6.4600	

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MASS EXCESS -18.2630 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING		4.5984	4.9760	7.3019	7.0580	5.3093	-9.3782	-2.9546	-3.6097	-32.8630
		0.0085	0.0085	0.0085	0.0085	0.0218	0.2001	0.1002	0.0135	0.3501
GAMMA	BI 209	BI 210	PO 210	PO 211	PO 212	AT 212	AT 213	RN 215	RN 216	AC 221
		-14.7900	-15.9500	-12.4290	-10.3710	-8.6410	-6.4600	-1.2200	0.2540	14.6000
		-7.4534	-2.6755	2.7515	1.0445	0.2329	-15.2687	-7.9360	-10.2071	
		0.0092	0.0125	0.0085	0.0085	0.0117	0.0218	1.0000	0.1002	MASS
N	BI 208	BI 209	PO 209	PO 210	PO 211	AT 211	AT 212	RN 214	RN 215	AC 220
		-18.8810	-16.3700	-15.9500	-12.4290	-11.6360	-8.6410	-4.3100	-1.2200	UNKNOWN
		-3.8020	0.1435	2.3739	1.2350	1.8083	-12.7562	-8.0416	-9.3917	-35.8230
		0.0085	0.0108	0.0085	0.0100	0.0085	0.0085	0.0135	0.0228	0.0162
P	PB 208	PB 209	BI 209	BI 210	BI 211	PO 211	PO 212	AT 214	AT 215	RA 220
		-21.7500	-17.6240	-14.7900	-11.8370	-12.4290	-10.3710	-3.4220	-1.2530	10.2710
		-8.9539	-1.5775	-5.2289	-1.6590	-0.5176	-16.5452	-10.8505	-13.0696	-40.7589
		0.0085	0.0085	0.0092	0.0085	0.0085	0.0085	0.2001	0.0135	0.1401
D	PB 207	PB 208	BI 208	BI 209	BI 210	PO 210	PO 211	AT 213	AT 214	RA 219
		-22.4450	-21.7500	-18.8810	-14.7900	-15.9500	-12.4290	-6.4600	-3.4220	9.3600
		-9.4299	-2.6965	-5.8830	-1.1960	-1.9116	-14.8382	-10.4835	-11.8456	-39.8929
		0.0085	0.0085	0.0117	0.0092	0.0125	0.0085	0.0219	0.2001	1.4100
T	PB 206	PB 207	BI 207	BI 208	BI 209	PO 209	PO 210	AT 212	AT 213	RA 218
		-23.7830	-22.4450	-20.0410	-18.8810	-16.3700	-15.9500	-8.6410	-6.4600	6.6800
		-10.9353	-4.1109	-3.4604	1.6916	-0.6204	-15.9796	-8.7349	-11.6250	-40.1943
		0.0092	0.0100	0.0085	0.0085	0.0108	0.0085	0.0086	0.0117	0.0162
HE3	TL 206	TL 207	PB 207	PB 208	PB 209	BI 209	BI 210	PO 212	PO 213	FR 218
		-22.2590	-21.0120	-22.4450	-21.7500	-17.6240	-14.7900	-10.3710	-6.6620	7.0000
		3.1193	9.6427	10.3842	14.8932	16.0122	13.1246	5.8297	4.5906	-25.1177
		0.0100	0.0092	0.0085	0.0085	0.0085	0.0092	0.0086	0.0086	0.2801
HE4	TL 205	TL 206	PB 206	PB 207	PB 208	BI 208	BI 209	PO 211	PO 212	FR 217
		-23.8070	-22.2590	-23.7830	-22.4450	-21.7500	-18.8810	-12.4290	-10.3710	4.4300
		-10.1082	-3.4458	-3.4632	1.0467	2.8717	-0.7999	-13.3955	-5.4028	-36.2362
		0.0100	0.0108	0.0108	0.0115	0.0094	0.0270	0.0123	0.0094	0.0328
HE6	TL 203	TL 204	PB 204	PB 205	PB 206	BI 206	BI 207	PO 209	PO 210	FR 215
		-25.7530	-24.3440	-25.1090	-23.7720	-23.7830	-20.1300	-20.0410	-16.3700	0.3750
		-7.0894	0.4090	-0.7184	4.5915	4.8576	6.3629	-7.4816	-2.6541	-31.1314
		0.0093	0.0086	0.0101	0.0101	0.0093	0.0086	0.0086	0.0086	0.1002
LI6	HG 203	HG 204	TL 204	TL 205	TL 206	PB 206	PB 207	BI 209	BI 210	RN 215
		-25.2620	-24.6890	-24.3440	-23.8070	-22.2590	-23.7830	-22.4450	-14.7900	-1.2200

90 TH 232

MASS EXCESS 35.5170 +/- 0.0140 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		4.7804	5.2430	8.2679	8.1370	9.5193	-4.5732	2.1404	1.1043	-23.0040
		0.0205	0.0205	0.0236	0.1010	0.0178	0.0198	0.0198	0.0185	0.0198
GAMMA	TH 232	TH 233	PA 233	PA 234	PA 235	U 235	U 236	NP 238	NP 239	CM 244
		38.8080	37.5630	40.3850	42.3300	40.9290	42.5150	47.4650	49.3200	58.5210
		-6.3784	-1.2284	3.0185	2.0105	4.2219	-11.0587	-3.4100	-5.1121	-29.7444
		0.0178	0.0269	0.0205	0.0236	0.0184	0.0178	0.0198	0.0198	0.0184
N	TH 231	TH 232	PA 232	PA 233	PA 234	U 234	U 235	NP 237	NP 238	CM 243
		33.8240	35.9630	37.5630	40.3850	38.1550	40.9290	44.9440	47.4650	57.1900
		-7.6920		2.5559	2.5360	2.7743	-11.6772	-3.1446	-4.1997	-28.9560
		0.1010	MASS	0.0205	0.0198	0.0236	0.1010	0.0198	0.0198	0.0184
P	AC 231	AC 232	TH 232	TH 233	TH 234	PA 234	PA 235	U 237	U 238	AM 243
		35.9200	UNKNOWN	38.8080	40.6420	40.3850	42.3300	45.4610	47.3350	57.1840
		-11.3889	-5.4675	-4.1539	-1.4770	-0.2506	-15.5792	-6.0455	-8.1726	-33.0959
		1.0001	0.1010	0.0178	0.0205	0.0205	0.0236	0.0198	0.0198	0.0198
D	AC 230	AC 231	TH 231	TH 232	TH 233	PA 233	PA 234	U 236	U 237	AM 242
		33.7700	35.9200	33.8240	38.8080	37.5630	40.3850	42.5150	45.4610	55.4770
		-10.1729	-5.1315	-3.0180	-0.1210	-0.4646	-14.5712	-6.2736	-7.0406	-32.4419
		1.0001	1.0001	0.0184	0.0178	0.0269	0.0205	0.0178	0.0198	0.0198
T	AC 229	AC 230	TH 230	TH 231	TH 232	PA 232	PA 233	U 235	U 236	AM 241
		30.7400	33.7700	30.8740	33.8240	35.9630	37.5630	40.9290	42.5150	53.0090
		MASS	MASS	-5.8953	-2.1984			-15.7976	-7.6559	-9.9170
		RA 229	RA 230	1.0001	0.1010	MASS		0.0205	0.1010	1.0001
HE3	UNKNOWN	UNKNOWN	AC 230	AC 231	AC 232	TH 232	TH 233	PA 235	PA 236	PU 241
			33.7700	35.9200	UNKNOWN		38.8080	42.3300	45.4100	53.0290
		4.0822	9.6412	12.4582	12.1222	14.1996		6.7956	5.6695	-17.1028
		0.0205	MASS	1.0001	1.0001	0.0178		0.0236	0.1010	0.0198
HE4	RA 228	RA 229	AC 229	AC 230	AC 231	TH 231	TH 232	PA 234	PA 235	PU 240
		29.0100	UNKNOWN	30.7400	33.7700	35.9200	33.8240	40.3850	42.3300	50.1950
		-5.7632	-1.1878	-0.6602	2.1007	2.1287	3.1901	-10.5305	-3.9558	-4.7369
		0.0189	0.0272	0.0182	0.0209	1.0001	0.0209	0.0189	0.0272	0.0209
HE6	RA 226	RA 227	AC 227	AC 228	AC 229	TH 229	TH 230	PA 232	PA 233	PU 238
		23.6820	27.1780	25.8680	28.9540	30.7400	29.6600	30.8740	35.9630	37.5630
			1.5396	5.5545			5.6199	-9.9167		-2.4721
		MASS	MASS	0.0269	0.0205	MASS	1.0001	1.0001		0.0206
LI6	FR 226	FR 227	RA 227	RA 228	RA 229	AC 229	AC 230	TH 232	TH 233	NP 238
		UNKNOWN	UNKNOWN	27.1780	29.0100	UNKNOWN	30.7400	33.7700	38.8080	47.4650

90 TH 232

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91 PA 231

MASS EXCESS 33.4400 +/- 0.0110 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.5484	6.1110	9.5819	10.2349	8.4013	-5.1873	2.3684	2.1763	-25.2610
		0.0255	0.0163	0.0186	0.0163	0.1006	0.0156	0.0194	0.0163	0.0264
GAMMA	PA 231	PA 232	U 232	U 233	U 234	NP 234	NP 235	PU 237	PU 238	BK 243
		35.9630	34.6180	36.9940	38.1550	39.9700	41.0520	45.1600	46.1710	58.7010
		-6.8034	-1.1425	3.8865	3.3245	2.2699	-12.1767	-3.4540	-4.8841	-32.4414
		0.0228	0.0512	0.0163	0.0186	1.0001	0.1006	0.0171	0.0194	1.0001
N	PA 230	PA 231	U 231	U 232	U 233	NP 233	NP 234	PU 236	PU 237	BK 242
		32.1720	33.8000	34.6180	36.9940	38.0300	39.9700	42.9110	45.1600	57.8100
		-4.7230	0.3984	3.3239	3.5380	4.0883	-9.5792	-3.1866	-3.8857	-28.6620
		0.0163	0.0156	0.0255	0.0186	0.0186	0.0163	0.0186	0.0178	0.0163
P	TH 230	TH 231	PA 231	PA 232	PA 233	U 233	U 234	NP 236	NP 237	CM 242
		30.8740	33.8240	35.9630	37.5630	36.9940	38.1550	43.4260	44.9440	54.8130
		-9.3559	-2.4985	-4.5789	-0.7090	0.6174	-14.2652	-6.6595	-8.2146	-33.4639
		0.0186	0.0163	0.0228	0.0255	0.0163	0.0186	0.0156	0.0186	0.0202
D	TH 229	TH 230	PA 230	PA 231	PA 232	U 232	U 233	NP 235	NP 236	CM 241
		29.6600	30.8740	32.1720	35.9630	34.6180	36.9940	41.0520	43.4260	53.7680
		-8.2899	-3.0985	-4.1020	-0.5460	-0.3786	-13.7032	-7.3916	-7.6547	-33.2439
		0.0163	0.0186	0.0194	0.0228	0.0512	0.0163	0.1006	0.0156	0.0202
T	TH 228	TH 229	PA 229	PA 230	PA 231	U 231	U 232	NP 234	NP 235	CM 240
		26.7800	29.6600	29.8810	32.1720	33.8000	34.6180	39.9700	41.0520	51.7340
		-10.4453	-4.1599	-3.8623	0.7706	-0.3654	-15.0296	-5.5579	-7.5130	-32.9813
		0.0186	1.0001	0.0186	0.0163	0.0156	0.0255	0.0163	0.0156	1.0001
HE3	AC 228	AC 229	TH 229	TH 230	TH 231	PA 231	PA 232	U 234	U 235	AM 240
		28.9540	30.7400	29.6600	30.8740	33.8240	35.9630	38.1550	40.9290	51.4900
		5.1472	10.1327	11.5242	14.4912	15.0912	13.7746	8.1096	7.7675	-18.3898
		0.0156	0.0186	0.0163	0.0186	0.0163	0.0228	0.0186	0.0163	0.0255
HE4	AC 227	AC 228	TH 228	TH 229	TH 230	PA 230	PA 231	U 233	U 234	AM 239
		25.8680	28.9540	26.7800	29.6600	30.8740	32.1720	36.9940	38.1550	49.4050
		-5.7782	-0.3968	-0.0612	3.1537	4.0117	1.9091	-11.6145	-3.8698	-3.8689
		0.0190	0.0232	0.0215	0.0161	0.0168	0.0190	0.0198	0.0514	0.0168
HE6	AC 225	AC 226	TH 226	TH 227	TH 228	PA 228	PA 229	U 231	U 232	AM 237
		21.6200	24.3100	23.1920	25.8240	26.7800	28.8640	29.8810	33.8000	34.6180
		-2.7164	3.7410	2.3306	6.6195	5.3475	7.5029	-7.8837	-1.7041	-25.8084
		0.0194	0.0163	0.0229	0.0156	0.0186	0.0163	0.0186	0.0255	0.0194
LI6	RA 225	RA 226	AC 226	AC 227	AC 228	TH 228	TH 229	PA 231	PA 232	PU 237
		22.0680	23.6820	24.3100	25.8680	28.9540	26.7800	29.6600	35.9630	45.1600

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MASS EXCESS 38.1550 +/- 0.0120 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		5.2974	4.3920	7.8649	8.1610	7.9263	-5.5912	0.7534	0.0533	-25.9520
GAMMA	U 234	0.0163	0.0163	0.0192	0.0184	0.0200	0.0170	1.0001	0.0185	0.0200
		U 235	NP 235	NP 236	NP 237	PU 237	PU 238	AM 240	AM 241	CF 246
		40.9290	41.0520	43.4260	44.9440	45.1600	46.1710	51.4900	53.0090	64.1070
		-6.9104	-2.5974	2.1675	1.6075	2.1039	-12.6517	-5.2330	-6.4991	-33.3374
		0.0192	0.1007	0.0163	0.0192	0.0177	0.0200	0.0260	1.0001	0.0286
N	U 233	U 234	NP 234	NP 235	NP 236	PU 236	PU 237	AM 239	AM 240	CF 245
		36.9940	39.9700	41.0520	43.4260	42.9110	45.1600	49.4050	51.4900	63.4210
		-6.6970	-1.4476	3.0729	3.3010	2.3713	-11.6532	-3.6426	-4.4217	-31.0310
		0.0192	0.0225	0.0163	0.0184	0.0192	0.0184	0.0163	0.0185	0.0192
P	PA 233	PA 234	U 234	U 235	U 236	NP 236	NP 237	PU 239	PU 240	BK 245
		37.5630	40.3850	40.9290	42.5150	43.4260	44.9440	48.5970	50.1950	61.8970
		-10.9439	-4.4725	-4.6859	-0.9600	-1.1016	-15.9822	-7.0635	-8.6706	-35.6909
		0.0259	0.0192	0.0192	0.0163	0.0163	0.0192	0.0170	0.0163	1.0001
D	PA 232	PA 233	U 233	U 234	U 235	NP 235	NP 236	PU 238	PU 239	BK 244
		35.9630	37.5630	36.9940	40.9290	41.0520	43.4260	46.1710	48.5970	60.7100
		-10.2349	-4.6865	-4.1240	-0.6530	-1.8336	-15.4222	-7.8665	-8.0587	-35.4959
		0.0163	0.0259	0.0170	0.0192	0.1007	0.0163	0.0200	0.0170	0.0268
T	PA 231	PA 232	U 232	U 233	U 234	NP 234	NP 235	PU 237	PU 238	BK 243
		33.4400	35.9630	34.6180	36.9940	39.9700	41.0520	45.1600	46.1710	58.7010
		-10.6003	-4.2219	-5.4503	-1.2034	-2.2114	-15.2806	-7.6319	-9.3340	-33.9663
		0.0163	0.0184	0.0259	0.0192	0.0225	0.0163	0.0185	0.0185	0.0170
HE3	TH 231	TH 232	PA 232	PA 233	PA 234	U 234	U 235	NP 237	NP 238	CM 243
		33.8240	35.5170	35.9630	37.5630	40.3850	40.9290	44.9440	47.4650	57.1900
		4.8562	9.5777	9.5792	12.9032	13.1172	13.6676	6.3926	5.6936	-19.0828
		0.0170	0.0163	0.0163	0.0259	0.0192	0.0192	0.0192	0.0185	0.0170
HE4	TH 230	TH 231	PA 231	PA 232	PA 233	U 233	U 234	NP 236	NP 237	CM 242
		30.8740	33.8240	33.4400	35.9630	37.5630	36.9940	43.4260	44.9440	54.8130
		-6.2232	-1.0318	-2.0352	1.5207	2.0667	1.6881	-11.6365	-5.3248	-31.1772
		0.0174	0.0196	0.0204	0.0237	0.0168	0.0516	0.0174	0.1008	0.0168
HE6	TH 228	TH 229	PA 229	PA 230	PA 231	U 231	U 232	NP 234	NP 235	CM 240
		26.7800	29.6600	29.8810	32.1720	33.4400	33.8000	34.6180	39.9700	41.0520
		-4.8874	1.3980	1.6956	6.3285	5.1925	5.5579	-9.4716	-1.9551	-27.4234
		0.0192	1.0001	0.0192	0.0170	0.0163	0.0163	0.0260	0.0164	1.0001
LI6	AC 228	AC 229	TH 229	TH 230	TH 231	PA 231	PA 232	U 234	U 235	AM 240
		28.9540	30.7400	29.6600	30.8740	33.8240	33.4400	35.9630	40.9290	51.4900

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92 U 235

MASS EXCESS 40.9290 +/- 0.0110 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.4854	4.7920	9.1209	8.4139	9.6893	-5.2433	2.0084	0.3593	-25.2910
		0.0178	0.0186	0.0178	0.0178	0.0163	0.0156	0.0178	0.0178	1.0001
GAMMA	U 235	U 236	NP 236	NP 237	NP 238	PU 238	PU 239	AM 241	AM 242	CF 247
		42.5150	43.4260	44.9440	47.4650	46.1710	48.5970	53.0090	55.4770	66.2200
	-5.2974		-0.9055	2.5675	2.8635	2.6289	-10.8887	-4.5440	-5.2441	-31.2494
	0.0163		0.0156	0.0186	0.0178	0.0194	0.0163	1.0001	0.0178	0.0194
N	U 234	U 235	NP 235	NP 236	NP 237	PU 237	PU 238	AM 240	AM 241	CF 246
	38.1550		41.0520	43.4260	44.9440	45.1600	46.1710	51.4900	53.0090	64.1070
	-6.7450	-0.6186		4.2609	3.1290	3.6273	-11.4002	-2.4666	-4.4817	-30.4600
	0.0220	0.1006		0.0178	0.0178	0.0178	0.0178	0.0178	0.0178	1.0001
P	PA 234	PA 235	U 235	U 236	U 237	NP 237	NP 238	PU 240	PU 241	BK 246
	40.3850	42.3300		42.5150	45.4610	44.9440	47.4650	50.1950	53.0290	64.1000
	-9.7699	-4.5205	-3.0729		0.2280	-0.7016	-14.7262	-6.7155	-7.4946	-34.1039
	0.0186	0.0220	0.0163		0.0178	0.0186	0.0178	0.0156	0.0178	0.0186
D	PA 233	PA 234	U 234	U 235	U 236	NP 236	NP 237	PU 239	PU 240	BK 245
	37.5630	40.3850	38.1550		42.5150	43.4260	44.9440	48.5970	50.1950	61.8970
	-9.9839	-3.5125	-3.7260	0.9600		-0.1416	-15.0222	-6.1036	-7.7107	-34.7309
	0.0255	0.0186	0.0186	0.0163		0.0156	0.0186	0.0163	0.0156	1.0001
T	PA 232	PA 233	U 233	U 234	U 235	NP 235	NP 236	PU 238	PU 239	BK 244
	35.9630	37.5630	36.9940	38.1550		41.0520	43.4260	46.1710	48.5970	60.7100
	-9.5193	-4.7389	-4.2764	-1.2514	-1.3824		-14.0926	-7.3789	-8.4150	-32.5233
	0.0178	0.0186	0.0186	0.0220	0.1006		0.0178	0.0178	0.0163	0.0178
HE3	TH 232	TH 233	PA 233	PA 234	PA 235	U 235	U 236	NP 238	NP 239	CM 244
	35.5170	38.8080	37.5630	40.3850	42.3300		42.5150	47.4650	49.3200	58.5210
	4.6802	11.0587	9.8302	14.0772	13.0692	15.2806		7.6486	5.9465	-18.6858
	0.0156	0.0178	0.0255	0.0186	0.0220	0.0163		0.0178	0.0178	0.0163
HE4	TH 231	TH 232	PA 232	PA 233	PA 234	U 234	U 235	NP 237	NP 238	CM 243
	33.8240	35.5170	35.9630	37.5630	40.3850	38.1550		44.9440	47.4650	57.1900
	-6.3292	0.5282	-1.5522	3.0267	2.3177	3.6441	-11.2385	-3.6328	-5.1879	-30.4372
	0.0190	0.0168	0.0232	0.0161	0.0258	0.0168	0.0190	0.0161	0.0191	0.0206
HE6	TH 229	TH 230	PA 230	PA 231	PA 232	U 232	U 233	NP 235	NP 236	CM 241
	29.6600	30.8740	32.1720	33.4400	35.9630	34.6180	36.9940	41.0520	43.4260	53.7680
	-3.8994	1.1420	3.2556	6.1525	6.2735	5.8089	-8.2977		-0.7671	-26.1684
	1.0001	1.0001	0.0163	0.0156	0.0178	0.0255	0.0186		0.0179	0.0178
LI6	AC 229	AC 230	TH 230	TH 231	TH 232	PA 232	PA 233	U 235	U 236	AM 241
	30.7400	33.7700	30.8740	33.8240	35.5170	35.9630	37.5630		42.5150	53.0090

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		4.8044	5.3040	8.2309	7.8949	9.2373	-4.5843	1.4734	0.2233	-23.8620
		0.0198	0.0184	0.0616	0.1010	0.0198	0.0205	0.0205	0.0253	0.0220
GAMMA	U 238	U 239	NP 239	NP 240	NP 241	PU 241	PU 242	AM 244	AM 245	CF 250
		50.6020	49.3200	52.2400	54.3900	53.0290	54.7440	59.9500	62.0190	71.1970
	-6.1974		-0.9125	3.0795	1.9735	3.9999	-11.3407	-3.8320	-5.7791	-30.5384
	0.0198		0.0198	0.0184	0.0616	0.0198	0.0198	0.0185	0.0205	0.0228
N	U 237	U 238	NP 238	NP 239	NP 240	PU 240	PU 241	AM 243	AM 244	CF 249
	45.4610		47.4650	49.3200	52.2400	50.1950	53.0290	57.1840	59.9500	69.8020
	-7.7140			2.5799	2.2340	2.7373	-11.9192	-3.6316	-4.8897	-29.8810
	0.0519	MASS		0.0198	0.0252	0.0616	0.1010	0.0236	0.0322	0.0228
P	PA 237	PA 238	U 238	U 239	U 240	NP 240	NP 241	PU 243	PU 244	BK 249
	47.7600	UNKNOWN		50.6020	52.7620	52.2400	54.3900	57.7660	59.8430	69.9270
	-11.2109	-5.4895	-3.9729		-1.4530	-0.1896	-15.6162	-6.4565	-8.6596	-33.7709
	1.0001	0.0519	0.0198		0.0198	0.0184	0.0616	0.0205	0.0236	0.0616
D	PA 236	PA 237	U 237	U 238	U 239	NP 239	NP 240	PU 242	PU 243	BK 248
	45.4100	47.7600	45.4610		50.6020	49.3200	52.2400	54.7440	57.7660	67.9700
	-9.9450	-4.9535	-2.8410	0.0600		-0.1486	-14.5102	-6.5556	-7.4517	-33.0850
	0.1010	1.0001	0.0198	0.0198		0.0198	0.0184	0.0198	0.0205	0.0519
T	PA 235	PA 236	U 236	U 237	U 238	NP 238	NP 239	PU 241	PU 242	BK 247
	42.3300	45.4100	42.5150	45.4610		47.4650	49.3200	53.0290	54.7440	65.4700
			-5.7174	-2.2204			-15.7736	-7.8979	-10.2290	-33.0963
	MASS	MASS	1.0001	0.0519	MASS		0.0198	0.1010	1.0001	1.0001
HE3	TH 235	TH 236	PA 236	PA 237	PA 238	U 238	U 239	NP 241	NP 242	CM 247
	UNKNOWN	UNKNOWN	45.4100	47.7600	UNKNOWN		50.6020	54.3900	57.5400	65.5000
	4.2682		9.8692	12.6362	12.1002	14.3806		6.7586	5.4275	-17.7338
	0.0198	MASS	0.1010	1.0001	0.0519	0.0198		0.0616	0.1010	0.0213
HE4	TH 234	TH 235	PA 235	PA 236	PA 237	U 237	U 238	NP 240	NP 241	CM 246
	40.6420	UNKNOWN	42.3300	45.4100	47.7600	45.4610		52.2400	54.3900	62.6440
	-5.7802	-0.9998	-0.5372	2.4877	2.3567	3.7391	-10.3535	-3.6398	-4.6759	-28.7842
	0.0202	0.0209	0.0209	0.0239	0.1011	0.0182	0.0202	0.0202	0.0189	0.0202
HE6	TH 232	TH 233	PA 233	PA 234	PA 235	U 235	U 236	NP 238	NP 239	CM 244
	35.5170	38.8080	37.5630	40.3850	42.3300	40.9290	42.5150	47.4650	49.3200	58.5210
			1.7276	5.7405		5.8479	-9.7387		-2.4481	-26.7034
	MASS	MASS	0.0205	0.0198	MASS	0.1010	1.0001		0.0199	0.0205
LI6	AC 232	AC 233	TH 233	TH 234	TH 235	PA 235	PA 236	U 238	U 239	AM 244
	UNKNOWN	UNKNOWN	38.8080	40.6420	UNKNOWN	42.3300	45.4100		50.6020	59.9500

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UNIVERSITY OF CALIFORNIA
Lawrence Radiation Laboratory
Berkeley, California

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February 20, 1967

ERRATA

TO: All recipients of UCRL-16964
FROM: Technical Information Division
Subject: UCRL-16964, "Nuclear Reaction Q-Values,"
C. Maples, G. W. Goth and J. Cerny

Please make the following corrections on subject report.

NUCLEAR REACTION Q-VALUES

C. Maples, G. W. Goth and J. Cerny

Lawrence Radiation Laboratory and Department of Chemistry
University of California
Berkeley, California

February 1967

ERRATA

Some errors occur in reactions tabulated in Lawrence Radiation Laboratory Report UCRL-16964 released in July 1966. The errors in a given Q-value matrix will occur as one of four sets of reaction types. These sets and the target elements to which they apply are listed in Table I. As can be seen from this table, the errors are restricted to reactions in which the mass of the exit particle is greater than or equal to that of the incident particle - with most of the errors occurring when He^6 or Li^6 is the exit particle.

The targets whose Q-value matrices contain errors are restricted to four mass regions:

- (1) ${}_{26}\text{Fe}^{57}$ to ${}_{30}\text{Zn}^{64}$ (2) ${}_{46}\text{Pd}^{108}$ to ${}_{50}\text{Sn}^{114}$
(3) ${}_{62}\text{Sm}^{154}$ to ${}_{68}\text{Er}^{162}$ (4) ${}_{80}\text{Hg}^{201}$ to ${}_{82}\text{Pb}^{206}$.

No errors occur below Fe^{57} (page 119) and not all the targets in the regions listed above contain errors - only those targets listed in Table I.

The 16 pages of Q-value matrices which follow should be used to replace the corresponding pages of the original report. This will correct all the errors listed in Table I with the exception of the nine underlined targets where errors occur solely in the (γ, He^6) and (p, He^6) reactions. The correct information for these 18 reactions is tabulated in Table II.

Table I. The list of tabulated reactions containing errors.

Incident Particle	Exit Particle	Targets Affected
γ n p d t He^3 He^4 Li^6	$n, d, t, He^3, He^4, He^6, Li^6$ t, He^4, He^6, Li^6 $n, d, t, He^3, He^4, He^6, Li^6$ t, He^4, He^6, Li^6 t, He^4, He^6, Li^6 He^4, He^6, Li^6 He^6, Li^6 He^6	$Fe^{57},$ $Gd^{155},$ Hg^{201}
γ n p d t He^3 He^4	t, He^4, He^6, Li^6 t, He^4, He^6, Li^6 He^4, He^6, Li^6 He^6, Li^6 He^6, Li^6 He^6	$Fe^{58}, Co^{59}, Ni^{60},$ $Pd^{108}, Ag^{109}, Cd^{110}, Sn^{112},$ $Sm^{154}, Gd^{156}, Dy^{158},$ $Hg^{202}, Tl^{203}, Pb^{204}$
γ n p d He^3	He^6, Li^6 He^6, Li^6 He^6, Li^6 He^6	$Ni^{61},$ $Cd^{111},$ Gd^{157}
γ p	He^6 He^6	$\underline{Ni^{62}}, \underline{Cu^{63}}, \underline{Zn^{64}},$ $\underline{Pd^{110}}, \underline{Cd^{112}}, \underline{In^{113}}, \underline{Sn^{114}},$ $\underline{Gd^{158}}, \underline{Tb^{159}}, \underline{Dy^{160}}, \underline{Er^{162}},$ $\underline{Hg^{204}}, \underline{Tl^{205}}, \underline{Pb^{206}}$

Table II. Corrections to Q-Value Tables not contained in supplementary sheets.

Target	(γ , He ⁶)	(p, He ⁶)
Ni ⁶²	-23.7408	-17.7183
	0.0075	0.0079
	Fe 56	Co 57
	-60.6054	-59.3389
Cu ⁶³	-23.8424	-15.6643
	0.0078	0.0081
	Co 57	Ni 58
	-59.3389	-60.2280
Zn ⁶⁴	-23.3705	-19.9505
	0.0079	0.0219
	Ni 58	Cu 59
	-60.2280	-56.3590
Pd ¹¹⁰	-17.8463	-10.7812
	0.0144	0.0181
	Ru 104	Rh 105
	-88.0899	-87.8660
In ¹¹³	-18.5344	-10.4001
	0.0099	0.0099
	Ag 107	Cd 108
	-88.4028	-89.2481
Sn ¹¹⁴	-18.9151	-14.3442
	0.0099	0.0158
	cd 108	In 109
	-89.2481	-86.5300
Tb ¹⁵⁹	-13.7712	- 6.1902
	0.0291	0.0303
	Eu 153	Gd 154
	-73.3610	-73.6530
Dy ¹⁶⁰	-13.6182	- 8.8422
	0.0265	1.0002
	Gd 154	Tb 155
	-73.6530	-71.1400
Er ¹⁶²	-13.1082	MASS
	0.1924	Ho 157
	Dy 156	UNKNOWN
	-70.8600	

26 FE 57

MASS EXCESS -60.1755 +/- 0.0042 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		10.0424	6.9515	15.1931	16.4258	19.2265	6.4693	19.4960	20.1594	6.9252
		0.0064	0.0073	0.0055	0.0062	0.0062	0.0073	0.0065	0.0065	0.0059
GAMMA	FE 57	FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69
		-62.1465	-59.8380	-62.2327	-61.6513	-64.4707	-64.2200	-65.5831	-65.4276	-67.1007
		-7.6415	-1.6190	4.7270	8.9357	7.8443	-1.3515	8.6545	12.2435	-1.6769
		0.0058	0.0062	0.0073	0.0055	0.0057	0.0062	0.0109	0.0065	1.0000
N	FE 56	FE 57	CO 57	CO 58	CO 59	NI 59	NI 60	CU 62	CU 63	GE 68
		-60.6054	-59.3389	-59.8380	-62.2327	-61.1599	-64.4707	-62.8130	-65.5831	-66.5700
		-10.5607	-1.9130	7.8179	8.1454	9.6996	-3.3884	13.3719	12.9588	-0.3905
		0.0060	0.3000	0.0064	0.0060	0.0055	0.0062	0.0066	0.0066	0.0073
P	MN 56	MN 57	FE 57	FE 58	FE 59	CO 59	CO 60	NI 62	NI 63	GA 68
		-56.9038	-57.4800	-62.1465	-60.6599	-62.2327	-61.6513	-66.7480	-65.5160	-67.0740
		-15.6066	-8.3362	-5.4170	3.7850	1.4579	-8.6540	4.9970	8.3439	-6.4494
		0.0053	0.0060	0.0058	0.0064	0.0073	0.0055	0.0074	0.0066	0.0108
D	MN 55	MN 56	FE 56	FE 57	FE 58	CO 58	CO 59	NI 61	NI 62	GA 67
		-57.7048	-56.9038	-60.6054	-62.1465	-59.8380	-62.2327	-64.2200	-66.7480	-66.8620
		-19.5734	-9.3492	-10.3637	-1.3841	-0.8552	-12.8627	3.4337	4.0019	-11.4194
		0.0065	0.0053	0.0054	0.0058	0.0062	0.0073	0.0063	0.0074	0.0073
T	MN 54	MN 55	FE 55	FE 56	FE 57	CO 57	CO 58	NI 60	NI 61	GA 66
		-55.5520	-57.7048	-57.4728	-60.6054	-59.3389	-59.8380	-64.4707	-64.2200	-63.7060
		-18.1763	-11.5224	-10.1130	-5.0671	-2.6769	-10.5356	0.6329	2.7305	-6.2258
		0.0057	0.0082	0.0053	0.0060	0.3000	0.0064	0.0063	0.0402	0.0073
HE3	CR 54	CR 55	MN 55	MN 56	MN 57	FE 57	FE 58	CO 60	CO 61	ZN 66
		-56.9305	-55.1130	-57.7048	-56.9038	-57.4800	-62.1465	-61.6513	-62.9300	-68.8810
		-7.3195	2.4017	0.2407	8.2405	9.2535	12.9365	13.7209	13.9584	3.3168
		0.0052	0.0057	0.0065	0.0054	0.0060	0.0058	0.0057	0.0063	0.0065
HE4	CR 53	CR 54	MN 54	MN 55	MN 56	FE 56	FE 57	CO 59	CO 60	ZN 65
		-55.2807	-56.9305	-55.5520	-57.7048	-56.9038	-60.6054	-62.2327	-61.6513	-65.9170
		-26.3265	-14.2916	-19.7827	-9.9550	-7.2717	-6.5969	-17.8761	-4.3464	-15.5567
		0.0064	0.0065	0.0083	0.0067	0.0077	0.0074	0.0067	0.0075	0.0083
HE6	CR 51	CR 52	MN 52	MN 53	MN 54	FE 54	FE 55	CO 57	CO 58	ZN 63
		-51.4472	-55.4107	-50.7020	-54.6828	-55.5520	-56.2455	-57.4728	-59.3389	-59.8380
		-22.0650	-14.7565	-11.5642	-5.8473	-2.3834	-3.7806	-14.1343	2.7899	-8.6808
		0.0050	0.0066	0.0053	0.0053	0.0058	0.0066	0.0055	0.0066	0.0065
LI6	V 51	V 52	CR 52	CR 53	CR 54	MN 54	MN 55	FE 57	FE 58	CU 63
		-52.1989	-51.4360	-55.4107	-55.2807	-56.9305	-55.5520	-57.7048	-62.1465	-65.5831

26 FE 58

MASS EXCESS -62.1465 +/- 0.0048 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
			6.5848	7.3752	12.6407	15.7334	17.0048	7.0263	17.3695	20.0268	8.4115
GAMMA	FE 58	0.0064	0.0060	0.0066	0.0403	0.0077	0.0069	0.0069	0.0069	0.0070	0.0051
		FE 59	CO 59	CO 60	CO 61	NI 61	NI 62	CU 64	CU 65	GE 70	
		-60.6599	-62.2327	-61.6513	-62.9300	-64.2200	-66.7480	-65.4276	-67.2660	-70.5580	
		-10.0424		-3.0910	5.1507	6.3833	9.1841	-3.5732	9.4536	10.1170	-3.1172
		0.0064		0.0077	0.0060	0.0066	0.0067	0.0077	0.0069	0.0069	0.0064
N	FE 57	FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69	
		-60.1755	-59.8380	-62.2327	-61.6513	-64.4707	-64.2200	-65.5831	-65.4276	-67.1007	
		-11.9555	-5.7140		4.3603	7.0255	7.1472	-4.0807	10.1689	12.5778	-0.1093
		0.3000	1.0000		0.0064	0.0304	0.0066	0.0403	0.0070	0.0070	0.0059
P	MN 57	MN 58	FE 58	FE 59	FE 60	CO 60	CO 61	NI 63	NI 64	GA 69	
		-57.4800	-55.6500	-60.6599	-61.5110	-61.6513	-62.9300	-65.5160	-67.1060	-69.3262	
		-18.3786	-9.7310	-7.8179		0.3274	1.8816	-11.2064	5.5540	5.1409	-8.2084
		0.0064	0.3000	0.0064		0.0064	0.0060	0.0066	0.0070	0.0070	0.0077
D	MN 56	MN 57	FE 57	FE 58	FE 59	CO 59	CO 60	NI 62	NI 63	GA 68	
		-56.9038	-57.4800	-60.1755	-60.6599	-62.2327	-61.6513	-66.7480	-65.5160	-67.0740	
		-19.3916	-12.1212	-9.2021	-3.7850		-2.3271	-12.4390	1.2120	4.5589	-10.2344
		0.0058	0.0064	0.0063	0.0064		0.0077	0.0060	0.0078	0.0070	0.0111
T	MN 55	MN 56	FE 56	FE 57	FE 58	CO 58	CO 59	NI 61	NI 62	GA 67	
		-57.7048	-56.9038	-60.6054	-60.1755	-59.8380	-62.2327	-64.2200	-66.7480	-66.8620	
		-21.9648	-13.7164	-12.8850	-6.4619	-6.4779		-13.9932	-0.0594	-0.6425	-9.2148
		0.0085	0.1501	0.0064	0.3000	1.0000		0.0065	0.0403	0.0403	0.0111
HE3	CR 55	CR 56	MN 56	MN 57	MN 58	FE 58	FE 59	CO 61	CO 62	ZN 67	
		-55.1130	-55.2900	-56.9038	-57.4800	-55.6500	-60.6599	-62.9300	-61.5280	-67.8630	
		-7.6407	-1.3868	0.4225	5.4685	7.8587	10.5356		11.1685	13.2660	4.3097
		0.0061	0.0085	0.0058	0.0065	0.3000	0.0064		0.0067	0.0403	0.0077
HE4	CR 54	CR 55	MN 55	MN 56	MN 57	FE 57	FE 58	CO 60	CO 61	ZN 66	
		-56.9305	-55.1130	-57.7048	-56.9038	-57.4800	-60.1755	-61.6513	-62.9300	-68.8810	
		-24.3340	-16.3526	-17.7729	-11.0568	-7.0899	-7.3406	-16.7145	-5.8183	-2.6047	-13.7444
		0.0069	0.0069	0.0071	0.0080	0.0071	0.0071	0.0074	0.0087	0.0073	0.0078
HE6	CR 52	CR 53	MN 53	MN 54	MN 55	FE 55	FE 56	CO 58	CO 59	ZN 64	
		-55.4107	-55.2807	-54.6828	-55.5520	-57.7048	-57.4728	-60.6054	-59.8380	-62.2327	-66.0003
		-24.7989	-16.3835	-13.6652	-6.1685	-6.1719	-3.5988	-16.9063		-0.6677	-10.8073
		0.0070	0.0502	0.0058	0.0062	0.0086	0.0059	0.0065		0.0066	0.0069
LI6	V 52	V 53	CR 53	CR 54	CR 55	MN 55	MN 56	FE 58	FE 59	CU 64	
		-51.4360	-51.7800	-55.2807	-56.9305	-55.1130	-57.7048	-56.9038	-60.6599	-65.4276	

27 CO 59

MASS EXCESS -62.2327 +/- 0.0036 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
CUT GOING										
		7.4900	9.5270	15.1232	19.4653	15.5116	5.7752	17.7727	21.5556	5.6603
		0.0058	0.0058	0.0070	0.0062	0.0106	0.0061	0.0063	0.0071	0.0097
GAMMA	CO 59	CO 60	NI 60	NI 61	NI 62	CU 62	CU 63	ZN 65	ZN 66	AS 71
		-61.6513	-64.4707	-64.2200	-66.7480	-62.8130	-65.5831	-65.9170	-68.8810	-67.8930
		-10.4661	-1.8552	7.3025	8.8658	6.6112	-5.0664	9.7846	10.5202	-5.9821
		0.0070	0.0053	0.0058	0.0070	0.0079	0.0106	0.0059	0.0063	0.0302
N	CO 58	CO 59	NI 59	NI 60	NI 61	CU 61	CU 62	ZN 64	ZN 65	AS 70
		-59.8380	-61.1599	-64.4707	-64.2200	-61.9840	-62.8130	-66.0003	-65.9170	-64.3220
		-7.3752	-0.7903	5.2655	8.3583	9.6297	-0.3489	9.9943	12.6516	1.0363
		0.0060	0.0056	0.0058	0.0402	0.0070	0.0062	0.0061	0.0063	0.0040
P	FE 58	FE 59	CO 59	CO 60	CO 61	NI 61	NI 62	CU 64	CU 65	GE 70
		-62.1465	-60.6599	-61.6513	-62.9300	-64.2200	-66.7480	-65.4276	-67.2660	-70.5580
		-15.1931	-5.1507	-8.2416	1.2326	4.0334	-8.7239	4.3029	4.9663	-8.2679
		0.0055	0.0060	0.0070	0.0058	0.0058	0.0070	0.0062	0.0061	0.0055
D	FE 57	FE 58	CO 58	CO 59	CO 60	NI 60	NI 61	CU 63	CU 64	GE 69
		-60.1755	-62.1465	-59.8380	-61.6513	-64.4707	-64.2200	-65.5831	-65.4276	-67.1007
		-16.5772	-8.9357	-10.5548	-4.2087	-1.0914	-10.2872	-0.2812	3.3078	-10.6126
		0.0054	0.0055	0.0058	0.0070	0.0053	0.0059	0.0107	0.0062	1.0000
T	FE 56	FE 57	CO 57	CO 58	CO 59	NI 59	NI 60	CU 62	CU 63	GE 68
		-60.6054	-60.1755	-59.3389	-59.8380	-61.1599	-64.4707	-62.8130	-65.5831	-66.5700
		-20.2602	-11.6126	-9.6995	-1.8816	-1.5542	-13.0880	3.6724	3.2593	-10.0900
		0.0056	0.3000	0.0055	0.0060	0.0056	0.0058	0.0063	0.0063	0.0070
HE3	MN 56	MN 57	FE 57	FE 58	FE 59	CO 59	CO 60	NI 62	NI 63	GA 68
		-56.9038	-57.4800	-60.1755	-62.1465	-60.6599	-61.6513	-66.7480	-65.5160	-67.0740
		-6.9526	0.3178	3.2369	8.6540	12.4390	10.1119	13.6510	16.9979	2.2046
		0.0049	0.0056	0.0054	0.0055	0.0060	0.0070	0.0071	0.0063	0.0106
HE4	MN 55	MN 56	FE 56	FE 57	FE 58	CO 58	CO 59	NI 61	NI 62	GA 67
		-57.7048	-56.9038	-60.6054	-60.1755	-62.1465	-59.8380	-64.2200	-66.7480	-66.8620
		-25.1481	-16.2075	-16.2964	-9.2222	-4.2755	-8.8686	-18.0672	-4.5826	-0.4529
		0.0064	0.0073	0.0071	0.0064	0.0067	0.0096	0.0071	0.0067	0.0169
HE6	MN 53	MN 54	FE 54	FE 55	FE 56	CO 56	CO 57	NI 59	NI 60	GA 65
		-54.6828	-55.5520	-56.2455	-57.4728	-60.6054	-56.0310	-59.3389	-61.1599	-64.4707
		-21.0404	-11.3192	-13.4801	-5.4804	-4.4673	-0.7844	-13.7208	0.2375	-10.4041
		0.0048	0.0053	0.0063	0.0050	0.0057	0.0055	0.0057	0.0060	0.0063
LI6	CR 53	CR 54	MN 54	MN 55	MN 56	FE 56	FE 57	CO 59	CO 60	ZN 65
		-55.2807	-56.9305	-55.5520	-57.7048	-56.9038	-60.6054	-60.1755	-61.6513	-65.9170

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27 CO 59

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		9.0033	3.4200	11.2539	16.7060	11.2833	3.3198	12.7884	17.3373	
GAMMA	NI 58	0.0063	0.0216	0.0094	0.0086	0.2001	0.0139	0.0304	0.0168	MASS
		NI 59	CU 59	CU 60	CU 61	ZN 61	ZN 62	GA 64	GA 65	SE 70
		-61.1599	-56.3590	-58.3460	-61.9840	-56.5800	-61.1230	-58.9280	-62.6580	UNKNOWN
	-12.1954		-9.3514	1.1955	4.9965		-9.2947	2.5090	5.5359	
	0.0168		0.0086	0.0216	0.0094	MASS	0.2001	1.0000	0.0304	MASS
N	NI 57	NI 58	CU 58	CU 59	CU 60	ZN 60	ZN 61	GA 63	GA 64	SE 69
	-56.1040		-51.6590	-56.3590	-58.3460	UNKNOWN	-56.5800	-56.7200	-58.9280	UNKNOWN
	-8.1781	0.3924		6.7788	11.9037	5.7604	-3.1082	8.7884	13.3906	-4.3170
	0.0068	0.0078		0.0063	0.0068	0.0094	0.0086	0.0079	0.0069	0.3000
P	CO 57	CO 58	NI 58	NI 59	NI 60	CU 60	CU 61	ZN 63	ZN 64	AS 69
	-59.3389	-59.8380		-61.1599	-64.4707	-58.3460	-61.9840	-62.2170	-66.0003	-63.2000
	-17.3329	-5.9536	-9.9709		2.7459	-2.0736	-12.5932	1.8475	3.7604	
	0.0094	0.0068	0.0168		0.0063	0.0216	0.0094	0.0140	0.0079	MASS
D	CO 56	CO 57	NI 57	NI 58	NI 59	CU 59	CU 60	ZN 62	ZN 63	AS 68
	-56.0310	-59.3389	-56.1040		-61.1599	-56.3590	-58.3460	-61.1230	-62.2170	UNKNOWN
	-21.1639	-11.0755	-13.9710	-5.9380		-8.5876	-16.3942	-4.5095	0.8524	
	0.0121	0.0094	0.0158	0.0168		0.0086	0.0216	0.2001	0.0140	MASS
T	CO 55	CO 56	NI 56	NI 57	NI 58	CU 58	CU 59	ZN 61	ZN 62	AS 67
	-54.0140	-56.0310	-53.9180	-56.1040		-51.6590	-56.3590	-56.5800	-61.1230	UNKNOWN
	-17.6865	-6.4825	-11.8393	-2.6845	-0.3714		-11.5747	0.9131	2.5610	-12.6993
	0.0061	0.0064	0.0094	0.0068	0.0078		0.0064	0.0087	0.0112	0.1001
HE3	FE 55	FE 56	CO 56	CO 57	CO 58	NI 58	NI 59	CU 61	CU 62	GE 67
	-57.4728	-60.6054	-56.0310	-59.3389	-59.8380		-61.1599	-61.9840	-62.8130	-62.4600
	-6.4072	2.8915	-1.3498	6.5142	11.6361	8.3826		9.7817	14.2386	-1.9128
	0.0068	0.0061	0.0121	0.0094	0.0068	0.0168		0.0095	0.0087	0.1501
HE4	FE 54	FE 55	CO 55	CO 56	CO 57	NI 57	NI 58	CU 60	CU 61	GE 66
	-56.2455	-57.4728	-54.0140	-56.0310	-59.3389	-56.1040		-58.3460	-61.9840	-60.7400
	-29.4982	-19.0568		-16.6963	-8.8622		-21.4834	-12.0788	-6.5599	
	0.0145	0.0455	MASS	0.0095	0.0127	MASS	0.0163	0.0096	0.0220	MASS
HE6	FE 52	FE 53	CO 53	CO 54	CO 55	NI 55	NI 56	CU 58	CU 59	GE 64
	-48.3280	-50.6980	UNKNOWN	-47.9940	-54.0140	UNKNOWN	-53.9180	-51.6590	-56.3590	UNKNOWN
	-23.6144	-11.5622	-16.3294	-4.9350	-1.8937	-5.3711	-15.8606		1.7508	-15.3884
	0.0079	0.0061	0.0453	0.0069	0.0061	0.0121	0.0095		0.0065	0.0304
LI6	MN 52	MN 53	FE 53	FE 54	FE 55	CO 55	CO 56	NI 58	NI 59	GA 64
	-50.7020	-54.6828	-50.6980	-56.2455	-57.4728	-54.0140	-56.0310		-61.1599	-58.9280

28 NI 60

MASS EXCESS -64.4707 +/- 0.0046 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUTGOING										
		7.8207	4.8023	11.4782	16.0624	12.6776	3.9544	13.3237	17.2986	3.1493
		0.0076	0.0084	0.0110	0.0067	0.0076	0.0065	0.0076	0.0111	1.0000
GAMMA	NI 60	NI 61	CU 61	CU 62	CU 63	ZN 63	ZN 64	GA 66	GA 67	SE 72
		-64.2200	-61.9840	-62.8130	-65.5831	-62.2170	-66.0003	-63.7060	-66.8620	-67.6200
	-11.3822		-6.9071	2.5778	5.2208	3.5122	-7.9004	4.2043	6.0712	-9.0521
	0.0060		0.0092	0.0084	0.0110	0.0138	0.0076	0.0167	0.0076	0.3000
N	NI 59	NI 60	CU 60	CU 61	CU 62	ZN 62	ZN 63	GA 65	GA 66	SE 71
	-61.1599		-58.3460	-61.9840	-62.8130	-61.1230	-62.2170	-62.6580	-63.7060	-63.4900
	-9.5270	-2.0370		5.5962	9.9383	5.9847	-3.7518	8.2457	12.0286	-3.8667
	0.0058	0.0064		0.0076	0.0068	0.0110	0.0067	0.0069	0.0076	0.0101
P	CO 59	CO 60	NI 60	NI 61	NI 62	CU 62	CU 63	ZN 65	ZN 66	AS 71
	-62.2327	-61.6513		-64.2200	-66.7480	-62.8130	-65.5831	-65.9170	-68.8810	-67.8930
	-17.7686	-7.3025	-9.1577		1.5633	-0.6913	-12.3689	2.4821	3.2177	-13.2846
	0.0076	0.0058	0.0060		0.0076	0.0084	0.0110	0.0066	0.0069	0.0304
D	CO 58	CO 59	NI 59	NI 60	NI 61	CU 61	CU 62	ZN 64	ZN 65	AS 70
	-59.8380	-62.2327	-61.1599		-64.2200	-61.9840	-62.8130	-66.0003	-65.9170	-64.3220
	-20.0817	-11.5112	-11.9037	-5.1248		-6.1433	-15.0119	-3.1152	1.4870	-16.2206
	0.0065	0.0076	0.0068	0.0060		0.0092	0.0084	0.0076	0.0066	0.3000
T	CO 57	CO 58	NI 58	NI 59	NI 60	CU 60	CU 61	ZN 63	ZN 64	AS 69
	-59.3389	-59.8380	-60.2280	-61.1599		-58.3460	-61.9840	-62.2170	-66.0003	-63.2000
	-19.2265	-9.1841	-12.2750	-4.0334	-2.8008		-12.7573	0.2695	0.9329	-12.3013
	0.0062	0.0067	0.0076	0.0058	0.0064		0.0076	0.0068	0.0067	0.0062
HE3	FE 57	FE 58	CO 58	CO 59	CC 60	NI 60	NI 61	CU 63	CU 64	GE 69
	-60.1755	-62.1465	-59.8380	-62.2327	-61.6513		-64.2200	-65.5831	-65.4276	-67.1007
	-6.2900	1.3515	-0.2676	6.0785	10.2872	9.1958		10.0060	13.5950	-0.3254
	0.0061	0.0062	0.0065	0.0076	0.0059	0.0060		0.0111	0.0068	1.0000
HE4	FE 56	FE 57	CO 57	CO 58	CO 59	NI 59	NI 60	CU 62	CU 63	GE 68
	-60.6054	-60.1755	-59.3389	-59.8380	-62.2327	-61.1599		-62.8130	-65.5831	-66.5700
	-25.8234	-16.5247	-20.7659	-12.9020	-7.7800	-11.0336	-19.4161	-9.6345	-5.1776	-21.3289
	0.0076	0.0070	0.0126	0.0101	0.0076	0.0171	0.0079	0.0101	0.0093	0.1501
HE6	FE 54	FE 55	CO 55	CO 56	CO 57	NI 57	NI 58	CU 60	CU 61	GE 66
	-56.2455	-57.4728	-54.0140	-56.0310	-59.3389	-56.1040	-60.2280	-58.3460	-61.9840	-60.7400
	-23.0071	-12.7829	-13.7973	-4.8178	-3.4337	-4.2889	-16.2964		0.5682	-14.8531
	0.0069	0.0058	0.0058	0.0062	0.0063	0.0066	0.0076		0.0077	0.0076
LI6	MN 54	MN 55	FE 55	FE 56	FE 57	CO 57	CO 58	NI 60	NI 61	GA 66
	-55.5520	-57.7048	-57.4728	-60.6054	-60.1755	-59.3389	-59.8380		-64.2200	-63.7060

46 PD 106

MASS EXCESS -89.9070 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.5323	5.7848	10.8359	13.7604	13.5733	2.8602	12.1654	14.3393	-2.24
		0.0074	0.0073	0.0100	0.0077	0.0100	0.0070	0.0109	0.0101	1.0000
GAMMA	PD 106	PD 107	AG 107	AG 108	AG 109	CD 109	CD 110	IN 112	IN 113	TE 118
		-88.3679	-88.4028	-87.6070	-88.7174	-88.5490	-90.3424	-87.9840	-89.3390	-87.6600
		-9.5474	-3.7464	3.5603	4.5785	6.2910	-7.0047	4.2700	4.9129	-12.9084
		0.0134	0.0108	0.0073	0.0100	0.0073	0.0100	0.2001	0.0109	0.0603
N	PD 105	PD 106	AG 106	AG 107	AG 108	CD 108	CD 109	IN 111	IN 112	TE 117
		-88.4310	-86.9430	-88.4028	-87.6070	-89.2481	-88.5490	-88.1600	-87.9840	-85.0700
		-9.3300	-2.7575	4.3078	7.2780	5.3424	-6.0538	6.1388	8.2859	-8.6240
		0.0134	0.0125	0.0074	0.0100	0.0100	0.0077	0.0071	0.0068	0.0306
P	RH 105	RH 106	PD 106	PD 107	PD 108	AG 108	AG 109	CD 111	CD 112	SB 117
		-87.8660	-86.3670	-88.3679	-89.5240	-87.6070	-88.7174	-89.2464	-90.5746	-88.5720
		-16.0979	-7.1055	-7.3229	0.2749	0.2912	-13.0112	1.3879	1.1108	-16.0729
		0.0085	0.0134	0.0134	0.0074	0.0073	0.0100	0.0070	0.0071	0.0504
D	RH 104	RH 105	PD 105	PD 106	PD 107	AG 107	AG 108	CD 110	CD 111	SB 116
		-86.9450	-87.8660	-88.4310	-88.3679	-88.4028	-87.6070	-90.3424	-89.2464	-86.9700
		-16.8425	-9.8405	-8.1570	-3.2900	-2.9826	-14.0294	-2.2195	0.3928	-17.8559
		0.0075	0.0085	0.0125	0.0134	0.0108	0.0073	0.0101	0.0070	0.0218
T	RH 103	RH 104	PD 104	PD 105	PD 106	AG 106	AG 107	CD 109	CD 110	SB 115
		-88.0144	-86.9450	-89.4110	-88.4310	-86.9430	-88.4028	-88.5490	-90.3424	-87.0010
		-17.5643	-8.6770	-10.6043	-3.8364	-3.5214	-14.0457	-2.0325	-2.4610	-14.8073
		0.0199	0.0077	0.0085	0.0134	0.0125	0.0074	0.0078	0.0093	0.0092
HE3	RU 103	RU 104	RH 104	RH 105	RH 106	PD 106	PD 107	AG 109	AG 110	SN 115
		-87.2740	-88.0899	-86.9450	-87.8660	-86.3670	-88.3679	-88.7174	-87.4700	-90.0310
		-3.2338	3.0137	2.9716	7.7492	10.4842	11.0306	9.3637	11.2930	-1.7667
		0.0075	0.0199	0.0075	0.0085	0.0134	0.0134	0.0101	0.0078	0.0100
HE4	RU 102	RU 103	RH 103	RH 104	RH 105	PD 105	PD 106	AG 108	AG 109	SN 114
		-89.0979	-87.2740	-88.0144	-86.9450	-87.8660	-88.4310	-87.6070	-88.7174	-90.5650
		-18.2865	-11.4806	-12.8232	-7.5953	-4.5408	-5.1139	-15.6694	-6.4738	-4.1951
		0.0087	0.0078	0.0194	0.0108	0.0085	0.0213	0.0132	0.0116	0.0084
HE6	RU 100	RU 101	RH 101	RH 102	RH 103	PD 103	PD 104	AG 106	AG 107	SN 112
		-89.2187	-87.9532	-87.3930	-86.7740	-88.0144	-87.4600	-89.4110	-86.9430	-88.4028
		-18.1454	-9.6000	-8.7532	-1.7616	-1.7714	-1.0497	-14.6256	-0.7202	-16.0114
		0.0603	0.0257	0.0068	0.0075	0.0200	0.0076	0.0086	0.0075	0.0109
LI6	TC 100	TC 101	RU 101	RU 102	RU 103	RH 103	RH 104	PD 106	PD 107	IN 112
		-85.8500	-86.3240	-87.9532	-89.0979	-87.2740	-88.0144	-86.9450	-88.3679	-87.9840

46 PD 108

MASS EXCESS -89.5240 +/- 0.0080 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING											
			6.1494 0.0094	6.4824 0.0093	11.0819 0.0106	13.6220 0.0136	14.6537 0.0088	3.4754 0.0086	13.1494 0.0114	14.9253 0.0114	-0.1240 0.0153
GAMMA	PD 108		PD 109 -87.6020	AG 109 -88.7174	AG 110 -87.4700	AG 111 -88.1960	CD 111 -89.2464	CD 112 -90.5746	IN 114 -88.5850	IN 115 -89.5420	TE 120 -89.4000
				-2.6994 0.0113	4.2579 0.0093	4.8245 0.0106	7.6783 0.0087	-5.9243 0.0088	5.8320 0.0114	5.8969 0.0114	-10.4064 0.0215
N	PD 107	PD 108		AG 108 -87.6070	AG 109 -88.7174	AG 110 -87.4700	CD 110 -90.3424	CD 111 -89.2464	IN 113 -89.3390	IN 114 -88.5850	TE 119 -87.1890
					3.9249 0.0094	6.4750 0.0153	5.5884 0.0106	-6.1922 0.0136	6.3167 0.0088	8.1121 0.0086	-7.3300 0.0215
P	RH 107	RH 108	PD 108	PD 109 -87.6020	PD 110 -88.3380	AG 110 -87.4700	AG 111 -88.1960	CD 113 -89.0413	CD 114 -90.0178	SB 119 -89.4830	
											-16.2929 0.0136
D	RH 106	RH 107	PD 107	PD 108	PD 109 -87.6020	AG 109 -88.7174	AG 110 -87.4700	CD 112 -90.5746	CD 113 -89.0413	SB 118 -87.9560	
											-16.6079 0.0144
T	RH 105	RH 106	PD 106	PD 107	PD 108	AG 108 -87.6070	AG 109 -88.7174	CD 111 -89.2464	CD 112 -90.5746	SB 117 -88.5720	
											-18.4603 0.0179
HE3	RU 105	RU 106	RH 106	RH 107	RH 108 -85.0000	PD 108	PD 109 -87.6020	AG 111 -88.1960	AG 112 -86.5680	SN 117 -90.3924	
											-3.8588 0.0093
HE4	RU 104	RU 105	RH 105	RH 106	RH 107 -86.8580	PD 107	PD 108	AG 110 -87.4700	AG 111 -88.1960	SN 116 -91.5227	
											-18.0243 0.0100
HE6	RU 102	RU 103	RH 103	RH 104	RH 105 -87.8660	PD 105	PD 106 -89.9070	AG 108 -87.6070	AG 109 -88.7174	SN 114 -90.5650	
											-19.0124 1.0000
LI6	TC 102	TC 103	RU 103	RU 104	RU 105 -85.9950	RH 105 -87.8660	RH 106 -86.3670	PD 108	PD 109 -87.6020	IN 114 -88.5850	

47 AG 109

MASS EXCESS -88.7174 +/- 0.0048 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.8240	8.9140	13.6649	16.8072	14.1979	3.0464	15.4020	17.7126	-2.7674
		0.0085	0.0059	0.0060	0.0057	0.0102	0.0093	0.0086	0.0066	0.0702
GAMMA	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121
		-87.4700	-90.3424	-89.2464	-90.5746	-87.9840	-89.3390	-90.0310	-91.5227	-85.9500
		-9.1818	-0.9508	6.6895	7.4075	6.3025	-6.3801	7.8646	8.1495	-12.7888
		0.0093	0.0093	0.0059	0.0060	0.2001	0.0102	0.0094	0.0086	1.0000
N	AG 108	AG 109	CD 109	CD 110	CD 111	IN 111	IN 112	SN 114	SN 115	I 120
		-87.6070	-88.5490	-90.3424	-89.2464	-88.1600	-87.9840	-90.5650	-90.0310	-84.0000
		-6.4824	-0.3329	4.5995	7.1396	8.1714	-3.0070	6.6670	8.4429	-6.6064
		0.0093	0.0069	0.0085	0.0120	0.0060	0.0057	0.0094	0.0094	0.0139
P	PD 108	PD 109	AG 109	AG 110	AG 111	CD 111	CD 112	IN 114	IN 115	TE 120
		-89.5240	-87.6020	-87.4700	-88.1960	-89.2464	-90.5746	-88.5850	-89.5420	-89.4000
		-13.4854	-4.2579	-6.9573	0.5666	3.4204	-10.1822	1.5741	1.6390	-14.6643
		0.0064	0.0093	0.0093	0.0085	0.0059	0.0060	0.0094	0.0094	0.0206
D	PD 107	PD 108	AG 108	AG 109	AG 110	CD 110	CD 111	IN 113	IN 114	TE 119
		-88.3679	-89.5240	-87.6070	-87.4700	-90.3424	-89.2464	-89.3390	-88.5850	-87.1890
		-13.7603	-7.2280	-7.9756	-2.9244	-0.1870	-10.9002	-1.5949	0.5790	-16.0073
		0.0077	0.0064	0.0064	0.0093	0.0093	0.0060	0.0103	0.0094	1.0000
T	PD 106	PD 107	AG 107	AG 108	AG 109	CD 109	CD 110	IN 112	IN 113	TE 118
		-89.9070	-88.3679	-88.4028	-87.6070	-88.5490	-90.3424	-87.9840	-89.3390	-87.6600
		-17.2817	-8.7193	-7.9918	-0.9888	-1.0968	-13.7540	1.0143	0.2999	-15.6927
		0.0120	0.0403	0.0064	0.0093	0.0069	0.0085	0.0058	0.0060	0.0085
HE3	RH 106	RH 107	PD 107	PD 108	PD 109	AG 109	AG 110	CD 112	CD 113	SB 118
		-86.3670	-86.8580	-88.3679	-89.5240	-87.6020	-87.4700	-90.5746	-89.0413	-87.9560
		-3.2761	3.2963	6.0538	10.3617	13.3318	11.3962	12.1927	14.3398	-2.5701
		0.0129	0.0120	0.0077	0.0065	0.0093	0.0093	0.0061	0.0058	0.0304
HE4	RH 105	RH 106	PD 106	PD 107	PD 108	AG 108	AG 109	CD 111	CD 112	SB 117
		-87.8660	-86.3670	-89.9070	-88.3679	-89.5240	-87.6070	-89.2464	-90.5746	-88.5720
		-18.3012	-11.2992	-9.6156	-4.7487	-1.4586	-4.4413	-15.4880	-3.6782	-19.3146
		0.0077	0.0087	0.0127	0.0135	0.0087	0.0110	0.0075	0.0102	0.0072
HE6	RH 103	RH 104	PD 104	PD 105	PD 106	AG 106	AG 107	CD 109	CD 110	SB 115
		-88.0144	-86.9450	-89.4110	-88.4310	-89.9070	-86.9430	-88.4028	-88.5490	-90.3424
		-15.5318	-6.6445	-8.5718	-1.8039	-1.4888	2.0325	-12.0131	-0.4285	-12.7748
		0.0196	0.0069	0.0078	0.0130	0.0121	0.0078	0.0065	0.0086	0.0086
LI6	RU 103	RU 104	RH 104	RH 105	RH 106	PD 106	PD 107	AG 109	AG 110	SN 115
		-87.2740	-88.0899	-86.9450	-87.8660	-86.3670	-89.9070	-88.3679	-87.4700	-90.0310

MASS EXCESS -87.1281 +/- 0.0039 MEV

48 CD 106

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		7.9293	3.6609	10.7378	14.3518				11.6252	
		0.0072	0.1501	0.0502	0.0136	MASS	MASS	MASS	0.0432	MASS
GAMMA	CD 106	CD 107	IN 107	IN 108	IN 109	SN 109	SN 110	SB 112	SB 113	XE 118
		-86.9860	-83.5000	-84.7300	-86.5300	UNKNOWN	UNKNOWN	UNKNOWN	-83.8460	UNKNOWN
		-10.8695	-7.2806	1.4364	4.4804					
		1.4100	0.3000	0.1501	0.0502	MASS	MASS	MASS	MASS	MASS
N	CD 105	CD 106	IN 106	IN 107	IN 108	SN 108	SN 109	SB 111	SB 112	XE 117
		-84.3300	-80.6300	-83.5000	-84.7300	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
		-7.2871	0.5974	5.7048	9.7810	5.2442	-5.4623	5.3113	9.1342	
		1.0000	0.0098	0.0072	0.0057	0.0502	0.0136	0.2000	0.0099	MASS
P	AG 105	AG 106	CD 106	CD 107	CD 108	IN 108	IN 109	SN 111	SN 112	I 117
		-87.1300	-86.9430	-86.9860	-89.2481	-84.7300	-86.5300	-85.6400	-88.6440	UNKNOWN
		-15.1230	-5.0626	-8.6450	1.6719	-1.8327	-13.1093		0.2833	
		0.0155	1.0000	1.4100	0.0072	0.1501	0.0502	MASS	0.2000	MASS
D	AG 104	AG 105	CD 105	CD 106	CD 107	IN 107	IN 108	SN 110	SN 111	I 116
		-85.1410	-87.1300	-84.3300	-86.9860	-83.5300	-84.7300	UNKNOWN	-85.6400	UNKNOWN
		-17.2080	-8.8656	-10.8491	-4.6121	-6.5167	-16.1533			
		0.1001	0.0155	1.0000	1.4100	0.3000	0.1501	MASS	MASS	MASS
T	AG 103	AG 104	CD 104	CD 105	CD 106	IN 106	IN 107	SN 109	SN 110	I 115
		-84.8700	-85.1410	-83.9400	-84.3300	-80.6300	-83.5000	UNKNOWN	UNKNOWN	UNKNOWN
		-14.5994	-4.5770	-9.6294	-1.7935	-0.1665	-12.6487	-1.4410	-0.7401	-19.5594
		0.0204	0.0117	0.0155	1.0000	0.0098	0.0072	0.0136	0.0402	0.7000
HE3	PD 103	PD 104	AG 104	AG 105	AG 106	CD 106	CD 107	IN 109	IN 110	TE 115
		-87.4600	-89.4110	-85.1410	-87.1300	-86.9430	-86.9860	-86.5300	-86.4120	-82.5000
		-1.6298	5.5786	2.6061	8.7241	12.5271	9.7085	9.2656	11.8844	
		0.0107	0.0204	0.1001	0.0155	1.0000	1.4100	0.0502	0.0136	MASS
HE4	PD 102	PD 103	AG 103	AG 104	AG 105	CD 105	CD 106	IN 108	IN 109	TE 114
		-87.9230	-87.4600	-84.8700	-85.1410	-87.1300	-84.3300	-84.7300	-86.5300	UNKNOWN
		-19.7463	-11.2509	-8.9704	-4.9064	-18.3616	-10.0079	-6.3190		
		1.0000	0.0237	MASS	1.0000	0.1002	MASS	0.3001	0.1501	MASS
HE6	PD 100	PD 101	AG 101	AG 102	AG 103	CD 103	CD 104	IN 106	IN 107	TE 112
		-84.9800	-85.4040	UNKNOWN	-82.6200	-84.8700	UNKNOWN	-83.9400	-80.6300	-83.5000
		-15.6375	-5.7521	-8.5235	-0.1576	1.1934	-1.4152	-13.6508	0.6768	
		0.0214	0.0185	0.0234	0.0108	0.0204	0.1001	0.0155	0.0073	MASS
LI6	RH 100	RH 101	PD 101	PD 102	PD 103	AG 103	AG 104	CD 106	CD 107	SB 112
		-85.5790	-87.3930	-85.4040	-87.9230	-87.4600	-84.8700	-85.1410	-86.9860	UNKNOWN

48 CD 108

MASS EXCESS -89.2481 +/- 0.0042 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING										
GAMMA	CD 108	7.3723	4.5709	10.2998	13.8618	11.3232	1.8207	9.1303	12.6602	
		0.0090	0.0137	0.0402	0.2000	0.2000	0.0099	0.2000	0.0214	MASS
		CD 109	IN 109	IN 110	IN 111	SN 111	SN 112	SB 114	SB 115	XE 120
		-88.5490	-86.5300	-86.4120	-88.1600	-85.6400	-88.6440	-84.2900	-87.0010	UNKNOWN
N		-10.3335	-5.3006	2.3464	4.0424		-9.2548	0.6149	1.8778	
		0.0073	0.0502	0.0137	0.0402	MASS	0.2000	0.0432	0.2000	MASS
	CD 107	CD 108	IN 108	IN 109	IN 110	SN 110	SN 111	SB 113	SB 114	XE 119
		-86.9860	-84.7300	-86.5300	-86.4120	UNKNOWN	-85.6400	-83.8460	-84.2900	UNKNOWN
P		-8.1343	-0.8586		5.1478	8.7553	4.8062	-5.9523	5.8673	8.9352
		0.0059	0.0090		0.0090	0.0055	0.0402	0.2000	0.0175	0.0091
	AG 107	AG 108	CD 108	CD 109	CD 110	IN 110	IN 111	SN 113	SN 114	MASS
		-88.4028	-87.6070	-88.5490	-90.3424	-86.4120	-88.1600	-88.3160	-90.5650	UNKNOWN
D		-15.4410	-5.9098	-8.1090		1.1149	-0.9227	-13.5473	0.3484	0.8393
		0.0099	0.0059	0.0073		0.0090	0.0137	0.0402	0.0100	0.0175
	AG 106	AG 107	CD 107	CD 108	CD 109	IN 109	IN 110	SN 112	SN 113	I 118
		-86.9430	-88.4028	-86.9860	-88.5490	-86.5300	-86.4120	-88.6440	-88.3160	-80.7000
T		-17.0680	-9.1836	-9.7810	-4.0761		-4.5367	-15.2433	-4.4696	-0.6467
		1.0000	0.0099	0.0057	0.0073		0.0502	0.0137	0.2000	0.0100
	AG 105	AG 106	CD 106	CD 107	CD 108	IN 108	IN 109	SN 111	SN 112	MASS
		-87.1300	-86.9430	-87.1281	-86.9860	-84.7300	-86.5300	-85.6400	-88.6440	UNKNOWN
HE3		-15.7484	-6.2010	-9.9474	-2.6407	-1.6225		-13.2057	-1.9310	-1.2881
		0.0127	0.0073	0.0099	0.0059	0.0090		0.0090	0.2000	0.0100
	PD 105	PD 106	AG 106	AG 107	AG 108	CD 108	CD 109	IN 111	IN 112	TE 117
		-88.4310	-89.9070	-86.9430	-88.4028	-87.6070	-88.5490	-88.1600	-87.9840	-85.0700
HE4		-2.2618	4.8296	2.7461	8.4061	11.6799	10.2445		8.8276	11.3945
		0.0118	0.0127	1.0000	0.0099	0.0060	0.0073		0.0402	0.2000
	PD 104	PD 105	AG 105	AG 106	AG 107	CD 107	CD 108	IN 110	IN 111	TE 116
		-89.4110	-88.4310	-87.1300	-86.9430	-88.4028	-86.9860	-86.4120	-88.1600	-85.4100
HE6		-18.9233	-11.3149	-14.6873	-8.5694	-4.7663	-7.5850	-17.2934	-8.0279	-5.4090
		0.0116	0.0208	0.1002	0.0161	1.0000	1.4100	0.0070	0.0503	0.0143
	PD 102	PD 103	AG 103	AG 104	AG 105	CD 105	CD 106	IN 108	IN 109	MASS
		-87.9230	-87.4600	-84.8700	-85.1410	-87.1300	-84.3300	-87.1281	-84.7300	-86.5300
LI6		-16.5625	-7.2507	-8.5875	-0.7896	0.0444	-1.2752	-13.9688		0.1198
		0.0091	0.0063	0.0205	0.0118	0.0128	1.0000	0.0100		0.0092
	RH 102	RH 103	PD 103	PD 104	PD 105	AG 105	AG 106	CD 108	CD 109	SB 114
		-86.7740	-88.0144	-87.4600	-89.4110	-88.4310	-87.1300	-86.9430	-88.5490	-84.2900

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48 CA 108

48 CD 110

MASS EXCESS -90.3424 +/- 0.0035 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
GAMMA	CD 110	6.9754 0.0050 CD 111 -89.2464	5.1066 0.2000 IN 111 -88.1600	10.7775 0.0097 IN 112 -87.9840	13.9466 0.0087 IN 113 -89.3390	12.9049 0.0174 SN 113 -88.3160	2.6474 0.0087 SN 114 -90.5650	10.7160 0.0501 SB 116 -86.9700	13.1369 0.0302 SB 117 -88.5720	MASS XE 122 UNKNOWN
N	CD 109	-9.8648 0.0087 CD 110	-4.7128 0.0402 IN 110	2.8821 0.2000 IN 111	4.5201 0.0097 IN 112	5.1615 0.0097 SN 112	-7.6731 0.0174 SN 113	2.6756 0.0213 SB 115	3.4635 0.0501 SB 116	-16.2538 0.1201 XE 121 -82.1600
P	AG 109	-8.9140 0.0059 AG 110	-2.0899 0.0078 CD 110	4.7509 0.0050 CD 111	7.8932 0.0046 CD 112	5.2840 0.0097 IN 112	-5.8676 0.0087 IN 113	6.4880 0.0079 SN 115	8.7986 0.0057 SN 116	-11.6814 0.0701 I 121 -85.9500
D	AG 108	-15.8713 0.0087 AG 109	-6.6895 0.0059 CD 109	-7.6403 0.0087 CD 110	0.7180 0.0050 CD 111	-0.3870 0.2000 IN 111	-13.0696 0.0097 IN 112	1.1751 0.0088 SN 114	1.4600 0.0079 SN 115	-19.4783 1.0000 I 120 -84.0000
T	AG 107	-16.8895 0.0055 AG 108	-9.6139 0.0087 CD 108	-8.7553 0.0055 CD 109	-3.6074 0.0087 CD 110	-3.9490 0.0402 IN 110	-14.7076 0.2000 IN 111	-2.8879 0.0174 SN 113	0.1800 0.0088 SN 114	MASS I 119 UNKNOWN
HE3	PD 107	-16.9058 0.0055 PD 108	-7.6783 0.0087 AG 108	-10.3777 0.0087 AG 109	-3.4204 0.0059 AG 110	-2.8538 0.0078 AG 110	-13.6026 0.0050 CD 110	-1.8463 0.0088 IN 113	-1.7814 0.0088 IN 114	-18.0847 0.0203 TE 119 -87.1890
HE4	PD 106	-2.8601 0.0070 PD 107	3.6722 0.0056 AG 107	2.9246 0.0055 AG 108	7.9758 0.0087 AG 109	10.9002 0.0060 AG 109	10.7132 0.0087 CD 109	9.3053 0.0097 CD 110	11.4792 0.0088 IN 112	-5.1071 1.0000 TE 118 -87.6600
HE6	PD 104	-18.5296 0.0122 PD 105	-11.4382 0.0131 AG 105	-13.5216 1.0000 AG 106	-7.8617 0.0105 AG 107	-4.5878 0.0068 AG 107	-6.0233 0.0080 CD 107	-16.2677 0.0068 CD 108	-7.4402 0.0404 IN 110	-4.8733 0.2001 IN 111 -88.1600
LI6	RH 104	-17.4858 0.0070 RH 105	-8.4934 0.0125 PD 105	-8.7108 0.0125 PD 106	-1.3879 0.0070 PD 107	-1.1129 0.0057 PD 107	-1.0967 0.0056 AG 107	-14.3990 0.0088 AG 108	-0.2771 0.0053 CD 110	-17.4608 0.0501 SB 116 -86.9700

48 CD 110

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48 CD 111

MASS EXCESS -89.2464 +/- 0.0036 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.3996	6.0266	13.2285	14.2886	16.2499	3.2094	13.4140	13.6169	-4.2364
		0.0047	0.0097	0.0088	0.0088	0.0088	0.0079	0.0302	0.0079	1.0100
GAMMA	CD 111	CD 112	IN 112	IN 113	IN 114	SN 114	SN 115	SB 117	SB 118	XE 123
		-90.5746	-87.9840	-89.3390	-88.5850	-90.5650	-90.0310	-88.5720	-87.9560	-85.0100
	-6.9754		-1.8688	3.8021	6.9711	5.9295	-4.3281	3.7406	6.1615	
	0.0050		0.2000	0.0097	0.0088	0.0174	0.0088	0.0501	0.0302	MASS
N	CD 110	CD 111	IN 111	IN 112	IN 113	SN 113	SN 114	SB 116	SB 117	XE 122
	-90.3424		-88.1600	-87.9840	-89.3390	-88.3160	-90.5650	-86.9700	-88.5720	UNKNOWN
	-9.0654	-0.2679		7.1751	7.4559	7.7350	-5.5256	9.0757	8.7643	-10.3844
	0.0079	0.0116		0.0047	0.0050	0.0088	0.0088	0.0058	0.0049	0.0402
P	AG 110	AG 111	CD 111	CD 112	CD 113	IN 113	IN 114	SN 116	SN 117	I 122
	-87.4700	-88.1960		-90.5746	-89.0413	-89.3390	-88.5850	-91.5227	-90.3924	-86.1510
	-13.6649	-6.8409	-4.7509		3.1422	0.5330	-10.6186	1.7371	4.0477	-16.4323
	0.0060	0.0079	0.0050		0.0047	0.0097	0.0088	0.0079	0.0058	0.0701
D	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121
	-88.7174	-87.4700	-90.3424		-90.5746	-87.9840	-89.3390	-90.0310	-91.5227	-85.9500
	-16.5893	-7.4075	-8.3584	-0.7180		-1.1050	-13.7876	0.4571	0.7420	-20.1963
	0.0088	0.0060	0.0088	0.0050		0.2000	0.0097	0.0088	0.0080	1.0000
T	AG 108	AG 109	CD 109	CD 110	CD 111	IN 111	IN 112	SN 114	SN 115	I 120
	-87.6070	-88.7174	-88.5490	-90.3424		-88.1600	-87.9840	-90.5650	-90.0310	-84.0000
	-14.6537	-8.5043	-8.1713	-3.5718	-1.0318		-11.1784	-1.5043	0.2716	-14.7777
	0.0088	0.0062	0.0060	0.0079	0.0116		0.0047	0.0088	0.0088	0.0135
HE3	PD 108	PD 109	AG 109	AG 110	AG 111	CD 111	CD 112	IN 114	IN 115	TE 120
	-89.5240	-87.6020	-88.7174	-87.4700	-88.1960		-90.5746	-88.5850	-89.5420	-89.4000
	-3.3032	5.9243	3.2248	10.1822	10.7488	13.6026		11.7563	11.8212	-4.4821
	0.0056	0.0088	0.0088	0.0060	0.0079	0.0050		0.0088	0.0088	0.0203
HE4	PD 107	PD 108	AG 108	AG 109	AG 110	CD 110	CD 111	IN 113	IN 114	TE 119
	-88.3679	-89.5240	-87.6070	-88.7174	-87.4700	-90.3424		-89.3390	-88.5850	-87.1890
	-18.4136	-8.8662	-12.6126	-5.3059	-4.2876	-2.6652	-15.8708	-4.5962	-3.9533	-21.7746
	0.0132	0.0081	0.0105	0.0068	0.0096	0.0068	0.0096	0.2001	0.0105	0.0602
HE6	PD 105	PD 106	AG 106	AG 107	AG 108	CD 108	CD 109	IN 111	IN 112	TE 117
	-88.4310	-89.9070	-86.9430	-88.4028	-87.6070	-89.2481	-88.5490	-88.1600	-87.9840	-85.0700
	-15.4688	-8.8964	-6.1388	-1.8310	1.1392	-0.7965	-12.1926		2.1471	-14.7628
	0.0126	0.0116	0.0071	0.0057	0.0088	0.0088	0.0061		0.0049	0.0302
LI6	RH 105	RH 106	PD 106	PD 107	PD 108	AG 108	AG 109	CD 111	CD 112	SB 117
	-87.8660	-86.3670	-89.9070	-88.3679	-89.5240	-87.6070	-88.7174		-90.5746	-88.5720

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48 CD 111

48 CD 112

MASS EXCESS -90.5746 +/- 0.0030 MEV

48 CD 112

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.5381	6.0534	11.1463	13.9173	14.3877	3.3729	11.4698	13.8157	-3.1246
		0.0045	0.0085	0.0085	0.0085	0.0076	0.0053	0.0077	0.0203	0.1400
GAMMA	CD 112	CD 113	IN 113	IN 114	IN 115	SN 115	SN 116	SB 118	SB 119	XE 124
		-89.0413	-89.3390	-88.5850	-89.5420	-90.0310	-91.5227	-87.9560	-89.4830	-87.4500
		-9.3996	-3.3730	3.8289	4.8889	6.8503	-6.1903	4.0144	4.2173	-13.6360
		0.0047	0.0095	0.0085	0.0085	0.0085	0.0076	0.0302	0.0077	1.0100
N	CD 111	CD 112	IN 112	IN 113	IN 114	SN 114	SN 115	SB 117	SB 118	XE 123
		-89.2464	-87.9840	-89.3390	-88.5850	-90.5650	-90.0310	-88.5720	-87.9560	-85.0100
		-9.6676	-3.2241	4.3136	7.1042	5.6528	-5.8968	6.6172	8.6957	-10.0536
		0.0114	0.0232	0.0045	0.0042	0.0085	0.0086	0.0045	0.0050	1.0000
P	AG 111	AG 112	CD 112	CD 113	CD 114	IN 114	IN 115	SN 117	SN 118	I 123
		-88.1960	-86.5680	-89.0413	-90.0178	-88.5850	-89.5420	-90.3924	-91.6520	-87.8100
		-16.2405	-7.4431	-7.1751	0.2807	0.5598	-12.7008	1.9006	1.5892	-17.5595
		0.0076	0.0114	0.0047	0.0045	0.0085	0.0086	0.0054	0.0045	0.0401
D	AG 110	AG 111	CD 111	CD 112	CD 113	IN 113	IN 114	SN 116	SN 117	I 122
		-87.4700	-88.1960	-89.2464	-89.0413	-89.3390	-88.5850	-91.5227	-90.3924	-86.1510
		-16.8071	-9.9831	-7.8932	-3.1422	-2.6092	-13.7608	-1.4051	0.9055	-19.5745
		0.0057	0.0076	0.0046	0.0047	0.0095	0.0086	0.0077	0.0054	0.0701
T	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121
		-88.7174	-87.4700	-90.3424	-89.2464	-87.9840	-89.3390	-90.0310	-91.5227	-85.9500
		-17.9039	-9.0965	-10.7469	-4.1740	-3.9880	-14.0399	-1.8755	-2.4036	-17.2009
		0.0058	0.0133	0.0076	0.0114	0.0232	0.0046	0.0086	0.0242	0.0451
HE3	PD 109	PD 110	AG 110	AG 111	AG 112	CD 112	CD 113	IN 115	IN 116	TE 121
		-87.6020	-88.3380	-87.4700	-88.1960	-86.5680	-89.0413	-89.5420	-88.1950	-88.3050
		-3.4753	2.6741	3.0070	7.6066	10.1466	11.1784	9.6741	11.4500	-3.5993
		0.0086	0.0058	0.0057	0.0076	0.0114	0.0047	0.0086	0.0086	0.0133
HE4	PD 108	PD 109	AG 109	AG 110	AG 111	CD 111	CD 112	IN 114	IN 115	TE 120
		-89.5240	-87.6020	-88.7174	-87.4700	-88.1960	-89.2464	-88.5850	-89.5420	-89.4000
		-18.2658	-11.7335	-12.4810	-7.4299	-4.5055	-4.6925	-15.4057	-6.1004	-20.5128
		0.0078	0.0066	0.0065	0.0094	0.0069	0.0094	0.0061	0.0104	1.0000
HE6	PD 106	PD 107	AG 107	AG 108	AG 109	CD 109	CD 110	IN 112	IN 113	TE 118
		-89.9070	-88.3679	-88.4028	-87.6070	-88.7174	-88.5490	-90.3424	-87.9840	-89.3390
		-18.2960	-9.7336	-9.0061	-2.0031	-2.1110	-1.0143	-14.7682	-0.7144	16.7070
		0.0115	0.0401	0.0054	0.0086	0.0059	0.0058	0.0077	0.0048	0.0077
LI6	RH 106	RH 107	PD 107	PD 108	PD 109	AG 109	AG 110	CD 112	CD 113	SB 118
		-86.3670	-86.8580	-88.3679	-89.5240	-87.6020	-88.7174	-87.4700	-89.0413	-87.9560

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49 IN 115

MASS EXCESS -89.5420 +/- 0.0080 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING										
		6.7244	9.2697	13.9863	17.0600	13.3453	2.3658	12.8514	15.6563	-3.2010
GAMMA	IN 115	0.0253	0.0091	0.0086	0.0089	0.0106	0.0215	0.0457	0.0101	0.0605
		IN 116	SN 116	SN 117	SN 118	SB 118	SB 119	TE 121	TE 122	CS 127
		-88.1950	-91.5227	-90.3924	-91.6520	-87.9560	-89.4830	-88.3050	-90.2910	-86.3410
		-9.0284	-0.2934	7.0452	7.7289	5.8899	-7.2327	5.8750	5.5989	-13.2634
		0.0113	0.0106	0.0091	0.0086	0.0310	0.0106	0.0153	0.0457	0.4001
N	IN 114	IN 115	SN 115	SN 116	SN 117	SB 117	SB 118	TE 120	TE 121	CS 126
		-88.5850	-90.0310	-91.5227	-90.3924	-88.5720	-87.9560	-89.4000	-88.3050	-84.3500
		-6.8132	-0.6705	4.4999	7.0440	8.4928	-2.7542	5.6724	7.6695	-7.6770
		0.0085	0.0120	0.0253	0.0128	0.0086	0.0089	0.0107	0.0085	0.0113
P	CD 114	CD 115	IN 115	IN 116	IN 117	SN 117	SN 118	SB 120	SB 121	XE 126
		-90.0178	-88.0890	-88.1950	-88.9250	-90.3924	-91.6520	-88.4150	-89.5932	-89.1540
		-13.6366	-4.5887	-6.8039	0.4670	3.7761	-9.8608	0.8935	0.6444	-15.6979
		0.0087	0.0085	0.0113	0.0253	0.0091	0.0086	0.0216	0.0107	1.0000
D	CD 113	CD 114	IN 114	IN 115	IN 116	SN 116	SN 117	SB 119	SB 120	XE 125
		-89.0413	-90.0178	-88.5850	-88.1950	-91.5227	-90.3924	-89.4830	-88.4150	-86.9800
		-13.9173	-7.3792	-7.8640	-2.7710	0.4704	-10.5445	-2.4475	-0.1016	-17.0419
		0.0085	0.0087	0.0113	0.0113	0.0106	0.0091	0.0107	0.0216	0.1402
T	CD 112	CD 113	IN 113	IN 114	IN 115	SN 115	SN 116	SB 118	SB 119	XE 124
		-90.5746	-89.0413	-85.3390	-88.5850	-90.0310	-91.5227	-87.9560	-89.4830	-87.4500
		-17.9053	-9.3609	-8.1430	-1.3196	-1.4344	-13.8536	1.2671	0.4956	-17.1433
		0.0244	0.0408	0.0087	0.0085	0.0120	0.0253	0.0089	0.0087	0.0310
HE3	AG 112	AG 113	CD 113	CD 114	CD 115	IN 115	IN 116	SN 118	SN 119	I 124
		-86.5680	-87.0410	-89.0413	-90.0178	-88.0890	-88.1950	-91.6520	-90.0616	-87.3300
		-3.7707	2.6727	5.8968	10.2105	13.0010	11.5496	12.5141	14.5926	-4.1567
		0.0136	0.0244	0.0086	0.0087	0.0085	0.0113	0.0087	0.0089	1.0000
HE4	AG 111	AG 112	CD 112	CD 113	CD 114	IN 114	IN 115	SN 117	SN 118	I 123
		-88.1960	-86.5680	-90.5746	-89.0413	-90.0178	-88.5850	-90.3924	-91.6520	-87.8100
		-18.4228	-11.5988	-9.5088	-4.7579	-1.6156	-4.2249	-15.3764	-3.0208	-0.7102
		0.0102	0.0114	0.0096	0.0096	0.0094	0.0127	0.0120	0.0114	0.0100
HE6	AG 109	AG 110	CD 110	CD 111	CD 112	IN 112	IN 113	SN 115	SN 116	I 121
		-88.7174	-87.4700	-90.3424	-89.2464	-90.5746	-87.9840	-89.3390	-90.0310	-91.5227
		-16.0284	-7.2210	-8.8714	-2.2985	-2.1124	1.8755	-12.1643	-0.5281	-15.3254
		0.0095	0.0153	0.0107	0.0136	0.0244	0.0086	0.0088	0.0253	0.0457
LI6	PD 109	PD 110	AG 110	AG 111	AG 112	CD 112	CD 113	IN 115	IN 116	TE 121
		-87.6020	-88.3380	-87.4700	-88.1960	-86.5680	-90.5746	-89.0413	-88.1950	-88.3050

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MASS EXCESS -88.6440 +/- 0.0090 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING											
GAMMA	SN 112	7.7434	2.4910	8.7819	13.3070	8.7873	-0.8092	6.1444			
		0.0192	0.0439	0.2002	0.0228	0.7001	0.1104	1.1000	MASS	MASS	
		SN 113	SB 113	SB 114	SB 115	TE 115	TE 116	I 118	I 119	BA 124	UNKNOWN
		-88.3160	-83.8460	-84.2900	-87.0010	-82.5000	-85.4100	-80.7000	UNKNOWN	UNKNOWN	
N	SN 111	-11.0754		0.2665	2.5245		-11.7907			-1.1081	
		0.2002		0.0439	0.2002	MASS	0.7001	MASS	1.1000	MASS	
		SN 112	MASS	0.0439	0.2002	MASS	0.7001	MASS	I 117	I 118	MASS
			UNKNOWN	-83.8460	-84.2900	UNKNOWN	-82.5000	UNKNOWN	-80.7000	UNKNOWN	UNKNOWN
P	IN 111	-7.7730	0.1225	5.5189	9.5820	3.2884	-6.5072	3.2254	6.6343		
		0.2002	0.0127	0.0192	0.0120	0.2002	0.0229	0.0607	1.0000	MASS	
		IN 112	SN 112	SN 113	SN 114	SB 114	SB 115	TE 117	TE 118	CS 123	UNKNOWN
		-88.1600	-87.9840	-88.3160	-90.5650	-84.2900	-87.0010	-85.0700	-87.6600	UNKNOWN	
D	IN 110	-15.3679	-5.5485	-8.8509	1.4860	-3.0026	-15.0652	-2.2815	-1.8026		
		0.0410	0.2002	0.2002	0.0192	0.0439	0.2002	0.1104	0.0607	MASS	
		IN 111	SN 111	SN 112	SN 113	SB 113	SB 114	TE 116	TE 117	CS 122	UNKNOWN
		-86.4120	-88.1600	-85.6400	-88.3160	-83.8460	-84.2900	-85.4100	-85.0700	UNKNOWN	
T	IN 109	-17.0639	-5.1105		-4.8180		-17.3232	-7.0055	-3.2766		
		0.0158	0.0410	MASS	0.2002		MASS	0.0439	0.7001	0.1104	MASS
		IN 110	SN 110	SN 111	SN 112	SB 112	SB 113	TE 115	TE 116	CS 121	UNKNOWN
		-86.5300	-86.4120	UNKNOWN	-85.6400	UNKNOWN	-83.8460	-82.5000	-85.4100	UNKNOWN	
HE3	CD 109	-15.0263	-5.1615	-9.8743	-2.2794	-0.6414		-12.8346	-2.4859	-1.6980	-21.4153
		0.0120	0.0097	0.0410	0.2002	0.0127		0.0192	0.0229	0.0508	0.1203
		CD 110	IN 110	IN 111	IN 112	SN 112	SN 113	SB 115	SB 116	XE 121	UNKNOWN
		-88.5490	-90.3424	-86.4120	-88.1600	-87.9840	-88.3160	-87.0010	-86.9700	-82.1600	
HE4	CD 108	-1.8206	5.5517	2.7502	8.4792	12.0412	9.5026		7.3097	10.8396	
		0.0099	0.0120	0.0158	0.0410	0.2002	0.2002		0.2002	0.0229	MASS
		CD 109	IN 109	IN 110	IN 111	SN 111	SN 112	SB 114	SB 115	XE 120	UNKNOWN
		-89.2481	-86.5490	-86.5300	-86.4120	-88.1600	-85.6400	-84.2900	-87.0010	UNKNOWN	
HE6	CD 106	-19.1141	-11.1848	-15.4532	-8.3763	-4.7622				-7.4889	
		0.0106	0.0115	0.1503	0.0510	0.0163	MASS	MASS	MASS	0.0441	MASS
		CD 107	IN 107	IN 108	IN 109	SN 109	SN 110	SB 112	SB 113	XE 118	UNKNOWN
		-87.1281	-86.9860	-83.5000	-84.7300	-86.5300	UNKNOWN	UNKNOWN	UNKNOWN	-83.8460	UNKNOWN
LI6	AG 106	-15.7894	-6.2582	-8.4574	-0.3484	0.7666	-1.2711	-13.8956		0.4909	-22.0324
		0.0128	0.0100	0.0109	0.0100	0.0121	0.0159	0.0410		0.0193	1.1000
		AG 107	CD 107	CD 108	CD 109	IN 109	IN 110	SN 112	SN 113	I 118	
		-86.9430	-88.4028	-86.9860	-89.2481	-88.5490	-86.5300	-86.4120	-88.3160	-80.7000	

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING											
			5.8854	5.9040	10.0649	11.9929	12.2223	0.1718	8.7704	9.6953	-8.8790
			0.0213	0.0213	0.0236	0.0220	0.0220	0.0220	0.0304	0.0278	0.0424
GAMMA	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	ER 164	
		-72.5600	-73.3610	-71.6750	-71.7890	-72.0370	-72.4930	-69.4280	-69.5340	-65.8670	
		-8.2234	-2.6395	3.6795	3.8075	5.7669	-8.3557	1.9800	1.5179	-17.6744	
		0.0244	0.0198	0.0213	0.0236	0.0228	0.0220	0.0244	0.0304	0.0252	
N	SM 151	SM 152	EU 152	EU 153	EU 154	GD 154	GD 155	TB 157	TB 158	ER 163	
		-74.5940	-72.8890	-73.3610	-71.6750	-73.6530	-72.0370	-70.7090	-69.4280	-65.1430	
		-8.6320	-2.7135	3.6609	5.3080	4.5714	-7.8212	2.8224	3.4993	-15.6820	
		0.0252	1.0001	0.0213	0.0198	0.0236	0.0220	0.0221	0.0221	0.0252	
P	PM 151	PM 152	SM 152	SM 153	SM 154	EU 154	EU 155	GD 157	GD 158	HO 163	
		-73.4030	-71.2500	-72.5600	-72.3930	-71.6750	-71.7890	-70.7690	-70.6270	-66.3530	
		-14.2519	-6.4075	-5.9989	-0.3720	0.4104	-13.7822	-1.3005	-2.2056	-21.8599	
		0.0616	0.0252	0.0244	0.0213	0.0213	0.0236	0.0221	0.0221	0.0377	
D	PM 150	PM 151	SM 151	SM 152	SM 153	EU 153	EU 154	GD 156	GD 157	HO 162	
		-73.6300	-73.4030	-74.5940	-72.5600	-73.3610	-71.6750	-72.4930	-70.7690	-66.0220	
		-13.6219	-7.9945	-5.3510	-1.9660	-1.8756	-13.9102	-3.5705	-2.2956	-22.4459	
		0.0198	0.0616	0.0191	0.0244	0.0198	0.0213	0.0221	0.0221	1.0001	
T	PM 149	PM 150	SM 150	SM 151	SM 152	EU 152	EU 153	GD 155	GD 156	HO 161	
		-76.0740	-73.6300	-77.0560	-74.5940	-72.8890	-73.3610	-72.0370	-72.4930	-67.2500	
		-15.2723	-7.9399	-8.7583	-3.1384	-3.4774	-14.6926	-3.7999	-4.7240	-21.6283	
		0.0220	0.0198	0.0616	0.0252	1.0001	0.0213	0.0221	0.0278	0.0228	
HE3	ND 149	ND 150	PM 150	PM 151	PM 152	SM 152	SM 153	EU 155	EU 156	DY 161	
		-74.4050	-73.6660	-73.6300	-73.4030	-71.2500	-72.5600	-71.7890	-70.0460	-68.0490	
		0.2643	5.3057	6.1922	9.5952	11.1822	12.3546	8.5927	9.5255	-7.4977	
		0.0198	0.0220	0.0198	0.0616	0.0252	0.0244	0.0236	0.0221	0.0236	
HE4	ND 148	ND 149	PM 149	PM 150	PM 151	SM 151	SM 152	EU 154	EU 155	DY 160	
		-77.4350	-74.4050	-76.0740	-73.6300	-73.4030	-74.5940	-71.6750	-71.7890	-69.6730	
		-11.3852	-6.0948	-5.9802	-2.2873	-1.3202	-0.2679	-12.8635	-5.3668	-4.0759	-21.9702
		0.0202	0.0224	0.0202	0.0281	0.0202	0.0202	0.0195	0.0202	0.0217	0.0316
HE6	ND 146	ND 147	PM 147	PM 148	PM 149	SM 149	SM 150	EU 152	EU 153	DY 158	
		-80.9590	-78.1780	-79.0750	-76.9210	-76.0740	-77.1450	-77.0560	-72.8890	-73.3610	-70.3740
		-12.0744	-5.2830	-3.3674	1.7365	0.5205	2.1709	-12.7796	-1.3671	-19.4064	
		0.2005	0.2005	0.0221	0.0198	0.0221	0.0198	0.0616	0.0213	0.0304	
LI6	PR 146	PR 147	ND 147	ND 148	ND 149	PM 149	PM 150	SM 152	SM 153	TB 158	
		-76.7600	-75.4800	-78.1780	-77.4350	-74.4050	-76.0740	-73.6300	-72.5600	-69.4280	

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING										
		5.8184	6.6850	10.7889	11.9760	13.3073	0.6588	9.5414	9.9793	-7.4750
		0.0220	0.0220	0.0278	0.0377	0.0220	0.0220	0.0236	0.0236	0.0304
GAMMA	SM 154	SM 155	EU 155	EU 156	EU 157	GD 157	GD 158	TB 160	TB 161	ER 166
		-70.1400	-71.7890	-70.0460	-69.4190	-70.7690	-70.6270	-67.8460	-67.4650	-64.9180
		-7.9044	-1.5004	4.4605	4.5315	6.9599	-7.2707	3.1580	2.2889	-16.0244
		0.0213	0.0236	0.0220	0.0278	0.0220	0.0220	0.0278	0.0236	0.0252
N	SM 153	SM 154	EU 154	EU 155	EU 156	GD 156	GD 157	TB 159	TB 160	ER 165
		-72.5600	-71.6750	-71.7890	-70.0460	-72.4930	-70.7690	-69.5340	-67.8460	-64.4400
		-8.9220		3.5939	4.5990	5.2954	-7.8382	2.9924	3.1163	-14.8710
		0.1010	MASS	0.0220	0.0313	0.0278	0.0377	0.0287	0.0236	0.0244
P	PM 153	PM 154	SM 154	SM 155	SM 156	EU 156	EU 157	GD 159	GD 160	HO 165
		-70.7600	UNKNOWN	-70.1400	-69.3310	-70.0460	-69.4190	-68.5860	-67.8910	-64.8110
		-14.2789	-6.6975	-5.6799	-0.4390	1.1914	-13.0582	-0.8135	-2.0356	-20.6889
		1.0001	0.1010	0.0213	0.0220	0.0220	0.0278	0.0221	0.0287	0.0405
D	PM 152	PM 153	SM 153	SM 154	SM 155	EU 155	EU 156	GD 158	GD 159	HO 164
		-71.2500	-70.7600	-72.5600	-70.1400	-71.7890	-70.0460	-70.6270	-68.5860	-64.8400
		-13.9399	-8.0215	-5.3080	-1.6470	-0.7366	-13.1292	-2.4855	-1.8086	-20.9899
		0.0252	1.0001	0.0198	0.0213	0.0236	0.0220	0.0221	0.0221	0.0252
T	PM 151	PM 152	SM 152	SM 153	SM 154	EU 154	EU 155	GD 157	GD 158	HO 163
		-73.4030	-71.2500	-74.7460	-72.5600	-71.6750	-71.7890	-70.7690	-70.6270	-66.3530
		-16.3243	-8.7853	-3.4284			-14.7596	-3.8169	-5.2870	-20.9613
		0.1010	MASS	1.0001	0.1010	MASS	0.0220	0.0377	0.2005	0.0228
HE3	ND 151	ND 152	PM 152	PM 153	PM 154	SM 154	SM 155	EU 157	EU 158	DY 163
		-71.0000	UNKNOWN	-71.2500	-70.7600	UNKNOWN	-70.1400	-69.4190	-67.1300	-66.3630
		-1.1517	4.2537	5.8742	9.5682	10.8922	12.6736	9.3167	9.5086	-6.6357
		0.0198	0.1010	0.0252	1.0001	0.1010	0.0213	0.0278	0.0377	0.0228
HE4	ND 150	ND 151	PM 151	PM 152	PM 153	SM 153	SM 154	EU 156	EU 157	DY 162
		-73.6660	-71.0000	-73.4030	-71.2500	-70.7600	-72.5600	-70.0460	-69.4190	-68.1820
		-12.5562	-7.5148	-6.6282	-3.2253	-1.6382	-0.4659	-12.8204	-4.2278	-3.2949
		0.0202	0.0224	0.0202	0.0617	0.0256	0.0247	0.0202	0.0240	0.0239
HE6	ND 148	ND 149	PM 149	PM 150	PM 151	SM 151	SM 152	EU 154	EU 155	DY 160
		-77.4350	-74.4050	-76.0740	-73.6300	-73.4030	-74.5940	-74.7460	-71.6750	-71.7890
		-13.5514	-4.7874	0.3205	-0.5314	1.8529	-12.8066		-1.4341	-18.6354
		0.4002	MASS	0.0221	0.0198	0.1010	0.0253	1.0001	0.0221	0.0236
LI6	PR 148	PR 149	ND 149	ND 150	ND 151	PM 151	PM 152	SM 154	SM 155	TB 160
		-72.9300	UNKNOWN	-74.4050	-73.6660	-71.0000	-73.4030	-71.2500	-70.1400	-67.8460

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MASS EXCESS -72.0370 +/- 0.0170 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		8.5274	5.3420	11.8079	12.3410	13.2683	-0.4582	9.3014	8.8923	-11.6170
		0.0240	1.0001	0.0262	0.0319	0.0328	0.0362	1.0001	0.0389	1.0001
GAMMA	GD 155	GD 156	TB 156	TB 157	TB 158	DY 158	DY 159	HO 161	HO 162	YB 167
		-72.4930	-70.0900	-70.7090	-69.4280	-70.3740	-69.1540	-67.2500	-66.0220	-60.4200
		-6.4554	-1.6794	3.1175	5.5505	4.4329	-7.3097	0.3500	2.0489	-18.4884
		0.0248	1.0001	1.0001	0.0262	1.0001	0.0328	0.0528	1.0001	0.1014
N	GD 154	GD 155	TB 155	TB 156	TB 157	DY 157	DY 158	HO 160	HO 161	YB 166
		-73.6530	-71.1400	-70.0900	-70.7090	-69.6100	-70.3740	-66.3700	-67.2500	-61.6200
		-7.6510	0.5345	6.3029	6.3930	6.3144	-7.4732	4.4354	3.6303	-17.4500
		0.0255	0.0240	0.0240	0.0240	0.0262	0.0319	0.0255	0.0248	0.0380
P	EU 154	EU 155	GD 155	GD 156	GD 157	TB 157	TB 158	DY 160	DY 161	TM 166
		-71.6750	-71.7890	-72.4930	-70.7690	-70.7090	-69.4280	-69.6730	-68.0490	-61.8760
		-11.8119	-5.4265	-4.2309	2.2700	-0.1516	-12.0392	-1.9305	-0.5926	-22.3029
		0.0233	0.0255	0.0248	0.0240	1.0001	0.0263	0.0363	0.0255	0.0389
D	EU 153	EU 154	GD 154	GD 155	GD 156	TB 156	TB 157	DY 159	DY 160	TM 165
		-73.3610	-71.6750	-73.6530	-72.4930	-70.0900	-70.7090	-69.1540	-69.6730	-62.8700
		-14.0979	-5.5545	-6.5800	-0.1980	-0.9156	-14.4722	-2.5245	-2.9256	-25.0819
		0.0220	0.0233	0.0240	0.0248	1.0001	1.0001	0.0328	0.0363	0.0481
T	EU 152	EU 153	GD 153	GD 154	GD 155	TB 155	TB 156	DY 158	DY 159	TM 164
		-72.8890	-73.3610	-73.1180	-73.6530	-71.1400	-70.0900	-70.3740	-69.1540	-61.9050
		-12.2223	-6.3369	-6.3183	-2.1574	-0.2294	-12.0506	-3.4519	-2.5270	-21.1013
		0.0220	0.0233	0.0233	0.0255	0.0240	0.0240	0.0319	0.0294	0.0435
HE3	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	ER 164
		-74.7460	-72.5600	-73.3610	-71.6750	-71.7890	-72.4930	-69.4280	-69.5340	-65.8670
		0.1323	8.3557	5.7162	12.0352	12.1632	14.1226	10.3357	9.8736	-9.3187
		0.0263	0.0220	0.0220	0.0233	0.0255	0.0248	0.0263	0.0319	0.0270
HE4	SM 151	SM 152	EU 152	EU 153	EU 154	GD 154	GD 155	TB 157	TB 158	ER 163
		-74.5940	-74.7460	-72.8890	-73.3610	-71.6750	-73.6530	-70.7090	-69.4280	-65.1430
		-12.4902	-4.5078	-7.5392	-1.8293	-1.7962	0.0061	-14.0924	-4.4068	-24.3852
		0.0224	0.0218	0.0281	0.0266	0.0224	0.0230	0.0244	1.0002	1.0002
HE6	SM 149	SM 150	EU 150	EU 151	EU 152	GD 152	GD 153	TB 155	TB 156	ER 161
		-77.1450	-77.0560	-74.8070	-74.6700	-72.8890	-74.7100	-73.1180	-71.1400	-70.0900
		-10.0514	-4.4240	-1.7804	1.6045	3.5706	1.6949	-10.3396	1.2749	-18.8754
		0.0221	0.0624	0.0214	0.0263	0.0221	0.0221	0.0234	0.0241	1.0001
LI6	PM 149	PM 150	SM 150	SM 151	SM 152	EU 152	EU 153	GD 155	GD 156	HO 161
		-76.0740	-73.6300	-77.0560	-74.5940	-74.7460	-72.8890	-73.3610	-72.4930	-67.2500

MASS EXCESS -72.4930 +/- 0.0170 MEV

64 GD 156

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING											
			6.3474	5.5050	10.0709	11.9910	11.5923	-0.3952	7.6174	8.7673	-11.1630
			0.0240	0.0262	0.0319	0.0294	0.0362	0.0255	0.0389	0.0270	0.1510
GAMMA	GD 156	GD 157	TB 157	TB 158	TB 159	DY 159	DY 160	HO 162	HO 163	YB 168	
		-70.7690	-70.7090	-69.4280	-69.5340	-69.1540	-69.6730	-66.0220	-66.3530	-61.3300	
		-8.5274		-3.1854	3.2805	3.8135	4.7409	-8.9857	0.7740	0.3649	-20.1444
		0.0240		1.0001	0.0262	0.0319	0.0328	0.0362	1.0001	0.0389	1.0001
N	GD 156	GD 156	TB 156	TB 157	TB 158	DY 158	DY 159	HO 161	HO 162	YB 167	
		-72.0370	-70.0900	-70.7090	-69.4280	-70.3740	-69.1540	-67.2500	-66.0220	-60.4200	
		-7.9930	-1.6645		4.1229	5.7950	4.5774	-7.8232	2.3554	3.3073	-17.6610
		0.0240	0.0294		0.0240	0.0240	0.0319	0.0294	0.0248	0.0248	0.0345
P	EU 155	EU 156	GD 156	GD 157	GD 158	TB 158	TB 159	DY 161	DY 162	TM 167	
		-71.7890	-70.0460	-70.7690	-70.6270	-69.4280	-69.5340	-68.0490	-68.1820	-62.1210	
		-13.9539	-5.7685	-6.3029		0.0900	0.0114	-13.7762	-1.8675	-2.6726	-23.7529
		0.0255	0.0240	0.0240		0.0240	0.0262	0.0319	0.0255	0.0248	0.0380
D	EU 154	EU 155	GD 155	GD 156	GD 157	TB 157	TB 158	DY 160	DY 161	TM 166	
		-71.6750	-71.7890	-72.0370	-70.7690	-70.7090	-69.4280	-69.6730	-68.0490	-61.8760	
		-14.0819	-7.6965	-6.5010	-2.2700		-2.4216	-14.3092	-4.2005	-2.8626	-24.5729
		0.0233	0.0255	0.0248	0.0240		1.0001	0.0263	0.0363	0.0255	0.0389
T	EU 153	EU 154	GD 154	GD 155	GD 156	TB 156	TB 157	DY 159	DY 160	TM 165	
		-73.3610	-71.6750	-73.6530	-72.0370	-70.0900	-70.7090	-69.1540	-69.6730	-62.8700	
		-14.8643	-6.9599	-8.4603	-2.4994	-2.4284		-14.2306	-3.8019	-4.6710	-22.9843
		0.0233	0.0220	0.0255	0.0240	0.0294		0.0240	0.0294	0.0255	0.0270
HE3	SM 153	SM 154	EU 154	EU 155	EU 156	GD 156	GD 157	TB 159	TB 160	ER 165	
		-72.5600	-72.3930	-71.6750	-71.7890	-70.0460	-70.7690	-69.5340	-67.8460	-64.4400	
		-0.1717	5.7137	5.7322	9.8932	11.8212	12.0506		8.5987	9.5236	-9.0507
		0.0220	0.0233	0.0233	0.0255	0.0240	0.0240		0.0319	0.0294	0.0435
HE4	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	ER 164	
		-74.7460	-72.5600	-73.3610	-71.6750	-71.7890	-72.0370	-69.4280	-69.5340	-65.8670	
		-13.0352	-7.4258	-8.1322	-4.0663	-1.7802	-2.0419	-14.0134	-5.9128	-4.4749	-23.7212
		0.0218	0.0266	0.0266	0.0224	0.0237	0.0244	0.0251	1.0002	0.0266	0.0917
HE6	SM 150	SM 151	EU 151	EU 152	EU 153	GD 153	GD 154	TB 156	TB 157	ER 162	
		-77.0560	-74.5940	-74.6700	-72.8890	-73.3610	-73.1180	-73.6530	-70.0900	-70.7090	-66.3700
		-12.9514	-5.1070	-4.6984	1.3005	0.9286	1.7109	-12.4816		-0.9051	-20.5594
		0.0624	0.0270	0.0263	0.0221	0.0234	0.0234	0.0255		0.0241	0.0389
LI6	PM 150	PM 151	SM 151	SM 152	SM 153	EU 153	EU 154	GD 156	GD 157	HO 162	
		-73.6300	-73.4030	-74.5940	-74.7460	-72.5600	-73.3610	-71.6750	-70.7690	-66.0220	

64 GD 157

MASS EXCESS -70.7690 +/- 0.0170 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	CI2
OUT GOING										
		7.9294	5.9480	11.9009	12.0269	13.8353	-0.2952	9.6724	8.9783	-10.7190
		0.0240	0.0319	0.0294	0.0255	0.0255	0.0248	0.0270	0.0416	1.0001
GAMMA	GD 157	GD 158	TB 158	TB 159	TB 160	DY 160	DY 161	HO 163	HO 164	YB 169
		-70.6270	-69.4280	-69.5340	-67.8460	-69.6730	-68.0490	-66.3530	-64.8400	-60.0500
		-6.3474	-0.8425	3.7235	5.6435	5.2449	-6.7427	1.2700	2.4199	-17.5104
		0.0240	0.0262	0.0319	0.0294	0.0362	0.0255	0.0389	0.0270	0.1510
N	GD 156	GD 157	TB 157	TB 158	TB 159	DY 159	DY 160	HO 162	HO 163	YB 168
		-72.4930	-70.7090	-69.4280	-69.5340	-69.1540	-69.6730	-66.0220	-66.3530	-61.3300
		-8.0120	-0.5675	5.7049	5.4780	6.4074	-7.7872	4.2124	3.2123	-16.7920
		0.0294	0.0389	0.0240	0.0302	0.0294	0.0255	0.0248	0.0248	0.0500
P	EU 156	EU 157	GD 157	GD 158	GD 159	TB 159	TB 160	DY 162	DY 163	TM 168
		-70.0460	-69.4190	-70.6270	-68.5860	-69.5340	-67.8460	-68.1820	-66.3630	-61.2660
		-12.1159	-5.7875	-4.1229	1.6720	0.4544	-11.9462	-1.7675	-0.8156	-21.7839
		0.0240	0.0294	0.0240	0.0240	0.0319	0.0294	0.0248	0.0248	0.0345
D	EU 155	EU 156	GD 156	GD 157	GD 158	TB 158	TB 159	DY 161	DY 162	TM 167
		-71.7890	-70.0460	-72.4930	-70.6270	-69.4280	-69.5340	-68.0490	-68.1820	-62.1210
		-14.0439	-5.8585	-6.3930	-0.0900	-0.0786	-13.8662	-1.9575	-2.7626	-23.8429
		0.0255	0.0240	0.0240	0.0240	0.0263	0.0319	0.0255	0.0248	0.0380
T	EU 154	EU 155	GD 155	GD 156	GD 157	TB 157	TB 158	DY 160	DY 161	TM 166
		-71.6750	-71.7890	-72.0370	-72.4930	-70.7090	-69.4280	-69.6730	-68.0490	-61.8760
		-13.3073	-7.4889	-6.6223	-2.5184	-1.3314	-12.6486	-3.7659	-3.3280	-20.7823
		0.0220	0.0240	0.0240	0.0294	0.0389	0.0240	0.0255	0.0255	0.0319
HE3	SM 154	SM 155	EU 155	EU 156	EU 157	GD 157	GD 158	TB 160	TB 161	ER 166
		-72.3930	-70.1400	-71.7890	-70.0460	-69.4190	-70.6270	-67.8460	-67.4650	-64.9180
		-0.6337	7.2707	5.7702	11.7312	11.8022	14.2306	10.4287	9.5595	-8.7537
		0.0233	0.0220	0.0255	0.0240	0.0294	0.0240	0.0294	0.0255	0.0270
HE4	SM 153	SM 154	EU 154	EU 155	EU 156	GD 156	GD 157	TB 159	TB 160	ER 165
		-72.5600	-72.3930	-71.6750	-71.7890	-70.0460	-72.4930	-69.5340	-67.8460	-64.4400
		-13.7732	-5.5498	-8.1892	-1.8703	-1.7422	0.2171	-13.9054	-3.5698	-4.0319
		0.0266	0.0224	0.0224	0.0237	0.0258	0.0251	0.0244	0.0266	0.0322
HE6	SM 151	SM 152	EU 152	EU 153	EU 154	GD 154	GD 155	TB 157	TB 158	ER 163
		-74.5940	-74.7460	-72.8890	-73.3610	-71.6750	-73.6530	-72.0370	-70.7090	-69.4280
		-11.4544	-5.5360	-2.8224	0.8385	2.4855	1.7489	-10.6437	0.6769	-18.5044
		0.0270	1.0001	0.0221	0.0234	0.0221	0.0255	0.0241	0.0241	0.0270
LI6	PM 151	PM 152	SM 152	SM 153	SM 154	EU 154	EU 155	GD 157	GD 158	HO 163
		-73.4030	-71.2500	-74.7460	-72.5600	-72.3930	-71.6750	-71.7890	-70.6270	-66.3530

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64 GD 157

64 GD 158

MASS EXCESS -70.6270 +/- 0.0170 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.0304	6.1960	10.3549	11.7880	12.3533	-0.0202	8.3014	9.0513	-10.0970
		0.0302	0.0294	0.0255	0.0255	0.0248	0.0248	0.0416	0.0263	0.0624
GAMMA	GD 158	GD 159	TB 159	TB 160	TB 161	DY 161	DY 162	HO 164	HO 165	YB 170
		-68.5860	-69.5340	-67.8460	-67.4650	-68.0490	-68.1820	-64.8400	-64.8110	-60.5300
		-7.9294	-1.9814	3.9715	4.0975	5.9059	-8.2247	1.7430	1.0489	-18.6484
		0.0240	0.0319	0.0294	0.0255	0.0255	0.0248	0.0270	0.0416	1.0001
N	GD 157	GD 158	TB 158	TB 159	TB 160	DY 160	DY 161	HO 163	HO 164	YB 169
		-70.7690	-69.4280	-69.5340	-67.8460	-69.6730	-68.0490	-66.3530	-64.8400	-60.0500
		-8.4970	-2.7145	3.8059	4.9250	4.8614	-8.0262	2.5354	2.9403	-16.6670
		0.0389	0.2007	0.0302	0.0255	0.0255	0.0255	0.0248	0.0248	0.0362
P	EU 157	EU 158	GD 158	GD 159	GD 160	TB 160	TB 161	DY 163	DY 164	TM 169
		-69.4190	-67.1300	-68.5860	-67.8910	-67.8460	-67.4650	-66.3630	-65.9490	-61.2490
		-13.7169	-6.2725	-5.7049	-0.2270	0.7024	-13.4922	-1.4925	-2.4926	-22.4969
		0.0294	0.0389	0.0240	0.0302	0.0294	0.0255	0.0248	0.0248	0.0500
D	EU 156	EU 157	GD 157	GD 158	GD 159	TB 159	TB 160	DY 162	DY 163	TM 168
		-70.0460	-69.4190	-70.7690	-68.5860	-69.5340	-67.8460	-68.1820	-66.3630	-61.2660
		-13.7879	-7.4595	-5.7950	-1.6720	-1.2176	-13.6182	-3.4395	-2.4876	-23.4559
		0.0240	0.0294	0.0240	0.0240	0.0319	0.0294	0.0248	0.0248	0.0345
T	EU 155	EU 156	GD 156	GD 157	GD 158	TB 158	TB 159	DY 161	DY 162	TM 167
		-71.7890	-70.0460	-72.4930	-70.7690	-69.4280	-69.5340	-68.0490	-68.1820	-62.1210
		-15.4183	-8.1559	-8.2233	-3.0034	-3.4784	-14.5476	-4.0049	-5.2710	-22.2733
		0.0240	0.0328	0.0294	0.0389	0.2007	0.0302	0.0255	1.0001	0.0319
HE3	SM 155	SM 156	EU 156	EU 157	EU 158	GD 158	GD 159	TB 161	TB 162	ER 167
		-70.1400	-69.3310	-70.0460	-69.4190	-67.1300	-68.5860	-67.4650	-65.3800	-63.2850
		-0.6587	5.1597	6.0262	10.1302	11.3172	12.6486	8.8827	9.3206	-8.1337
		0.0220	0.0240	0.0240	0.0294	0.0389	0.0240	0.0255	0.0255	0.0319
HE4	SM 154	SM 155	EU 155	EU 156	EU 157	GD 157	GD 158	TB 160	TB 161	ER 166
		-72.3930	-70.1400	-71.7890	-70.0460	-69.4190	-70.7690	-67.8460	-67.4650	-64.9180
		-13.4792	-7.5938	-7.5752	-3.4143	-1.4862	-1.2569	-13.3074	-4.7088	-3.7839
		0.0224	0.0237	0.0237	0.0258	0.0244	0.0244	0.0244	0.0322	0.0297
HE6	SM 152	SM 153	EU 153	EU 154	EU 155	GD 155	GD 156	TB 158	TB 159	ER 164
		-74.7460	-72.5600	-73.3610	-71.6750	-71.7890	-72.0370	-72.4930	-69.4280	-69.5340
		-13.4654	-5.8840	-4.8664	0.8135	0.3746	2.0049	-12.2446	-1.2221	-19.8754
		1.0001	0.1014	0.0234	0.0221	0.0241	0.0241	0.0294	0.0303	0.0416
LI6	PM 152	PM 153	SM 153	SM 154	SM 155	EU 155	EU 156	GD 158	GD 159	HO 164
		-71.2500	-70.7600	-72.5600	-72.3930	-70.1400	-71.7890	-70.0460	-68.5860	-64.8400

64 GD 158

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66 DY 156

MASS EXCESS -70.8600 +/- 0.1700 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING										
		6.8214		8.6059	11.4400			4.7084	6.9203	
GAMMA	DY 156	1.0143	MASS	0.1725	1.0143	MASS	MASS	0.2140	0.1740	MASS
		DY 157	HO 157	HO 158	HO 159	ER 159	ER 160	TM 162	TM 163	HF 168
		-69.6100	UNKNOWN	-66.3300	-67.3500	UNKNOWN	UNKNOWN	-61.4800	-62.8730	UNKNOWN
	-9.8914				2.3485			-3.1130	-2.5441	
	1.0143		MASS	MASS	0.1725	MASS	MASS	1.0242	0.2140	MASS
N	DY 155	DY 156	HO 156	HO 157	HO 158	ER 158	ER 159	TM 161	TM 162	HF 167
	-69.0400		UNKNOWN	UNKNOWN	-66.3300	UNKNOWN	UNKNOWN	-61.7300	-61.4800	UNKNOWN
	-7.0090	0.0125		4.5969	7.1750	3.1124	-8.3742	1.1894	3.1283	-20.7690
	1.0143	1.0143		1.0143	0.1723	0.1725	1.0143	1.0143	0.1924	1.0143
P	TB 155	TB 156	DY 156	DY 157	DY 158	HO 158	HO 159	ER 161	ER 162	LU 167
	-71.1400	-70.0900		-69.6100	-70.3740	-66.3300	-67.3500	-65.2500	-66.3700	-57.3800
	-13.7459	-4.7845	-7.6669		0.5640		-15.2412		-3.8386	
	1.0143	1.0143	1.0143		1.0143	MASS	0.1725	MASS	1.0143	MASS
D	TB 154	TB 155	DY 155	DY 156	DY 157	HO 157	HO 158	ER 160	ER 161	LU 166
	-70.2500	-71.1400	-69.0400		-69.6100	UNKNOWN	-66.3300	UNKNOWN	-65.2500	UNKNOWN
	-14.5399	-7.4885	-8.0610	-3.6340						
	1.0143	1.0143	0.1772	1.0143		MASS	MASS	MASS	MASS	MASS
T	TB 153	TB 154	DY 154	DY 155	DY 156	HO 156	HO 157	ER 159	ER 160	LU 165
	-71.2700	-70.2500	-70.4600	-69.0400		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
	-12.6733	-4.0669	-8.2523	-1.5154	-0.7514		-13.7566	-4.3529	-4.5140	-25.6513
	0.1708	0.1710	1.0143	1.0143	1.0143		1.0143	1.0143	0.1772	1.4202
HE3	GD 153	GD 154	TB 154	TB 155	TB 156	DY 156	DY 157	HO 159	HO 160	YB 165
	-73.1180	-73.6530	-70.2500	-71.1400	-70.0900		-69.6100	-67.3500	-66.3700	-60.1400
	1.4253	7.9047	5.2742	10.1012	12.8052	10.6866		7.1337	8.9726	
	0.1707	0.1708	1.0143	1.0143	1.0143	1.0143		0.1725	1.0143	MASS
HE4	GD 152	GD 153	TB 153	TB 154	TB 155	DY 155	DY 156	HO 158	HO 159	YB 164
	-74.7100	-73.1180	-71.2700	-70.2500	-71.1400	-69.0400		-66.3300	-67.3500	UNKNOWN
	-12.6402	-6.1168	-9.5892	-4.7923	-2.2382	-4.3569	-15.5734			
	0.1715	1.0144	0.3536	0.2268	1.0144	0.2268	0.1772	MASS	MASS	MASS
HE6	GD 150	GD 151	TB 151	TB 152	TB 153	DY 153	DY 154	HO 156	HO 157	YB 162
	-75.8180	-74.2700	-71.5800	-70.5300	-71.2700	-69.1700	-70.4600	UNKNOWN	UNKNOWN	UNKNOWN
	-10.1414	-2.2070	-3.3894	2.8975	3.1196	1.2529	-12.2736		-0.4311	-23.4684
	0.1714	0.1712	1.0143	0.1707	0.1709	1.0143	1.0143		1.0143	0.2140
LI6	EU 150	EU 151	GD 151	GD 152	GD 153	TB 153	TB 154	DY 156	DY 157	TM 162
	-74.8070	-74.6700	-74.2700	-74.7100	-73.1180	-71.2700	-70.2500		-69.6100	-61.4800

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66 DY 156

66 DY 158

MASS EXCESS -70.3740 +/- 0.0280 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING										
		6.8514	4.2650	9.1319	11.8260	9.8073	-1.5792	5.6194	7.4033	
		0.0425	1.0004	0.0573	1.0004	1.0004	0.0943	0.0530	0.0448	MASS
GAMMA	DY 158	DY 159	HO 159	HO 160	HO 161	ER 161	ER 162	TM 164	TM 165	HF 170
		-69.1540	-67.3500	-66.3700	-67.2500	-65.2500	-66.3700	-61.9050	-62.8700	UNKNOWN
		-8.8354	-4.8264	2.0405	2.8745		-10.7707	-1.4840	-1.6331	
		1.0004	0.0403	1.0004	0.0573	MASS	1.0004	0.0464	0.0530	MASS
N	DY 157	DY 158	HO 158	HO 159	HO 160	ER 160	ER 161	TM 163	TM 164	HF 169
		-69.6100	-66.3300	-67.3500	-66.3700	UNKNOWN	-65.2500	-62.8730	-61.9050	UNKNOWN
		-6.9540	-0.1635	4.6269	6.9600	3.6384	-7.9882	1.5684	3.1113	-19.8730
		0.0344	0.0389	0.0425	0.0338	0.0573	1.0004	0.0350	0.0488	1.0004
P	TB 157	TB 158	DY 158	DY 159	DY 160	HO 160	HO 161	ER 163	ER 164	LU 169
		-70.7090	-69.4280	-69.1540	-69.6730	-66.3700	-67.2500	-65.1430	-65.8670	-57.7900
		-13.4199	-4.7295	-6.6109	0.5940	-1.2286	-14.7152	-3.0515	-3.4596	-26.7799
		1.0004	0.0344	1.0004	0.0425	1.0004	0.0573	0.0943	0.0350	1.0104
D	TB 156	TB 157	DY 157	DY 158	DY 159	HO 159	HO 160	ER 162	ER 163	LU 168
		-70.0900	-70.7090	-69.6100	-69.1540	-67.3500	-66.3700	-66.3700	-65.1430	-56.7300
		-14.1839	-7.1625	-7.1750	-2.5780	-4.0626	-15.5492	-5.9855	-4.0466	-27.9439
		1.0004	1.0004	0.1723	1.0004	0.0403	1.0004	1.0004	0.0943	1.0004
T	TB 155	TB 156	DY 156	DY 157	DY 158	HO 158	HO 159	ER 161	ER 162	LU 167
		-71.1400	-70.0900	-70.8600	-69.6100	-66.3300	-67.3500	-65.2500	-66.3700	-57.3800
		-13.2683	-4.7409	-7.9263	-1.4604	-0.9274		-13.7266	-3.9669	-4.3760
		0.0328	0.0328	1.0004	0.0344	0.0389		0.0425	1.0004	0.0448
HE3	GD 155	GD 156	TB 156	TB 157	TB 158	DY 158	DY 159	HO 161	HO 162	YB 167
		-72.0370	-72.4930	-70.0900	-70.7090	-69.4280	-69.1540	-67.2500	-66.0220	-60.4200
		0.8543	7.3097	5.6302	10.4272	12.8602	11.7426	7.6597	9.3586	-11.1787
		0.0333	0.0328	1.0004	1.0004	0.0344	1.0004	0.0573	1.0004	0.1038
HE4	GD 154	GD 155	TB 155	TB 156	TB 157	DY 157	DY 158	HO 160	HO 161	YB 166
		-73.6530	-72.0370	-71.1400	-70.0900	-70.7090	-69.6100	-66.3700	-67.2500	-61.6200
		-13.2622	-6.7828	-9.4132	-4.5863	-1.8822	-4.0009	-14.6874	-7.5538	-5.7149
		0.0320	0.0330	1.0004	1.0004	1.0004	1.0004	0.1723	0.0405	1.0004
HE6	GD 152	GD 153	TB 153	TB 154	TB 155	DY 155	DY 156	HO 158	HO 159	YB 164
		-74.7100	-73.1180	-71.2700	-70.2500	-71.1400	-69.0400	-70.8600	-66.3300	-67.3500
		-11.5734	-3.0300	-4.0554	2.3265	2.5246	1.6089	-11.9476	-0.4011	-22.5574
		0.0313	0.0323	0.0328	0.0333	0.0328	1.0004	1.0004	0.0425	0.0530
LI6	EU 152	EU 153	GD 153	GD 154	GD 155	TB 155	TB 156	DY 158	DY 159	TM 164
		-72.8890	-73.3610	-73.1180	-73.6530	-72.0370	-71.1400	-70.0900	-69.1540	-61.9050

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		6.2264	5.0360	9.7609	11.1999	10.3643	-1.9692	4.7154	5.4453	-20.8460
		0.0092	0.0603	0.0238	0.0092	0.0134	0.0100	0.0267	0.0117	0.0134
GAMMA	HG 200	HG 201	TL 201	TL 202	TL 203	PB 203	PB 204	BI 206	BI 207	RN 212
		-27.6580	-27.2500	-26.1280	-25.7530	-24.9360	-25.1090	-20.1300	-20.0410	-8.6570
		-8.0274	-3.2364	2.8115	3.5035	3.4349	-10.2137	-2.4180	-2.5371	-28.8294
		0.0092	0.0092	0.0603	0.0238	0.0385	0.0134	0.0135	0.0267	0.0143
N	HG 199	HG 200	TL 200	TL 201	TL 202	PB 202	PB 203	BI 205	BI 206	RN 211
		-29.5470	-27.0490	-27.2500	-26.1280	-26.0780	-24.9360	-21.0680	-20.1300	-8.7450
		-7.7070	-1.4306	4.0019	5.5040	4.2673	-8.6142	1.0684	1.8983	-25.1560
		0.0092	0.0902	0.0092	0.0085	0.0238	0.0092	0.0109	0.0086	0.0117
P	AU 199	AU 200	HG 200	HG 201	HG 202	TL 202	TL 203	PB 205	PB 206	AT 211
		-29.0850	-27.2900	-27.6580	-27.3460	-26.1280	-25.7530	-23.7720	-23.7830	-11.6360
		-13.0449	-5.4825	-5.8029	-0.0310	-0.4576	-14.0862	-3.4415	-3.9596	-30.5639
		0.0085	0.0092	0.0092	0.0092	0.0603	0.0238	0.0101	0.0109	0.0267
C	AU 198	AU 199	HG 199	HG 200	HG 201	TL 201	TL 202	PB 204	PB 205	AT 210
		-29.5940	-29.0850	-29.5470	-27.6580	-27.2500	-26.1280	-25.1090	-23.7720	-12.0750
		-13.2870	-6.7875	-6.1980	-1.7700	-2.4726	-14.7782	-5.4285	-4.4367	-31.5680
		0.0108	0.0085	0.0085	0.0092	0.0092	0.0603	0.0135	0.0101	0.0143
T	AU 197	AU 198	HG 198	HG 199	HG 200	TL 200	TL 201	PB 203	PB 204	AT 209
		-31.1660	-29.5940	-30.9660	-29.5470	-27.0490	-27.2500	-24.9360	-25.1090	-12.8850
		-14.0193	-6.4579	-7.5513	-2.2134	-2.1944	-14.3516	-4.5929	-5.1830	-28.0643
		0.0134	0.0228	0.0085	0.0092	0.0902	0.0092	0.0093	0.0101	0.0125
HE3	PT 197	PT 198	AU 198	AU 199	AU 200	HG 200	HG 201	TL 203	TL 204	PO 209
		-30.4150	-29.9050	-29.5940	-29.0850	-27.2900	-27.6580	-25.7530	-24.3440	-16.3700
		0.7053	6.5587	6.5272	10.8022	12.1072	12.5506	8.2887	8.7326	-14.4557
		0.0152	0.0134	0.0108	0.0085	0.0092	0.0092	0.0238	0.0093	0.0125
HE4	PT 196	PT 197	AU 197	AU 198	AU 199	HG 199	HG 200	TL 202	TL 203	PO 208
		-32.6330	-30.4150	-31.1660	-29.5940	-29.0850	-29.5470	-26.1280	-25.7530	-17.4720
		-12.3802	-6.2538	-7.2642	-2.8113	-0.9852	-1.7669	-13.7104	-5.9638	-4.9439
		0.0222	0.0185	0.0185	0.0149	0.0115	0.0416	0.0094	0.0101	0.0397
HE6	PT 194	PT 195	AU 195	AU 196	AU 197	HG 197	HG 198	TL 200	TL 201	PO 206
		-34.7210	-32.7760	-32.5480	-31.1540	-31.1660	-30.4030	-30.9660	-27.0490	-27.2500
		-11.1194	-3.7400	-3.5264	2.1775	1.7736	2.5059	-11.5726	-1.0261	-23.4614
		0.0238	0.1002	0.0181	0.0153	0.0135	0.0109	0.0086	0.0093	0.0267
LI6	IR 194	IR 195	PT 195	PT 196	PT 197	AU 197	AU 198	HG 200	HG 201	BI 206
		-32.4720	-31.7800	-32.7760	-32.6330	-30.4150	-31.1660	-29.5940	-27.6580	-20.1300

80 HG 201

MASS EXCESS -27.6580 +/- 0.0070 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUT GOING										
		7.7594	5.7590	11.2309	11.6360	12.3823	-1.4612	6.4714	6.1303	-22.0050
GAMMA	HG 201	0.0092	0.0240	0.0099	0.0106	0.0106	0.0114	0.0123	0.0100	0.0240
		HG 202	TL 202	TL 203	TL 204	PB 204	PB 205	BI 207	BI 208	RN 213
		-27.3460	-26.1280	-25.7530	-24.3440	-25.1090	-23.7720	-20.0410	-18.8810	-5.6530
		-6.2264	-1.1904	3.5345	4.9735	4.1379	-8.1957	-1.5110	-0.7811	-27.0724
		0.0092	0.0604	0.0240	0.0099	0.0139	0.0106	0.0269	0.0123	0.0139
N	HG 200	HG 201	TL 201	TL 202	TL 203	PB 203	PB 204	BI 206	BI 207	RN 212
		-29.5030	-27.2500	-26.1280	-25.7530	-24.9360	-25.1090	-20.1300	-20.0410	-8.6570
		-7.6570	-0.7155	5.5349	5.2650	5.7373	-8.1782	2.9244	2.4053	-26.3060
		0.0903	0.1002	0.0092	0.0099	0.0099	0.0106	0.0093	0.0093	0.0221
P	AU 200	AU 201	HG 201	HG 202	HG 203	TL 203	TL 204	PB 206	PB 207	AT 212
		-27.2900	-26.1600	-27.3460	-25.2620	-25.7530	-24.3440	-23.7830	-22.4450	-8.6410
		-11.7089	-5.4325	-4.0019	1.5020	0.2654	-12.6162	-2.9335	-2.1036	-29.1579
		0.0099	0.0903	0.0092	0.0092	0.0240	0.0099	0.0115	0.0093	0.0122
D	AU 199	AU 200	HG 200	HG 201	HG 202	TL 202	TL 203	PB 205	PB 206	AT 211
		-29.0850	-27.2900	-29.5030	-27.3460	-26.1280	-25.7530	-23.7720	-23.7830	-11.6360
		-13.0139	-5.4515	-5.7720	0.0310	-0.4266	-14.0552	-3.4105	-3.9286	-30.5329
		0.0092	0.0099	0.0099	0.0092	0.0604	0.0240	0.0107	0.0115	0.0269
T	AU 198	AU 199	HG 199	HG 200	HG 201	TL 201	TL 202	PB 204	PB 205	AT 210
		-29.5940	-29.0850	-29.5470	-29.5030	-27.2500	-26.1280	-25.1090	-23.7720	-12.0750
		-12.6843	-7.1139	-6.2153	-2.1634	-1.4794	-12.8186	-4.1569	-3.8750	-26.6393
		0.0231	0.0279	0.0099	0.0903	0.1002	0.0092	0.0107	0.0107	0.0092
HE3	PT 198	PT 199	AU 199	AU 200	AU 201	HG 201	HG 202	TL 204	TL 205	PO 210
		-29.9050	-27.4040	-29.0850	-27.2900	-26.1600	-27.3460	-24.3440	-23.8070	-15.9500
		0.3323	7.8937	6.8002	12.1382	12.1572	14.3516	9.7587	9.1686	-13.7127
		0.0139	0.0231	0.0092	0.0099	0.0903	0.0092	0.0100	0.0107	0.0130
HE4	PT 197	PT 198	AU 198	AU 199	AU 200	HG 200	HG 201	TL 203	TL 204	PO 209
		-30.4150	-29.9050	-29.5940	-29.0850	-27.2900	-29.5030	-25.7530	-24.3440	-16.3700
		-12.4802	-4.5518	-6.8132	-0.9543	-0.7122	0.6411	-13.2845	-3.9178	-4.2209
		0.0188	0.0162	0.0153	0.0121	0.0101	0.0101	0.0107	0.0605	0.0244
HE6	PT 195	PT 196	AU 196	AU 197	AU 198	HG 198	HG 199	TL 201	TL 202	PO 207
		-32.7760	-32.6330	-31.1540	-31.1660	-29.5940	-30.9660	-29.5470	-27.2500	-26.1280
		-9.9664	-4.4420	-1.8244	1.8045	3.1086	2.7789	-10.2366	0.5069	-21.7054
		0.1003	0.0250	0.0157	0.0139	0.0231	0.0093	0.0100	0.0093	0.0123
LI6	IR 195	IR 196	PT 196	PT 197	PT 198	AU 198	AU 199	HG 201	HG 202	BI 207
		-31.7800	-29.2330	-32.6330	-30.4150	-29.9050	-29.5940	-29.0850	-27.3460	-20.0410

80 HG 201

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80 HG 202

MASS EXCESS -27.3460 +/- 0.0060 MEV

INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING										
		5.9874	5.6960	10.1339	11.4109	11.3573	-1.1382	5.6234	5.8243	-23.0360
		0.0092	0.0092	0.0100	0.0100	0.0108	0.0085	0.0093	0.0086	1.0000
GAMMA	HG 202	HG 203	TL 203	TL 204	TL 205	PB 205	PB 206	BI 208	BI 209	RN 214
		-25.2620	-25.7530	-24.3440	-23.8070	-23.7720	-23.7830	-18.8810	-18.2630	-4.3100
		-7.7594	-2.0004	3.4715	3.8765	4.6229	-9.2207	-1.2880	-1.6291	-29.7644
		0.0092	0.0238	0.0092	0.0100	0.0100	0.0108	0.0117	0.0093	0.0238
N	HG 201	HG 202	TL 202	TL 203	TL 204	PB 204	PB 205	BI 207	BI 208	RN 213
		-27.6580	-26.1280	-25.7530	-24.3440	-25.1090	-23.7720	-20.0410	-18.8810	-5.6530
		-8.4750	-2.4536	3.7629	5.0040	4.6404	-8.4032	1.8984	2.0223	-28.1750
		0.1002	1.0000	0.0092	0.0085	0.0100	0.0100	0.0086	0.0086	0.2001
P	AU 201	AU 202	HG 202	HG 203	HG 204	TL 204	TL 205	PB 207	PB 208	AT 213
		-26.1600	-24.1100	-25.2620	-24.6890	-24.3440	-23.8070	-22.4450	-21.7500	-6.4600
		-13.1919	-6.2505	-5.5349	-0.2700	0.2024	-13.7132	-2.6105	-3.1296	-31.8409
		0.0902	0.1002	0.0092	0.0092	0.0092	0.0100	0.0086	0.0086	0.0218
D	AU 200	AU 201	HG 201	HG 202	HG 203	TL 203	TL 204	PB 206	PB 207	AT 212
		-27.2900	-26.1600	-27.6580	-25.2620	-25.7530	-24.3440	-23.7830	-22.4450	-8.6410
		-13.2109	-6.9345	-5.5040	-1.5020	-1.2366	-14.1182	-4.4355	-3.6056	-30.6599
		0.0092	0.0902	0.0085	0.0092	0.0238	0.0092	0.0109	0.0086	0.0117
T	AU 199	AU 200	HG 200	HG 201	HG 202	TL 202	TL 203	PB 205	PB 206	AT 211
		-29.0850	-27.2900	-29.5030	-27.6580	-26.1280	-25.7530	-23.7720	-23.7830	-11.6360
		-14.8733	-7.5959	-7.6983	-2.9814	-3.2174	-14.5906	-4.3819	-5.1110	-29.8483
		0.0277	1.0000	0.0902	0.1002	1.0000	0.0092	0.0101	0.0093	0.0085
HE3	PT 199	PT 200	AU 200	AU 201	AU 202	HG 202	HG 203	TL 205	TL 206	PO 211
		-27.4040	-26.6100	-27.2900	-26.1600	-24.1100	-25.2620	-23.8070	-22.2590	-12.4290
		0.1343	5.7047	6.6032	10.6552	11.3392	12.8186	8.6617	8.9435	-13.8207
		0.0228	0.0277	0.0092	0.0902	0.1002	0.0092	0.0101	0.0101	0.0085
HE4	PT 198	PT 199	AU 199	AU 200	AU 201	HG 201	HG 202	TL 204	TL 205	PO 210
		-29.9050	-27.4040	-29.0850	-27.2900	-26.1600	-27.6580	-24.3440	-23.8070	-15.9500
		-12.3112	-6.4578	-6.4892	-2.2143	-0.9093	-0.4659	-13.0164	-4.7278	-4.2839
		0.0157	0.0140	0.0115	0.0094	0.0101	0.0101	0.0094	0.0241	0.0132
HE6	PT 196	PT 197	AU 197	AU 198	AU 199	HG 199	HG 200	TL 202	TL 203	PO 208
		-32.6330	-30.4150	-31.1660	-29.5940	-29.0850	-29.5470	-29.5030	-26.1280	-17.4720
		-12.2014	-4.9430	-3.7304	1.6065	0.9196	2.5819	-11.7196	-1.2651	-22.5534
		0.0248	0.2001	0.0135	0.0228	0.0277	0.0093	0.0902	0.0093	0.0093
LI6	IR 196	IR 197	PT 197	PT 198	PT 199	AU 199	AU 200	HG 202	HG 203	BI 208
		-29.2330	-28.4200	-30.4150	-29.9050	-27.4040	-29.0850	-27.2900	-25.2620	-18.8810

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MASS EXCESS -23.8070 +/- 0.0080 MEV

INCOMING		GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
OUTGOING			6.5234	7.2650	11.7739	12.8930	10.0053	-3.1192	2.7104	1.4713	-28.2370
			0.0106	0.0100	0.0100	0.0100	0.0106	0.0100	0.0101	0.0101	0.2801
GAMMA	TL 205	TL 206	PB 206	PB 207	PB 208	BI 208	BI 209	PO 211	PO 212	FR 217	
		-22.2590	-23.7830	-22.4450	-21.7500	-18.8810	-18.2630	-12.4290	-10.3710	4.4300	
		-7.5344		-0.8174	5.0405	5.5165	3.0939	-10.5727	-1.8400	-4.5421	-34.9584
		0.0113		0.0120	0.0100	0.0100	0.0128	0.0106	0.0101	0.0101	1.0000
N	TL 204	TL 205	PB 205	PB 206	PB 207	BI 207	BI 208	PO 210	PO 211	FR 216	
		-24.3440	-23.7720	-23.7830	-22.4450	-20.0410	-18.8810	-15.9500	-12.4290	3.0800	
		-6.4070	-0.8645		4.2989	4.8660	6.2803	-6.9212	-2.2176	-4.3517	-31.3500
		0.0100	0.1003		0.0106	0.0113	0.0100	0.0100	0.0101	0.0114	0.0144
P	HG 204	HG 205	TL 205	TL 206	TL 207	PB 207	PB 208	BI 210	BI 211	RN 216	
		-24.6890	-22.1600	-22.2590	-21.0120	-22.4450	-21.7500	-14.7900	-11.8370	0.2540	
		-11.6809	-4.1825	-5.3099		0.2660	1.7714	-12.0732	-4.5915	-7.2456	-35.7229
		0.0106	0.0100	0.0113		0.0106	0.0100	0.0100	0.0101	0.0101	0.1003
D	HG 203	HG 204	TL 204	TL 205	TL 206	PB 206	PB 207	BI 209	BI 210	RN 215	
		-25.2620	-24.6890	-24.3440	-22.2590	-23.7830	-22.4450	-18.2630	-14.7900	-1.2200	
		-11.4109	-5.4235	-5.7150	-1.2770		-0.0536	-12.5492	-5.7875	-5.5866	-34.4469
		0.0100	0.0106	0.0106	0.0113		0.0120	0.0100	0.0107	0.0101	1.0000
T	HG 202	HG 203	TL 203	TL 204	TL 205	PB 205	PB 206	BI 208	BI 209	RN 214	
		-27.3460	-25.2620	-25.7530	-24.3440	-23.7720	-23.7830	-18.8810	-18.2630	-4.3100	
		-14.6283	-7.5069	-6.1873	-0.9134	-1.6284		-14.0546	-2.8999	-6.2070	-35.3163
		1.0000	1.0000	0.0106	0.0100	0.1003		0.0106	0.0101	0.0121	0.0144
HE3	AU 202	AU 203	HG 203	HG 204	HG 205	TL 205	TL 206	PB 208	PB 209	AT 214	
		-24.1100	-23.1600	-25.2620	-24.6890	-22.1600	-22.2590	-21.7500	-17.6240	-3.4220	
		-0.0717	5.9497	8.4032	12.1662	13.4072	13.0436		10.3017	10.4256	-19.7717
		0.1003	1.0000	0.0100	0.0106	0.0100	0.0113		0.0101	0.0101	0.2002
HE4	AU 201	AU 202	HG 202	HG 203	HG 204	TL 204	TL 205	PB 207	PB 208	AT 213	
		-26.1600	-24.1100	-27.3460	-25.2620	-24.6890	-24.3440	-22.4450	-21.7500	-6.4600	
		-12.3202	-6.0438	-4.6132	-0.6113	0.8907	-0.3459	-13.2274	-3.5448	-2.7149	-29.7692
		0.0114	0.0904	0.0108	0.0114	0.0108	0.0247	0.0114	0.0127	0.0108	0.0134
HE6	AU 199	AU 200	HG 200	HG 201	HG 202	TL 202	TL 203	PB 205	PB 206	AT 211	
		-29.0850	-27.2900	-29.5030	-27.6580	-27.3460	-26.1280	-25.7530	-23.7720	-23.7830	-11.6360
		-10.4914	-3.2140	-3.3164	1.4005	1.1646	4.3819	-10.2086		-0.7291	-25.4664
		0.0282	1.0000	0.0904	0.1003	1.0000	0.0101	0.0107		0.0107	0.0101
LI6	PT 199	PT 200	AU 200	AU 201	AU 202	HG 202	HG 203	TL 205	TL 206	PO 211	
		-27.4040	-26.6100	-27.2900	-26.1600	-24.1100	-27.3460	-25.2620	-22.2590	-12.4290	

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
CUT GOING										
		6.7344	3.2480	8.1569	9.8819	6.9573	-5.2122	1.0544	1.4343	-28.3590
		0.0120	0.0144	0.0272	0.0128	0.0153	0.0136	0.0272	0.0129	0.0330
GAMMA	PB 204	PB 205	BI 205	BI 206	BI 207	PO 207	PO 208	AT 210	AT 211	RA 216
		-23.7720	-21.0680	-20.1300	-20.0410	-17.1350	-17.4720	-12.0750	-11.6360	3.2500
		-8.2444	-5.2214	1.0235	1.8995	0.0789	-13.6207	-6.2070	-6.1981	-35.7524
		0.0144	1.0000	0.0144	0.0272	0.0398	0.0153	0.0153	0.0272	0.0253
N	PB 203	PB 204	BI 204	BI 205	BI 206	PO 206	PO 207	AT 209	AT 210	RA 215
		-24.9360	-20.6700	-21.0680	-20.1300	-18.3280	-17.1350	-12.8850	-12.0750	2.5720
		-6.6450	0.0175	4.5099	6.3350	2.6634	-9.9322	-1.9396	-1.5407	-32.7730
		0.0106	0.0113	0.0120	0.0100	0.0272	0.0128	0.0136	0.0101	0.0330
P	TL 203	TL 204	PB 204	PB 205	PB 206	BI 206	BI 207	PO 209	PO 210	FR 215
		-25.7530	-24.3440	-23.7720	-23.7830	-20.1300	-20.0410	-16.3700	-15.9500	0.3750
		-12.1169	-4.4205	-6.0199	0.4770	-2.2456	-15.6902	-6.6845	-6.9676	-37.3149
		0.0244	0.0106	0.0144	0.0120	0.0144	0.0272	0.0136	0.0136	0.0340
D	TL 202	TL 203	PB 203	PB 204	PB 205	BI 205	BI 206	PO 208	PO 209	FR 214
		-26.1280	-25.7530	-24.9360	-23.7720	-21.0580	-20.1300	-17.4720	-16.3700	-0.9300
		-12.8089	-5.8595	-6.6920	-1.9870	-4.4576	-16.5662	-8.8355	-7.6797	-36.5049
		0.0605	0.0244	0.0388	0.0144	1.0000	0.0144	0.0153	0.0136	0.0179
T	TL 201	TL 202	PB 202	PB 203	PB 204	BI 204	BI 205	PO 207	PO 208	FR 213
		-27.2500	-26.1280	-26.0780	-24.9360	-20.6700	-21.0680	-17.1350	-17.4720	-3.5540
		-12.3823	-4.6229	-6.6233	-1.1514	-0.7464	-13.8436	-5.9109	-6.2520	-34.3873
		0.0106	0.0100	0.0244	0.0106	0.0113	0.0120	0.0129	0.0107	0.0244
HE3	HG 201	HG 202	TL 202	TL 203	TL 204	PB 204	PB 205	BI 207	BI 208	RN 213
		-27.6580	-27.3460	-26.1280	-25.7530	-24.3440	-23.7720	-20.0410	-18.8810	-5.6530
		1.9693	8.1957	7.0052	11.7302	13.1692	12.3336	6.6847	7.4145	-18.8767
		0.0100	0.0106	0.0605	0.0244	0.0106	0.0144	0.0272	0.0129	0.0144
HE4	HG 200	HG 201	TL 201	TL 202	TL 203	PB 203	PB 204	BI 206	BI 207	RN 212
		-29.5030	-27.6580	-27.2500	-26.1280	-25.7530	-24.9360	-20.1300	-20.0410	-8.6570
		-11.7412	-5.0888	-6.9682	-2.5223	-0.5073	-2.4959	-14.2044	-7.9488	-32.9642
		0.0108	0.0114	0.3001	0.0114	0.0607	1.0000	0.0390	1.0000	0.0400
HE6	HG 198	HG 199	TL 199	TL 200	TL 201	PB 201	PB 202	BI 204	BI 205	RN 210
		-30.9660	-29.5470	-28.4500	-27.0490	-27.2500	-25.2800	-26.0780	-20.6700	-21.0680
		-9.6034	-2.0410	-2.3614	3.4415	3.4106	2.9839	-10.6446	-0.5181	-27.1224
		0.0101	0.0107	0.0107	0.0101	0.0107	0.0605	0.0244	0.0121	0.0272
LI6	AU 198	AU 199	HG 199	HG 200	HG 201	TL 201	TL 202	PB 204	PB 205	AT 210
		-29.5940	-29.0850	-29.5470	-29.5030	-27.6580	-27.2500	-26.1280	-23.7720	-12.0750

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INCOMING	GAMMA	N	P	D	T	HE3	HE4	LI6	LI7	C12
CUT GOING										
		6.7334	3.5470	8.2339	9.4299	7.5183	-5.4082	-1.0536	-2.4157	-30.4630
		0.0085	0.0117	0.0092	0.0085	0.0125	0.0085	0.0219	0.2001	1.4100
GAMMA	PB 206	PB 207	BI 207	BI 208	BI 209	PO 209	PO 210	AT 212	AT 213	RA 218
		-22.4450	-20.0410	-18.8810	-18.2630	-16.3700	-15.9500	-8.6410	-6.4600	6.6800
		-8.0824	-4.4354	1.3225	1.9765	0.5489	-13.0597	-6.1300	-8.3061	-37.8024
		0.0108	0.0267	0.0117	0.0092	0.0125	0.0125	0.0117	0.0219	0.0385
N	PB 205	PB 206	BI 206	BI 207	BI 208	PO 208	PO 209	AT 211	AT 212	RA 217
		-23.7720	-20.1300	-20.0410	-18.8810	-17.4720	-16.3700	-11.6360	-8.6410	5.9480
		-7.2650	-0.7415	4.5089	5.6280	2.7404	-10.3842	-4.5546	-5.7937	-35.5020
		0.0100	0.0092	0.0085	0.0085	0.0092	0.0085	0.0086	0.0086	0.2801
P	TL 205	TL 206	PB 206	PB 207	PB 208	BI 208	BI 209	PO 211	PO 212	FR 217
		-23.8070	-22.2590	-22.4450	-21.7500	-18.8810	-18.2630	-12.4290	-10.3710	4.4300
		-12.5749	-5.0405	-5.8579	0.4760	-1.9466	-15.6132	-6.8805	-9.5826	-39.9989
		0.0100	0.0100	0.0108	0.0085	0.0117	0.0092	0.0086	0.0086	1.0000
D	TL 204	TL 205	PB 205	PB 206	PB 207	BI 207	BI 208	PO 210	PO 211	FR 216
		-24.3440	-23.8070	-23.7720	-22.4450	-20.0410	-18.8810	-15.9500	-12.4290	3.0800
		-12.9799	-6.3175	-6.3350	-1.8250	-3.6716	-16.2672	-8.2745	-7.8756	-39.1079
		0.0092	0.0100	0.0100	0.0108	0.0267	0.0117	0.0126	0.0086	0.0326
T	TL 203	TL 204	PB 204	PB 205	PB 206	BI 206	BI 207	PO 209	PO 210	FR 215
		-25.7530	-24.3440	-25.1090	-23.7720	-20.1300	-20.0410	-16.3700	-15.9500	0.3750
		-13.4523	-5.9539	-7.0813	-1.7714	-1.5054	-13.8446	-6.3629	-9.0170	-37.4943
		0.0092	0.0085	0.0100	0.0100	0.0092	0.0085	0.0086	0.0086	0.1002
HE3	HG 203	HG 204	TL 204	TL 205	TL 206	PB 206	PB 207	BI 209	BI 210	RN 215
		-25.2620	-24.6890	-24.3440	-23.8070	-22.2590	-22.4450	-18.2630	-14.7900	-1.2200
		1.1383	7.1257	6.8342	11.2722	12.5492	12.4956	6.7617	6.9626	-21.8977
		0.0085	0.0092	0.0092	0.0100	0.0100	0.0108	0.0093	0.0086	1.0000
HE4	HG 202	HG 203	TL 203	TL 204	TL 205	PB 205	PB 206	BI 208	BI 209	RN 214
		-27.3460	-25.2620	-25.7530	-24.3440	-23.8070	-23.7720	-18.8810	-18.2630	-4.3100
		-11.8782	-5.6518	-6.8422	-2.1173	-0.6783	-1.5139	-13.8475	-7.1628	-6.4329
		0.0094	0.0101	0.0604	0.0241	0.0101	0.0140	0.0108	0.0270	0.0124
HE6	HG 200	HG 201	TL 201	TL 202	TL 203	PB 203	PB 204	BI 206	BI 207	RN 212
		-29.5030	-27.6580	-27.2500	-26.1280	-25.7530	-24.9360	-25.1090	-20.1300	-20.0410
		-10.5814	-3.6400	-2.9244	2.6105	2.3406	2.8129	-11.1026	-0.5191	-29.2304
		0.0902	0.1002	0.0093	0.0086	0.0093	0.0093	0.0101	0.0086	0.0219
LI6	AU 200	AU 201	HG 201	HG 202	HG 203	TL 203	TL 204	PB 206	PB 207	AT 212
		-27.2900	-26.1600	-27.6580	-27.3460	-25.2620	-25.7530	-24.3440	-22.4450	-8.6410

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