Lawrence Berkeley National Laboratory

LBL Publications

Title

Temporary Supplement to UCRL-11200 Volume 1 Index of LRL Berkeley Mechanical Engineering Department Engineering Notes and Specifications

Permalink https://escholarship.org/uc/item/8fx4g1b6

Author

Lawrence Berkeley National Laboratory

Publication Date

1964-10-01

UCRL-11200 Vol. 1

University of California

Ernest O. Lawrence Radiation Laboratory

TEMPORARY SUPPLEMENT

то

UCRL-11200 VOLUME 1

INDEX OF LRL BERKELEY MECHANICAL ENGINEERING DEPARTMENT ENGINEERING NOTES AND SPECIFICATIONS

TWO-WEEK LOAN COPY

This is a Library Circulating Copy which may be borrowed for two weeks. For a personal retention copy, call Tech. Info. Division, Ext. 5545

Berkeley, California

DISCLAIMER

This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor the Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or the Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof or the Regents of the University of California.

UCRL-11200 Vol. 1

UNIVERSITY OF CALIFORNIA

Lawrence Radiation Laboratory Berkeley, California

AEC Contract No. W-7405-eng-48

TEMPORARY SUPPLEMENT

5

то

UCRL-11200 VOLUME 1

INDEX OF LRL BERKELEY MECHANICAL ENGINEERING DEPARTMENT ENGINEERING NOTES AND SPECIFICATIONS

October 15, 1964

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

ACCELERATING	(ADVANCED ACCELERATOR,) AGS LINAC INJECTOR, ACCELERATING WAVEGUIDE COSTS UCID2308	M3341
ACCELERATING	ACCELERATING WAVEGUIDE (FABRICATION) UCID2142	M3202
ACCELERATOR	(HEAVY ION ACCELERATOR) PROPOSED ACCELERATOR IMPROVEMENTS (FOR FY 1964)	M3167B
ACCELERATOR	(184 (INCH CYCLOTRON) PROPOSED ACCELERATOR IMPROVEMENTS (EOR FY 1964)	M3165B
ACCELERATOR	(184-INCH CYCLOTRON) PROPOSED ACCELERATOR IMPROVEMENTS, (FY 1966 PRELIMINARY)	M3314
ACCELERATOR	(184-INCH CYCLOTRON, FY 1965) PROPOSED ACCELERATOR IMPROVEMENTS (PRELIMINARY)	M3313
ACCELERATOR	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, BUDGET-SUBMISSION (FY 1966)	M3298
ACCELERATOR	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66.) UCID2226	M3311
ACCELERATOR	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, (PROPOSED REVISED) BUDGET: (FOR FY 65) UCID2227	M3312
ACCELERATOR	(88-INCH CYCLOTRON,) PROPOSED ACCELERATOR IMPROVEMENTS (FOR FY 1964) UCID2229	M3166C
ACCEPTANCE	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS	M3289A
ACCESSWAY	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11 AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT, AND 114 FT DIA.) STRUCTURES.	M3279
ACCIDENT	ACCIDENT WITH SWAGELOCK CAP	M3277
ACTUATORS	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES	M3020 -
ADHESIVE	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER COIL, HOSE-CONNECTION ADHESIVE TEST	M3083
ADJUSTMENT	(BEVATRON INJECTOR II, INFLECTOR) CALCULATIONS (INVOLVING THE) VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M 2 MAGNET	M3132
ADJUSTMENTS	BEVATRON, ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 Low-conductivity water system (and loads)	M3112
AGS	(ADVANCED ACCELERATOR,) AGS LINAC INJECTOR, ACCELERATING WAVEGUIDE COSTS UCID2308	M3341
AGS	(200-GEV) AGS MACHINE, PROGRAMS FOR DESIGNING MAGNETS (FOR MINIMUM) COST UCID2149	M3095
AGS	(200-GEV) AGS MAIN-RING VACUUM CHAMBER ESTIMATING OF MAXIMUM PRESSURE UCID2148	M3134

x 172

PAGE 2

.

6 1

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

AIR AIR AIR AIR	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIIII-T TRAVELING TARGET AIR LOCK OPERATION	M3138 ·
AIR	COOLING OF FERRITE IN RADIO-FREQUENCY CAVITIES BY FORCED AIR UCID2344	M3381
AIR	MEASURING-PROJECTOR, SPIRAL READER, FILM-TRANSPORT, AIR BEARING	M3405
AIR	NUGLEAR DEMAGNETIZATION CRYDSTAT, VIBRATION ISOLATION (AND APPLICATION OF) AIR MOUNTS UCID1988	M3147
ALIGNMENT	(ADVANCED ACCELERATOR, A POSSIBLE) MAGNET ALIGNMENT SYSTEM (AND ITS IMPLICATIONS UCID2018)	M3200
ALIGNMENT	(ADVANCED ACCELERATOR) SURVEY AND ALIGNMENT, (AN ECONOMICAL METHOD FOR) MONITORING MAGNET ALIGNMENT (DURING) OPERATION	M3237 -
ALIGNMENT	(ADVANCED ACCELERATOR) SURVEY AND ALIGNMENT, (AN ECONOMICAL METHOD FOR) MONITORING MAGNET ALIGNMENT (DURING) OPERATION	M3237 -
ALLOY		M3235 :
ALPHA-BEAM	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), 184 INCH CYCLOTRON ALPHA-BEAM STABILITY-STUDY	M3297
ALPHA-PARTICLE		M3157
ALTERATIONS	BEVATRON, ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER SYSTEM (AND LOADS)	M3112
ALUMINA	CONSULTATION-TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION	M3204
ALUMINUM	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS UCID2275	M3180 -
ALUMINUM	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES	M3252
ALUMINUM	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC.	M3276A
ALUMINUM		M3235
	.005 INCH THICK) TORISPHERICAL 5052 ALUMINUM ALLOY HEADS UCID2276	
AMERICAN	(BOSTON MEETING) AMERICAN VACUUM SOCIETY, (OCTOBER 1963)	M3174
AMERICAN	(CONFERENCE OF) AMERICAN SOCIETY FOR METALS, (LOS ANGELES, MARCH 16 TO 19, 1964)	M3288
AMERICAN	AMERICAN VACUUM SOCIETY (SYMPOSIUM AT BOSTON, AND VISITS TO) BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES	M3178

K 70

8

PAGE 3

S & Free X

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

AMERICAN	DESIGN ENGINEERING (CONFERENCE AND SHOW, CHICAGO, MAY 1964,) AMERICAN SOCIETY OF (MECHANICAL ENGINEERS.)	M3332
	UCID2267	
ANACONDA-AMERICAN-B	MAGNETS, COILS, CONDUCTORS, (TRIP TO) PHELPS-DODGE,	M3079
	REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND	
	GENERAL-ELECTRIC-COMPANIES	
ANALOG	A PROPOSAL (FOR FUTURE REPLACEMENT OF) ANALOG COMPUTER	M3271
ANALOG	PROPOSALS FOR AN ANALOG COMPUTER (INSTALLATION)	M3088
ANALOG	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY	M3236
	PERIODIC FUNCTIONS UCID2155	
ANALYSER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY	M3236
	PERIODIC FUNCTIONS UCID2155	1.5250
ANALYSIS	(BEVATRON) LINAC SUPPORT-STANDS, STRESS ANALYSIS	M3116
ANALYSIS	ANALYSIS (OF LONG RECTANGULAR) MEMBRANE VACUUM-JACKET	M3187
	WINDOWS	HO TO L
ANALYSIS	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS	M3289A
APERTURE	CENTER SECTION FOR 12-INCH APERTURE FOCUSING QUADRUPOLE	M3081
AFERIONE	TRIPLET MAGNET	MDQOL
APPRAISAL	APPRAISAL OF MAGNET WATER-COOLING HOSES	M3208
ARBITRARY	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY	M3236
ANDETRART	PERIODIC FUNCTIONS UCID2155	15250
AREA	(BEVATRON MAGNET CORE) DESIGN AND TEST OF 3-SECTOR	M3042
AREA	STANCHION, QUADRANT II, 89 DEGREE AREA	MOUTZ
AREA	WEST-OUTSIDE-RADIUS TANGENT AREA PLATFORM, REINFORCEMENT.	M3207
ANLA	(BEVATRON)	MSZUł
ARGONNE		N3373
ARGUINE	(TOUR OF) COMPUTER INSTALLATION ZGS SYNCHROTRON, ARGONNE	M3373
ARGONNE	NATIONAL LABORATORY	112170
ARGUINNE	AMERICAN VACUUM SOCIETY (SYMPOSIUM AT BOSTON, AND VISITS	M3178
4 0 0 0 MM C	TO) BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES	
ARGONNE ARMOR	LIQUID DEUTERIUM TARGET FOR ARGONNE UCID2352	M3402
AKMUK	(BEVATRON, REMAINDER OF) HEPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS	M3076
ARMS	BLOCK LIFTING FIXTURE ARMS, (ADAPTER AND 1 1/2 INCH	M3186
	DIAMETER PIN)	
ASME	ASME DESIGN ENGINEERING (CONFERENCE AND SHOW, MAY 1964)	M3333
ASSEMBLIES	(8 AND 12-INCH, TYPE QB) QUADRUPOLE MAGNETS, (FINAL)	M3061
AUDERED	ASSEMBLIES	HJUUI
ASSEMBLY	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T STRAIGHT TO	M3137
······································	CURVED ASSEMBLY PROCEDURE	1124
ASSEMBLY-BUILDING	(12QB AUXILIARY) MAGNETS, (SPECIAL) LIFTING-FRAME (FOR USE	M3220A
TO CETORE TO CELORING	IN) ASSEMBLY-BUILDING	AJELVA
	THE AJURDLE DUILDING	

ASSOCIATION	MICROFILMING (STATE OF THE ART) NATIONAL MICROFILM	M3184
	ASSOCIATION (MEETING, SAN FRANCISCO, APRIL 30 TO MAY	
	2,1963)	
AUTHORS	ENGINEERING-NOTE AUTHORS GUIDE	M3374A
AUTOMATIC	UNIVERSITY	M3361
AVS	MEASUREMENT OF SPEED OF AN OIL DIFFUSION PUMP SYSTEM (ACCORDING TO) AVS STANDARDS UCID2273	M3342
BACKSTOP	SHIELDING THROUGH WALL AT BACKSTOP, CALCULATIONS FOR REINFORCING-STEEL IN SUPPORT SLAB UCID2330	M3037
BAKING-STUDY	(ISOTOPE-SEPARATOR) BAKING-STUDY	M3007
BALANCE	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VIII) STATIC TEST	M3135
	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS	
BAR	SPREADER BAR (ASSEMBLY) STRESSES	M3040
BARB	WEATHERHEAD H-9 HOSE AND BARB (VARIATIONS TO ALLOW EASY)	M3280
	ASSEMBLY AND I LEAK-TIGHTNESS	• •
BARBS	(BEVATRON, PROPOSED) DESIGN FOR HOSE BARBS FOR 1/4 INCH I.D. WEATHERHEAD H-9 HOSE	M3293
BEAM	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT AND	M3360
	ENCLOSURE, TRANSIENT RESPONSE TO EARTHQUAKE (MOTION	
	OF (A CONTINUOUS) CONCRETE BEAM (93-FT. LONG ONE CELL)	• •
BEAM	(BEVATRON INJECTOR II) BEAM PATTERN, SOME PRELIMINARY	M3003
	CALCULATIONS	
BEAM	(BEVATRON INJECTOR II) BEAM SCANNING-SLITS, DRIVE-SHAFT	M3005
	VIBRATION	
BEAM	(BEVATRON INJECTOR II, INFLECTOR) CALCULATIONS (INVOLVING	M3132
	THE) VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT	
	I-M 2 MAGNET	
BEAM	(BEVATRON INJECTORII, INFLECTOR METHOD OF) RAISING OR	M3131
	LOWERING THE INJECTED PROTON BEAM (BETWEEN I-M 1 AND	
	I-M 2) MAGNETS	
BEAM	EXTERNAL BEAM MAGNETS, (FACTORS AFFECTING) ENERGY	M3363
D	RESOLUTION	10105
BEAM	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING	M3195
BEAM-EXIT	30-TON TRANSFER BEAM DESIGN UCID2215 (BEVATRON MAGNET) COIL-END WINDING-SUPPORTS, (OUTER RADIUS	M3317 M3089
JEAN-EALES	REVISION FOR) BEAM-EXIT, (EXIT QUADRANTS II AND III)	FOUCH
BEAM-EXIT	VACUUM-ENVELOPE, BEAM-EXIT EXTENSION-TANK	M3287
	HOUSE ENTEDICY DEAL EXTL EXTENSION TRAN	112601

े हैं।

્રેક્ર

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

€.,

Э.

BEAM-SIZES	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL BEAMS, BEAM-SIZES, (STRESSES, SPACING AND DEFLECTION, COMMERCIAL) WF-BEAMS	M3336
BEAM-TUBE	(M-4) MAGNET VACUUM BEAM-TUBE STUDY	M3016
BEAM-TUBE	CAVE BEAM-TUBE VACUUM, (PREDICTED) ROUGHING (TIME)	M3185
JERG FODE	UCID2225	115105
BEAMS	(ADVANCED ACCELERATOR) RING MAGNET SUPPORT BEAMS	M3229
	(PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND)	
	VIBRATION FREQUENCY (FOR 100 FT AND 200FT BEAMS)	
	UCID2138	
BEAMS	(ADVANCED ACCELERATOR) MAGNET RING SUPPORT BEAMS (220 FT	M3230
	LONG, A METHOD OF SUPPORTING THE BEAM AND ESTIMATES	113230
	OF DEFLECTIONS) UCID2139	
BEAMS	(ADVANCED ACCELERATOR) MAIN-RING MAGNET	M3242
	SUPPORTS, CROSS-SECTION PARAMETERS FOR BEAMS (8 FT TO	
	15 FT DEEP)	
BEAMS	(ADVANCED ACCELERATOR) MAGNET SUPPORT BEAMS AND	M3243
	FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV	
	INJECTION, C AND H MAGNET LAYDUTS UCID2089	
BEAMS	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS,	M3270 -
	(THE ADVANTAGE OF CENTERING BEAM IN) TUNNEL, (WITH	
	THREE EXAMPLES)	
BEAMS	(ADVANCED ACCELERATOR,) NATURAL FREQUENCIES FOR MAIN-RING	M3283
	MAGNET SUPPORT BEAMS (DESCRIBED IN NOTE M3243.)	
BEAMS	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS,	M3321
	(YEARLY DEFLECTION INCREASE DUE TO) CREEP AND	
	SHRINKAGE (FOR 1 AND 2 CELL BEAMS)	
BEAMS	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE	M3336
	FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL	
	BEAMS, BEAM-SIZES, (STRESSES, SPACING AND	
	DEFLECTION, COMMERCIAL) WF-BEAMS	
BEAMS	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED	M3194
	UNIFORM BEAMS	
BEARING	(BEVATRON) MG NO. 6 BEARING LUBRICATION INSTRUCTION	M3080
BEARING	(BEVATRON, EXTERNAL PROTON BEAM) BEARING EVALUATION TEST	M3082
BEARING	(25-INCH) BUBBLE-CHAMBER, (DETERMINATION OF FINAL) GASKET,	M3101
	BEARING PAD, (DIMENSIONS)	·
BEARING	MEASURING-PROJECTOR, SPIRAL READER, FILM-TRANSPORT, AIR	M3405
	BEARING	

E 💌

PAGE 6

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

BELL-JAR	(CUSTOM) VACUUM BELL-JAR	M3033
BELLOWS	(HILAC) HEATING OF POST-STRIPPER DRIFT-TUBE STEM BELLOWS	M3354
	(AND METHODS OF) COOLING.	
BENCH BENDING	OPTICAL BENCH RIGIDITY	M3152
	(AUXILIARY) BENDING MAGNET LEANDER	M341C
BENDING	BENDING MAGNET DESIGN CALCULATIONS UCID2228	M3316
BENDING	PULSED BENDING MAGNET	M367A
BEVATRON	BEVATRON, ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4	M3112
	LOW-CONDUCTIVITY WATER SYSTEM (AND LOADS)	
BEVATRON	CODE-NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES	M3046
BIMETALLIC	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS	M3391
BIOLOGICAL	(PORTABLE) BIOLOGICAL LABORATORY TRUCK CHASSIS	M349B
BIOLOGICAL	(PORTABLE) BIOLOGICAL LABORATORY VAN BODY	M350B
BLACKBERRY	(BEVATRON) SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD	M3077
BLOCK	(BEVATRON) BLOCK (CONCRETE SHIELDING-WEIGHT AND VOLUME	M3073
BLOCK	RECAPITULATION) BLOCK LIFTING FIXTURE ARMS, (ADAPTER AND 1 1/2 INCH DIAMETER PIN) CONCRETE BLOCK LIFTING FIXTURE STRESSES UCID2205 300 LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON) SHIELDING BLOCKS, REVISED NUMBERING	M3186
BLOCK	CONCRETE BLOCK LIFTING FIXTURE STRESSES UCID2205	M3041
BLOCK	300 LBS/CF CONCRETE SHIELDING BLOCK COSTS	M3032
BLOCKS	(184-INCH CYCLOTRON) SHIELDING BLOCKS, REVISED NUMBERING	M3325
	SYSTEM	
BLOCKS	(184-INCH CYCLOTRON) PHYSICS CAVE (SHIELDING,) FORCE	M3353A
	REQUIRED TO SLIDE MAGNET TURNTABLE AND SHIELDING BLOCKS	
BODY	(NEW) BUBBLE-CHAMBER BODY, STRESS CALCULATIONS UCID1902	M3054
BODY	(NEW) BUBBLE-CHAMBER BODY, COST (AND TIME) ESTIMATE	M3052
BODY	(PORTABLE) BIOLOGICAL LABORATORY VAN BODY	M350B
BODY	(25-INCH) BUBBLE-CHAMBER BODY AND WINDOWS, STRESS	M3232
	CALCULATIONS UCID2071	- •
BODY	(72-INCH) BUBBLE-CHAMBER, (NEW)BODY, (ADDITIONAL) STRESS	M3087
	CALCULATIONS UCID1936	ć
BOLTS	(AUXILIARY) MAGNET (M4,) DESIGN OF YOKE LAMINATION BOLTS UCID2333	M3103
BOLTS	(HEAVY ION ACCELERATOR) PROCEDURE FOR INSTALLING	M3100
	HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS	
BOOSTER	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, CERAMIC (MAIN)	M366
	VACUUM TANK (PRELIMINARY)	

£

7.

BODSTER	(ADVANCED ACCELERATOR STUDY) BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, (MAGNET AND) VACUUM-SYSTEM (COST=ESTIMATE,	M3258
DODÉTED	ZERO-ORDER.	
BOOSTER	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, (REQUIRED)	M3295
	VACUUM PUMP (PERFORMANCE FOR MAKING) MAGNETS	
BOOSTER	INTERNAL TO VACUUM TANKS, PRELIMINARY STUDY	40000
DUUSTER	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM,	M3322A
BOOSTER	VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM,	40001
	THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE	M3331
• • •	MECHANICAL TUNING SYSTEM	
BOOSTER	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM,	M3339
DODIER	A MECHANICAL TUNING SYSTEM FOR A CAVITY (TO BE TUNED	P12229
· · ·	FROM 50 MC TO 100 MC)	
BOOSTER	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON, BROOKHAVEN,	M3344
DODTER	CAMBRIDGE, GENERAL-ELECTRIC (TRIP REPORT, JUNE 1964)	M3344
BOOSTER	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON VACUUM SYSTEM,	M3345
50037ER	CERAMIC WALL VACUUM RINGS, (CONSTRUCTION AND	CHCCH
	DIMENSIONS, MODEL 2) UCID2277	
BOOSTER	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON (RF	M3348
BODSTER	SYSTEM,) COOLING OF FERRITE IN RF CAVITIES BY WATER	0+6 CH
BOOSTER	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON RF SYSTEM, A	M3365
	ROTARY CAPACITIVE TUNING (SYSTEM FOR A 50 MC TO 100	MJ JUJ
	MC) RADIO-FREQUENCY CAVITY	
BOOSTER	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MAGNET	M3390 -
00001ER	PARAMETER STUDY, JUNE 1964	MJJJQ *
BRAZING	HARD-SOLDERING, BRAZING, COPPER BUSES (ADJACENT) EPOXY	M3233
	RESIN	119699
BROOKHAVEN	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON, BROOKHAVEN,	M3344
	CAMBRIDGE, GENERAL-ELECTRIC (TRIP REPORT, JUNE 1964)	113311
BROOKHAVEN	AMERICAN VACUUM SOCIETY (SYMPOSIUM AT BOSTON, AND VISITS	M3178
	TO) BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES	
BROOKHAVEN-NATIONAL	STERED CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH	M3401
	BUBBLE-CHAMBER (REVISED) FILMSTRIP FORMAT UCID2351	
BRUTUS	BRUTUS STEERING MAGNET. COST (SUMMARY)	M3025
BUBBLE-CHAMBER	(NEW) BUBBLE-CHAMBER BODY, STRESS CALCULATIONS UCID1902	M3054
BUBBLE-CHAMBER	(NEW) BUBBLE-CHAMBER BODY, COST (AND TIME) ESTIMATE	M3052
BUBBLE-CHAMBER	(25-INCH HYDROGEN) BUBBLE-CHAMBER MAGNET, FIELD-MEASURING	M3224
	COIL POSITIONER, PRECISION OF SEARCH-COIL (LOCATION	·
	AND MOVEMENT) UCID2162	

ă \cdots

٠

BUBBLE-CHAMBER	(25-INCH HYDROGEN) BUBBLE-CHAMBER, MULTIPULSING TEST (DURING ENGINEERING RUN,) UCID2157	M3290
BUBBLE-CHAMBER	(25-INCH) BUBBLE-CHAMBER, (DETERMINATION OF FINAL) GASKET, BEARING PAD, (DIMENSIONS)	M3101
BUBBLE-CHAMBER	(25-INCH) BUBBLE-CHAMBER BODY AND WINDOWS, STRESS CALCULATIONS UCID2071	M3232 1
BUBBLE-CHAMBER	(72-INCH) BUBBLE-CHAMBER, (NEW)BODY, (ADDITIONAL) STRESS CALCULATIONS UCID1936	M3087
BUBBLE-CHAMBER	BUBBLE-CHAMBER VACUUM TANK STRESS CALCULATIONS UCID1905	M3060 -
BUBBLE-CHAMBER	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL	M3053
BUBBLE-CHAMBER	SAFETY-REQUIREMENTS FOR 25-INCH HYDROGEN AND 30-INCH PROPANE BUBBLE-CHAMBER (COMBINED) OPERATION (SPRING 1964) UCID2209	M3209
BUBBLE-CHAMBER	STERED CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER (REVISED) FILMSTRIP FORMAT UCID2351	M3401
BUBBLE-CHAMBER	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL	M3014
BUBBLE-CHAMBERS	DISPERSIVE-POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS UCID2340	M3335
BUDGET	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, (PROPOSED REVISED) BUDGET: (FOR FY 65) UCID2227	M3312
BUDGET	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66.) UCID2226	M3311
BUDGET-SUBMISSION	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, BUDGET-SUBMISSION (FY 1966)	M3298
BUILDING	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11 AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT,	M3279
	AND 114 FT DIA.) STRUCTURES.	
BUILDING-MODIFICATI	MACHINE-INSTALLATION, COST-ESTIMATE OF BUILDING-MODIFICATION	M3058
BUNCHER	(BEVATRON) INJECTOR II BUNCHER	M3074
BUNCHER	CW BUNCHER, COOLING CALCULATIONS	M3084
BUNDLE	(18 INCH X 36 INCH LP) MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION	M3198
BUDYANT	BUDYANT STEEL VESSELS (UNDER EXTERNAL PRESSURE) SPHERICAL AND CYLINDRICAL, DESIGN (CURVES AND FORMULAS)	M3011
BURST	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES	M3252
BURSTING	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL	M3276A

્રેષ્ટ

* <u>.</u> .

4 F

K

*.

¢

4 · ·

×

7.

BUSES	HARD-SOLDERING, BRAZING, COPPER BUSES (ADJACENT) EPOXY	M3233
BUTYL	(STANDARD SPECIFICATION FOR) BUTYL RUBBER TUBING FOR VACUUM (USE)	M1 8
CABLES	(BEVATRON INJECTOR II) MAGNETIC FORCES ON IM→3 POWER CABLES	M3010
CALHCOMP	FORTRAN PROGRAMING SUBROUTINE FOR PLOTTING LOGARITHMIC GRID-LINES FOR THE CAL-COMP PLOTTER	M3337
CALCULATING	(TECHNICAL MEETING 12-11-63) CALCULATING RELIABILITY FOR ENGINEERING DEVICES	M3273
CALCULATION	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, (APPROXIMATE) INDUCTANCE CALCULATION (FOR A MODIFIED) CONFORMAL H MAGNET	M3261
CALCULATIONS	(AUXILIARY MAGNETS TO EXTERNAL PROTON BEAM M→5) MAGNET DESIGN CALCULATIONS	M3177A
CALCULATIONS	(AUXILIARY) MAGNET (M-3V,) DESIGN CALCULATIONS	M3094
CALCULATIONS	(BASEMENT SLIDING) STEEL DOOR, DESIGN CALCULATIONS	M3330
CALCULATIONS	(BEVATRON INJECTOR II) BEAM PATTERN, SOME PRELIMINARY CALCULATIONS	M3003
CALCULATIONS	(BEVATRON INJECTOR II, INFLECTOR) CALCULATIONS (INVOLVING THE) VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M 2 MAGNET	M3132
CALCULATIONS	(BEVATRON, MAGNET POWER SUPPLY) MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS	M3362A
CALCULATIONS	(HEAVY ION ACCELERATOR, 18 PCT) DUTY-FACTOR (OPERATION) HEATING CALCULATIONS (AND MECHANICAL ENGINEERING) COST-ESTIMATE	M3065
CALCULATIONS	(M-6) MAGNET DESIGN CALCULATIONS UCID2336	M3176A
CALCULATIONS	(NEW) BUBBLE-CHAMBER BODY, STRESS CALCULATIONS UCID1902	M3054
CALCULATIONS	(25-INCH) BUBBLE-CHAMBER BODY AND WINDOWS, STRESS CALCULATIONS UCID2071	M3232
CALCULATIONS	(72-INCH) BUBBLE-CHAMBER, (NEW)BODY, (ADDITIONAL) STRESS CALCULATIONS / UCID1936	M3087
CALCULATIONS	(88-INCH CYCLOTRON) DEE COOLING AND STRUCTURAL CALCULATIONS UCID2222	M3296
CALCULATIONS	BENDING MAGNET DESIGN CALCULATIONS UCID2228	M3316
CALCULATIONS	BUBBLE-CHAMBER VACUUM TANK STRESS CALCULATIONS UCID1905	M3060
CALCULATIONS	CALCULATIONS FOR PERMANENT MAGNET (USED IN) DRIVE CAPSULE	M3392
CALCULATIONS	CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT, CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND	M3030 -
	REINFORCING-STEEL UCID2329	

e e)e

e

)

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

£.

×.,

CALCULATIONS	CW BUNCHER, COOLING CALCULATIONS	M3084
CALCULATIONS	EARTHQUAKE STABILITY CALCULATIONS FOR ELECTRICAL	M3328 -
-i _	SUBSTATION (EQUIPMENT)	
CALCULATIONS	FOIL ROLLING-MILL DESIGN CALCULATIONS	M3218
CALCULATIONS	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS	M3121
CALCULATIONS	MAGNET LIFTING FIXTURE CALCULATIONS	M3013
CALCULATIONS	SHIELDING THROUGH WALL AT BACKSTOP, CALCULATIONS FOR	M3037
·	REINFORCING-STEEL IN SUPPORT SLAB UCID2330	
CALIBRATION	CONTROLLED-TEMPERATURE WATER SYSTEM CALIBRATION (DATA)	M3006
CALIBRATION	HEATER CURRENT-SETTING FOR HASTINGS THERMOCOUPLE VACUUM	M3217
	GAUGE CALIBRATION	
CALIBRATION	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM	M3364
	GAUGE UCID2343	
CALIBRATION	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE	M3210
CAMBRIDGE	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON, BROOKHAVEN,	M3344
	CAMBRIDGE, GENERAL-ELECTRIC (TRIP REPORT, JUNE 1964)	
CAMERA	STERED CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH	M3401
	BUBBLE-CHAMBER (REVISED) FILMSTRIP FORMAT UCID2351	
CANYON	(BEVATRON) SHIELDING STEEL STORED ON BLACKBERRY CANYON	M3077
	ROAD	
CAP	ACCIDENT WITH SWAGELOCK CAP	M3277
CAPACITIVE	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON RF SYSTEM, A	M3365
	ROTARY CAPACITIVE TUNING (SYSTEM FOR A 50 MC TO 100 -	
	MC) RADIO-FREQUENCY CAVITY	
CAPSULE	CALCULATIONS FOR PERMANENT MAGNET (USED IN) DRIVE CAPSULE	M3392
CARBON	PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF	M3106
· · ·	INTERMEDIATE THICKNESS)	
CART	STABILITY OF A CART WITH CASTERS	M3008
CARTER	(1964) CARTER, PRINCETON (SEMINAR.) SOLVING TEMPERATURE	M3384
	PROBLEMS WITH THERMOELECTRICS UCID2346	
CASTERS	STABILITY OF A CART WITH CASTERS	M3008
CASTING	(70-KV) ISOLATION FIRING TRANSFORMER, (SELECTION OF)	M3196
· · ·	SELF-EXTINGUISHING EPOXY CASTING RESIN	
CATHODES	SPECTROMETER GLASS CATHODES	M351
CATHODES	VELOCITY SPECTROMETERS (MARK VI) GLASS CATHODES	M363
CAVE	(184-INCH CYCLOTRON) PHYSICS CAVE SHIELDING COST	M3031
	REASSESSMENT	
CAVE	(184-INCH CYCLOTRON) PHYSICS CAVE SHIELDING COST	M3142A
	REASSESSMENT	
CAVE	(184-INCH CYCLOTRON) PHYSICS CAVE (SHIELDING,) FORCE	M3353A
	REQUIRED TO SLIDE MAGNET TURNTABLE AND SHIELDING	
	BLOCKS	

CAVE	CAVE BEAM-TUBE VACUUM, (PREDICTED) ROUGHING (TIME) UCID2225	M3185
CAVE	PHYSICS CAVE SHIELDING COST (STEEL) UCID2187	M3223
CAVE	PHYSICS CAVE SHIELDING COST (STEEL) UCID2186	M3222
CAVITIES		M3348
	SYSTEM,)COOLING OF FERRITE IN RF CAVITIES BY WATER	
CAVITIES	COOLING OF FERRITE IN RADIO-FREQUENCY CAVITIES BY FORCED AIR UCID2344	M3381
CAVITY	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, A MECHANICAL TUNING SYSTEM FOR A CAVITY (TO BE TUNED FROM 50 MC TO 100 MC)	M3339
CAVITY	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON RESYSTEM, A ROTARY CARACITIVE TUNING (SYSTEM FOR A 50 MC TO 100 MC) RADIO-FREQUENCY CAVITY	M3365
CEMENTS	(COMPARISON OF SEVERAL) HEAT-TRANSFER CEMENTS	M3002
CENTER-OF-GRAVITY		M3030
	CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND REINFORCING-STEEL UCID2329	
CERAMIC	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, CERAMIC (MAIN)	M366
CERAMIC	VACUUM TANK (PRELIMINARY) (ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON VACUUM SYSTEM,	M3345
JERAHIC .	CERAMIC WALL VACUUM RINGS, (CONSTRUCTION AND DIMENSIONS, MODEL 2) UCID2277	US CFCCM
CERENKOV	(BEVATRON, LOFGREN EXPERIMENT, MARCH 1963) DPERATING	M3004
ouncillo v	INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER	115004
CERENKOV	(BEVATRON, MOYER EXPERIMENT, MAY 1963) OPERATING	M3055
	INSTRUCTIONS AND CHECK LIST 300 PSI SULFUR HEXAFLUORIDE CERENKOV COUNTER	
CERENKOV	SLAC-RESEARCH-GROUP (150 PSI) NITROGEN CERENKOV COUNTER, OPERATING INSTRUCTIONS	M3356
CERN	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, (MEETING WITH DR. E.) FISCHER FROM CERN	M3299
CHA-INDUSTRIES	PERFORMANCE TEST OF A CHA-INDUSTRIES 6-INCH (HIGH) VACUUM PUMPING (SYSTEM) UCID2345	M3389
CHAMBER	(ADVANCED ACCELERATOR,) MAIN VACUUM-SYSTEM, (COMPARATIVE STUDY OF) CHAMBER MATERIALS	M3227
CHAMBER	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, MATERIAL AND WALL-THICKNESS OPTIMIZATION (FOR SIMPLIFIED) VACUUM CHAMBER UCID2363	M3292A

4 + * + + + - 3

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.

÷.

CHAMBER	(200-GEV) AGS MAIN-RING VACUUM CHAMBER ESTIMATING OF	M3134
	MAXIMUM PRESSURE UCID2148	N3353
CHAMBER	A RECIRCULATOR AND PURIFIER FOR SPARK CHAMBER NEON GAS	M3352
CHAMBER	CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE	M3278
CHASSIS		M3498
CHECK-LIST		M3004
· · ·	INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER	
CHECK-LIST	(2000 P S I) METHANE COUNTER, OPERATION CHECK-LIST AND	M3151A
	PROCEDURE	
CHECKING	A DEVICE (FOR RAPID AND THOROUGH) CHECKING OF LEAD SCREWS. UCID2362	M3408 §
CHECKLIST	ENGINEERING DOCUMENTATION SYSTEM (CONSIDERATIONS AND) CHECKLIST	M3163
CHECKLIST	LINAC DEMINERALIZED WATER COOLING SYSTEM MAINTENANCE CHECKLIST	M3108A
CHILLER	(RESULTS OF) FIELD-FREE LABORATORY CHILLER MODIFICATION	M3203
CIRCUITS	FLOW SWITCH (REPLACEMENT ON 102) LINAC DRIFT-TUBE COOLING CIRCUITS	M3351
CIRCULAR	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11 AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE	M3279
	SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT, AND 114 FT DIA.) STRUCTURES.	
CLAMPS	(HEAVY ION ACCELERATOR) PROCEDURE FOR INSTALLING	M3100
	HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS	
CLEANING	COATED OPTICS, HANDLING AND CLEANING OF	M3149
CLEANING	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND	M3368
	POLISHING PROCEDURE FOR PARTS.	
CLEANING-STUDY		M3015
CLIPPER	(BEVATRON, EAST-INSIDE-SOUTH) HYDRAULIC CLIPPER PLUNGER	M3036
COATED	COATED OPTICS, HANDLING AND CLEANING OF	M3149
CODE-NUMBERS	CODE-NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES	M3046
COIL	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, TOLERANCE ON	M3211
	COIL LOCATION UCID2141	
COIL	(BEVATRON INJECTOR II, THE ALTERNATIVES SHOULD) INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE	M3118A
COIL	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T LONG COIL WINDING : INSTRUCTIONS	M3123A
COIL	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T SHORT COIL WINDING INSTRUCTIONS	M3136

...

X

У.,

•

COIL	(BEVATRON) LINAC DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST	M3091
COIL Coil Coil	(CONSTRUCTION AND) PERFORMANCE TESTS (OF 2-1/2 IN. ID, 36 KG) SUPERCONDUCTING COIL	M3388
COIL	(M-5 AUXILIARY) MAGNET COIL	M362A
COIL	(18 INCH X 36 INCH LP) MAGNET, CROSSOVER BUNDLE COIL	M3198
COIL	MOVEMENT VS. EXCITATION	MO 1 20
COIL	(25-INCH HYDROGEN) BUBBLE-CHAMBER MAGNET, FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL (LOCATION AND MOVEMENT) UCID2162	M3224
COIL	(8 AND 12-INCH TYPE) QB QUADRUPOLE MAGNET COIL	M348B
	(ASSEMBLIES)	
COIL	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER	M3083
	COIL, HOSE-CONNECTION ADHESIVE TEST	115005
COIL	MAGNET COIL IMPULSE TESTING	M3191
COIL-END	(BEVATRON MAGNET) COIL-END WINDING-SUPPORTS, (OUTER RADIUS	M3089
	REVISION FOR) BEAM-EXIT, (EXIT QUADRANTS II AND III)	83009
COIL+IN-GAP	FIELD UNIFORMITY IN COIL→IN-GAP (TYPE) MAGNETS UCID1881	M3026
COILS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR	M3155
	(LENGTHS FOR FLAT) COILS (WITH RECTANGULAR SECTION) UCID2146	
COILS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR	M3156
COILS		M2120
	(LENGTHS FOR) SADDLE COILS (WITH RECTANGULAR	
CO31 C -	SECTION) UCID2147	
COILS	(88-INCH CYCLOTRON) MAGNET TRIMMING COILS, COST ESTIMATE	M3399
	(FOR DEMONSTRATION OF) COMPUTER CONTROL (OF	
	ADJUSTMENTS)	
COILS	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS	M3306
	FOR) MAGNET COILS (CONSTRUCTED DF) WATER-COOLED	
	CONDUCTOR, PROGRESS REPORT UCID2185	
COILS	MAGNETS, COILS, CONDUCTORS, (TRIP TO) PHELPS-DODGE,	M3079
	REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND	
	GENERAL-ELECTRIC-COMPANIES	
COILS	PROPERTIES (OF SEVERAL) EPOXY (FORMULAS FOR) VACUUM	M3022
	POTTING OF MAGNET COILS	
COILS	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON	M347
	826/FURANE D40 FORMULATION)	
COILS	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON 826 *	M358
	FURANE D40 - FORMULATION)	
COILS	VACUUM IMPREGNATION OF MAGNET COILS WITH (LRL) EPOXY	M360A
	(FORMULATION NO. CT2E)	

PAGE 13

4 e *** * *

. .

* . .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

X

۴.,

۰.,

COLD	COLD DEEP-DRAWING OF PLASTIC FILMS, POLYESTER MYLAR AND POLYIMIDE H-FILM UCID2274	M3197
COLLET-TYPE	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VIII) STATIC TEST	M3135
COLLER THIL	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE	NO 100
	SHAFTS	
CONDOMENTS		
COMPONENTS	MOLECULAR-BEAM REACTION-CHAMBER, COST-ESTIMATE (OF	M3318
	MECHANICAL) COMPONENTS	
COMPONENTS	MOLECULAR-BEAM REACTION-CHAMBER, (REVISED) COST-ESTIMATE	M3404
	(OF MECHANICAL) COMPONENTS	
COMPUTER	(BEVATRON) MAGNET CORE SURVEY COMPUTER PROGRAM	M3286
COMPUTER	(CURRENT/LIST/OF) DIGITAL COMPUTER PROGRAMS UCID2278	M3347
COMPUTER	(TOUR OF) COMPUTER INSTALLATION ZGS SYNCHROTRON, ARGONNE	M3373
	NATIONAL LABORATORY	
COMPUTER	(88-INCH CYCLOTRON) MAGNET TRIMMING COILS, COST ESTIMATE	M3399
oom oten	(FOR DEMONSTRATION OF) COMPUTER CONTROL (OF	
	ADJUSTMENTS)	
CONDUTED	A PROPOSAL (FOR FUTURE REPLACEMENT OF) ANALOG COMPUTER	M3271
COMPUTER		
COMPUTER	PROPOSALS FOR AN ANALOG COMPUTER (INSTALLATION)	M3088
COMPUTER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY	M3236
	PERIODIC FUNCTIONS UCID2155	
CONCRETE	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING ENCLOSURE, PRECAST	M3244
<u>-</u> .	CURVED CONCRETE SHELL, (TOTAL) COST-ESTIMATE (FOR 2	
	AND 6 GEV INJECTION) C AND H MAGNETS	
CONCRETE	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT AND	M3360 -
	ENCLOSURE, TRANSIENT RESPONSE TO EARTHQUAKE (MOTION	
	OF A CONTINUOUS) CONCRETE BEAM (93-FT. LONG ONE	
	CELL)	
CONCRETE	CONCRETE BLOCK LIFTING FIXTURE STRESSES UCID2205	M3041
CONCRETE	CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT,	M3030
oononere	CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND	
· .	REINFORCING-STEEL UCID2329	
CONCRETE	MAGNETITE OR HEMATITE HIGH DENSITY (225 LBS/CF) CONCRETE	M1 5B
CUNCKETE	SHIELDING BLOCKS	rit JD
CONCRETE		N2022
CONCRETE	300 LBS/CF CONCRETE SHIELDING BLOCK COSTS	M3032
CONDENSER	(HEAVY ION ACCELERATOR, CW DRIVER,) TUBE AND GRID	M3141
	CONDENSER COOLING	
CONDENSER	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH	M3111
	MOST-FAVORABLE COPPER-FINS	
CONDUCTIVITY		M3256
	WATER HOSES	
	·	

*, ,

, k

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.

Ľ.

У.,

CONDUCTOR	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR (LENGTHS FOR FLAT) COILS (WITH RECTANGULAR SECTION) UCID2146	M3155
CONDUCTOR	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR (LENGTHS FOR) SADDLE COILS (WITH RECTANGULAR SECTION) UCID2147	M3156
CONDUCTOR	(ADVANCED ACCELERATOR) EDDY CURRENTS (IN A ROUND) CONDUCTOR (DUE TO AN EXTERNAL) MAGNETIC FIELD	M3358
CONDUCTOR	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS FOR) MAGNET COILS (CONSTRUCTED OF) WATER-COOLED CONDUCTOR, PROGRESS REPORT UCID2185	M3306
CONDUCTOR	TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR	M31-30 =
CONDUCTOR S	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS	M3391
CONDUCTORS	MAGNETS, COILS, CONDUCTORS, (TRIP TO) PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC-COMPANIES	M3079
CONDUITS	MOLECULAR FLOW (THROUGH HOT AND COLD) CONDUITS UCID2334	M3148
CONFERENCE	(1964 JOINT) AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY	M3361
CONFORMAL	(ADVANCED ACCELERATOR) NORMAL C MAGNETS AND CONFORMAL H MAGNETS FOR MAIN-RING	M365
CONFORMAL	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, (PRELIMINARY COMPARISON OF) NORMAL H AND CONFORMAL MAGNETS UCID2143	M3181
CONFORMAL	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CURRENT-DENSITY IN CONFORMAL MAGNETS	M3254
CONFORMAL	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, (APPROXIMATE) INDUCTANCE CALCULATION (FOR A MODIFIED) CONFORMAL H MAGNET	M3261
CONSTRUCTION	CONSTRUCTION (AND CHARACTERISTICS OF) SOLENOID MAGNET IRIS (5 IN. ID, 20 KG)	M3387
CONSULTATION-TRIP		M3204
CONTACT	(SEMINAR DN) ELECTRICAL CONTACT DESIGN	M3169
CONTRACT	(ADVANCED ACCELERATOR MAIN) VACUUM SYSTEM, (COMPARISON BETWEEN PRELIMINARY) COST-ESTIMATES AND CONTRACT BIDS	M3284
CONTROL	(88-INCH CYCLOTRON) MAGNET TRIMMING COILS, COST ESTIMATE (FOR DEMONSTRATION OF) COMPUTER CONTROL (OF ADJUSTMENTS)	M3399

· . . ·

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

X

ж.,

CONTROL	LIQUID NITROGEN LEVEL CONTROL SYSTEM	M3050
CONTROL	PULSE-LINE IGNITRON TEMPERATURE CONTROL (SYSTEM, DESCRIPTION AND) OPERATING-INSTRUCTIONS	M3067
CONTROL-SYSTEM	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER COIL, HOSE-CONNECTION ADHESIVE TEST	M3083
CONTROLLED-TEMPERAT	CONTROLLED-TEMPERATURE WATER SYSTEM CALIBRATION (DATA)	M3006
CONTROLS	(1964 JOINT) AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY	M3361
CODLING	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON (RF SYSTEM,)COOLING OF FERRITE IN RF CAVITIES BY WATER	M3348
CODUING	(HEAVY ION ACCELERATOR, MECHANICAL ENGINEERING) ESTIMATE FOR MACHINE COOLING AND SHIELDING (AT VARIOUS) DUTY-FACTORS	M3070 =
COOLING	(HEAVY ION ACCELERATOR, CW DRIVER,) TUBE AND GRID CONDENSER COOLING	M3141
CODLING	(HEAVY ION ACCELERATOR, EXTRA) COOLING FOR HEADS AND HALF DRIFT-TUBES	M3395
COOLING	(HILAC 100 PCT DUTY FACTOR OPERATION,) COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS	M3097
COOLING	(HILAC) HEATING OF POST-STRIPPER DRIFT-TUBE STEM BELLOWS (AND METHODS OF) COOLING.	M3354
COOLING	(4 1/2 PCT) DUTY-FACTOR (OPERATION) DRIFT-TUBE STEM AND SHELL COOLING (REQUIREMENTS)	M3069
COOLING	(88 INCH CYCLOTRON, NEW) MAGNET POWER SUPPLIES, COOLING UCID2224	M3250 -
COOLING	(88-INCH CYCLOTRON) DEE COOLING AND STRUCTURAL CALCULATIONS UCID2222	M3296
COOLING	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL	M3276A
CODLING	COOLING OF FERRITE IN RADIO-FREQUENCY CAVITIES BY FORCED AIR UCID2344	M3381
CODLING	CW BUNCHER, COOLING CALCULATIONS	M3084
COOLING	ELECTRICAL CONDUCTIVITY (VERSUS SIZE OF) MAGNET COOLING WATER HOSES	M3256
COOLING	FLOW SWITCH (REPLACEMENT ON 102) LINAC DRIFT-TUBE COOLING CIRCUITS	M3351
COOLING	HEATING AND COOLING (OF LARGE) OPTICAL GLASS PARTS UCID2347	M3386
CODLING	LINAC DEMINERALIZED WATER COOLING SYSTEM MAINTENANCE CHECKLIST	M3108A

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

٠

ſ

×.

ILL COOLING (REQUIREMENTS AT) 100 PER E TWEEN HEATED-SHEET AND COOLING-TUBE DEFLECTOR, WATER-COOLED COPPER THICKNESS MEASURING-DEVICE UCID2219 ZING, COPPER BUSES (ADJACENT) EPOXY	M3409 M3303 M3213 M3233
TWEEN HEATED-SHEET AND COOLING-TUBE DEFLECTOR, WATER-COOLED COPPER THICKNESS MEASURING-DEVICE UCID2219	M3213
THICKNESS MEASURING-DEVICE UCID2219	
	M3233
ISTIVITY OF (ROUGH) OFHC COPPER AT 140	M3366
	M3111
	M3286
	M3326
	110020
OR) MAIN-RING MAGNETS (PRELIMINARY)	M3248
	M3091
R BODY, COST (AND TIME) ESTIMATE	M305?
	M3275
	M3031
) PHYSICS CAVE SHIELDING COST	M3142A
	M3095
	M3349
MAGNET TRIMMING COILS, COST ESTIMATE	
ATION OF) COMPUTER CONTROL (OF	
NET. COST (SUMMARY)	M3025
CEMBER 1962 - DECEMBER 1963) UCID 2341	M3383
TING MAGNETS	M3018
-	M3307 :
) UCID2338	M3382
ING COST (STEEL) UCID2186	M3222
ING COST (STEEL) UCID2187	M3223
OR) MAGNET ENCLOSURE, (PRELIMINARY) N, (FOUR) DESIGNS FOR SITES	M3226
	SISTIVITY OF (ROUGH) OFHC COPPER AT 140 QUID DEUTERIUM CONDENSER WITH COPPER-FINS CORE SURVEY COMPUTER PROGRAM FOR,) REDUCING STRESS-VARIATION IN NET CORES (WITH LEGS AT ENDS.) FOR) MAIN-RING MAGNETS (PRELIMINARY) OF CORRECTING (MAGNETS) RIFT-TUBE MAGNET COIL CORROSION-RATE ER BODY, COST (AND TIME) ESTIMATE , DESIGN AND COST ESTIMATE UCID2129 N) PHYSICS CAVE SHIELDING COST INE, PROGRAMS FOR DESIGNING MAGNETS) COST UCID2149 DRUPOLE MAGNET COST (COMPARISON)) MAGNET TRIMMING COILS, COST ESTIMATE RATION OF) COMPUTER CONTROL (OF GNET. COST (SUMMARY) ECEMBER 1962 - DECEMBER 1963) UCID 2341 CTING MAGNETS FAXIC (APPARATUS FOR) HUMANS (ISAH), DSALS AND COST ESTIMATES 5) UCID2338 DING COST (STEEL) UCID2187 FOR) MAGNET ENCLOSURE, (PRELIMINARY) DN, (FOUR) DESIGNS FOR SITES EEP FOUNDATIONS UCID2067

.....

. 4

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

1

COST-ESTIMATE	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, COST-ESTIMATE UCID2152	M3241B
COST-ESTIMATE	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING ENCLOSURE, PRECAST CURVED CONCRETE SHELL, (TOTAL) COST-ESTIMATE (FOR 2 AND 6 GEV INJECTION) C AND H MAGNETS	M3244
COST-ESTIMATE	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS (PRELIMINARY) COST-ESTIMATE OF CORRECTING (MAGNETS)	M3248
COST-ESTIMATE	(ADVANCED ACCELERATOR STUDY) BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, (MAGNET AND) VACUUM-SYSTEM COST-ESTIMATE, ZERO-ORDER.	M3258
COST-ESTIMATE	(BEVATRON) EXTERNAL-PROTON-BEAM COST-ESTIMATE (SUMMARY) 1-1-64 PHASE 1B AND II)	M3127B
COST-ESTIMATE	(HEAVY ION ACCELERATOR, 18 PCT) DUTY-FACTOR (OPERATION) HEATING CALCULATIONS (AND MECHANICAL ENGINEERING) COST-ESTIMATE	M3065
COST-ESTIMATE	(HEAVY ION ACCELERATOR,) SHIELDING FOR 100 PER CENT LOAD-FACTOR, COST-ESTIMATE (FOR FIRST STAGE OF CONSTRUCTION)	M3376
COST-ESTIMATE	(HEAVY ION ACCELERATOR,)SHIELDING FOR 100 PER CNT LOAD-FACTOR, COST-ESTIMATE	M3375
COST-ESTIMATE	(88-INCH CYCLOTRON) REGENERATIVE DEFLECTION-SYSTEM (DESCRIPTION AND) COST-ESTIMATE	M3380A
COST-ESTIMATE	(88-INCH CYCLOTRON) SPARE DEE (DESCRIPTION AND) COST-ESTIMATE	M3379
COST-ESTIMATE	ALPHA-PARTICLE SPECTROGRAPH-II, COST-ESTIMATE (FOR NEW SET OF) POLE-TIPS	M3157
COST-ESTIMATE	COST-ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET	M3161
COST-ESTIMATE	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), COST-ESTIMATE (BASED ON 1/8 SIZE MODEL)	M3129
COST-ESTIMATE	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), (ADDITIONAL) PROPOSAL AND COST-ESTIMATE	M3323
COST-ESTIMATE	MACHINE-INSTALLATION, COST-ESTIMATE OF BUILDING-MODIFICATION	M3058
COST-ESTIMATE.	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11 AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT,	M3279
· · ·	AND 114 FT DIA.) STRUCTURES.	
COST-ESTIMATE	MOLECULAR-BEAM REACTION-CHAMBER, COST-ESTIMATE (OF MECHANICAL) COMPONENTS	M3318
COST-ESTIMATE	MOLECULAR-BEAM REACTION-CHAMBER, (REVISED) COST-ESTIMATE (DF MECHANICAL) COMPONENTS	M3404

e + * + + *

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

£ + +

COST-ESTIMATES	(ADVANCED ACCELERATOR) MAGNET SUPPORT BEAMS AND FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV	M3243
	INJECTION, C AND H MAGNET LAYOUTS UCID2089	
COST-ESTIMATES	(ADVANCED ACCELERATOR) COST-ESTIMATES, INJECTOR,	M3246
	MECHANICAL HARDWARE AND ENGINEERING UCID2307	
COST-ESTIMATES	(ADVANCED ACCELERATOR) COST-ESTIMATES EXPERIMENTAL-AREA,	M3247
	MECHANICAL HARDWARE AND ENGINEERING	
COST-ESTIMATES	(ADVANCED ACCELERATOR MAIN) VACUUM SYSTEM, (COMPARISON	M3284
	BETWEEN PRELIMINARY) COST-ESTIMATES AND CONTRACT	
	BIDS	
COST-ESTIMATES	(HEAVY ION ACCELERATOR) PROPOSED IMPROVEMENTS,	M3262
	COST-ESTIMATES FOR TARGET-AREAS	-
COST-ESTIMATES	(184-INCH CYCLOTRON) PROPOSED IMPROVEMENTS, CENTER REGION	M3300
	STUDIES COST-ESTIMATES	
COST-ESTIMATES	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3301
	PATIENT POSITIONER (PRELIMINARY) PROPOSALS AND	
	COST-ESTIMATES	
COST-STUDY		M3238
	COST-STUDY (CASES H2 AND H6)	
COSTS	(ADVANCED ACCELERATOR,) AGS LINAC INJECTOR, ACCELERATING	M3341
	WAVEGUIDE COSTS UCID2308	
COSTS	300 LBS/CF CONCRETE SHIELDING BLOCK COSTS	M3032
COUNTER	(BEVATRON, LOFGREN EXPERIMENT, MARCH 1963) OPERATING	M3004
UUUUUU	INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN	115001
	CERENKOV COUNTER	
COUNTER	(BEVATRON, MOYER EXPERIMENT, MAY 1963) OPERATING	M3055
000111211	INSTRUCTIONS AND CHECK LIST 300 PSI SULFUR	10000
	HEXAFLUORIDE CERENKOV COUNTER	
COUNTER	(2000 -P S I) METHANE COUNTER, OPERATION CHECK-LIST AND	M3151A
COONTER	PROCEDURE	11 7 7 7 7 1 H
COUNTER	SLAC-RESEARCH-GROUP (150 PSI) NITROGEN CERENKOV COUNTER,	M3356
000itt Elk	OPERATING INSTRUCTIONS	
COUPLING	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VIHI) STATIC TEST	M3135
COOLETING	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE	11220
	SHAFTS	
CRANE	EXAMINATION OF 30-TON A CRANE HOOK UCID2204	M3062
CREEP	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS,	M3321
VILLI	(YEARLY DEFLECTION INCREASE DUE TO) CREEP AND	19221
	SHRINKAGE (FOR 1 AND 2 CELL BEAMS)	
CRITERIA	(SOME) CRITERIA FOR FLOW INTERLOCKS UCID2231	M3183
UNITENIA	IJUMET GRITERIA FUR TEUM INTEREUURS UUIDZZDI	m3103

PAGE 20 -

, é

• • •

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

\$

¥ .

CRITERIA	(SOME) ULTRA-HIGH VACUUM DESIGN CRITERIA UCID2279	M3350A
CROSSOVER	<pre>(18 INCH X 36 INCH LP) MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION</pre>	M3198
CRYDSTAT	NUCLEAR DEMAGNETIZATION CRYOSTAT, VIBRATION ISOLATION (AND APPLICATION OF) AIR MOUNTS UCID1988	M3147
CUBIC-EQUATION	WORK-SHEET FOR SOLVING A CUBIC-EQUATION	M3009
CURCUITS	DIODE CURCUITS FOR NON-LINEAR SIMULATION UCID2073	M3234
CURRENT-AWARENESS	A TECHNICAL INFORMATION SYSTEM AND CURRENT-AWARENESS (MINNESOTA MINING AND MFG. CO.) MICROFORUM, (DECEMBER 6, 1963.)	M3253
CURRENT-CARRYING	CURRENT-CARRYING (CAPACITY OF SEVERAL UCLRL) TUBING FITTINGS	M3266
CURRENT-DENSITY	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CURRENT-DENSITY IN CONFORMAL MAGNETS	M3254
CURRENT-SETTING	HEATER CURRENT-SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION	M3217
CURRENTS	(ADVANCED ACCELERATOR) EDDY CURRENTS (IN A ROUND) CONDUCTOR (DUE TO AN EXTERNAL) MAGNETIC FIELD	M3358
CYCLOTRON	IRRADIATION STEREDTAXIC (APPARATUS FOR) HUMANS (ISAH), 184 INCH CYCLOTRON ALPHA-BEAM STABILITY-STUDY	M3297
CYLINDRICAL	BUDYANT STEEL VESSELS (UNDER EXTERNAL PRESSURE) SPHERICAL AND CYLINDRICAL, DESIGN (CURVES AND FORMULAS)	M3011
DALL-TUBE	THE DALL-TUBE FLOW INTERLOCK, (A FIRST LOOK)	M3098
DEE	(88-INCH CYCLOTRON) DEE TANK (HISTORY OF REPAIRS TO) LEAKS IN MAIN VACUUM SEAL UCID2220	M3285
DEE	(88-INCH CYCLOTRON) DEE COOLING AND STRUCTURAL CALCULATIONS UCID2222	M3296
DEE DEEP	(88-INCH CYCLOTRON) SPARE DEE (DESCRIPTION AND) COST-ESTIMATE	M3379
DEEP	(ADVANCED ACCELERATOR) MAGNET ENCLOSURE, (PRELIMINARY) COST-COMPARISON, (FOUR) DESIGNS FOR SITES (REQUIRING) DEEP FOUNDATIONS UCID2067	M3226
DEEP	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE, FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION UCID2349	M3398
DEEP-DRAWING	COLD DEEP-DRAWING OF PLASTIC FILMS, POLYESTER MYLAR AND POLYIMIDE H-FILM UCID2274	M3197
DEFINITION	(ADVANCED ACCELERATOR MAIN) VACUUM SYSTEM, DEFINITION OF PROBLEMS UCID2127	M3263
DEFLECTING	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS	M3121

. . *. . *

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

×

۶.

1

DEFLECTION	(EXTERNAL BEAM) DEFLECTION MAGNET POLARITY UCID2337	M3327
DEFLECTION-SYSTEM	(88-INCH CYCLOTRON) REGENERATIVE DEFLECTION-SYSTEM	M3380A
DEELECTIONS	(DESCRIPTION AND) COST-ESTIMATE	
DEFLECTIONS	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED	M3194
DEFLECTOR	UNIFORM BEAMS	W2 2 2 2
DEFLECTUR	(88-INCH CYCLOTRON) DEFLECTOR, WATER-COOLED COPPER SEPTUM, WALL-THICKNESS MEASURING-DEVICE UCID2219	M3213
DEMAGNETIZATION	NUCLEAR DEMAGNETIZATION CRYDSTAT, VIBRATION ISOLATION (AND	M3147
DEMAGNETIZATION	APPLICATION OF AIR MOUNTS UCID1988	M3147
DEMINERALIZED	LINAC DEMINERALIZED WATER COOLING SYSTEM MAINTENANCE	M3108A
DEMINERALIZED	CHECKLIST	HJIUOA
DESIGN	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, (PRELIMINARY	M3154
ULGION	SURVEY OF) DESIGN PROBLEMS UCID2145	112124
DESIGN	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, (LIST OF	M3257
	REQUIRED) DESIGN PARAMETERS	1,2271
DESIGN	(AFFECT OF) SATURATION ON THE DESIGN OF GRADIENT FIELD	M3370
	MAGNETS	
DESIGN	(AUXILIARY MAGNETS TO EXTERNAL PROTON BEAM M-5) MAGNET	M3177A
	DESIGN CALCULATIONS	
DESIGN	(AUXILIARY) MAGNET (M-3V,) DESIGN CALCULATIONS	M3094
DESIGN	(AUXILIARY) MAGNET (M4,) DESIGN OF YOKE LAMINATION BOLTS	M3103
	UCID2333	
DESIGN	(BASEMENT SLIDING) STEEL DOOR, DESIGN CALCULATIONS	M3330
DESIGN	(BEVATRON MAGNET CORE) DESIGN AND TEST OF 3-SECTOR	M3042
	STANCHION, QUADRANT II, 89 DEGREE AREA	
DESIGN	(BEVATRON VACUUM ENVELOPE BEAM EXIT) DESIGN OF VACUUM GATE	M3272
	VALVE	
DESIGN	(BEVATRON, PROPOSED) DESIGN FOR HOSE BARBS FOR 1/4 INCH	M3293
	I.D. WEATHERHEAD H-9 HOSE	
DESIGN	(M-6) MAGNET DESIGN CALCULATIONS UCID2336	M3176A
	(SEMINAR DN) ELECTRICAL CONTACT DESIGN	M3169
DESIGN	(SOME) ULTRA-HIGH VACUUM DESIGN CRITERIA UCID2279	M3350A
DESIGN	(18 X 60 H) MAGNET, DESIGN AND COST ESTIMATE UCID2129	M3275
DESIGN	(20 AND 40 GPM) FLOWSWITCH DESIGN	M3140A
DESIGN	ASME DESIGN ENGINEERING (CONFERENCE AND SHOW, MAY 1964)	M3333
DESIGN	BENDING MAGNET DESIGN CALCULATIONS UCID2228	M3316
DESIGN	BUDYANT STEEL VESSELS (UNDER EXTERNAL PRESSURE) SPHERICAL	M3011
DESIGN	AND CYLINDRICAL, DESIGN (CURVES AND FORMULAS) CONSULTATION-TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON	M3204
DESTEN	ALUMINA PART DESIGN AND PRODUCTION	M3204
	ALOMINA PART DESIGN AND PRODUCTION	

۴. .

. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.

f f

DESIGN	DESIGN AND FEOW TEST OF MULTI-ORIFICES IN SHUR-FLO	M3346
	SWITCHES	
DESIGN	DESIGN ENGINEERING (CONFERENCE AND SHOW, CHICAGO, MAY	M3332
	1964,) AMERICAN SOCIETY OF (MECHANICAL ENGINEERS.)	
0FC7CM	UCID2267	20000
DESIGN DESIGN	FLOW SWITCH DESIGN (UTILIZING) DIFFUSER (RECOVERY)	M3334
DESIGN	FOIL ROLLING-MILL DESIGN CALCULATIONS	M3218
UESIGN	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), PATIENT POSITIONER DESIGN AND DEVELOPMENT	M3308B
DESIGN	J GROOVE FOR O-RINGS TOOL GAGE AND GROOVE DESIGN (SHEET)	M361A
DESIGN	D-RING VACUUM SEALS, J (MORGRIP) GROOVE DESIGN	M3175A
DESIGN	THE ECONOMY OF (HIGH) MAGNETIC FIELDS IN THE DESIGN OF	M3219
	(LARGE) STEERING MAGNETS	- 1
DESIGN	30-TON TRANSFER BEAM DESIGN UCID2215	M3317
DESIGNING	(200-GEV) AGS MACHINE, PROGRAMS FOR DESIGNING MAGNETS	M3095
	(FOR MINIMUM) COST UCID2149	
DESIGNS	(ADVANCED ACCELERATOR) MAGNET ENCLOSURE, (PRELIMINARY)	M3226
	COST-COMPARISON, (FOUR) DESIGNS FOR SITES	
	(REQUIRING) DEEP FOUNDATIONS UCID2067	
DETECTOR	(A SENSITIVE) TEMPERATURE DEVIATION DETECTOR	M3038
DEUTERIUM	LIQUID DEUTERIUM TARGET FOR ARGONNE UCID2352	M3402
DEUTERIUM	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH	M3111
	MOST-FAVORABLE COPPER-FINS	
DEVELOPMENT	IRRADIATION STEREDTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3308B
DEVIATION	PATIENT POSITIONER DESIGN AND DEVELOPMENT (A SENSITIVE) TEMPERATURE DEVIATION DETECTOR	M3038
DEVICE	A DEVICE (FOR RAPID AND THOROUGH) CHECKING OF LEAD SCREWS.	M3408
DEVICE	UCID2362	OVPCM
DEVICES	(TECHNICAL MEETING 12-11-63) CALCULATING RELIABILITY FOR	M3273
	ENGINEERING DEVICES	
DEWARS	(UNATTENDED) INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS	M3206
	UCID2156	
DIAZO	DIAZO PRINT MACHINE	M354
DIFFERENTIAL	THE MAGNEHELIC DIFFERENTIAL PRESSURE GAGE	M3249
DIFFUSER	FLOW SWITCH DESIGN (UTILIZING) DIFFUSER (RECOVERY)	M3334
DIFFUSION		M3342
	(ACCORDING TO) AVS' STANDARDS UCID2273	
DIGITAL	(CURRENT LIST OF) DIGITAL COMPUTER PROGRAMS UCID2278	M3347
DIMENSIONAL-VARIATI	(BEVATRON MAGNET CORE) DIMENSIONAL-VARIATIONS OF	M3338
	TRANSITION-TANK AND TANGENTIAL-BRACE (AT SOUTH END	
	OF EAST TANGENT TANK AS OF OCTOBER 1962)	

. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

6

÷

DIODE DISC	DIODE CURCUITS FOR NON-LINEAR SIMULATION UCID2073 BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC;	M3234 M32 7 6A
	REACTOR COOLING OIL	
DISCHARGE	GLOW DISCHARGE CLEANING-STUDY	M3015
DISPERSIVE-POWER	DISPERSIVE-POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS UCID2340	M3335
DISSOLVED	OPERATION OF MAGNA DISSOLVED OXYGEN (CONTENT) METER	M3124
DOCUMENTATION	ENGINEERING DOCUMENTATION SYSTEM (CONSIDERATIONS AND) CHECKLIST	M3163
DOME	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS UCID2275	M3180
DODR	(BASEMENT SLIDING) STEEL DOOR, DESIGN CALCULATIONS	M3330
DOOR	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11 AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE	M3279
	SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT,	
	AND 114 FT DIA.) STRUCTURES.	
DRAWING	SHIM DRAWING OF THIN PRESSURE VESSEL (6 INCH DIAMETER X .005 INCH THICK) TORISPHERICAL 5052 ALUMINUM ALLOY HEADS UCID2276	M3235
DRAWINGS	CODE-NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES	M3046
DRIFT-TUBE	(BEVATRON INJECTOR II) LINAC, DRIFT-TUBE (REMOVAL AND REPLACEMENT) PROCEDURE	M3400
DRIFT-TUBE	(BEVATRON) LINAC DRIFT-TUBE MAGNET COIL CORROSION-RATE	M3091
DRIFT-TUBE	(HILAC) HEATING OF POST-STRIPPER DRIFT-TUBE STEM BELLOWS (AND METHODS OF) COOLING.	M3354
DRIFT-TUBE	(HILAC, 100 PCT) DUTY-FACTOR (OPERATION) PRE-STRIPPER DRIFT-TUBE GRIP (TEMPERATURES)	M3068
DRIFT-TUBE	(4 1/2 PCT) DUTY-FACTOR (OPERATION) DRIFT-TUBE STEM AND SHELL COOLING (REQUIREMENTS)	M3069
DRIFT-TUBE	DRIFT-TUBE QUADRUPOLE MAGNETS (EFFECTIVE LENGTH AND NONLINEARITY)	M3043
DRIFT-TUBE	FLOW SWITCH (REPLACEMENT ON 102) LINAC DRIFT-TUBE COOLING CIRCUITS	M3351
DRIFT-TUBE	LINAC DRIFT-TUBE MAGNETS, (DRAWING AND JOB ORDER NUMBERS)	M3214
DRIFT-TUBES	(HEAVY ION ACCELERATOR, EXTRA) COOLING FOR HEADS AND HALF DRIFT-TUBES	M3395
DRIVE	CALCULATIONS FOR PERMANENT MAGNET (USED IN) DRIVE CAPSULE	M3392
DRIVE-SHAFT	(BEVATRON INJECTOR II) BEAM SCANNING-SLITS, DRIVE-SHAFT VIBRATION	M3005
DUTY	PRESTRIPPER TANK GRILL COOLING (REQUIREMENTS AT) 100 PER CENT DUTY CYCLE	M3409

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.

\$

٤.,

DUTY-FACTOR	(HEAVY ION ACCELERATOR, 18 PCT) DUTY-FACTOR (OPERATION) HEATING CALCULATIONS (AND MECHANICAL ENGINEERING) COST-ESTIMATE	M3065
DUTY-FACTOR	(HEAVY ION ACCELERATOR, STUDIES FOR INCREASED) DUTY-FACTOR, STEEL SHIELDING (REQUIRED FOR 100 PCT FACTOR)	M3128
DUTY-FACTOR	(HILAC, 100 PCT) DUTY-FACTOR (OPERATION AT 2-MEGAWATT) POWER-DISSIPATION, (PRELIMINARY MECHANICAL ENGINEERING) ESTIMATE	M3066
DUTY-FACTOR	(HILAC, 100 PCT) DUTY-FACTOR (OPERATION) PRE-STRIPPER DRIFT-TUBE GRIP (TEMPERATURES)	M3068
DUTY-FACTOR	(HILAC, 36 PCT. AND 100 PCT.) DUTY-FACTOR (OPERATION AT 1.3 MEGAWATT) POWER-DISSIPATION, (PRELIMINARY MECHANICAL ENGINEERING) ESTIMATE	M3064
DUTY-FACTOR	(4 1/2 PCT) DUTY-FACTOR (OPERATION) DRIFT-TUBE STEM AND SHELL COOLING (REQUIREMENTS)	M3069
DUTY-FACTORS	(HEAVY ION ACCELERATOR, MECHANICAL ENGINEERING) ESTIMATE FOR MACHINE COOLING AND SHIELDING (AT VARIOUS) DUTY-FACTORS	M3070 =
EARTHQUAKE	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT AND ENCLOSURE, TRANSIENT RESPONSE TO EARTHQUAKE (MOTION OF A CONTINUOUS) CONCRETE BEAM (93-FT, LONG ONE CELL)	M3360
EARTHQUAKE	EARTHQUAKE STABILITY CALCULATIONS FOR ELECTRICAL SUBSTATION (EQUIPMENT)	M3328
ECONOMY	THE ECONOMY OF (HIGH) MAGNETIC FIELDS IN THE DESIGN OF (LARGE) STEERING MAGNETS	M3219
EDDY	(ADVANCED ACCELERATOR) EDDY CURRENTS (IN A ROUND) CONDUCTOR (DUE TO AN EXTERNAL) MAGNETIC FIELD	M3358
ELECTRIC	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS	M3289A
ELECTRIC	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD (FORMULAE)	M3024
ELECTRICAL	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING SYSTEM	M3331
ELECTRICAL	(SEMINAR ON) ELECTRICAL CONTACT DESIGN	M3169
ELECTRICAL	EARTHQUAKE STABILITY CALCULATIONS FOR ELECTRICAL SUBSTATION (EQUIPMENT)	M3328
ELECTRICAL	ELECTRICAL CONDUCTIVITY (VERSUS SIZE OF) MAGNET COOLING WATER HOSES	M3256

· · · · ·

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

• .

4

ELECTRICAL	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES	M3160 -
ELECTRON-BEAM	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES	M3252
EMBEDMENT	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS FOR) MAGNET CDILS (CONSTRUCTED OF) WATER-COOLED CONDUCTOR, PROGRESS REPORT UCID2185	M3306
EMISSION	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM	M3023
ENCLOSURE	(ADVANCED ACCELERATOR) MAGNET ENCLOSURE, (PRELIMINARY) COST-COMPARISON, (FOUR) DESIGNS FOR SITES (REQUIRING) DEEP FOUNDATIONS UCID2067	M3226
ENCLOSURE	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING ENCLOSURE, PRECAST CURVED CONCRETE SHELL, (TOTAL) COST-ESTIMATE (FOR 2 AND 6 GEV INJECTION) C AND H MAGNETS	M3244
ENCLOSURE	(ADVANCED ACCELERATOR STUDY) BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, (MAGNET AND) VACUUM-SYSTEM COST-ESTIMATE, ZERO-ORDER.	M3258
ENCLOSURE	(ADVANCED ACCELERATOR, INTERIM DISCUSSION, MAGNET ENCLOSURE (GENERAL ARRANGEMENTS,)	M3320
ENCLOSURE	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT AND ENCLOSURE, TRANSIENT RESPONSE TO EARTHQUAKE (MOTION OF A CONTINUOUS) CONCRETE BEAM (93-FT. LONG ONE CELL)	M3360 =
ENERGY	EXTERNAL BEAM MAGNETS, (FACTORS AFFECTING) ENERGY RESOLUTION	M3363
ENGINEERING	(ADVANCED ACCELERATOR) COST-ESTIMATES, INJECTOR, MECHANICAL HARDWARE AND ENGINEERING UCID2307	M3246
ENGINEERING	(ADVANCED ACCELERATOR) COST-ESTIMATES EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING	M3247
ENGINEERING	(TECHNICAL MEETING 12-11-63) CALCULATING RELIABILITY FOR ENGINEERING DEVICES	M3273
ENGINEERING	ASME DESIGN ENGINEERING (CONFERENCE AND SHOW, MAY 1964)	M3333
ENGINEERING	DESIGN ENGINEERING (CONFERENCE AND SHOW, CHICAGO, MAY	M3332 🗄
· · ·	1964,) AMERICAN SOCIETY OF (MECHANICAL ENGINEERS.) UCID2267	
ENGINEERING	ENGINEERING DOCUMENTATION SYSTEM (CONSIDERATIONS AND) CHECKLIST	M3163
ENGINEERING	ENGINEERING NOTE AND SPECIFICATION NUMBERING SYSTEM	M3228A
ENGINEERING	INDEX TO (BEVATRON) LINAC ENGINEERING NOTES	M3215
ENGINEERING-NOTE	ENGINEERING-NOTE AUTHORS GUIDE	M3374A

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

¥

ENGINEERING-NOTES	CODE-NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES	M3046
ENGINEERING-WORK	ENGINEERING-WORK (ON THE ADVANCED ACCELERATOR) STUDY	M3216
EPOXY	(MEASUREMENT OF) VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY (FORMULATIONS)	M3357A
EPOXY	(70-KV) ISOLATION FIRING TRANSFORMER, (SELECTION OF)	M3196
CFUXI	SELF-EXTINGUISHING EPOXY CASTING RESIN	M3190
EPOXY	HARD-SOLDERING, BRAZING, COPPER BUSES (ADJACENT) EPOXY	M3233
	RESIN	
EPOXY	PROPERTIES (OF SEVERAL) EPOXY (FORMULAS FOR) VACUUM	M3022
	POTTING OF MAGNET COILS	
EPOXY	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON	M347
	826/FURANE D40 FORMULATION)	
EPOXY	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON 826 "	M358
	FURANE D40 FORMULATION)	
EPDXY	VACUUM IMPREGNATION OF MAGNET COILS WITH (LRL) EPOXY	M360A
	(FORMULATION NO. CT2E)	
EQUATIONS	GOVERNING EQUATIONS FOR 5831 REGULATING-TUBE	M3001A
	SHOCK-ABSORBER	
EQUIPMENT	(WORK PLANNED ON) VACUUM EQUIPMENT EVALUATION AND	M3385
	STANDARDIZATION (FY 1965)	
EQUIPMENT	(30-INCH PROPANE CHAMBER, HYPERFRAGMENT EXPERIMENT) SAFETY	M3282
	OF EQUIPMENT AND INSTALLATION	
EQUIPMENT	VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION (FY 1964)	M3369
ESTIMATE	(HEAVY ION ACCELERATOR, MECHANICAL ENGINEERING) ESTIMATE	M3070
	FOR MACHINE COOLING AND SHIELDING (AT VARIOUS)	
	DUTY-FACTORS	
ESTIMATE	(HILAC, 100 PCT) DUTY-FACTOR (OPERATION AT 2-MEGAWATT)	M3066
	POWER-DISSIPATION, (PRELIMINARY MECHANICAL	
	ENGINEERING) ESTIMATE	
ESTIMATE	(HILAC, 36 PCT. AND 100 PCT.) DUTY-FACTOR (OPERATION AT	M3064
	1.3 MEGAWATT) POWER-DISSIPATION, (RRELIMINARY	
	MECHANICAL ENGINEERING) ESTIMATE	
ESTIMATE	(NEW) BUBBLE-CHAMBER BODY, COST (AND TIME) ESTIMATE	M3052
ESTIMATE	(18 X 60 H) MAGNET, DESIGN AND COST ESTIMATE UCID2129	M3275
ESTIMATE	(88-INCH CYCLOTRON) MAGNET TRIMMING COILS, COST ESTIMATE	M3399
	(FOR DEMONSTRATION OF) COMPUTER CONTROL (OF	
	ADJUSTMENTS I	
ESTIMATES	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3307
	(FINAL) PROPOSALS AND COST ESTIMATES	
ESTIMATING	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, ESTIMATING OF	M3281
	MAXIMUM PRESSURE UCID2150	

٢. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

ESTIMATING	(200-GEV) AGS MAIN-RING VACUUM CHAMBER ESTIMATING DF MAXIMUM PRESSURE UCID2148	M3134
EVALUATION	(ADVANCED ACCELERATOR,) EVALUATION OF (PROPOSED) VACUUM PUMPING SYSTEMS / UCID2128	M3269A
EVALUATION	(BEVATRON, EXTERNAL PROTON BEAM) BEARING EVALUATION TEST	M3082
EVALUATION	(WORK PLANNED ON) VACUUM EQUIPMENT EVALUATION AND	M3385
CHAEDATION	STANDARDIZATION (FY 1965)	FIJ JOJ
EVALUATION	HOSE EVALUATION FOR (FORE) VACUUM SERVICE UCID2335	M3162
EVALUATION	VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION (FY 1964)	M3369
EVALUATION	VACUUM THERMOCOUPLE GAUGE TUBE EVALUATION	M3212A
		1 A A A A A A A A A A A A A A A A A A A
EXAMINATION	EXAMINATION OF 30-TON A CRANE HOOK UCID2204	M3062
EXCITATION	(18 INCH X 36 INCH LP) MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION	M3198
EXPERIMENTAL-AREA	(ADVANCED ACCELERATOR) COST-ESTIMATES EXPERIMENTAL-AREA,	M3247
	MECHANICAL HARDWARE AND ENGINEERING	
EXPERIMENTS	(MINUTES OF HYDROGEN SAFETY COMMITTEE, TENTATIVE SPECIFIC)	M3188A
	INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS	
	(LOCATED IN CLOSED ROOMS)	
EXTENSION-TANK	VACUUM-ENVELOPE, BEAM-EXIT EXTENSION-TANK	M3287
EXTERNAL	EXTERNAL BEAM MAGNETS, (FACTORS AFFECTING) ENERGY	M3363
	RESOLUTION	
EXTERNAL-PROTON-BEA	(BEVATRON) EXTERNAL-PROTON-BEAM COST-ESTIMATE (SUMMARY)	M3127B
	1-1-64 PHASE 1B AND II)	
FABRICATOR	(TECHNICAL) LIAISON (BETWEEN UCLRL MECHANICAL ENGINEERING	M3045
	DEPARTMENT AND) FABRICATOR UCID2151	
FERRITE	(ADVANCED ACCELERATOR,) BODSTER SYNCHROTRON (RF	M3348
ν παρακιτα τη τη τη τη τη αγου.	SYSTEM, COOLING OF FERRITE IN RE CAVITIES BY WATER	
FERRITE	COOLING OF FERRITE IN RADIO-FREQUENCY CAVITIES BY FORCED	M3381
	AIR UCID2344	1.5502
FIELD	(ADVANCED ACCELERATOR) EDDY CURRENTS (IN A ROUND)	M3358
	CONDUCTOR (DUE TO AN EXTERNAL) MAGNETIC FIELD	
FIELD	(AFFECT OF) SATURATION ON THE DESIGN OF GRADIENT FIELD	M3370
TILLU	MAGNETS	10010
FIELD	(SUMMARY OF) MAGNETIC FIELD (DATA ON 18 X 36) HIGH-POWERED	MT-184
TILLU	H MAGNETS	111 - 104
FIELD	FIELD UNIFORMITY IN COIL-IN-GAP (TYPE) MAGNETS UCID1881	M3026
	TESTING KLIXON THERMAL OVER-TEMPERATURE RELAYS IN A	M3193
FIELD		M2142
	MAGNETIC FIELD	N202/
FIELD	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD	M3024
	(FORMULAE)	

· · · · · ·

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.

.

÷ .

FIELD-FREE FIELD-MEASURING	(RESULTS OF) FIELD-FREE LABORATORY CHILLER MODIFICATION (25-INCH HYDROGEN) BUBBLE-CHAMBER MAGNET, FIELD-MEASURING	M3203
TILLD HEASONING	COIL POSITIONER, PRECISION OF SEARCH-COIL (LOCATION	M3224
	AND MOVEMENT) UCID2162	
FIELDS	THE ECONOMY OF (HIGH) MAGNETIC FIELDS IN THE DESIGN OF (LARGE) STEERING MAGNETS	M3219
FILM	TECHNIQUE FOR (THIN) INORGANIC FILM (PRODUCTION AND MOUNTING)	M3105
FILM-TRANSPORT	MEASURING-PROJECTOR, SPIRAL READER, FILM-TRANSPORT, AIR BEARING	M3405
FILMS	(THIN, UNBACKED METAL AND OTHER) INORGANIC FILMS	M3107
FILMS	COLD DEEP-DRAWING OF PLASTIC FILMS, POLYESTER MYLAR AND	M3197
	POLYIMIDE H-FILM UCID2274	
FILMS	PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF	M3106
	INTERMEDIATE THICKNESS)	
FILMS	PRODUCTION OF THIN ORGANIC FILMS OF ZAPON NITROCELLULOSE	M3104
FILMSTRIP	STERED CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH	M3401
	BUBBLE-CHAMBER (REVISED) FILMSTRIP FORMAT UCID2351	
FIRING	(70-KV) ISOLATION FIRING TRANSFORMER, (SELECTION OF)	M3196
	SELF-EXTINGUISHING EPOXY CASTING RESIN	
FISCHER	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, (MEETING WITH DR. E.) FISCHER FROM CERN	M3299
FIT	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES	M3117
FITTINGS	CURRENT-CARRYING (CAPACITY OF SEVERAL UCLRL) TUBING	M3266
	FITTINGS	
FIXTURE	BLOCK LIFTING FIXTURE ARMS, (ADAPTER AND 1 1/2 INCH	M3186
	DIAMETER PIN)	-
FIXTURE	CONCRETE BLOCK LIFTING FIXTURE STRESSES UCID2205	M3041
FIXTURE	MAGNET LIFTING FIXTURE CALCULATIONS	M3013
FLAMMABLE	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS	M3265
FLASKS	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS UCID2275	M3180
FLIP-TARGET	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T LONG COIL	M3123A
	WINDING INSTRUCTIONS	
FLIP-TARGET	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T SHORT COIL	M3136
	WINDING == INSTRUCTIONS	
FLIP-TARGET	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T STRAIGHT TO	M3137
	CURVED ASSEMBLY PROCEDURE	
FLIP-TARGET	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIIII-T TRAVELING	M3138
	TARGET AIR LOCK OPERATION	
FLIP-TARGET	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T TRAVELING	M3139
	TARGET OPERATING INSTRUCTIONS	

.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

٠.

т к. к

•

FILTP-TARCETS	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VIII) STATIC TEST	M3135
ILL FARGETS	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE	110100
	SHAFTS	
FLOOR	MACHINE-INSTALLATION, REINFORCEMENT OF FLOOR (FOR	M3051
	ADDITIONAL LOADING)	
FLOOR-LOADING	(FOUR-POINT VERSUS THREE-POINT) FLOOR-LOADING FOR	M3056
	TRAVELING MAGNET	•
FLOW FLOW	(A NEW TYPE) WATER FLOW SWITCH AND INDICATOR UCID2350	M3340 -
FLOW		M3097
	REQUIREMENTS FOR TUNING LOOPS	
FLOW	(SOME) CRITERIA FOR FLOW INTERLOCKS UCID2231 (88-INCH CYCLOTRON, ONE-HALF INCH) WATER FLOW SWITCH	M3183
FLOW	(88-INCH CYCLOTRON, ONE-HALF INCH) WATER FLOW SWITCH	M3189
FLOW	DESIGN AND FLOW TEST OF MULTI-ORIFICES IN SHUR-FLO	M3346
E1:01	SWITCHES FLOW SWITCH (REPLACEMENT ON 102) LINAC DRIFT-TUBE COOLING	M3351
FLOW	CIRCUITS	M3331
EI: OW	FLOW SWITCH DESIGN (UTILIZING) DIFFUSER (RECOVERY)	M3334
FLOW	FLOW SWITCH FOR (16-32-16-12INCH DIAMETER) FOCUSING	M3086
FLOW FLOW FLOW FLOW FLOW FLOW FLOW FLOWSWITCH FLOWSTING	QUADRUPOLE TRIPLET MAGNET	113000
FLOW	ION SOURCE, NON-IONIZED GAS FLOW	M3039
FLOW	MOLECULAR FLOW (THROUGH HOT AND COLD) CONDUITS UCID2334	M3148
FLOW	THE DALL-TUBE FLOW INTERLOCK, (A FIRST LOOK)	M3098
FLOWSWITCH	(20 AND 40 GPM) FLOWSWITCH DESIGN	M3140A
FDCUSING	(20 AND 40 GPM) FLOWSWITCH DESIGN (CORRELATION OF) QUADRUPOLE FOCUSING MAGNET	M3371
	(CHARACTERISTICS)	
FOCUSING	CENTER SECTION FOR 12-INCH APERTURE FOCUSING QUADRUPOLE	M3081
	TRIPLET MAGNET	
FOCUSING	FLOW SWITCH FOR (16-32-16-12INCH DIAMETER) FOCUSING	M3086
	QUADRUPOLE TRIPLET MAGNET	
FOCUSING	FOCUSING MAGNETS (CENTER SECTION FOR 12°INCH APERTURE)	M359
	QUADRUPOLE TRIPLET HERO	
FOCUSING	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING	M3195
FOIL	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS UCID2275	
FOIL		M3252
	HEMISPHERES	
FOIL	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC,	M3276A
	REACTOR CODEING OIL	
FOIL	FOIL ROLLING-MILL DESIGN CALCULATIONS	M3218
FORCED	COOLING OF FERRITE IN RADIO-FREQUENCY CAVITIES BY FORCED	M3381
	AIR UCID2344	
5 C		

.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

2		
FORCES	(BEVATRON INJECTOR II) MAGNETIC FORCES ON IM-3 POWER CABLES	M3010 -
FORGINGS	(BEVATRON, REMAINDER OF) HEPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS	M3076
FORMAT	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER (REVISED) FILMSTRIP FORMAT UCID2351	M3401
FORMING	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS UCID2275	M3180 -
FORTRAN	(SUPPLEMENTARY NOTES TO) IBM FORTRAN PROGRAMMED-INSTRUCTION-COURSE	M3393-4
FORTRAN	FORTRAN PROGRAMING SUBROUTINE FOR PLOTTING LOGARITHMIC GRID-LINES FOR THE CAL-COMP PLOTTER	M3337
FOUNDATION	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL BEAMS, BEAM-SIZES, (STRESSES, SPACING AND DEFLECTION, COMMERCIAL) WF-BEAMS	M3336
FOUNDATION	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE, FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION UCID2349	M3398
FOUNDATIONS	(ADVANCED ACCELERATOR) MAGNET ENCLOSURE, (PRELIMINARY) COST-COMPARISON, (FOUR) DESIGNS FOR SITES (REQUIRING) DEEP FOUNDATIONS UCID2067	M3226
FOUNDATIONS	(ADVANCED ACCELERATOR) MAGNET SUPPORT BEAMS AND FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV INJECTION, C AND H MAGNET LAYOUTS UCID2089	M3243
FOUNDATIONS	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE, FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION UCID2349	M3398
FOURIER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS UCID2155	M3236
FRAME	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS	M3289A
FREON	(MODELING A) WATERFLOW ROTAMETER FOR LIQUID FREON (SERVICE)	M3096
FREQUENCIES	(ADVANCED ACCELERATOR,) NATURAL FREQUENCIES FOR MAIN-RING MAGNET SUPPORT BEAMS (DESCRIBED IN NOTE M3243.)	M3283
FREQUENCIES	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS	M3194
FREQUENCY	(ADVANCED ACCELERATOR) RING MAGNET SUPPORT BEAMS (PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND) VIBRATION FREQUENCY (FOR 100 FT AND 200FT BEAMS) UCID2138	M3229

* * * * *

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

¥

۲

FREQUENCY	(ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORT, RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE SYSTEMS	M3304
FREQUENCY	(BEVATRON, MAGNET POWER SUPPLY) MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS	M3362A
FUNCTIONS	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS UCID2155	M3236
GAGE	J GROOVE FOR D-RINGS TOOL GAGE AND GROOVE DESIGN (SHEET)	M361A
GAGE	THE MAGNEHELIC DIFFERENTIAL PRESSURE GAGE	M3249
GAGES	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES (TO GASES OTHER THAN AIR)	M3099
GAP	8-INCH GAP (AUXILIARY) MAGNET	M368
GAP-MOUNTED	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T LONG COIL WINDING INSTRUCTIONS	M3123A
GAP-MOUNTED	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VIII) STATIC TEST	M3135
	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS	
GAP-MOUNTED	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T SHORT COIL WINDING INSTRUCTIONS	M3136
GAP-MOUNTED	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T STRAIGHT TO	M3137
CAD NOUNTED	CURVED ASSEMBLY PROCEDURE	M3138
GAP-MOUNTED	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIIII-T TRAVELING TARGET AIR LOCK OPERATION	M3138
GAP-MOUNTED	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T TRAVELING	M3139
	TARGET OPERATING INSTRUCTIONS	-
GAS	(BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT.) HYDROGEN	M3221
	GAS TARGET, OPERATION CHECK LIST AND PRESSURE TEST	
GAS	(1-1/4-DIAX-3-1/8-LG.) HYDROGEN GAS TARGET OPERATING PROCEDURE	M3251
GAS	A RECIRCULATOR AND PURIFIER FOR SPARK CHAMBER NEON GAS	M3352
GAS	ION SOURCE, NON-IONIZED GAS FLOW	M3039
GAS	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS	M3265
GASEOUS	ION SOURCE, GASEOUS HEAT-CONDUCTION	M3044
GASKET	(25-INCH) BUBBLE-CHAMBER, (DETERMINATION OF FINAL) GASKET, BEARING PAD, (DIMENSIONS)	M3101
GASKET	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET UCID1890	M3035
GATE	(BEVATRON VACUUM ENVELOPE BEAM EXIT) DESIGN OF VACUUM GATE VALVE	M3272
GATE	(SPECIFICATION AND PROCUREMENT OF) STAINLESS-STEEL (HIGH) VACUUM GATE VALVES UCID2206	M3309
GAUGE	HEATER CURRENT-SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION	M3217

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

- •

¢.

1

		
GAUGE	THEORY CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE UCID2343	M3364
GAUGE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE	M3210
GAUGE	VACUUM THERMOCOUPLE GAUGE TUBE EVALUATION	M3212A
GENERAL-ELECTRIC	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON, BRODKHAVEN,	M3344
	CAMBRIDGE, GENERAL-ELECTRIC (TRIP REPORT, JUNE 1964)	
GENERAL-ELECTRIC-CO		M3079
	REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND	
-	GENERAL-ELECTRIC-COMPANIES	
GLASS	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND	M3372
02A00	OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND	113372
	LAMINATED GLASS VACUUM WINDOWS	
22410	HEATING AND COOLING (OF LARGE) OPTICAL GLASS PARTS	M3386
GLASS GLASS GLASS GLOW GOVERNING	UCID2347	0000
22412	SPECTROMETER GLASS CATHODES	M351
GLASS CLASS	VELOCITY SPECTROMETERS (MARK VI) GLASS CATHODES	M363
GLASS	VELOCITY OPECTROMETERS (MARK VI) GLASS CATHODES	
GLASS	VELOCITY SPECTROMETERS (MK VI - 15 FT) THE TESTING OF	M3324A
	GLASS FOR VOLUME RESISTIVITY (AS A FUNCTION OF)	
	TEMPERATURE	
GLUW	GLOW DISCHARGE CLEANING-STUDY	M3015
GUVERNING	GOVERNING EQUATIONS FOR 5831 REGULATING-TUBE	M3001A
	SHUCK-ADSORDER	
GRADIENT	(AFFECT OF) SATURATION ON THE DESIGN OF GRADIENT FIELD	M3370
	MAGNETS	
GRID	(HEAVY ION ACCELERATOR, CW DRIVER,) TUBE AND GRID	M3141
	CONDENSER COOLING	
GRID-LINES	FORTRAN PROGRAMING SUBROUTINE FOR PLOTTING LOGARITHMIC	M3337
	GRID-LINES FOR THE CAL-COMP PLOTTER	
GRILL	PRESTRIPPER TANK GRILL COOLING (REQUIREMENTS AT) 100 PER	M3409
	CENT DUTY CYCLE	
GRIP	(HILAC, 100 PCT) DUTY-FACTOR (OPERATION) PRE-STRIPPER	M3068
	DRIFT-TUBE GRIP (TEMPERATURES)	
GROOVE	J GROOVE FOR O-RINGS TOOL GAGE AND GROOVE DESIGN (SHEET)	M361A
GROOVE	J GROOVE FOR O-RINGS TOOL GAGE AND GROOVE DESIGN (SHEET)	M361A
GRODVE	D-RING VACUUM SEALS, J (MORGRIP) GRODVE DESIGN	M3175A
H-FILM	COLD DEEP-DRAWING OF PLASTIC FILMS, POLYESTER MYLAR AND	M3197
	POLYIMIDE H-FILM UCID2274	
H-9	(BEVATRON, PROPOSED) DESIGN FOR HOSE BARBS FOR 1/4 INCH	M3293
	I.D. WEATHERHEAD H-9 HOSE	
H-9	WEATHERHEAD H-9 HOSE AND BARB (VARIATIONS TO ALLOW EASY	M3280
11 2	ASSEMBLY AND) LEAK-TIGHTNESS	11JL00
	AJJLFDLE AND ELLAN TELDHENLJJ	

. . *

. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

٠

×.

HALF	(HEAVY ION ACCELERATOR, EXTRA) COOLING FOR HEADS AND HALF DRIFT-TUBES	M3395
HALF-CELL	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE	M3336
	FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL	
	BEAMS, BEAM-SIZES, (STRESSES, SPACING AND	
	DEFLECTION, COMMERCIAL) WF-BEAMS	
HANDLING	COATED OPTICS, HANDLING AND CLEANING OF	M3149
HARD-SOLDERING	HARD-SOLDERING, BRAZING, COPPER BUSES (ADJACENT) EPOXY	M3233
HAND SUCCENTING	RESIN	FI3233
HARDWARE	(ADVANCED ACCELERATOR) COST-ESTIMATES, INJECTOR,	M3246
	MECHANICAL HARDWARE AND ENGINEERING UCID2307	
HARDWARE	(ADVANCED ACCELERATOR) COST-ESTIMATES EXPERIMENTAL-AREA,	M3247
	MECHANICAL HARDWARE AND ENGINEERING	
HARDWARE	HOOK-SUSPENDED LIFTING HARDWARE (SHAPES OF AREAS IN	M3115
HANDRANE	CONTACT WITH HOOK)	
HASTINGS	HEATER CURRENT-SETTING FOR HASTINGS THERMOCOUPLE VACUUM	M3217
111012100	GAUGE CALIBRATION	MJLII
HEADS	(HEAVY ION ACCELERATOR, EXTRA) COOLING FOR HEADS AND HALF	M3395
HEADS	DRIFT-TUBES	C66C11
HEADS	SHIM DRAWING OF THIN PRESSURE VESSEL (6 INCH DIAMETER X	M3235
ILLAUS	.005 INCH THICK) TORISPHERICAL 5052 ALUMINUM ALLOY	PI3233
	HEADS UCID2276	
HEAT	(DEPENDENCE OF) RADIATION HEAT-TRANSFER ON HEAT SHIELD	M3034
IILAI	(SPACING)	M2034
HEAT		421/0
NCAI	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES	M3160
HEAT-CONDUCTION	ION SOURCE, GASEDUS HEAT-CONDUCTION	M3044
HEAT-TRANSFER	(COMPARISON OF SEVERAL) HEAT-TRANSFER CEMENTS	M3002
HEAT-TRANSFER	(DEPENDENCE OF) RADIATION HEAT-TRANSFER ON HEAT SHIELD	M3034
HEAT TRANSFER	(SPACING)	FCOCH
HEATED-SHEET	TEMPERATURE-DROP BETWEEN HEATED-SHEET AND COOLING-TUBE	M3303
	UCID2223	
HEATER	HEATER CURRENT-SETTING FOR HASTINGS THERMOCOUPLE VACUUM	M3217
	GAUGE CALIBRATION	
HEATING	(HEAVY ION ACCELERATOR, 18 PCT) DUTY-FACTOR (OPERATION)	M3065
	HEATING CALCULATIONS (AND MECHANICAL ENGINEERING)	
	COST-ESTIMATE	
HEATING	(HILAC) HEATING OF POST-STRIPPER DRIFT-TUBE STEM BELLOWS	M3354
1 7 Star (* 1 8 1 7 1 4	(AND METHODS OF) COOLING.	49 De D 77
HEATING	HEATING AND COOLING (OF LARGE) OPTICAL GLASS PARTS	M3386
136.m 1 1190	UCID2347	00CCM

.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

3

HELIUM	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE	M3133
HELIUM	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER	M3053
	PROPOSAL	
HELIUM	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL	M3014
HEMATITE	MAGNETITE OR HEMATITE HIGH®DENSITY (225 LBS/CF) CONCRETE	M1 5B
	SHIELDING BLOCKS	
HEMISPHERES	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL	M3252
	HEMISPHERES	
HEPPENSTAHL	(BEVATRON, REMAINDER OF) HEPPENSTAHL ARMOR PLATE STEEL	M3076
	SHIELDING FORGINGS	
HERO	FOCUSING MAGNETS (CENTER SECTION FOR 12 INCH APERTURE)	M359
	QUADRUPOLE TRIPLET HERO	
HEXAFLUORIDE	(BEVATRON, MOYER EXPERIMENT, MAY 1963) OPERATING	M3055
	INSTRUCTIONS AND CHECK LIST 300 PSI SULFUR	
	HEXAFLUORIDE CERENKOV COUNTER	
HIGH-POWERED	(SUMMARY DF) MAGNETIC FIELD (DATA DN 18 X 36) HIGH-POWERED	MT-184
	H MAGNETS	
HIGH-PRESSURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER, (LOFGREN GROUP)	M3355
	OPERATING CHECK LIST, PROCEDURE AND PRESSURE TEST	
HIGH-STRENGTH	(HEAVY ION ACCELERATOR) PROCEDURE FOR INSTALLING	M3100
	HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS	
HIGH®DENSITY	MAGNETITE OR HEMATITE HIGH DENSITY (225 LBS/CF) CONCRETE	M15B
	SHIELDING*BLOCKS	
HDIST	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS	M3289A
HODK	EXAMINATION OF 30-TON A CRANE HOOK UCID2204	M3062
HOOK-SUSPENDED	HOOK-SUSPENDED LIFTING HARDWARE (SHAPES OF AREAS IN	M3115
	CONTACT WITH HOOK)	. .
HOSE	(BEVATRON, PROPOSED) DESIGN FOR HOSE BARBS FOR 1/4 INCH	M3293
	I.D. WEATHERHEAD H-9 HOSE	
HOSE	(BEVATRON, PROPOSED) DESIGN FOR HOSE BARBS FOR 1/4 INCH	N3293
	I.D. WEATHERHEAD H-9 HOSE	
HOSE	(PREFERRED) MAGNET WATER HOSE (ASSEMBLY) UCID2331	M3047
HDSE	HOSE EVALUATION FOR (FORE) VACUUM SERVICE UCID2335	M3162
HOSE	WEATHERHEAD H-9 HOSE AND BARB (VARIATIONS TO ALLOW EASY	M3280
	ASSEMBLY AND) LEAK-TIGHTNESS	
HOSE-CONNECTION	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER	M3083
	COIL, HOSE-CONNECTION ADHESIVE TEST	
HOSES	APPRAISAL OF MAGNET WATER-COOLING HOSES	M3208
HOSES	ELECTRICAL CONDUCTIVITY (VERSUS SIZE OF) MAGNET CODLING	M3256
	WATER HOSES	

.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

\$

ï

HUMANS	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3129
·	COST-ESTIMATE (BASED ON 1/8 SIZE MODEL)	
HUMANS	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), 184 INCH CYCLOTRON ALPHA-BEAM STABILITY-STUDY	M3297
HUMANS	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH).	M3301
	PATIENT POSITIONER (PRELIMINARY) PROPOSALS AND	M2 201
	COST-ESTIMATES	
HUMANS	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	N2207
HUMANS	(FINAL) PROPOSALS AND COST ESTIMATES	M3307
HUMANS		N3 3000
TUPAN3	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3308B
1 21 234 A AI C	PATIENT POSITIONER DESIGN AND DEVELOPMENT	
HUMANS	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3323
	(ADDITIONAL) PROPOSAL AND COST-ESTIMATE	
HYDRAULIC	(BEVATRON, EAST-INSIDE-SOUTH) HYDRAULIC CLIPPER PLUNGER	M3036
HYDROGEN	(BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT.) HYDROGEN	M3221
	GAS TARGET, OPERATION CHECK LIST AND PRESSURE TEST	
HYDROGEN	(MINUTES OF HYDROGEN SAFETY COMMITTEE, TENTATIVE SPECIFIC)	M3188A
	INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS	
	(LOCATED IN CLOSED ROOMS)	
HYDROGEN	(UNATTENDED) INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS	M3206
	UCID2156	
HYDROGEN	(1-1/4-DIAX-3-1/8-LG.) HYDROGEN GAS TARGET OPERATING	M3251
	PROCEDURE	
HYDROGEN	DISPERSIVE-POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS	M3335
	UCID2340	
HYDROGEN	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER, (LOEGREN GROUP)	M3355
	OPERATING CHECK LIST, PROCEDURE AND PRESSURE TEST	
HYDROGEN	LIQUID HYDROGEN, HELIUM, AND DXYGEN STORAGE	M3133
HYDROGEN	SAFETY (ASPECTS OF THE) HYDROGEN SPARK-DISCHARGE-CHAMBER	MM3114
HYDROGEN	SAFETY-REQUIREMENTS FOR 25-INCH HYDROGEN AND 30-INCH	M3209
	PROPANE BUBBLE-CHAMBER (COMBINED) OPERATION (SPRING	
·	1964) UCID2209	
IBM	(SUPPLEMENTARY NOTES TO) IBM FORTRAN	M3393-4
	PROGRAMMED-INSTRUCTION-COURSE	
IGNITRON	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER	M3083
	COIL, HOSE-CONNECTION ADHESIVE TEST	1.500.5
IGNITRON	PULSE-LINE IGNITRON TEMPERATURE CONTROL (SYSTEM,	M3067
T OLE T FOR	DESCRIPTION AND) OPERATING-INSTRUCTIONS	
IM-3	(BEVATRON INJECTOR II) MAGNETIC FORCES ON IM-3 POWER	M3010
€ f'1 €	CABLES	DIDEN
	CADLES	

4.

• •

8 G

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

٠

٦.

IM-3	(BEVATRON INJECTOR II, THE ALTERNATIVES SHOULD) INFLECTOR	M3118A
THROCOMATION	MAGNET COIL IM-3 BECOME INOPERATIVE	
IMPREGNATION	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON	M347
	826/FURANE D40 FORMULATION)	
IMPREGNATION	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON 826 "	M358
	FURANE D40 FORMULATION)	
IMPREGNATION	VACUUM IMPREGNATION OF MAGNET COILS WITH (LRL) EPOXY	M360A
	(FORMULATION NO. CT2E)	
IMPROVEMENTS	(HEAVY ION ACCELERATOR) PROPOSED ACCELERATOR IMPROVEMENTS	M3167B
	(FDR FY 1964)	
IMPROVEMENTS	(HEAVY ION ACCELERATOR) PROPOSED IMPROVEMENTS,	M3262
	COST-ESTIMATES FOR TARGET-AREAS	
IMPROVEMENTS	(184 INCH CYCLOTRON) PROPOSED ACCELERATOR IMPROVEMENTS	M3165B
	(FOR FY 1964)	
IMPROVEMENTS	(184-INCH CYCLOTRON) PROPOSED IMPROVEMENTS, CENTER REGION	M3300 -
	STUDIES COST-ESTIMATES	
IMPROVEMENTS	(184-INCH CYCLOTRON) PROPOSED ACCELERATOR IMPROVEMENTS,	M3314
	(FY 1966 PRELIMINARY)	
IMPROVEMENTS	(184-INCH CYCLOTRON, FY 1965) PROPOSED ACCELERATOR	M3313
	IMPROVEMENTS (PRELIMINARY)	
IMPROVEMENTS	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS,	M3298
1	BUDGET-SUBMISSION (FY 1966)	
IMPROVEMENTS	(88+INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, (PROPOSED	M3312
In to reacting	REVISED) BUDGET (FOR FY 65) UCID2227	
IMPROVEMENTS	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, BUDGET	M3311
LINKOV LINENTS	SUBMISSION (FY 66.) UCID2226	112211
IMPROVEMENTS	(88-INCH CYCLOTRON,) PROPOSED ACCELERATOR IMPROVEMENTS	M3166C
IMPROVEMENTS	(FOR FY 1964) UCID2229	MUTOOC
IMPULSE	MAGNET COIL IMPULSE TESTING	M3191
		M3215
	INDEX TO (BEVATRON) LINAC ENGINEERING NOTES	
INDICATOR	(A NEW TYPE) WATER FLOW SWITCH AND INDICATOR UCID2350	M3340
INDICATOR	(THE STUDY OF) MAGNETO-OPTICS (AS APPLIED TO A) QUADRUPOLE	M3329
	MAGNET CENTER INDICATOR	110.043
INDUCTANCE	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, (APPROXIMATE)	M3261
	INDUCTANCE CALCULATION (FOR A MODIFIED) CONFORMAL H	•
	MAGNET	
INDUSTRIAL-TYPE	(UNATTENDED) INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS	M3206
	UCID2156	
INFLECTOR	(BEVATRON INJECTOR II, THE ALTERNATIVES SHOULD) INFLECTOR	M3118A
	MAGNET COIL IM-3 BECOME INOPERATIVE	

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

٦

đ .

INFORMATION	A TECHNICAL INFORMATION SYSTEM AND CURRENT-AWARENESS (MINNESOTA MINING AND MFG. CO.) MICROFORUM, (DECEMBER 6, 1963.)	M3253
INHOMOGENEOUS	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS	M3121
INJECTED	(BEVATRON INJECTOR II, INFLECTOR) CALCULATIONS (INVOLVING	M3132
10000100	THE) VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M 2 MAGNET	
INJECTED	(BEVATRON INJECTORII, INFLECTOR METHOD OF) RAISING OR	M3131
INJECIED	LOWERING THE INJECTED PROTON BEAM (BETWEEN I-M 1 AND I-M 2) MAGNETS	TCTCM
INJECTION	(ADVANCED ACCELERATOR) MAGNET SUPPORT BEAMS AND	M3243
INCOTION	FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV INJECTION, C AND H MAGNET LAYOUTS UCID2089	113243
INJECTOR	(ADVANCED ACCELERATOR) COST-ESTIMATES, INJECTOR,	M3246
INJECTOR	MECHANICAL HARDWARE AND ENGINEERING UCID2307	M5240
INJECTOR	(ADVANCED ACCELERATOR,) AGS LINAC INJECTOR, ACCELERATING	M3341
INJECTOR	WAVEGUIDE COSTS UCID2308	112241
INJECTOR	(BEVATRON) INJECTOR II BUNCHER	M3074
INDPERATIVE	(BEVATRON INJECTOR II, THE ALTERNATIVES SHOULD) INFLECTOR	M3118A
INUPERATIVE	MAGNET COLL IM-3 BECOME INOPERATIVE	MJIIOA
INORGANIC	(THIN, UNBACKED METAL AND OTHER) INOPERATIVE	M3107
INDRGANIC	TECHNIQUE FOR (THIN) INORGANIC FILM (PRODUCTION AND	M3105
INDROAMIC	MOUNTING)	
INDRGANIC-MATERIALS	INORGANIC-MATERIALS-RESEARCH, MECHANICAL-ENGINEERING,	M3274
	ASSISTANCE STATUS REPORT I	
INSPECTION	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION	M352
INSTALLATION	(CASCADE ISOTOPE-SEPARATOR) INSTALLATION (IN BUILDING 70,	M3090
	GENERAL PROBLEM STATEMENT)	
INSTALLATION	(CASCADE ISOTOPE-SEPARATOR,) INSTALLATION (BUILDING 70,	M3182
· · · · · · · · · · · · · · · · · · ·	WEIGHT OF ENTIRE PROJECT)	
INSTALLATION	(TOUR OF) COMPUTER INSTALLATION ZGS SYNCHROTRON, ARGONNE	M3373
	NATIONAL LABORATORY	
INSTALLATION	(30-INCH PROPANE CHAMBER, HYPERFRAGMENT EXPERIMENT) SAFETY	M3282
	OF EQUIPMENT AND INSTALLATION	
INSTALLING	(HEAVY ION ACCELERATOR) PROCEDURE FOR INSTALLING	M3100
	HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS	
INSTRUCTION	(BEVATRON) MG NO. 6 BEARING LUBRICATION INSTRUCTION	M3080
INSTRUCTIONS	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T LONG COIL	M3123A
	WINDING	
INSTRUCTIONS	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T SHORT COIL	M3136
	WINDING : INSTRUCTIONS	

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

a,

INSTRUCTIONS	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T TRAVELING TARGET OPERATING INSTRUCTIONS	M3139
INSTRUCTIONS	(BEVATRON, LOFGREN EXPERIMENT, MARCH 1963) OPERATING	M3004
· · · ·	INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN	
	CERENKOV COUNTER	
INSTRUCTIONS	(BEVATRON, MOYER EXPERIMENT, MAY 1963) OPERATING	M3055
	INSTRUCTIONS AND CHECK LIST 300 PSI SULFUR	
	HEXAFLUORIDE CERENKOV COUNTER	
INSTRUCTIONS	(MINUTES OF HYDROGEN SAFETY COMMITTEE, TENTATIVE SPECIFIC)	M3188A
7	INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS	
	(LOCATED IN CLOSED ROOMS)	
INSTRUCTIONS	SLAC-RESEARCH-GROUP (150 PSI) NITROGEN CERENKOV COUNTER,	M3356
	OPERATING INSTRUCTIONS	
INSTRUMENT	INSTRUMENT PACKAGE USING STEEL VESSEL (PRELIMINARY)	M3021
	INVESTIGATION	
INSULATING	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER	M3083
	COIL, HOSE-CONNECTION ADHESIVE TEST	
INTERLOCK	THE DALL-TUBE FLOW INTERLOCK, (A FIRST LOOK)	M3098
INTERLOCKING	INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES UCID1935	M3085
INTERLOCKS	(SOME) CRITERIA FOR FLOW INTERLOCKS UCID2231	M3183
INTERNAL	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, (REQUIRED)	M3295
	VACUUM PUMP (PERFORMANCE FOR MAKING) MAGNETS	
	INTERNAL TO VACUUM TANKS, PRELIMINARY STUDY	
INVESTIGATION	INSTRUMENT PACKAGE USING STEEL VESSEL (PRELIMINARY)	M3021
	INVESTIGATION	
INVESTIGATION	INVESTIGATION OF PERMATEX NUMBER 2 SEALING-COMPOUND AS	M3359
	VACUUM SEAL	
INVESTIGATION	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS	M3306
	FOR) MAGNET COILS (CONSTRUCTED OF) WATER-COOLED	
	CONDUCTOR, PROGRESS REPORT UCID2185	
ION	(BEVATRON INJECTOR II, INFLECTOR) CALCULATIONS (INVOLVING	M3132
	THE) VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT	
	I-M 2 MAGNET	
ION	(CASCADE ISOTOPE-SEPARATOR, REYNOLDS) ION SOURCE PROBE	M3153
	MANIPULATION MECHANISM	
IUN	IUN SOURCE, GASEOUS HEAT-CUNDUCTION	M3044
ION	ION SOURCE, NON-IONIZED GAS FLOW	M3039
ION	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM	M3023
ION	ION VACUUM PUMP (CHARACTERISTICS) UCID2183	M3305
ION	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES (TO GASES	M3099
	OTHER THAN AIR)	

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

IRIS	CONSTRUCTION (AND CHARACTERISTICS OF) SOLENOID MAGNET IRIS (5 IN. ID. 20 KG)	M3387
IRON-BOUND	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING	M3195
IRRADIATED	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND	M3372
INNAUTATED	OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND	
· · · ·	LAMINATED GLASS VACUUM WINDOWS	
IRRADIATION	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH).	M3129
	COST-ESTIMATE (BASED ON 1/8 SIZE MODEL)	
IRRADIATION	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), 184	M3297
10000000000	INCH CYCLOTRON ALPHA-BEAM STABILITY-STUDY	113271
IRRADIATION	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3301
	PATIENT POSITIONER (PRELIMINARY) PROPOSALS AND	113 3 4 2
	COST-ESTIMATES	
IRRADIATION	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3308B
	PATIENT POSITIONER DESIGN AND DEVELOPMENT	
IRRADIATION	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3307
	(FINAL) PROPOSALS AND COST ESTIMATES	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
IRRADIATION	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3323
	(ADDITIONAL) PROPOSAL AND COST-ESTIMATE	
ISOLATION	(70-KV) ISOLATION FIRING TRANSFORMER, (SELECTION OF)	M3196
	SELF-EXTINGUISHING EPOXY CASTING RESIN	
ISOLATION	NUCLEAR DEMAGNETIZATION CRYDSTAT, VIBRATION ISOLATION (AND	M3147
	APPLICATION OF) AIR MOUNTS UCID1988	
JIG-D-SEAL	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET UCID1890	M3035
JULTUS	COST-ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET	M3161
KLIXON	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET	M3391
	CONDUCTORS	
KLIXON	TESTING KLIXON THERMAL OVER-TEMPERATURE RELAYS IN A	M3193
	MAGNETIC FIELD	
LABORATORIES	AMERICAN VACUUM SOCIETY (SYMPOSIUM AT BOSTON, AND VISITS	M3178
	TO) BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES	
LABORATORY	(PORTABLE) BIOLOGICAL LABORATORY TRUCK CHASSIS	M349B
LABORATORY	(PORTABLE) BIOLOGICAL LABORATORY VAN BODY	M350B
LABORATORY	(RESULTS OF) FIELD-FREE LABORATORY CHILLER MODIFICATION	M3203
LABORATORY		M3373
	NATIONAL LABORATORY	
LAMINATED	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND	M3372
	OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND	
	LAMINATED GLASS VACUUM WINDOWS	
LAMINATION	(AUXILIARY) MAGNET (M4,) DESIGN OF YOKE LAMINATION BOLTS	M3103
	UCID2333	

٠

3

di 🖡 🕨

	(ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORT, RESONANT	M3304
	FREQUENCY AND LATERAL STIFFNESS OF PILE SYSTEMS	
LATERAL	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE,	M3398
-	FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF	
· · ·	PROPOSED DEEP PILE FOUNDATION UCID2349	
LAYOUTS	(ADVANCED ACCELERATOR) MAGNET SUPPORT BEAMS AND	M3243
•	FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV	
	INJECTION, C AND H MAGNET LAYOUTS UCID2089	
LEAD	A DEVICE (FOR RAPID AND THOROUGH) CHECKING OF LEAD SCREWS.	M3408
	UCID2362	
LEAK-TIGHTNESS	WEATHERHEAD H-9 HOSE AND BARB (VARIATIONS TO ALLOW EASY	M3280
	ASSEMBLY AND) LEAK-TIGHTNESS	
LEAKS	(88-INCH CYCLOTRON) DEE TANK (HISTORY OF REPAIRS TO) LEAKS	M3285
	IN MAIN VACUUM SEAL UCID2220	
LEANDER	(AUXILIARY) BENDING MAGNET LEANDER	M341C
LEAST-SQUARES	LEAST-SQUARES TECHNIQUE USING MATRICES	M3109
LEAST-SQUARES	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES	M3117
LIAISON	(TECHNICAL) LIAISON (BETWEEN UCURL MECHANICAL ENGINEERING	M3045
	DEPARTMENT AND) FABRICATOR UCID2151	
LIFTING	BLOCK LIFTING FIXTURE ARMS, (ADAPTER AND 1 1/2 INCH	M3186
	DIAMETER PIN)	
LIFTING	CONCRETE BLOCK LIFTING FIXTURE STRESSES UCID2205	M3041
LIFTING	HOOK-SUSPENDED LIFTING HARDWARE (SHAPES OF AREAS IN	M3115
	CONTACT WITH HOOK)	
LIFTING	MAGNET LIFTING FIXTURE CALCULATIONS	M3013
LIFTING-FRAME	(12QB AUXILIARY) MAGNETS, (SPECIAL) LIFTING-FRAME (FOR USE	M3220A
	IN) ASSEMBLY-BUILDING	
LINAC	(ADVANCED ACCELERATOR,) AGS LINAC INJECTOR, ACCELERATING	M3341
	WAVEGUIDE COSTS UCID2308	
LINAC	(BEVATRON INJECTOR II) LINAC, DRIFT-TUBE (REMOVAL AND	M3400
	REPLACEMENT) PROCEDURE	
LINAC	(BEVATRON) LINAC DRIFT-TUBE MAGNET COIL CORROSION-RATE	M3091
	TEST	
LINAC	(BEVATRON) LINAC SUPPORT-STANDS, STRESS ANALYSIS	M3116
LINAC	FLOW SWITCH (REPLACEMENT ON 102) LINAC DRIFT-TUBE COOLING	M3351
• •	CIRCUITS	
LINAC	INDEX TO (BEVATRON) LINAC ENGINEERING NOTES	M3215
LINAC	LINAC DEMINERALIZED WATER COOLING SYSTEM MAINTENANCE	M3108A
	CHECKLIST	
LINAC	LINAC DRIFT-TUBE MAGNETS, (DRAWING AND JOB ORDER NUMBERS)	M3214

- 6

* . .

÷

•

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

é

à

.¥ .≱.∋⊧

LIQUID	(MINUTES OF HYDROGEN SAFETY COMMITTEE, TENTATIVE SPECIFIC) INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS (LOCATED IN CLOSED ROOMS)	M3188A
LIQUID	(MODELING A) WATERFLOW ROTAMETER FOR LIQUID FREDN (SERVICE)	M3096
LIQUID	(UNATTENDED) INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS UCID2156	M3206
LIQUID	DISPERSIVE-POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS UCID2340	M3335
LIQUID	LIQUID DEUTERIUM TARGET FOR ARGONNE UCID2352	M3402
LIQUID	LIQUID HYDROGEN, HELIUM, AND DXYGEN STORAGE	M3133
LIQUID	LIQUID NITROGEN LEVEL CONTROL SYSTEM	M3050
LIQUID	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER	M3053
	PROPOSAL	11200
LIQUID	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH	M3111
CIGOID	MOST-FAVORABLE COPPER-FINS	197711
LIQUID	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL	M3014
LOAD-FACTOR	(HEAVY ION ACCELERATOR,) SHIELDING FOR 100 PER CENT	M3376
LUAD-PACIDA	LOAD-FACTOR, COST-ESTIMATE (FOR FIRST STAGE OF	OICCM
	CONSTRUCTION)	
LOAD-FACTOR	(HEAVY ION ACCELERATOR, SHIELDING FOR 100 PER CNT	M3375
LUAU-FACTOR	LOAD-FACTOR, COST-ESTIMATE	MJJAJ
LOCATION		M3211
	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, TOLERANCE ON COIL LOCATION UCID2141	
LOCK	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VITIL-T UTRAVELING TARGET AIR LOCK OPERATION	M3138
LOGARITHMIC		M3337
LOOPS	(HILAC 100 PCT DUTY FACTOR OPERATION,) COOLING WATER FLOW	M3097
	REQUIREMENTS FOR TUNING LOOPS	
LOW-CONDUCTIVITY	(RECOMMENDED CHANGES TO) LOW-CONDUCTIVITY WATER SYSTEMS (TO ACCOMODATE NEW LOADS.)	M3192
LOW-CONDUCTIVITY		M3112
LOW-POWER	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP (PHYSICAL) REALIGNMENT	M3048
LOW-PRESSURE		M3265
LOWERING	(BEVATRON INJECTORII, INFLECTOR METHOD OF) RAISING OR	M3131
CHLINEHO	LOWERING THE INJECTED PROTON BEAM (BETWEEN I-M 1 AND	FIJIJI
· .	I-M 2) MAGNETS	
	A DE C.R. DEMONETO	

1 . . ¹. . . .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

•

3

1. 4

LUBRICATION MACHINE	(BEVATRON) MG NO. 6 BEARING LUBRICATION INSTRUCTION (HEAVY ION ACCELERATOR, MECHANICAL ENGINEERING) ESTIMATE FOR MACHINE COOLING AND SHIELDING (AT VARIOUS)	M3080 M3070
MACHINE	DUTY-FACTORS (200-GEV) AGS MACHINE, PROGRAMS FOR DESIGNING MAGNETS (FOR MINIMUM) COST UCID2149	M3095
MACHINE	DIAZO PRINT MACHINE	M354
MACHINE-COMPONENTS		M3049
MACHINE-INSTALLATIO	MACHINE-INSTALLATION, REINFORCEMENT OF FLOOR (FOR ADDITIONAL LOADING)	M3051
MACHINE-INSTALLATIO	MACHINE-INSTALLATION, COST-ESTIMATE OF BUILDING-MODIFICATION	M3058
MAGNA	OPERATION OF MAGNA DISSOLVED DXYGEN (CONTENT) METER	M3124
MAGNEHELIC	THE MAGNEHELIC DIFFERENTIAL PRESSURE GAGE	M3249
MAGNET	(ADVANCED ACCELERATOR, A POSSIBLE) MAGNET ALIGNMENT SYSTEM	
	(AND ITS IMPLICATIONS UCID2018)	
MAGNET	(ADVANCED ACCELERATOR) MAGNET ENCLOSURE, (PRELIMINARY) COST-COMPARISON, (FOUR) DESIGNS FOR SITES	M3226
	(REQUIRING) DEEP FOUNDATIONS UCID2067 (ADVANCED ACCELERATOR) RING MAGNET SUPPORT BEAMS	
MAGNET	(ADVANCED ACCELERATOR) RING MAGNET SUPPORT BEAMS (PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND) VIBRATION FREQUENCY (FOR 100 FT AND 200FT BEAMS)	M3229
	UCID2138	
MAGNET	(ADVANCED ACCELERATOR) MAGNET RING SUPPORT BEAMS (220 FT LONG, A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS) UCID2139	M3230
MAGNET	(ADVANCED ACCELERATOR) MAIN-RING MAGNET (JANUARY 1964) COST-STUDY (CASES H2 AND H6)	M3238
MAGNET	(ADVANCED ACCELERATOR) MAGNET SUPPORT BEAMS AND FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV	M3243
MAGNET	INJECTION, C AND H MAGNET LAYOUTS UCID2089 (ADVANCED ACCELERATOR) SURVEY AND ALIGNMENT, (AN ECONOMICAL METHOD FOR) MONITORING MAGNET ALIGNMENT	M3237
MAGNET	(DURING) OPERATION (ADVANCED ACCELERATOR) MAGNET SUPPORT BEAMS AND FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV INJECTION, C AND H MAGNET LAYOUTS UCID2089	M3243
MAGNET	FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV INJECTION, C AND H MAGNET LAYOUTS UCID2089 (ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORTS,CROSS-SECTION PARAMETERS FOR BEAMS (8 FT TO 15 FT DEEP)	M3242

ы. Кул <u>(</u>

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

٠

Þ

* .

MAGNET	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, (LIST OF	M3257
	REQUIRED) DESIGN PARAMETERS	
MAGNET	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, (APPROXIMATE)	M3261
	INDUCTANCE CALCULATION (FOR A MODIFIED) CONFORMAL H	
	MAGNET	
MAGNET	(ADVANCED ACCELERATOR STUDY) BOOSTER SYNCHROTRON, MAGNET	M3258
4	ENCLOSURE, (MAGNET AND) VACUUM-SYSTEM COST-ESTIMATE,	
	ZERO-ORDER.	•
MAGNET	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, (APPROXIMATE)	M3261
	INDUCTANCE CALCULATION (FOR A MODIFIED) CONFORMAL H	
	MAGNET	
MAGNET	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, TOLERANCES (ON	M3259
	MAGNET UNIT)	113633
MAGNET	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS,	M3270
MAGNE I	· · · · ·	PI3210 -
· · · · ·	(THE ADVANTAGE OF CENTERING BEAM IN) TUNNEL, (WITH	
	THREE EXAMPLES)	
MAGNET	(ADVANCED ACCELERATOR,) NATURAL FREQUENCIES FOR MAIN-RING	M3283
	MAGNET SUPPORT BEAMS (DESCRIBED IN NOTE M3243.)	
MAGNET	(ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORT, RESONANT	M3304
	FREQUENCY AND LATERAL STIFFNESS OF PILE SYSTEMS	
MAGNET	(ADVANCED ACCELERATOR, INTERIM DISCUSSION,) MAGNET SUPPORT	M3319
	STRUCTURE (CONSIDERATIONS,)	
MAGNET	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS,	M3321
	(YEARLY DEFLECTION INCREASE DUE TO) CREEP AND	
	SHRINKAGE (FOR 1 AND 2 CELL BEAMS)	
MAGNET	(ADVANCED ACCELERATOR, INTERIM DISCUSSION,) MAGNET	M3320
	ENCLOSURE (GENERAL ARRANGEMENTS,)	
MAGNET	(ADVANCED ACCELERATOR,) REDUCING STRESS-VARIATION IN	M3326
	MAIN-RING MAGNET CORES (WITH LEGS AT ENDS.)	113 5 2 0
MAGNET	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT AND	M3360
HADNET	ENCLOSURE, TRANSIENT RESPONSE TO EARTHQUAKE (MOTION	MJJ00
	OF A CONTINUOUS) CONCRETE BEAM (93-FT. LONG ONE	
HAONET		
MAGNET	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MAGNET	M3390
	PARAMETER STUDY, JUNE 1964	
MAGNET	(AUXILIARY MAGNETS TO EXTERNAL PROTON BEAM M-5) MAGNET	M3177A
	DESIGN CALCULATIONS	
MAGNET	(AUXILIARY) BENDING MAGNET LEANDER	M341C
MAGNET	(AUXILIARY) MAGNET (M-6)	M364
MAGNET	(AUXILIARY) MAGNET (M-3V,) DESIGN CALCULATIONS	M3094
	·	

,

а Кария (

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

•

э •,

MAGNET	(AUXILIARY) MAGNET (M4,) DESIGN OF YOKE LAMINATION BOLTS UCID2333	M3103
MAGNET	(BEVATRON INJECTOR: II, THE ALTERNATIVES SHOULD) INFLECTOR	M3118A
MAGNET	(BEVATRON INJECTOR II, INFLECTOR) CALCULATIONS (INVOLVING THE) VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M 2 MAGNET	M3132
MAGNET	(BEVATRON) LINAC DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST	M3091
MAGNET	(BEVATRON) MAGNET CORE SURVEY COMPUTER PROGRAM	M3286
MAGNET	(CORRELATION OF) QUADRUPOLE FOCUSING MAGNET (CHARACTERISTICS)	M3371
MAGNET	(EXTERNAL BEAM) DEFLECTION MAGNET POLARITY UCID2337	M3327
MAGNET	(FOUR-POINT VERSUS THREE-POINT) FLOOR-LOADING FOR	M3056
MAGNET	(M-4) MAGNET VACUUM BEAM-TUBE STUDY (M-5 AUXILIARY) MAGNET COIL (M-6) MAGNET DESIGN CALCULATIONS UCID2336 (PREFERRED) MAGNET WATER HOSE (ASSEMBLY) UCID2331	M3016
MAGNET	(M-5 AUXILIARY) MAGNET COIL	M362A
MAGNET	(M-6) MAGNET DESIGN CALCULATIONS UCID2336	M3176A
MAGNET	(PREFERRED) MAGNET WATER HOSE (ASSEMBLY) UCID2331	M3047
MAGNET	(THE STUDY OF) MAGNETO-OPTICS (AS APPLIED TO A) QUADRUPOLE MAGNET CENTER INDICATOR	M3329
MAGNET	(18 INCH X 36 INCH LP) MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION	M3198
MAGNET	(18 X 60 H) MAGNET, DESIGN AND COST ESTIMATE UCID2129	M3275
MAGNET	(18 X 60, 8°INCH GAP) H MAGNET	M353
MAGNET	(184-INCH CYCLOTRON) PHYSICS CAVE (SHIELDING,) FORCE REQUIRED TO SLIDE MAGNET TURNTABLE AND SHIELDING BLOCKS	M3353A
MAGNET	(25-INCH HYDROGEN) BUBBLE-CHAMBER MAGNET, FIELD-MEASURING	M3224
MAGNET	(8 AND 12-INCH TYPE) QB QUADRUPOLE MAGNET COIL (ASSEMBLIES)	M348B
MAGNET	(8QB AND 12QB) QUADRUPOLE MAGNET COST (COMPARISON)	M3349
MAGNET	(88 INCH CYCLOTRON, NEW) MAGNET POWER SUPPLIES, COOLING UCID2224	M3250
MAGNET	(88-INCH CYCLOTRON) MAGNET TRIMMING COILS, COST ESTIMATE (FOR DEMONSTRATION OF) COMPUTER CONTROL (OF ADJUSTMENTS)	M3399
MAGNET	APPRAISAL OF MAGNET WATER-COOLING HOSES	M3208

....

)

MAGNET	BENDING MAGNET DESIGN CALCULATIONS UCID2228	M3316
MAGNET	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET	M3391
HADHET	CONDUCTORS	112221
MAGNET	BRUTUS STEERING MAGNET. COST (SUMMARY)	M3025
MAGNET	CALCULATIONS FOR PERMANENT MAGNET (USED IN) DRIVE CAPSULE	M3392
MAGNET	CENTER SECTION FOR 12-INCH APERTURE FOCUSING QUADRUPOLE	M3081
	TRIPLET MAGNET	
MAGNET	CONSTRUCTION (AND CHARACTERISTICS OF) SOLENDID MAGNET IRIS	M3387
54 	(5 IN. ID, 20 KG)	
MAGNET	COST-ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET	M3161
MAGNET	ELECTRICAL CONDUCTIVITY (VERSUS SIZE OF) MAGNET COOLING	M3256
	WATER HOSES	
MAGNET	FLOW SWITCH FOR (16-32-16-12INCH DIAMETER) FOCUSING	M3086
	QUADRUPOLE TRIPLET MAGNET	
MAGNET	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS	M3121
MAGNET	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS	M3306
	FOR) MAGNET COILS (CONSTRUCTED OF) WATER-COOLED	
	CONDUCTOR, PROGRESS REPORT UCID2185	
MAGNET MAGNET MAGNET MAGNET MAGNET	MAGNET COIL IMPULSE TESTING	M3191
MAGNET	MAGNET COST (GRAPHS): UCID2338	M3382
MAGNET	MAGNET LIFTING FIXTURE CALCULATIONS	M3013
MAGNET	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING	M3020
•	PROCEDURES	
MAGNET	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER	M3053
	PROPOSAL	
MAGNET	POWER SUPPLY FOR SUPERCONDUCTING MAGNET	M369
MAGNET	PROPERTIES (OF SEVERAL) EPOXY (FORMULAS FOR) VACUUM	M3022
	POTTING OF MAGNET COILS	
MAGNET	PULSED BENDING MAGNET	M367A
MAGNET	STEERING MAGNET III UCID2332	M3057
MAGNET	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON	M347
	826/FURANE D40 FORMULATION)	
MAGNET	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON 826 9	M358
	FURANE D40 FORMULATION)	
MAGNET	VACUUM IMPREGNATION OF MAGNET COILS WITH (LRL) EPOXY	M360A
	(FORMULATION NO. CT2E)	
MAGNET	VELOCITY SPECTROMETERS, (MARK V 4 INCHES X 12 INCHES)	M3102
	10-FOOT MAGNET	
MAGNET	8-INCH GAP (AUXILIARY) MAGNET	M368
MAGNETIC	(ADVANCED ACCELERATOR) EDDY CURRENTS (IN A ROUND)	M3358
	CONDUCTOR (DUE TO AN EXTERNAL) MAGNETIC FIELD	

N 1 N 1 N 1

1. I. I.

• •

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.

Э

a

	× ×	
MAGNETIC	(BEVATRON INJECTOR II) MAGNETIC FORCES ON©IM⇔3 POWER CABLES	M3010 =
MAGNETIC	(SUMMARY OF) MAGNETIC FIELD (DATA ON 18 X 36) HIGH-POWERED H MAGNETS	MT-184
MAGNETIC	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION	M352
MAGNETIC	TESTING KLIXON THERMAL OVER-TEMPERATURE RELAYS IN A MAGNETIC FIELD	M3193
MAGNETIC	THE ECONOMY OF (HIGH) MAGNETIC FIELDS IN THE DESIGN OF (LARGE) STEERING MAGNETS	M3219
MAGNETIC	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD (FORMULAE)	M3024
MAGNETITE	MAGNETITE OR HEMATITE HIGH®DENSITY (225 LBS/CF) CONCRETE SHIELDING®BLOCKS	M15B
MAGNETO-OPTICS	(THE STUDY OF) MAGNETO-OPTICS (AS APPLIED TO A) QUADRUPOLE MAGNET CENTER INDICATOR	M3329
MAGNETS	(ADVANCED ACCELERATOR) NORMAL C MAGNETS AND CONFORMAL H MAGNETS FOR MAIN-RING	M365
MAGNETS	(ADVANCED ACCELERATOR) NORMAL C MAGNETS AND CONFORMAL H MAGNETS FOR MAIN-RING	M365
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, (PRELIMINARY) SURVEY OF) DESIGN PROBLEMS UCID2145	M3154
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR (LENGTHS FOR FLAT) COILS (WITH RECTANGULAR SECTION) UCID2146	M3155
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR (LENGTHS FOR) SADDLE COILS (WITH RECTANGULAR SECTION) UCID2147	M3156
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, VANADIUM PERMENDUR POLE TIPS UCID2144	M3170 -
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, (PRELIMINARY COMPARISON OF) NORMAL H AND CONFORMAL MAGNETS UCID2143	M3181
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, (PRELIMINARY COMPARISON OF) NORMAL H AND CONFORMAL MAGNETS UCID2143	M3181
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, TOLERANCE ON COIL LOCATION UCID2141	M3211
MAGNETS	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING ENCLOSURE, PRECAST CURVED CONCRETE SHELL, (TOTAL) COST-ESTIMATE (FOR 2 AND 6 GEV INJECTION) C AND H MAGNETS	M3244

4

MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS (PRELIMINARY)	M3248
MACHETC	COST-ESTIMATE OF CORRECTING (MAGNETS)	M3254
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CURRENT-DENSITY IN CONFORMAL MAGNETS	M3234
MAGNETS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CURRENT-DENSITY	M3254
	IN CONFORMAL MAGNETS	
MAGNETS	(ADVANCED ACCELERATOR) BODSTER SYNCHROTRON, (REQUIRED)	M3295
	VACUUM PUMP (PERFORMANCE FOR MAKING) MAGNETS	
	INTERNAL TO VACUUM TANKS, PRELIMINARY STUDY	
MAGNETS	(AFFECT OF) SATURATION ON THE DESIGN OF GRADIENT FIELD	M3370
	MAGNETS	
MAGNETS	(BEVATRON INJECTORII, INFLECTOR METHOD OF) RAISING OR	M3131
	LOWERING THE INJECTED PROTON BEAM (BETWEEN I-M 1 AND	
	I-M 2) MAGNETS	
MAGNETS	(SUMMARY OF) MAGNETIC FIELD (DATA ON 18 X 36) HIGH-POWERED	MT-184
	HIMAGNETS	
MAGNETS	(12QB AUXILIARY) MAGNETS, (SPECIAL) LIFTING=FRAME (FOR USE	M3220A
	IN) ASSEMBLY-BUILDING	
MAGNETS	(200-GEV) AGS MACHINE, PROGRAMS FOR DESIGNING MAGNETS	M3095
	(FOR MINIMUM) COST UCID2149	
MAGNETS	(8 AND 12-INCH, TYPE QB) QUADRUPOLE MAGNETS, (FINAL)	M3061
	ASSEMBLIES	
MAGNETS	COST OF MAGNETS (DECEMBER 1962 - DECEMBER 1963) UCID 2341	M3383
MAGNETS	COST OF SUPERCONDUCTING MAGNETS	M3018
MAGNETS	DRIFT-TUBE QUADRUPOLE MAGNETS (EFFECTIVE LENGTH AND	M3043
	NONLINEARITY)	
MAGNETS	EXTERNAL BEAM MAGNETS, (FACTORS AFFECTING) ENERGY	M3363
	RESOLUTION	
MAGNETS	FIELD UNIFORMITY IN COIL-IN-GAP (TYPE) MAGNETS UCID1881	M3026
MAGNETS	FOCUSING MAGNETS (CENTER SECTION FOR 12°INCH APERTURE)	M359
. .	QUADRUPOLE TRIPLET HERO	
MAGNETS	LINAC DRIFT-TUBE MAGNETS, (DRAWING AND JOB ORDER NUMBERS)	M3214
MAGNETS	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP (PHYSICAL) REALIGNMENT	M3048
MAGNETS	MAGNETS, COILS, CONDUCTORS, (TRIP TO) PHELPS-DODGE,	M3079
	REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND	
	GENERAL-ELECTRIC-COMPANIES	
MAGNETS	THE ECONOMY OF (HIGH) MAGNETIC FIELDS IN THE DESIGN OF	M3219
	(LARGE) STEERING MAGNETS	
MAIN-MAGNET-RING		M3244
	CURVED CONCRETE SHELL, (TOTAL) COST-ESTIMATE (FOR 2	
	AND 6 GEV INJECTION) C AND H MAGNETS	

ν.

٠

<u>)</u>

۰.

MAIN-MAGNET-RING	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE	M3336
	FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL	
	BEAMS, BEAM-SIZES, (STRESSES, SPACING AND	
	DEFLECTION, COMMERCIAL) WF-BEAMS	
MAIN-MAGNET-RING	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE,	M3398
	FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF	
	PROPOSED DEEP PILE FOUNDATION UCID2349	
MAIN-RING	(ADVANCED ACCELERATOR) NORMAL C MAGNETS AND CONFORMAL H	M365
	MAGNETS FOR MAIN-RING	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, (PRELIMINARY	M3154
· · · · · · · · · · · · · · · · · · ·	SURVEY OF) DESIGN PROBLEMS UCID2145	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR	M3156
	(LENGTHS FOR) SADDLE COILS (WITH RECTANGULAR	*
MATAL DTNIC	SECTION) UCID2147	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR	M3155
	(LENGTHS FOR FLAT) COILS (WITH RECTANGULAR SECTION) UCID2146	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, VANADIUM	M3170
MAINTAING	PERMENDUR POLE TIPS UCID2144	MJ170
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, (PRELIMINARY	M3181
	COMPARISON OF) NORMAL H AND CONFORMAL MAGNETS	MJIUI
	UCID2143	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, TOLERANCE ON	M3211
	COIL LOCATION UCID2141	
MAINTRING	(ADVANCED ACCELERATOR) MAIN-RING MAGNET (JANUARY 1964)	M3238
	COST-STUDY CCASES H2 AND H6)	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNET	M3242
	SUPPORTS, CROSS-SECTION PARAMETERS FOR BEAMS (8 FT TO	
	15 FT DEEP)	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS (PRELIMINARY)	M3248
	COST-ESTIMATE OF CORRECTING (MAGNETS)	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CURRENT-DENSITY	M3254
	IN CONFORMAL MAGNETS	
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, (LIST OF	M3257
MATAL OTNO	REQUIRED) DESIGN PARAMETERS	N2250
MAIN-RING	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, TOLERANCES (ON	M3259
MAIN-RING	MAGNET UNIT) (ADVANCED ACCELERATOR) MAIN-RING MAGNET, (APPROXIMATE)	M3261
PRINTRING	INDUCTANCE CALCULATION (FOR A MODIFIED) CONFORMAL H	M3201
	AGNET	
	MADINE 1	

• s • •

٠

ė

MAIN-RING	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS, (THE ADVANTAGE OF CENTERING BEAM IN) TUNNEL, (WITH THREE EXAMPLES)	M3270
MAIN-RING	(ADVANCED ACCELERATOR,) NATURAL FREQUENCIES FOR MAIN-RING MAGNET SUPPORT BEAMS (DESCRIBED IN NOTE M3243.)	M3283
MAINTRING	(ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORT, RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE SYSTEMS	M3304
MAIN-RING	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS, (YEARLY DEFLECTION INCREASE DUE TO) CREEP AND SHRINKAGE (FOR 1 AND 2 CELL BEAMS)	M3321
MAIN-RING	(ADVANCED ACCELERATOR,) REDUCING STRESS-VARIATION IN MAIN-RING MAGNET CORES (WITH LEGS AT ENDS.)	M3326
MAIN-RING	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT AND ENCLOSURE, TRANSIENT RESPONSE TO EARTHQUAKE (MOTION OF A CONTINUOUS) CONCRETE BEAM (93-FT. LONG ONE CELL)	M3360
MAIN-RING	(200-GEV) AGS MAIN-RING VACUUM CHAMBER ESTIMATING OF MAXIMUM PRESSURE UCID2148	M3134
MAIN-RING	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11 AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT, AND 114 FT DIA.) STRUCTURES.	M3279
MAINTENANCE	LINAC DEMINERALIZED WATER COOLING SYSTEM MAINTENANCE CHECKLIST	M3108A
MAINTENANCE		M3020
MANIPULATION	(CASCADE ISOTOPE-SEPARATOR, REYNOLDS) ION SOURCE PROBE MANIPULATION MECHANISM	M3153
MATERIAL	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, MATERIAL AND WALL-THICKNESS OPTIMIZATION (FOR SIMPLIFIED) VACUUM CHAMBER UCID2363	M3292A
MATERIALS	(ADVANCED ACCELERATOR,) MAIN VACUUM-SYSTEM, (COMPARATIVE STUDY OF) CHAMBER MATERIALS	M3227
MATRICES	LEAST-SQUARES TECHNIQUE USING MATRICES	M3109
MATRICES	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES	M3117
MCLEOD	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE UCID2343	M3364
MEASUREMENT	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS	M3372

PAGE 50 ·

k i k

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

÷

4 *

à.

MEASUREMENT	MEASUREMENT OF SPEED OF AN OIL DIFFUSION PUMP SYSTEM (ACCORDING TO) AVS STANDARDS UCID2273	M3342
MEASURING-DEVICE	(88-INCH CYCLOTRON) DEFLECTOR, WATER-COOLED COPPER SEPTUM, WALL-THICKNESS MEASURING-DEVICE UCID2219	M3213
MEASURING-PROJECTOR	MEASURING-PROJECTOR, SPIRAL READER, FILM-TRANSPORT, AIR BEARING	M3405
MECHANICAL	(ADVANCED ACCELERATOR) COST-ESTIMATES, INJECTOR, MECHANICAL HARDWARE AND ENGINEERING UCID2307	M3246
MECHANICAL	(ADVANCED ACCELERATOR) COST-ESTIMATES EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING	M3247
MECHANICAL	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER	M3322A
MECHANICAL	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING SYSTEM	M3331
MECHANICAL	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING SYSTEM	M333l
MECHANICAL	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, A MECHANICAL TUNING SYSTEM FOR A CAVITY (TO BE TUNED FROM 50 MC TO 100 MC)	M3339
MECHANICAL-ENGINEER	INORGANIC-MATERIALS-RESEARCH, MECHANICAL-ENGINEERING, ASSISTANCE STATUS REPORT I	M3274
MECHANISM	(CASCADE ISOTOPE-SEPARATOR, REYNOLDS) ION SOURCE PROBE MANIPULATION MECHANISM	M3153
MEMBRANE	ANALYSIS (OF LONG RECTANGULAR) MEMBRANE VACUUM-JACKET WINDOWS	M3187
METALS	(CONFERENCE OF) AMERICAN SOCIETY FOR METALS, (LOS ANGELES, MARCH 16 TO 19, 1964)	M3288
METER	OPERATION OF MAGNA DISSOLVED OXYGEN (CONTENT) METER	M3124
METHANE	(2000 P S I) METHANE COUNTER, OPERATION CHECK-LIST AND PROCEDURE	M3151A
MG	(BEVATRON) MG NO. 6 BEARING LUBRICATION INSTRUCTION	M3080
MG	(REDUCTION OF) VIBRATION (CAUSED BY) MG SET	M3028
MICROFILM	MICROFILMING (STATE OF THE ART) NATIONAL MICROFILM ASSOCIATION (MEETING, SAN FRANCISCO, APRIL 30 TO MAY 2,1963)	M3184
MICROFILMING	MICROFILMING (STATE OF THE ART) NATIONAL MICROFILM ASSOCIATION (MEETING, SAN FRANCISCO, APRIL 30 TO MAY 2,1963)	M3184

1. 1. 1. 1. 1. 1. 1.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

Υ.

ŧ

MICROFORUM	A TECHNICAL INFORMATION SYSTEM AND CURRENT-AWARENESS (MINNESOTA MINING AND MFG. CO.) MICROFORUM, (DECEMBER 6, 1963.)	M3253
NOOTETAATAON		
	(RESULTS OF) FIELD-FREE LABORATORY CHILLER MODIFICATION	M3203
MOLECULAR	MOLECULAR FLOW (THROUGH HOT AND COLD) CONDUITS UCID2334	M3148
MOLECULAR-BEAM	MOLECULAR-BEAM REACTION-CHAMBER, COST-ESTIMATE (OF MECHANICAL) COMPONENTS	M3318
MOLECULAR-BEAM	MOLECULAR-BEAM REACTION-CHAMBER, (REVISED) COST-ESTIMATE	M3404
	(OF MECHANICAL) COMPONENTS	
MOMENTS	CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT, CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND REINFORCING-STEEL UCID2329	M3030 -
MONITORING	(ADVANCED ACCELERATOR) SURVEY AND ALIGNMENT, (AN	M3237
HUNZTOKING	ECONOMICAL METHOD FOR) MONITORING MAGNET ALIGNMENT	
	(DURING) OPERATION	
MOCTOCANONADIC		M3111
MOST-FAVORABLE	MOST-FAVORABLE COPPER-FINS	
MOTOR-GENERATOR-SET	(BEVATRON, MAGNET POWER SUPPLY) MOTOR-GENERATOR-SET	M3362A
	NATURAL FREQUENCY CALCULATIONS	
MOUNTS	NUCLEAR DEMAGNETIZATION CRYOSTAT, VIBRATION ISOLATION (AND	M3147
	APPLICATION OF) AIR MOUNTS UCID1988	
MOVABLE	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11	M3279
	AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE	
	SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT,	
	AND 114 FT DIA.) STRUCTURES.	
MOVEMENT	(18 INCH X 36 INCH LP) MAGNET, CROSSOVER BUNDLE COIL	M3198
MOVEMENT		10170
	MOVEMENT VS. EXCITATION	
MULTI-COORDINATE	(A MINIATURE) POSITIONING-UNIT FOR STABLE,	M3403
	MULTI-COORDINATE (APPLICATIONS) UCID2353	•
MULTI-ORIFICES	DESIGN AND FLOW TEST OF MULTI-ORIFICES IN SHUR-FLO SWITCHES	M3346
MULTIPULSING	(25-INCH HYDROGEN) BUBBLE-CHAMBER, MULTIPULSING TEST (DURING ENGINEERING RUN,) UCID2157	M3290
MYLAR	COLD DEEP-DRAWING OF PLASTIC FILMS, POLYESTER MYLAR AND	M3197
MILAN	POLYIMIDE H-FILM UCID2274	112121
HAVE A D		M3160
MYLAR	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES	
NATIONAL	MICROFILMING (STATE OF THE ART) NATIONAL MICROFILM	M3184
	ASSOCIATION (MEETING, SAN FRANCISCO, APRIL 30 TO MAY	
	2,1963)	

i. #

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.

ъ *і*_

٠

·		
NATURAL	(ADVANCED ACCELERATOR,) NATURAL FREQUENCIES FOR MAIN-RING	M3283
	MAGNET SUPPORT BEAMS (DESCRIBED IN NOTE M3243.)	
NATURAL	(BEVATRON, MAGNET POWER SUPPLY) MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS	M3362A
NATURAL	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS	M3194
NEON	A RECIRCULATOR AND PURIFIER FOR SPARK CHAMBER NEON GAS	M3352
NEON	CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE	M3278
NITROCELLULOSE	PRODUCTION OF THIN ORGANIC FILMS OF ZAPON NITROCELLULOSE	M3104
NITROGEN	(BEVATRON, LOFGREN EXPERIMENT, MARCH 1963) OPERATING	M3004
	INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN	
· • •	CERENKOV COUNTER	
NITROGEN	LIQUID NITROGEN LEVEL CONTROL SYSTEM	M3050
NITROGEN	SLAC-RESEARCH-GROUP (150 PSI) NITROGEN CERENKOV COUNTER,	M3356
	OPERATING & INSTRUCTIONS	115550
NON-DESTRUCTIVE	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION	M352
NON-IONIZED	ION SOURCE, NON-IONIZED GAS FLOW	M3039
NON-LINEAR	DIDDE CURCUITS FOR NON-LINEAR SIMULATION UCID2073	M3234
NORMAL	(ADVANCED ACCELERATOR) NORMAL C MAGNETS AND CONFORMAL H	M365
	MAGNETS FOR MAIN-RING	11305
NORMAL	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, (PRELIMINARY	M3181
	COMPARISON OF) NORMAL H AND CONFORMAL MAGNETS	112202
	UCID2143	
NUCLEAR	NUCLEAR DEMAGNETIZATION CRYOSTAT: VIBRATION ISOLATION (AND	M3147
	APPLICATION OF) AIR MOUNTS UCID1988	
NUMBERING	(184-INCH CYCLOTRON) SHIELDING BLOCKS, REVISED NUMBERING	M3325
	SYSTEM	
NUMBERING	ENGINEERING NOTE AND SPECIFICATION NUMBERING SYSTEM	M3228A
D-RING	O-RING VACUUM SEALS, J (MORGRIP) GROOVE DESIGN	M3175A
D-RINGS	J GROOVE FOR O-RINGS TOOL GAGE AND GROOVE DESIGN (SHEET)	M361A
OFHC	RADIO-FREQUENCY RESISTIVITY OF (ROUGH) OFHC COPPER AT 140	M3366
	MC	
OIL	-	M3276A
	REACTOR COOLING OIL	
OIL	MEASUREMENT OF SPEED OF AN OIL DIFFUSION PUMP SYSTEM	M3342
	(ACCORDING TO) AVS STANDARDS UCID2273	113372
DPERATING	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T TRAVELING	M3139
OI ERATING	TARGET OPERATING INSTRUCTIONS	
OPERATING	(BEVATRON, LOFGREN EXPERIMENT, MARCH 1963) OPERATING	M3004
Grewings E 2110	INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN	
	CERENKOV COUNTER	
	CENEMACY COUNTEN	

i . . .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

6.

•

OPERATING	(BEVATRON, MOYER EXPERIMENT, MAY 1963) OPERATING INSTRUCTIONS AND CHECK LIST 300 PSI SULFUR HEXAFLUORIDE CERENKOV COUNTER	M3055
OPERATING	(1-1/4-DIAX-3-1/8-LG.) HYDROGEN GAS TARGET OPERATING PROCEDURE	M3251
OPERATING	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER, (LOFGREN GROUP) OPERATING CHECK LIST, PROCEDURE AND PRESSURE TEST	M3355
OPERATING	SLAC-RESEARCH-GROUP (150 PSI) NITROGEN CERENKOV COUNTER, OPERATING INSTRUCTIONS	M3356
OPERATING-INSTRUCTI	DESCRIPTION AND) OPERATING-INSTRUCTIONS	M3067
OPERATION	(ADVANCED ACCELERATOR) SURVEY AND ALIGNMENT, (AN ECONOMICAL METHOD FOR) MONITORING MAGNET ALIGNMENT (DURING) OPERATION	M3237
OPERATION	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIIII-T TRAVELING TARGET AIR LOCK OPERATION	M3138
OPERATION	(BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT.) HYDROGEN GAS TARGET, OPERATION CHECK LIST AND PRESSURE TEST	M3221
OPERATION	(2000 P S I) METHANE COUNTER, OPERATION CHECK-LIST AND PROCEDURE	M3151A
OPERATION	OPERATION OF MAGNA DISSOLVED OXYGEN (CONTENT) METER	M3124
OPERATION	SAFETY-REQUIREMENTS FOR 25-INCH HYDROGEN AND 30-INCH PROPANE BUBBLE-CHAMBER (COMBINED) OPERATION (SPRING 1964) UCID2209	M3209
OPERATION	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE UCID2343	M3364
OPTICAL	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS	M3372
OPTICAL	HEATING AND COOLING (OF LARGE) OPTICAL GLASS PARTS UCID2347	M3386
OPTICAL	OPTICAL BENCH RIGIDITY	M3152
OPTICAL	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL SYSTEM	M3231
OPTICAL-SYSTEM	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM	M3029
OPTICS	COATED OPTICS, HANDLING AND CLEANING OF	M3149
OPTIMIZATION	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, MATERIAL AND WALL-THICKNESS OPTIMIZATION (FOR SIMPLIFIED) VACUUM CHAMBER UCID2363	M3292A
DRGANIC	PRODUCTION OF THIN ORGANIC FILMS OF ZAPON NITROCELLULOSE	M3104
OUTGASSING	(MEASUREMENT OF) VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY (FORMULATIONS)	M3357A

٠

ε.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

\$.

Ì.

OVER-TEMPERATUREBIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORSOVER-TEMPERATURETESTING KLIXON THERMAL OVER-TEMPERATURE RELAYS IN A MAGNETIC FIELDOXYGENLIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE OPERATION OF MAGNA DISSOLVED OXYGEN (CONTENT) METER PACKAGEPACKAGEINSTRUMENT PACKAGE USING STEEL VESSEL (PRELIMINARY) INVESTIGATIONPAD(25-INCH) BUBBLE-CHAMBER, (DETERMINATION OF FINAL) GASKET, BEARING PAD, (DIMENSIONS)PARALLEL-PLATEPARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS.PARAMETER(ADVANCED ACCELERATOR) BODSTER SYNCHROTRON MAGNET PARAMETER STUDY, JUNE 1964	M3391 M3193 M3133 M3124 M3021 M3101 M3368 M3390 M3242
MAGNETIC FIELD OXYGEN LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE OXYGEN DPERATION OF MAGNA DISSOLVED OXYGEN (CONTENT) METER PACKAGE INSTRUMENT PACKAGE USING STEEL VESSEL (PRELIMINARY) INVESTIGATION PAD (25-INCH) BUBBLE-CHAMBER, (DETERMINATION OF FINAL) GASKET, BEARING PAD, (DIMENSIONS) PARALLEL-PLATE PARALLEL-PLATE PARALLEL-PLATE PARAMETER (ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MAGNET PARAMETER STUDY, JUNE 1964	M3133 M3124 M3021 M3101 M3368 M3390
OXYGENOPERATION OF MAGNA DISSOLVED OXYGEN (CONTENT) METERPACKAGEINSTRUMENT PACKAGE USING STEEL VESSEL (PRELIMINARY) INVESTIGATIONPAD(25-INCH) BUBBLE-CHAMBER, (DETERMINATION OF FINAL) GASKET, BEARING PAD, (DIMENSIONS)PARALLEL-PLATEPARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS.PARAMETER(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MAGNET PARAMETER STUDY, JUNE 1964	M3124 M3021 M3101 M3368 M3390
PACKAGEINSTRUMENT PACKAGE USING STEEL VESSEL (PRELIMINARY) INVESTIGATIONPAD(25-INCH) BUBBLE-CHAMBER, (DETERMINATION OF FINAL) GASKET, BEARING PAD, (DIMENSIONS)PARALLEL-PLATEPARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS.PARAMETER(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MAGNET PARAMETER STUDY, JUNE 1964	M3021 M3101 M3368 M3390
INVESTIGATION PAD (25-INCH) BUBBLE-CHAMBER, (DETERMINATION OF FINAL) GASKET, BEARING PAD, (DIMENSIONS) PARALLEL-PLATE PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS. PARAMETER (ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MAGNET PARAMETER STUDY, JUNE 1964	M3101 M3368 M3390
BEARING PAD, (DIMENSIONS) PARALLEL-PLATE PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE PARAMETER (ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MARAMETER PARAMETER STUDY, JUNE 1964	M3368 M3390
POLISHING PROCEDURE FOR PARTS. PARAMETER (ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MAGNET PARAMETER STUDY, JUNE 1964	M3390
PARAMETER STUDY, JUNE 1964	
	M3242
SUPPORTS, CROSS-SECTION PARAMETERS FOR BEAMS (8 FT TO 15 FT DEEP)	
PARAMETERS (ADVANCED ACCELERATOR) MAIN-RING MAGNET, (LIST OF REQUIRED) DESIGN PARAMETERS	M3257
PARKER VACUUM TEST OF A PARKER JIG-O-SEAL GASKET UCID1890	M3035
PARTICLE NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION	M352
PATIENT IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), PATIENT POSITIONER (PRELIMINARY) PROPOSALS AND	M3301
COST-ESTIMATES	
PATIENT IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), PATIENT POSITIONER DESIGN AND DEVELOPMENT	M3308E
PATTERN (BEVATRON INJECTOR II) BEAM PATTERN, SOME PRELIMINARY CALCULATIONS	M3003
PERFORMANCE (CONSTRUCTION AND) PERFORMANCE TESTS (OF 2-1/2 IN. ID, 36 KG) SUPERCONDUCTING COIL	M3388
PERFORMANCE PERFORMANCE TEST OF A CHA-INDUSTRIES 6-INCH (HIGH) VACUUM PUMPING (SYSTEM) UCID2345	M3389
PERIODIC THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS UCID2155	M3236
PERMANENT CALCULATIONS FOR PERMANENT MAGNET (USED IN) DRIVE CAPSULE	M3392
PERMATEX INVESTIGATION OF PERMATEX NUMBER 2 SEALING-COMPOUND AS VACUUM SEAL	M3359
PERMENDUR (ADVANCED ACCELERATOR) MAIN-RING MAGNETS, VANADIUM PERMENDUR POLE TIPS UCID2144	M3170
PHELPS-DODGE MAGNETS, COILS, CONDUCTORS, (TRIP TO) PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC-COMPANIES	M3079

4

λ κ λ

PHYSICAL	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS	M3372
PHYSICS	(184-INCH CYCLOTRON) PHYSICS CAVE SHIELDING COST REASSESSMENT	M3031
PHYSICS	(184-INCH CYCLOTRON) PHYSICS CAVE SHIELDING COST REASSESSMENT	M3142A
PHYSICS	(184-INCH CYCLOTRON) PHYSICS CAVE (SHIELDING,) FORCE REQUIRED TO SLIDE MAGNET TURNTABLE AND SHIELDING BLOCKS	M3353A
PHYSICS	PHYSICS CAVE SHIELDING COST (STEEL) UCID2187	M3223
PHYSICS	PHYSICS CAVE SHIELDING COST (STEEL) UCID2186	M3222
PILE	(ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORT, RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE SYSTEMS	M3304
PILE	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE,	M3398
	FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF	
	PROPOSED DEEP PILE FOUNDATION UCID2349	
PLASTIC	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND	M3372
	OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND	
	LAMINATED GLASS VACUUM WINDOWS	
PLASTIC	COLD DEEP-DRAWING OF PLASTIC FILMS, POLYESTER MYLAR AND	M3197
	POLYIMIDE H-FILM UCID2274	
PLASTIC	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS	M3306
	FOR) MAGNET COILS (CONSTRUCTED OF) WATER-COOLED	
	CONDUCTOR, PROGRESS REPORT UCID2185	
PLATE	(BEVATRON, REMAINDER OF) HEPPENSTAHL ARMOR PLATE STEEL	M3076
	SHIELDING FORGINGS	
PLATE	(184-INCH CYCLOTRON) STEEL PLATE SHIELDING	M3245
PLATFORM	WEST-OUTSIDE-RADIUS TANGENT AREA PLATFORM, REINFORCEMENT.	M3207
· · · · ·	(BEVATRON)	
PLOTTER	FORTRAN PROGRAMING SUBROUTINE FOR PLOTTING LOGARITHMIC	M3337
	GRID-LINES FOR THE CAL-COMP PLOTTER	
PLOTTING	FORTRAN PROGRAMING SUBROUTINE FOR PLOTTING LOGARITHMIC	M3337
01 (1)10 55	GRID-LINES FOR THE CAL-COMP PLOTTER	NO 2004
PLUNGER	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM,	M3322A
OF UNCED	VIBRATION IN THE MECHANICAL TUNING PLUNGER (BEVATRON, EAST-INSIDE-SOUTH) HYDRAULIC CLIPPER PLUNGER	M3036
PLUNGER		
PLUNGING	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES	M3020
	(EXTERNAL BEAM) DEFLECTION MAGNET POLARITY UCID2337	M3327
FULANITI .	(EATERINAL DEAM) DEFLECTION MAGNET FULARITE OUTD2001	P13321 -

8 a a a

8 8 8 8 8 9 8

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

•

٠

.

POLE	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, VANADIUM PERMENDUR POLE TIPS UCID2144	M3170
POLE-TIP	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP (PHYSICAL) REALIGNMENT	M3048
POLE-TIPS	ALPHA-PARTICLE SPECTROGRAPH-II, COST-ESTIMATE (FOR NEW SET OF) POLE-TIPS	M3157
POLISHING	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS.	M3368
POLYESTER	COLD DEEP-DRAWING OF PLASTIC FILMS, POLYESTER MYLAR AND POLYIMIDE H-FILM UCID2274	M3197
POLYESTER	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES	M3160
POLYIMIDE	COLD DEEP-DRAWING OF PLASTIC FILMS, POLYESTER MYLAR AND POLYIMIDE H-FILM UCID2274	M3197
POLYNOMIAL	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES	M3117
POSITIONER	(25-INCH HYDROGEN) BUBBLE-CHAMBER MAGNET, FIELD-MEASURING	M3224
FUSITIONER	COLE POSITIONER, PRECISION OF SEARCH-COIL (LOCATION AND MOVEMENT) UCID2162	MJ224
POSITIONER	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), PATIENT POSITIONER (PRELIMINARY) PROPOSALS AND COST-ESTIMATES	M3301
POSITIONER	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), PATIENT POSITIONER DESIGN AND DEVELOPMENT	M3308B
POSITIONING-UNIT	(A MINIATURE) POSITIONING-UNIT FOR STABLE, MULTI-COORDINATE (APPLICATIONS) UCID2353	M3403
POST-STRIPPER	(HILAC) HEATING OF POST-STRIPPER DRIFT-TUBE STEM BELLOWS (AND METHODS OF) COOLING.	M3354
POTTING	PROPERTIES (OF SEVERAL) EPOXY (FORMULAS FOR) VACUUM POTTING OF MAGNET COILS	M3022
POWER	(BEVATRON INJECTOR II) MAGNETIC FORCES ON IM-3 POWER CABLES	M3010
POWER	(88 INCH CYCLOTRON, NEW) MAGNET POWER SUPPLIES, COOLING UCID2224	M3250
POWER	POWER SUPPLY FOR SUPERCONDUCTING MAGNET	M369
POWER-DISSIPATION		M3066
POWER-DISSIPATION		M3064

ار تر محمد و ال

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

4

y i

POWER-SUPPLIES	INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES UCID1935	M3085
PRE-STRIPPER	(HEAVY ION ACCELERATOR) PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS	M3100 -
PRE-STRIPPER	(HILAC, 100 PCT) DUTY-FACTOR (OPERATION) PRE-STRIPPER DRIFT+TUBE GRIP (TEMPERATURES)	M3068
PRECAST	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING ENCLOSURE, PRECAST	M3244
· .	CURVED CONCRETE SHELL, (TOTAL) COST-ESTIMATE (FOR 2 AND 6 GEV INJECTION) C AND H MAGNETS	
PRECISION	(25-INCH HYDROGEN) BUBBLE-CHAMBER MAGNETS	M3224
THE CLOLON	COIL POSITIONER, PRECISION OF SEARCH-COIL (LOCATION	113227
	AND MOVEMENT) UCID2162	
PREPARATION	PROCEDURE FOR THE PREPARATION OF CARBON FILMS (DF	M3106
00555110 <i>5</i>	INTERMEDIATE THICKNESS)	42203
PRESSURE	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, ESTIMATING OF MAXIMUM PRESSURE UCID2150	M3281
PRESSURE	(BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT.) HYDROGEN	M3221
TRESSORE	GAS TARGET, OPERATION CHECK LIST AND PRESSURE TEST	COLL.
PRESSURE	(200-GEV) AGS MAIN-RING VACUUM CHAMBER ESTIMATING OF	M3134
	MAXIMUM PRESSURE UCID2148	
PRESSURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER, (LOFGREN GROUP)	M3355
	OPERATING CHECK LIST, PROCEDURE AND PRESSURE TEST	
PRESSURE	SHIM DRAWING OF THIN PRESSURE VESSEL (6 INCH DIAMETER X	M3235
	.005 INCH THICK) TORISPHERICAL 5052 ALUMINUM ALLOY	
	HEADS UCID2276	
PRESSURE	THE MAGNEHELIC DIFFERENTIAL PRESSURE GAGE	M3249
PRESSURIZATION	CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE	M3278
PRESTRIPPER	PRESTRIPPER TANK GRILL COOLING (REQUIREMENTS AT) 100 PER CENT DUTY CYCLE	M3409
PRINCETON	(1964) CARTER, PRINCETON (SEMINAR.) SOLVING TEMPERATURE	M3384
	PROBLEMS WITH THERMOELECTRICS UCID2346	
PRINT	DIAZO PRINT MACHINE	M354
PROBE	(CASCADE ISOTOPE-SEPARATOR, REYNOLDS) ION SOURCE PROBE MANIPULATION MECHANISM	M3153
PROCEDURE		M3400
PROCEDURE	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T STRAIGHT TO	M3137
- AUGEDUNE	CURVED ASSEMBLY PROCEDURE	1 1 m A m F
PROCEDURE	(HEAVY ION ACCELERATOR) PROCEDURE FOR INSTALLING	M3100 -
	HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS	
PROCEDURE	(1-1/4-DIAX-3-1/8-LG.) HYDROGEN GAS TARGET OPERATING	M3251
	PROCEDURE	

i i 1 1 1 1 1

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

•

n ý i e

PROCEDURE	(2000 P S I) METHANE COUNTER, OPERATION CHECK-LIST AND PROCEDURE	M3151A
PROCEDURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER, (LOFGREN GROUP) OPERATING CHECK LIST, PROCEDURE AND PRESSURE TEST	M3355
PRDCEDURE	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS.	M3368
PROCEDURE	PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS)	M3106
PROCEDURE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE	M3210
PROCEDURES	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES	M3020
PRODUCTION	CONSULTATION-TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION	M3204
PRODUCTION	PRODUCTION OF THIN ORGANIC FILMS OF ZAPON NITROCELLULOSE	M3104
PROGRAM	(BEVATRON) MAGNET CORE SURVEY COMPUTER PROGRAM	M3286
PROGRAMING	FORTRAN PROGRAMING SUBROUTINE FOR PLOTTING LOGARITHMIC GRID-LINES FOR THE CAL-COMP PLOTTER	M3337
PROGRAMMED-INSTRUCT	SUPPLEMENTARY NOTES TO) IBM FORTRAN PROGRAMMED-INSTRUCTION-COURSE	M3393-4
PROGRAMS	(CURRENT LIST OF) DIGITAL COMPUTER PROGRAMS UCID2278	M3347
PROGRAMS	(200-GEV) AGS MACHINE, PROGRAMS FOR DESIGNING MAGNETS (FOR MINIMUM) COST UCID2149	M3095
PROGRESS	(CASCADE ISOTOPE SEPARATOR, REYNOLDS,) PROGRESS REPORT NUMBER 7	M3315
PROGRESS	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS FOR) MAGNET COILS (CONSTRUCTED OF) WATER-COOLED	M3306
• •	CONDUCTOR, PROGRESS REPORT UCID2185	-
PROGRESS-REPORT	(CASCADE ISOTOPE SEPARATOR, REYNOLDS) PROGRESS-REPORT NO. 5	M3190 -
PROPANE	SAFETY-REQUIREMENTS FOR 25-INCH HYDROGEN AND 30-INCH PROPANE BUBBLE-CHAMBER (COMBINED) OPERATION (SPRING 1964) UCID2209	M3209
PROPERTIES	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING SYSTEM	M3331
PROPERTIES	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS	M3372
PROPERTIES	PROPERTIES (OF SEVERAL) EPOXY (FORMULAS FOR) VACUUM POTTING OF MAGNET COILS	M3022

* * *

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

è

PROPOSAL	A PROPOSAL (FOR FUTURE REPLACEMENT OF) ANALOG COMPUTER	M3271
PROPOSAL	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3323
	(ADDITIONAL) PROPOSAL AND COST-ESTIMATE	
PROPOSAL	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER	M3053
	PROPOSAL	
PROPOSAL	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL	M3014
PROPOSALS	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3301
•	PATIENT POSITIONER (PRELIMINARY) PROPOSALS AND	
	COST-ESTIMATES	
PROPOSALS	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH),	M3307
	(FINAL) PROPOSALS AND COST ESTIMATES	
PROPOSALS	PROPOSALS FOR AN ANALOG COMPUTER (INSTALLATION)	M3088
PROPOSED	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE,	M3398
	FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF	
	PROPOSED DEEP PILE FOUNDATION UCID2349	
PROPOSED	(HEAVY ION ACCELERATOR) PROPOSED ACCELERATOR IMPROVEMENTS	M3167B
	(FOR FY 1964)	
PROPOSED	(HEAVY ION ACCELERATOR) PROPOSED IMPROVEMENTS,	M3262
	COST-ESTIMATES FOR TARGET-AREAS	110 X (CD
PROPOSED	(184 INCH CYCLOTRON) PROPOSED ACCELERATOR IMPROVEMENTS	M3165B
2222252	(FOR FY 1964)	
PROPOSED	(184-INCH CYCLOTRON) PROPOSED IMPROVEMENTS, CENTER REGION	M3300
PROPOSED	STUDIES COST-ESTIMATES	43313
PRUPUSED		M3313
80000CC0	IMPROVEMENTS (PRELIMINARY)	42314
PROPOSED	(184-INCH CYCLOTRON) PROPOSED ACCELERATOR IMPROVEMENTS,	M3 31 4
DD DD DS ED	(FY 1966 PRELIMINARY) (88-INCH CYCLOTRON,) PROPOSED ACCELERATOR IMPROVEMENTS	M3166C
PROPOSED	(FOR FY 1964) UCID2229	M3100C
PROTON	(BEVATRON INJECTORII, INFLECTOR METHOD OF) RAISING OR	M3131
PRUTUN	LOWERING THE INJECTED PROTON BEAM (BETWEEN I-M 1 AND	MJIJI
	I-M 2) MAGNETS	
PULSE-LINE		M3067
PULSE-LINE	DESCRIPTION AND) OPERATING-INSTRUCTIONS	10001
PULSED	PULSED BENDING MAGNET	M367A
PUMP	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, (REQUIRED)	M3295
FURF	VACUUM PUMP (PERFORMANCE FOR MAKING) MAGNETS	
	INTERNAL TO VACUUM TANKS, PRELIMINARY STUDY	
PUMP	ION VACUUM PUMP (CHARACTERISTICS) UCID2183	M3305
PUMP	MEASUREMENT OF SPEED OF AN OIL DIFFUSION PUMP SYSTEM	M3342
	(ACCORDING TO) AVS STANDARDS UCID2273	5 1 <i>at at</i> 5 C .
	THEORETHE TOT AT STRUCTURES COLORETS	

4 9 2 8

. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

÷,

*

PUMP PUMPING	TITANIUM SUBLIMATION VACUUM PUMP UCID2221 (ADVANCED ACCELERATOR,) EVALUATION OF (PROPOSED) VACUUM	M3255 M3269A
PUMPING	PUMPING SYSTEMS UCID2128 PERFORMANCE TEST OF A CHA-INDUSTRIES 6-INCH (HIGH) VACUUM PUMPING (SYSTEM) UCID2345	M3389
PURIFIER QB	A RECIRCULATOR AND PURIFIER FOR SPARK CHAMBER NEON GAS (8 AND 12-INCH TYPE) QB QUADRUPOLE MAGNET COIL	M3352 M348B
QUADRANT	(ASSEMBLIES) (BEVATRON MAGNET CORE) DESIGN AND TEST OF 3-SECTOR STANCHION, QUADRANT II, 89 DEGREE AREA	M3042
QUADRUPOLE	(CORRELATION OF) QUADRUPOLE FOCUSING MAGNET (CHARACTERISTICS)	M3371
QUADRUPOLE	(THE STUDY OF) MAGNETO-OPTICS (AS APPLIED TO A) QUADRUPOLE MAGNET CENTER INDICATOR	M3329
QUADRUPOLE	(8 AND 12-INCH TYPE) QB QUADRUPOLE MAGNET COIL (ASSEMBLIES)	M348B
QUADRUPOLE	(8 AND 12-INCH, TYPE QB) QUADRUPOLE MAGNETS, (FINAL) ASSEMBLIES	M3061
QUADRUPOLE QUADRUPOLE	(8QB AND 12QB) QUADRUPOLE MAGNET COST (COMPARISON) CENTER SECTION FOR 12-INCH APERTURE FOCUSING QUADRUPOLE	M3349 M3081
QUADRUPOLE	TRIPLET MAGNET DRIFT-TUBE QUADRUPOLE MAGNETS (EFFECTIVE LENGTH AND	M3043
QUADRUPOLE	NONLINEARITY) FLOW SWITCH FOR (16-32-16-12INCH DIAMETER) FOCUSING QUADRUPOLE TRIPLET MAGNET	M3086
QUADRUPOLE	FOCUSING MAGNETS (CENTER SECTION FOR 12°INCH APERTURE) QUADRUPOLE TRIPLET HERO	M359
QUADRUPOLE		M3048
RADIATION	(DEPENDENCE OF) RADIATION HEAT-TRANSFER ON HEAT SHIELD (SPACING)	M3034
RADIO-FREQUENCY		M3365
RADIO-FREQUENCY		M3381
RADIO-FREQUENCY		M3366
RADIOISOTOPE RADIOISOTOPE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL SYSTEM	M3029 M3231

* * *

* 6

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

ъ

* .

...

à,

RAILS	COST-ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET	M3161
RAISING	(BEVATRON INJECTORII, INFLECTOR METHOD OF) RAISING OR	M3131
•	LOWERING THE INJECTED PROTON BEAM (BETWEEN: I-M 1 AND	
	I-M 2) MAGNETS	
REACTION-CHAMBER	MOLECULAR-BEAM REACTION-CHAMBER, COST-ESTIMATE (OF	M3318
	MECHANICAL) COMPONENTS	
REACTION-CHAMBER	MOLECULAR-BEAM REACTION-CHAMBER, (REVISED) COST-ESTIMATE	M3404
	(OF MECHANICAL) COMPONENTS	
REACTIONS	CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT,	M3030 -
• · · ·	CENTER-DF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND	
	REINFORCING-STEEL UCID2329	
REACTOR	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC,	M3276A
	REACTOR COOLING OIL	
READER	MEASURING-PROJECTOR, SPIRAL READER, FILM-TRANSPORT, AIR	M3405
	BEARING	
REALIGNMENT	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP (PHYSICAL)	M3048
	REALIGNMENT	
REASSESSMENT	(184-INCH CYCLOTRON) PHYSICS CAVE SHIELDING COST	M3031
	REASSESSMENT	
REASSESSMENT	(184-INCH CYCLOTRON) PHYSICS CAVE SHIELDING COST	M3142A
	REASSESSMENT	
RECIRCULATOR	A RECIRCULATOR AND PURIFIER FOR SPARK CHAMBER NEON GAS	M3352
REDUCING	(ADVANCED ACCELERATOR,) REDUCING STRESS-VARIATION IN	M3326
	MAIN-RING MAGNET CORES (WITH LEGS AT ENDS.)	
REGENERATIVE	(88-INCH CYCLOTRON) REGENERATIVE DEFLECTION-SYSTEM	M3380A
	(DESCRIPTION AND) COST-ESTIMATE	
REGION	(184-INCH CYCLOTRON) PROPOSED IMPROVEMENTS, CENTER REGION	M3300
	STUDIES COST-ESTIMATES	
REGULATING-TUBE	GOVERNING EQUATIONS FOR 5831 REGULATING-TUBE	M3001A
S FRIDA TI ON	SHOCK-ABSORBER	
REGULATION	(IMPROVED) TEMPERATURE REGULATION FOR SPECTROMETER	M3119
REINFORCEMENT	MACHINE-INSTALLATION, REINFORCEMENT OF FLOOR (FOR	M3051
	ADDITIONAL LOADING)	
REINFORCEMENT	WEST-OUTSIDE-RADIUS TANGENT AREA PLATFORM, REINFORCEMENT.	M3207
	(BEVATRON)	***
REINFURCING-SIEEL	CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT,	M3030 -
	CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND	
OCTNEODOTNO OTCO	REINFORCING-STEEL UCID2329	42027
REINFORCING-STEEL	SHIELDING THROUGH WALL AT BACKSTOP, CALCULATIONS FOR	M3037
	REINFORCING-STEEL IN SUPPORT SLAB (UCID2330)	

*

۰.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.

•

÷

RELAYS	TESTING KLIXON THERMAL OVER-TEMPERATURE RELAYS IN A MAGNETIC FIELD	M3193
RELIABILITY	(TECHNICAL MEETING 12-11-63) CALCULATING RELIABILITY FOR ENGINEERING DEVICES	M3273
REPLACING	COST-ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET	M3161
REPORT	(CASCADE ISOTOPE SEPARATOR, REYNOLDS,) PROGRESS REPORT NUMBER 7	M3315
REPORT	INORGANIC-MATERIALS-RESEARCH, MECHANICAL-ENGINEERING, ASSISTANCE STATUS REPORT I	M3274
REPORT	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS	M3306
· · · ·	FOR) MAGNET COILS (CONSTRUCTED OF) WATER-COOLED	
	CONDUCTOR, PROGRESS REPORT UCID2185	
RESIN	(70-KV) ISOLATION FIRING TRANSFORMER, (SELECTION OF)	M3196
	SELF-EXTINGUISHING EPDXY CASTING RESIN	
RESIN	HARD-SOLDERING, BRAZING, COPPER BUSES (ADJACENT) EPOXY RESIN	M3233
RESIN	INVESTIGATION OF PLASTIC EMBEDMENT RESIN (COMPOSITIONS FOR) MAGNET COILS (CONSTRUCTED OF) WATER-COOLED	M3306
	CONDUCTOR, PROGRESS REPORT UCID2185	
RESISTANCE	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES	M3160
RESISTIVITY .	RADIO-FREQUENCY RESISTIVITY OF (ROUGH) OFHC COPPER AT 140 MC	M3366
RESISTIVITY	VELOCITY SPECTROMETERS (MK VI - 15 FT) THE TESTING OF GLASS FOR VOLUME RESISTIVITY (AS A FUNCTION OF) TEMPERATURE	M3324A
RESOLUTION	EXTERNAL BEAM MAGNETS, (FACTORS AFFECTING) ENERGY RESOLUTION	M3363
RESONANT	(ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORT, RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE SYSTEMS	M3304
RESPONSE		M3360
	OF A CONTINUOUS) CONCRETE BEAM (93-FT. LONG ONE CELL)	
RESPONSE	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES (TO GASES	M3099
RESPONSE	OTHER THAN AIR)	11.2022
REVERE-COPPER	MAGNETS, COILS, CONDUCTORS, (TRIP TO) PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND	M3079
	GENERAL-ELECTRIC-COMPANIES	
RF	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON (RF System,)Cooling of ferrite in RF Cavities by Water	M3348

• •

. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

+

غ <u>ف</u>

RF :	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON RF SYSTEM, A RDTARY CAPACITIVE TUNING (SYSTEM FOR A 50 MC TO 100 MC) RADIO-FREQUENCY CAVITY	M3365
RIGIDITY RING	OPTICAL BENCH RIGIDITY (ADVANCED ACCELERATOR) RING MAGNET SUPPORT BEAMS (RRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND) VIBRATION FREQUENCY (FOR 100 FT AND 200FT BEAMS)	M3152 M3229
RING	UCID2138 (ADVANCED ACCELERATOR) MAGNET RING SUPPORT BEAMS (220 FT LONG, A METHOD OF SUPPORTING THE BEAM AND ESTIMATES DF DEFLECTIONS) UCID2139	M3230 ×
RINGS	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON VACUUM SYSTEM, CERAMIC WALL VACUUM RINGS, (CONSTRUCTION AND DIMENSIONS, MODEL 2) UCID2277	M3345
ROAD	(BEVATRON) SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD	M3077
ROARKS ROLLING-MILL ROOF	(PROPOSED BOOK OF) TABLES SIMPLIFYING ROARKS (FORMULAE) FOIL ROLLING-MILL DESIGN CALCULATIONS CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT, CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND REINFORCING-STEEL UCID2329	M3343 M3218 M3030
ROTAMETER	(MODELING A) WATERFLOW ROTAMETER FOR LIQUID FREON (SERVICE)	M3096
ROTARY	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON RF SYSTEM, A ROTARY CAPACITIVE TUNING (SYSTEM FOR A 50 MC TO 100 MC) RADIO-FREQUENCY CAVITY	M3365
ROUGHING	CAVE BEAM-TUBE VACUUM, (PREDICTED) ROUGHING (TIME) UCID2225	M3185
RUBBER	(STANDARD SPECIFICATION FOR) BUTYL RUBBER TUBING FOR VACUUM (USE)	M18
RUPTURE	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING DIL	M3276A
SADDLE	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, CONDUCTOR (LENGTHS FOR) SADDLE COILS (WITH RECTANGULAR SECTION) UCID2147	M3156
SAFETY	(30-INCH PROPANE CHAMBER, HYPERFRAGMENT EXPERIMENT) SAFETY OF EQUIPMENT AND INSTALLATION	M3282
SAFETY	SAFETY (ASPECTS OF THE) HYDROGEN SPARK-DISCHARGE-CHAMBER	MM3114
SAFETY	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS	M3265
SAFETY-REQUIREMENTS	SAFETY-REQUIREMENTS FOR 25-INCH HYDROGEN AND 30-INCH PROPANE BUBBLE-CHAMBER (COMBINED) OPERATION (SPRING 1964) UCID2209	M3209

4

SATURATION	(AFFECT OF) SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS	M3370
SCANNER	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM	M3029
SCANNER	WHOLE-BODY RADIDISOTOPE UPTAKE SCANNER, OPTICAL SYSTEM	M3231
SCANNING-SLITS	•	M3005
	VIBRATION	
SCREWS	A DEVICE (FOR RAPID AND THOROUGH) CHECKING OF LEAD SCREWS. UCID2362	M3408
SEAL	(88-INCH CYCLOTRON) DEE TANK (HISTORY OF REPAIRS TO) LEAKS	M3285
	IN MAIN VACUUM SEAL UCID2220	~
SEAL	INVESTIGATION OF PERMATEX NUMBER 2 SEALING-COMPOUND AS	M3359
	VACUUM SEAL	
SEALING-COMPOUND	INVESTIGATION OF PERMATEX NUMBER 2 SEALING-COMPOUND AS	M3359
	VACUUM SEAL	115557
SEALS	O-RING VACUUM SEALS, J (MORGRIP) GROOVE DESIGN	M3175A
SEARCH-COIL	-	M3224
	COIL POSITIONER, PRECISION OF SEARCH-COIL (LOCATION	MJCC7
	AND MOVEMENT) UCID2162	
SECTION	CENTER SECTION FOR 12-INCH APERTURE FOCUSING QUADRUPOLE	M3081
SECTION	TRIPLET MAGNET	M2001
SELF-EXTINGUISHING	(MEASUREMENT OF) VACUUM OUTGASSING OF SELF-EXTINGUISHING	M3357A
SELFERIINGUISHING	(MEASOREMENT OF) VACOUM OUTGASSING OF SELF-EXTINGUISHING EPOXY (FORMULATIONS)	ALCCCM
SELF-EXTINGUISHING		M3196
SEFLEEVI TINGOT SHITING	(70-KV) ISOLATION FIRING TRANSFORMER, (SELECTION OF) SELF-EXTINGUISHING EPOXY CASTING RESIN	M2140
CEMINAD		HOODE
SEMINAR	(UNIVERSITY OF CALIFORNIA) TECHNICAL WRITING SEMINAR	M3205
SEMINAR	(1964) VARIAN VACUUM TECHNOLOGY SEMINAR UCID2202	M3310 =
SEPTUM	(88-INCH CYCLOTRON) DEFLECTOR, WATER-COOLED COPPER	M3213
	SEPTUM, WALL-THICKNESS MEASURING-DEVICE UCID2219	
SERVICE	HOSE EVALUATION FOR (FORE) VACUUM SERVICE UCID2335	M3162
SHAFTS	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VIII) STATIC TEST	M3135
····	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE	
	SHAFTS	
SHEAR	CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT,	M3030
	CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND	
	REINFORCING-STEEL UCID2329	
SHELL	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING ENCLOSURE, PRECAST	M3244
	CURVED CONCRETE SHELL, (TOTAL) COST-ESTIMATE (FOR 2	
	AND 6 GEV INJECTION) C AND H MAGNETS	
SHELL	(4 1/2 PCT) DUTY-FACTOR (OPERATION) DRIFT-TUBE STEM AND	M3069
SERVICE SHAFTS SHEAR SHELL	SHELL COOLING (REQUIREMENTS)	

. . . .

. .

. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

•

.

	SHIELD	(DEPENDENCE OF) RADIATION HEAT-TRANSFER ON HEAT SHIELD (SPACING)	M3034
:	SHIELDING	(BEVATRON) SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD	M3077
	SHIELDING	(BEVATRON, REMAINDER OF) HEPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS	M3076
4	SHIELDING	(HEAVY ION ACCELERATOR, MECHANICAL ENGINEERING) ESTIMATE FOR MACHINE COOLING AND SHIELDING (AT VARIOUS) DUTY-FACTORS	M3070
:	SHIELDING	(HEAVY ION ACCELERATOR, STUDIES FOR INCREASED) DUTY-FACTOR, STEEL SHIELDING (REQUIRED FOR 100 PCT FACTOR)	M3128
	SHIELDING	(HEAVY ION ACCELERATOR,)SHIELDING FOR 100 PER CNT LOAD-FACTOR, COST-ESTIMATE	M3375
4	SHIELDING	(HEAVY ION ACCELERATOR,) SHIELDING FOR 100 PER CENT LOAD-FACTOR, COST-ESTIMATE (FOR FIRST STAGE OF CONSTRUCTION)	M3376
	SHIELDING	(184-INCH CYCLOTRON) PHYSICS CAVE SHIELDING COST REASSESSMENT	M3031
	SHIELDING	(184-INCH CYCLOTRON) PHYSICS CAVE SHIELDING COST REASSESSMENT	M3142A
-	SHIELDING	(184-INCH CYCLOTRON) STEEL PLATE SHIELDING	M3245
	SHIELDING	(184-INCH CYCLOTRON) SHIELDING BLOCKS, REVISED NUMBERING SYSTEM	M3325
:	SHIELDING	(184-INCH CYCLOTRON) PHYSICS CAVE (SHIELDING,) FORCE REQUIRED TO SLIDE MAGNET TURNTABLE AND SHIELDING BLOCKS	M3353A
	SHIELDING	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11 AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT, AND 114 FT DIA.) STRUCTURES.	M3279
1	SHIELDING	PHYSICS CAVE SHIELDING COST (STEEL) UCID2187	M3223
	SHIELDING	PHYSICS CAVE SHIELDING COST (STEEL) UCID2186	M3222
	SHIELDING	SHIELDING THROUGH WALL AT BACKSTOP, CALCULATIONS FOR REINFORCING-STEEL IN SUPPORT SLAB UCID2330	M3037
		300 LBS/CF CONCRETE SHIELDING BLOCK COSTS	M3032
	SHIELDING-BLOCKS	CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT, CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND REINFORCING-STEEL UCID2329	M3030 -
:	SHIELDING®BLOCKS	MAGNETITE OR HEMATITE HIGH®DENSITY (225 LBS/CF) CONCRETE SHIELDING®BLOCKS	M158

. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

4

• .

à

SHIM	SHIM DRAWING OF THIN PRESSURE VESSEL (6 INCH DIAMETER X .005 INCH THICK) TORISPHERICAL 5052 ALUMINUM ALLOY HEADS UCID2276	M3235
SHOCK-ABSORBER	GOVERNING EQUATIONS FOR 5831 REGULATING-TUBE SHOCK-ABSORBER	M3001A
SHRINKAGE	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS, (YEARLY DEFLECTION INCREASE DUE TO) CREEP AND SHRINKAGE (FOR 1 AND 2 CELL BEAMS)	M3321
SHUR-FLO	DESIGN AND FLOW TEST OF MULTI-ORIFICES IN SHUR-FLO SWITCHES	M3346
SIMULATION	DIDDE CURCUITS FOR NON-LINEAR SIMULATION UCID2073	M3234
SITES	(ADVANCED ACCELERATOR) MAGNET ENCLOSURE, (PRELIMINARY)	M3226
	COST-COMPARISON, (FOUR) DESIGNS FOR SITES (REQUIRING) DEEP FOUNDATIONS UCID2067	
SLAB	SHIELDING THROUGH WALL AT BACKSTOP, CALCULATIONS FOR	M3037
JERD	REINFORCING-STEEL IN SUPPORT SLAB UCID2330 -	119031
	SLAC-RESEARCH-GROUP (150 PSI) NITROGEN CERENKOV COUNTER,	M3356
JEAC RESEARCH OROUP	OPERATING INSTRUCTIONS	110 0 0 0
SLIDE	(184-INCH CYCLOTRON) PHYSICS CAVE (SHIELDING,) FORCE	M3353A
	REQUIRED TO SLIDE MAGNET TURNTABLE AND SHIELDING	MJJJJA
SOCIETY SOCIETY	BLOCKS	
ÉDE LE TV		42374
SOCIETY	(BOSTON MEETING) AMERICAN VACUUM SOCIETY, (OCTOBER 1963)	M3174
	(CONFERENCE OF) AMERICAN SOCIETY FOR METALS, (LOS ANGELES, MARCH 16 TO 19, 1964)	M3288
SOCIETY	AMERICAN VACUUM SOCIETY (SYMPOSIUM AT BOSTON, AND VISITS	M3178
	TO) BROOKHAVEN AND ARGONNE NATIONAL L'ABORATORIES	
SOCIETY	DESIGN ENGINEERING (CONFERENCE AND SHOW, CHICAGO, MAY	M3332
	1964, AMERICAN SOCIETY OF (MECHANICAL ENGINEERS.)	
	UCID2267	
SOLENOID	CONSTRUCTION (AND CHARACTERISTICS OF) SOLENDID MAGNET IRIS	M3387
	(5 IN. ID, 20 KG)	
SOLENOIDS	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING	M3195
SOLVENT	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL	M3160 -
	TAPES	
SOLVING	(1964) CARTER, PRINCETON (SEMINAR.) SOLVING TEMPERATURE	M3384
	PROBLEMS WITH THERMOELECTRICS UCID2346	
SOLVING	WORK-SHEET FOR SOLVING A CUBIC-EQUATION	M3009
SOURCE	(CASCADE ISOTOPE-SEPARATOR, REYNOLDS) ION SOURCE PROBE	M3153
	MANIPULATION MECHANISM	
SOURCE	ION SOURCE, GASEOUS HEAT-CONDUCTION	M3044
JUNIE	THE BUILDLY HERE BUILDER BUILDER	

· ·

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

5

.

. •

SOURCE	ION SOURCE, NON-IONIZED GAS FLOW	M3039
SOURCE	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM	M3023
SPARE	(88-INCH CYCLOTRON) SPARE DEE (DESCRIPTION AND)	M3379
	COST-ESTIMATE	
SPARK	A RECIRCULATOR AND PURIFIER FOR SPARK CHAMBER NEON GAS	M3352
SPARK-CHAMBER	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER, (LOFGREN GROUP)	M3355
	OPERATING CHECK LIST, PROCEDURE AND PRESSURE TEST	
SPARK-CHAMBER	INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES UCID1935	M3085
SPARK-DISCHARGE-CHA	SAFETY (ASPECTS OF THE) HYDROGEN SPARK-DISCHARGE-CHAMBER	MM3114
SPECIFICATION	ENGINEERING NOTE AND SPECIFICATION NUMBERING SYSTEM	M3228A
SPECTROGRAPH-II	ALPHA-PARTICLE SPECTROGRAPH-II, COST-ESTIMATE (FOR NEW SET OF) POLE-TIPS	M3157
SPECTROMETER	(IMPROVED) TEMPERATURE REGULATION FOR SPECTROMETER	M3119
SPECTROMETER	SPECTROMETER GLASS CATHODES	M351
SPECTROMETER	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD	M3024
	(FORMULAE)	
SPECTROMETERS	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND	M3368
	POLISHING PROCEDURE FOR PARTS.	
SPECTROMETERS	VELOCITY SPECTROMETERS (MARK VI) GLASS CATHODES	M363
SPECTROMETERS	VELOCITY SPECTROMETERS, (MARK V 4 INCHES X 12 INCHES)	M3102
	10-FODT MAGNET	
SPECTROMETERS	VELOCITY SPECTROMETERS (MK VI - 15 FT) THE TESTING OF	M3324A
	GLASS FOR VOLUME RESISTIVITY (AS A FUNCTION OF)	
	TEMPERATURE	
SPHERICAL	BUDYANT STEEL VESSELS (UNDER EXTERNAL PRESSURE) SPHERICAL	M3011
	AND CYLINDRICAL, DESIGN (CURVES AND FORMULAS)	
SPIRAL	MEASURING-PROJECTOR, SPIRAL READER, FILM-TRANSPORT, AIR	M3405
	BEARING	
SPREADER	SPREADER BAR (ASSEMBLY) STRESSES	M3040
STABILITY	EARTHQUAKE STABILITY CALCULATIONS FOR ELECTRICAL	M3328
	SUBSTATION (EQUIPMENT)	
STABILITY	STABILITY OF A CART WITH CASTERS	M3008
STABILITY-STUDY	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), 184	M3297
	INCH CYCLOTRON ALPHA-BEAM STABILITY-STUDY	
STABLE	(A MINIATURE) POSITIONING-UNIT FOR STABLE,	M3403
	MULTI-COORDINATE (APPLICATIONS) UCID2353	
STAINLESS-STEEL	(SPECIFICATION AND PROCUREMENT OF) STAINLESS-STEEL (HIGH)	M3309
	VACUUM GATE VALVES UCID2206	
STAINLESS-STEEL	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH	M3111
	MOST-FAVORABLE COPPER-FINS	

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

.4

ł

STANCHION	(BEVATRON MAGNET CORE) DESIGN AND TEST OF 3-SECTOR STANCHION, QUADRANT II, 89 DEGREE AREA	M3042
STANDARDIZATION	(WORK PLANNED ON) VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION (FY 1965)	M3385
STANDARDIZATION	VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION (FY 1964)	M3369
STANDARDS	MEASUREMENT OF SPEED OF AN OIL DIFFUSION PUMP SYSTEM	M3342
	(ACCORDING TO) AVS STANDARDS UCID2273	113312
STANFORD	(1964 JOINT) AUTOMATIC CONTROLS CONFERENCE AT STANFORD	M3361
	UNIVERSITY	NJ JUL
STARTING	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING	M3020
	PROCEDURES	
STATIC	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VIII) STATIC TEST	M3135
	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE	
	SHAFTS	
STATUS	INORGANIC-MATERIALS-RESEARCH, MECHANICAL-ENGINEERING,	M3274
	ASSISTANCE STATUS REPORT I	
STEEL	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE	M3336
	FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL	
	BEAMS, BEAM-SIZES, (STRESSES, SPACING AND	
	DEFLECTION, COMMERCIAL) WF-BEAMS	
STEEL	(BASEMENT SLIDING) STEEL DOOR, DESIGN CALCULATIONS	M3330
STEEL	(BEVATRON) SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD	M3077
STEEL	(BEVATRON, REMAINDER OF) HEPPENSTAHL ARMOR PLATE STEEL	M3076
	SHIELDING FORGINGS	
STEEL	(HEAVY ION ACCELERATOR, STUDIES FOR INCREASED)	M3128
	DUTY-FACTOR, STEEL SHIELDING (REQUIRED FOR 100 PCT	
	FACTOR)	
STEEL	(184-INCH CYCLOTRON) STEEL PLATE SHIELDING	M3245
STEEL	BUOYANT STEEL VESSELS (UNDER EXTERNAL PRESSURE) SPHERICAL	M3011
	AND CYLINDRICAL, DESIGN (CURVES AND FORMULAS)	
STEEL	INSTRUMENT PACKAGE USING STEEL VESSEL (PRELIMINARY)	M3021
	INVESTIGATION	
STEERING	BRUTUS STEERING MAGNET. COST (SUMMARY)	M3025
STEERING	STEERING MAGNET III UCID2332	M3057
STEERING	THE ECONOMY OF (HIGH) MAGNETIC FIELDS IN THE DESIGN OF	M3219
	(LARGE) STEERING MAGNETS	
STEM	(HEAVY ION ACCELERATOR) PROCEDURE FOR INSTALLING	M3100
	HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS	_
STEM	(HILAC) HEATING OF POST-STRIPPER DRIFT-TUBE STEM BELLOWS	M3354
	(AND METHODS OF) COOLING.	

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

3

a.

1

•

STEM	(4 1/2 PCT) DUTY-FACTOR (OPERATION) DRIFT-TUBE STEM AND SHELL COOLING (REQUIREMENTS)	M3069
STERED	STERED CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER (REVISED) FILMSTRIP FORMAT UCID2351	M3401
STEREDTAXIC	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), COST-ESTIMATE (BASED ON 1/8 SIZE MODEL)	M3129
STEREOTAXIC	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), 184 INCH CYCLOTRON ALPHA-BEAM STABILITY-STUDY	M3297
STEREOTAXIC	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), PATIENT POSITIONER (PRELIMINARY) PROPOSALS AND	M3301
	COST-ESTIMATES	
STEREDTAXIC	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), PATIENT POSITIONER DESIGN AND DEVELOPMENT	M3308B
STEREDTAXIC	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), (FINAL) PROPOSALS AND COST ESTIMATES	M3307
STEREOTAXIC	IRRADIATION STEREOTAXIC (APPARATUS FOR) HUMANS (ISAH), (ADDITIONAL) PROPOSAL AND COST-ESTIMATE	M3323
STIFFNESS	(ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORT, RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE SYSTEMS	M3304
STIFFNESS	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE, FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION UCID2349	M3398
STORAGE	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE	M3135
STORED	(BEVATRON) SHIELDING STEEL STORED ON BLACKBERRY CANYON	M3077
STORED	ROAD	MJUTT
STRAIGHT	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T STRAIGHT TO CURVED ASSEMBLY PROCEDURE	M3137 -
STRENGTH	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL	M3276A
STRESS	(BEVATRON) LINAC SUPPORT-STANDS, STRESS ANALYSIS	M3116
STRESS	(NEW) BUBBLE-CHAMBER BODY, STRESS CALCULATIONS UCID1902	M3054
STRESS	(25-INCH) BUBBLE-CHAMBER BODY AND WINDOWS, STRESS CALCULATIONS UCID2071	M3232
STRESS	(72-INCH) BUBBLE-CHAMBER, (NEW)BODY, (ADDITIONAL) STRESS CALCULATIONS UCID1936	M3087
STRESS	BUBBLE-CHAMBER VACUUM TANK STRESS CALCULATIONS UCID1905	M3060
STRESS-VARIATION	(ADVANCED ACCELERATOR,) REDUCING STRESS-VARIATION IN MAIN-RING MAGNET CORES (WITH LEGS AT ENDS.)	M3326
STRESSES	CONCRETE BLOCK LIFTING FIXTURE STRESSES UCID2205	M3041
STRESSES	SPREADER BAR (ASSEMBLY) STRESSES	M3040

. .

۰.

4

. .

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

÷

.

STRUCTURAL	(88-INCH CYCLOTRON) DEE COOLING AND STRUCTURAL CALCULATIONS UCID2222	M3296
STRUCTURE	(ADVANCED ACCELERATOR, INTERIM DISCUSSION, MAGNET SUPPORT STRUCTURE (CONSIDERATIONS,)	M3319
STRUCTURE	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL BEAMS, BEAM-SIZES, (STRESSES, SPACING AND DEFLECTION, COMMERCIAL) WE-BEAMS	M3336
STRUCTURE	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE, FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION UCID2349	M3398
STRUCTURES	MAIN-RING MAJOR (EQUIPMENT) ACCESSWAY, (STUDIES NUMBER 11 AND NUMBER 12) CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST-ESTIMATE (FOR 150 FT, 132 FT, AND 114 FT DIA.) STRUCTURES.	M3279
STUDIES	(184-INCH CYCLOTRON) PROPOSED IMPROVEMENTS, CENTER REGION STUDIES COST-ESTIMATES	M3300
SUBLIMATION	TITANIUM SUBLIMATION VACUUM PUMP UCID2221	M3255
SUBMISSION	(88-INCH CYCLOTRON) ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66.) UCID2226	M3311
SUBROUTINE	FORTRAN PROGRAMING SUBROUTINE FOR PLOTTING LOGARITHMIC GRID-LINES FOR THE CAL-COMP PLOTTER	M3337
SUBSTATION	EARTHQUAKE STABILITY CALCULATIONS FOR ELECTRICAL SUBSTATION (EQUIPMENT)	M3328
SULFUR	(BEVATRON, MOYER EXPERIMENT, MAY 1963) OPERATING INSTRUCTIONS AND CHECK LIST 300 PSI SULFUR HEXAFLUORIDE CERENKOV COUNTER	M3055
SULFUR-DIOXIDE	CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE	M3278
SUPERCONDUCTING	(CONSTRUCTION AND) PERFORMANCE TESTS (OF 2-1/2 IN. ID, 36 KG) SUPERCONDUCTING COIL	M3388
SUPERCONDUCTING	COST OF SUPERCONDUCTING MAGNETS	M3018
SUPERCONDUCTING	POWER SUPPLY FOR SUPERCONDUCTING MAGNET	M369
SUPPLIES	<pre>(88 INCH CYCLOTRON, NEW) MAGNET POWER SUPPLIES, COOLING UCID2224</pre>	M3250
SUPPLY	POWER SUPPLY FOR SUPERCONDUCTING MAGNET	M369
SUPPORT	(ADVANCED ACCELERATOR) RING MAGNET SUPPORT BEAMS (PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND) VIBRATION FREQUENCY (FOR 100 FT AND 200FT BEAMS) UCID2138	M3229
SUPPORT	(ADVANCED ACCELERATOR) MAGNET RING SUPPORT BEAMS (220 FT LONG, A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS) UCID2139	M3230

ų

ι.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

	•	
SUPPORT	(ADVANCED ACCELERATOR) MAGNET SUPPORT BEAMS AND	M3243
	FOUNDATIONS COST-ESTIMATES (FOR 2 AND 6) GEV INJECTION, C AND H MAGNET LAYOUTS UCID2089	
SUPPORT	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS,	M3270
JULPORT	(THE ADVANTAGE OF CENTERING BEAM IN) TUNNEL, (WITH	M5270
	THREE EXAMPLES)	
SUPPORT	(ADVANCED ACCELERATOR,) NATURAL FREQUENCIES FOR MAIN-RING	M3283
JUFFORT	MAGNET SUPPORT BEAMS (DESCRIBED IN NOTE M3243.)	M3203
SUPPORT	(ADVANCED ACCELERATOR) MAIN-RING MAGNET SUPPORT, RESONANT	M3304
JUNION	FREQUENCY AND LATERAL STIFFNESS OF PILE SYSTEMS	M3304
SUPPORT	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS,	M3321
	(YEARLY DEFLECTION INCREASE DUE TO) CREEP AND	113321
······································	SHRINKAGE (FOR 1 AND 2 CELL BEAMS)	
SUPPORT	(ADVANCED ACCELERATOR, INTERIM DISCUSSION,) MAGNET SUPPORT	M3319
	STRUCTURE (CONSIDERATIONS,)	HJJLJ
SUPPORT	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT AND	M3360
	ENCLOSURE, TRANSIENT RESPONSE TO EARTHQUAKE (MOTION	10000
	OF A CONTINUOUS) CONCRETE BEAM (93-FT, LONG ONE	
	CELL)	
SUPPORT	SHIELDING THROUGH WALL AT BACKSTOP, CALCULATIONS FOR	M3037
	REINFORCING-STEEL IN SUPPORT SLAB UCID2330	
SUPPORT-STANDS	(BEVATRON) LINAC SUPPORT-STANDS, STRESS ANALYSIS	M3116
	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE	M3336
	FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL	
	BEAMS, BEAM-SIZES, (STRESSES, SPACING AND	
	DEFLECTION, COMMERCIAL) WF-BEAMS	
SUPPORTS	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE,	M3398
	FOUNDATIONS AND SUPPORTS, LATERAL STIFFNESS OF	
	PROPOSED DEEP PILE FOUNDATION UCID2349	
SUPPORTS, CROSS-SECT	(ADVANCED ACCELERATOR) MAIN-RING MAGNET	M3242
	SUPPORTS, CROSS-SECTION © PARAMETERS FOR BEAMS (8 FT TO	
	15 FT DEEP)	
SURVEY	(ADVANCED ACCELERATOR) SURVEY AND ALIGNMENT, (AN	M3237
	ECONOMICAL METHOD FOR) MONITORING MAGNET ALIGNMENT	
	(DURING) OPERATION	
	(BEVATRON) MAGNET CORE SURVEY COMPUTER PROGRAM	M3286
	ACCIDENT WITH SWAGELOCK CAP	M3277
	(A NEW TYPE) WATER FLOW SWITCH AND INDICATOR UCID2350	M3340
	(88-INCH CYCLOTRON, ONE-HALF INCH) WATER FLOW SWITCH	M3189
SWITCH	FLOW SWITCH (REPLACEMENT ON 102) LINAC DRIFT-TUBE COOLING	M3351
	CIRCUITS	

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

ŧ.

SWITCH	FLOW SWITCH DESIGN (UTILIZING) DIFFUSER (RECOVERY)	M3334
SWITCH	FLOW SWITCH FOR (16-32-16-12INCH DIAMETER) FOCUSING	M3086
	QUADRUPOLE TRIPLET MAGNET	
SWITCHES	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET	M3391
	CONDUCTORS	
SWITCHES	DESIGN AND FLOW TEST OF MULTI-ORIFICES IN SHUR-FLO	M3346
	SWITCHES	
SYNCHROTRON	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, CERAMIC (MAIN)	M366
	VACUUM TANK (PRELIMINARY)	
SYNCHROTRON	(ADVANCED ACCELERATOR STUDY) BOOSTER SYNCHROTRON, MAGNET	M3258
	ENCLOSURE, (MAGNET AND) VACUUM-SYSTEM COST-ESTIMATE,	
	ZERO-ORDER.	
SYNCHROTRON	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, (REQUIRED)	M3295
	VACUUM PUMP (PERFORMANCE FOR MAKING) MAGNETS	
	INTERNAL TO VACUUM TANKS, PRELIMINARY STUDY	
SYNCHROTRON	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM,	M3322A
	VIBRATION IN THE MECHANICAL TUNING PLUNGER	
SYNCHROTRON	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM,	M3331
	THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE	
	MECHANICAL TUNING SYSTEM	
SYNCHROTRON	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM,	M3339
• •	A MECHANICAL TUNING SYSTEM FOR A CAVITY (TO BE TUNED	
	FROM 50 MC TO 100 MC)	
SYNCHROTRON	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON, BROOKHAVEN,	M3344
	CAMBRIDGE, GENERAL-ELECTRIC (TRIP REPORT, JUNE 1964)	
SYNCHROTRON	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON VACUUM SYSTEM,	M3345
	CERAMIC WALL VACUUM RINGS, (CONSTRUCTION AND	
	DIMENSIONS, MODEL 2) UCID2277	
SYNCHROTRON	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON (RF	M3348
	SYSTEM, COOLING OF FERRITE IN RF CAVITIES BY WATER	
SYNCHROTRON	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON RE SYSTEM, A	M3365
	ROTARY CAPACITIVE TUNING (SYSTEM FOR A 50 MC TO 100 -	
	MC) RADIO-FREQUENCY CAVITY	
SYNCHROTRON	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON MAGNET	M3390
ъ.	PARAMETER STUDY, JUNE 1964	
SYNCHROTRON	(TOUR OF) COMPUTER INSTALLATION ZGS SYNCHROTRON, ARGONNE	M3373
	NATIONAL LABORATORY	
TABLES	(PROPOSED BOOK OF) TABLES SIMPLIFYING ROARKS (FORMULAE)	M3343
TANGENT	WEST-OUTSIDE-RADIUS TANGENT AREA PLATFORM, REINFORCEMENT.	M3207
	(BEVATRON)	

ю

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

٨

¢

• .

TANGENTIAL-BRACE	(BEVATRON MAGNET CORE) DIMENSIONAL-VARIATIONS OF	M3338
	TRANSITION-TANK AND TANGENTIAL-BRACE (AT SOUTH END	
TANK	OF EAST TANGENT TANK AS OF OCTOBER 1962)	2004
TANK	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, CERAMIC (MAIN)	M366
TANK	VACUUM TANK (PRELIMINARY)	112 205
TANK	(88-INCH CYCLOTRON) DEE TANK (HISTORY OF REPAIRS TO) LEAKS	M3285
TANK	IN MAIN VACUUM SEAL UCID2220	N20/0
	BUBBLE-CHAMBER VACUUM TANK STRESS CALCULATIONS UCID1905	M3060
TANK	PRESTRIPPER TANK GRILL COOLING (REQUIREMENTS AT) 100 PER	M3409
T & N32 C	CENT DUTY CYCLE	42205
TANKS	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, (REQUIRED)	M3295
	VACUUM PUMP (PERFORMANCE FOR MAKING) MAGNETS	
T & X1 T & 1 1144	INTERNAL TO: VACUUM TANKS, PRELIMINARY STUDY	42622
TANTALUM	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM	M3023
TAPES	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL	M3160 -
TABCET	TAPES	42125
TARGET	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VILI) STATIC TEST	M3135
· · ·	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE	
TADOLT	SHAFTS	M3130
TARGET	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIIII-T TRAVELING TARGET AIR LOCK OPERATION	M3138
TARGET	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T TRAVELING	M3139
IARGET	TARGET OPERATING INSTRUCTIONS	M3159
TARGET	(BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT.) HYDROGEN	M3221
IARGEI	GAS TARGET, OPERATION CHECK LIST AND PRESSURE TEST	M3221
TARGET	(1-1/4-DIAX-3-1/8-LG.) HYDROGEN GAS TARGET OPERATING	M3251
IARGEI	PROCEDURE	M3231
TARGET	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS UCID2275	M3180 -
TARGET	LIQUID DEUTERIUM TARGET FOR ARGONNE UCID2252	M3402
TARGET-AREAS	(HEAVY ION ACCELERATOR) PROPOSED IMPROVEMENTS,	M3262
TARGET-AREAS	COST-ESTIMATES FOR TARGET-AREAS	115202
TARGETS	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS	M3265
TECHNICAL	(UNIVERSITY OF CALIFORNIA) TECHNICAL WRITING SEMINAR	M3205
TECHNICAL	A TECHNICAL INFORMATION SYSTEM AND CURRENT-AWARENESS	M3253
TECHNICAE	(MINNESOTA MINING AND MFG. CO.) MICROFORUM,	
	(DECEMBER 6, 1963.)	
TECHNICAL	WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963,	M3201
	UNIVERSITY OF CALIFORNIA EXTENSION CENTER)	11969E
TECHNIQUE	LEAST-SQUARES TECHNIQUE USING MATRICES	M3109
TECHNIQUE	TECHNIQUE FOR (THIN) INORGANIC FILM (PRODUCTION AND	M3105
	MOUNTING)	112102
	HIGGINT FINCE	

۲

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

à.

ŧ

TECHNOLOGY	(1964) VARIAN VACUUM TECHNOLOGY SEMINAR UCID2202	M3310
TEMPERATURE	(A SENSITIVE) TEMPERATURE DEVIATION DETECTOR	M3038
TEMPERATURE	(IMPROVED) TEMPERATURE REGULATION FOR SPECTROMETER	M3119
TEMPERATURE	(1964) CARTER, PRINCETON (SEMINAR.) SOLVING TEMPERATURE	M3384
	PROBLEMS WITH THERMOELECTRICS UCID2346	
TEMPERATURE	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER	M3083
PERMERATORE	COIL, HOSE-CONNECTION ADHESIVE TEST	112 0 0 0
TEMPERATURE	PULSE-LINE IGNITRON TEMPERATURE CONTROL (SYSTEM,	M3067
TEMPERATURE	DESCRIPTION AND) OPERATING-INSTRUCTIONS	HJUUT
TEMOEDATINE		N0 0 07 4
TEMPERATURE	VELOCITY SPECTROMETERS (MK VI - 15 FT) THE TESTING OF	M3324A
	GLASS FOR VOLUME RESISTIVITY (AS A FUNCTION OF)	
	TEMPERATURE	
TEMPERATURE-DISTRIB	TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW	M3130
	CONDUCTOR	
TEMPERATURE-DROP	TEMPERATURE-DROP BETWEEN HEATED-SHEET AND COOLING-TUBE	M3303
	UCID2223	
TEST	(BEVATRON MAGNET CORE) DESIGN AND TEST OF 3-SECTOR	M3042
	STANCHION, QUADRANT II, 89 DEGREE AREA	
TEST	(BEVATRON) GAP-MOUNTED FLIP-TARGETS (MK VIII) STATIC TEST	M3135
	OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE	
	SHAFTS	
TEST	(BEVATRON) LINAC DRIFT-TUBE MAGNET COIL CORROSION-RATE	M3091
1201	TEST	
TEST	(BEVATRON, EXTERNAL PROTON BEAM) BEARING EVALUATION TEST	M3082
TEST	(BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT.) HYDROGEN	M3221
IESI (HJZ21
	GAS TARGET, OPERATION CHECK LIST AND PRESSURE TEST	42200
TEST	(25-INCH HYDROGEN) BUBBLE-CHAMBER, MULTIPULSING TEST	M3290
	(DURING ENGINEERING RUN,) UCID2157	
TEST	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC.	M3276A
· · · ·	REACTOR COOLING OIL	
TEST	DESIGN AND FLOW TEST OF MULTI-ORIFICES IN SHUR-FLO	M3346
	SWITCHES	
TEST	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS	M3289A
TEST	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER, (LOFGREN GROUP)	M3355
5	OPERATING CHECK LIST, PROCEDURE AND PRESSURE TEST	
TEST	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER	M3083
	COIL, HOSE-CONNECTION ADHESIVE TEST	
TEST	PERFORMANCE TEST OF A CHA-INDUSTRIES 6-INCH (HIGH) VACUUM	M3389
	PUMPING (SYSTEM) UCID2345	
TEST	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET UCID1890	M3035
	TAGUUM TEJI UN ASTANALA DIG U JEAE UAJAEN UGIDIO2U	112022

) î

.

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

-

!

TESTING	MAGNET COIL IMPULSE TESTING	M3191
TESTING	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION	M352
TESTING	TESTING KLIXON THERMAL OVER-TEMPERATURE RELAYS IN A	M3193
	MAGNETIC FIELD	
TESTING	VELOCITY SPECTROMETERS (MK VI - 15 FT) THE TESTING OF	M3324A
	GLASS FOR VOLUME RESISTIVITY (AS A FUNCTION OF)	
·	TEMPERATURE	
TESTS	(CONSTRUCTION AND) PERFORMANCE TESTS (OF 2-1/2 IN. ID. 36	M3388
	KG) SUPERCONDUCTING COIL	
TESTS	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL	M3252
	HEMISPHERES	112626
THEORY	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM	M3364
	GAUGE UCID2343	
THERMAL	TESTING KLIXON THERMAL OVER-TEMPERATURE RELAYS IN A	M3193
* 1 (<u>1</u> , 1) (173 <u>1</u> -	MAGNETIC FIELD	
THERMIONIC	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM	M3023
THERMOCOUPLE	HEATER CURRENT-SETTING FOR HASTINGS THERMOCOUPLE VACUUM	M3217
MERHOCOUPEE	GAUGE CALIBRATION	FIJCI I
THERMOCOUPLE	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES (TO GASES	M3099
INERMOCOUPEE	OTHER THAN AIR)	M.3033
THERMOCOUPLE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE	M3210
THERMOCOUPLE	VACUUM THERMOCOUPLE GAUGE TUBE EVALUATION	M3212A
THERMOELECTRICS	(1964) CARTER, PRINCETON (SEMINAR.) SOLVING TEMPERATURE	M3384
mennoe Leo meos	PROBLEMS WITH THERMOELECTRICS UCID2346	FOCCE
TIPS	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, VANADIUM	M3170
	PERMENDUR POLE TIPS UCID2144	MJETU
TITANIUM	TITANIUM SUBLIMATION VACUUM PUMP UCID2221	M3255
TOLERANCE	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, TOLERANCE ON	M3211
TOLERANCE	COIL LOCATION UCID2141	17 211
TOLERANCES	(ADVANCED ACCELERATOR) MAIN-RING MAGNET, TOLERANCES (ON	M3259
IULERANCES	MAGNET UNIT)	HJZJ7
TOOL	J GROOVE FOR O-RINGS TOOL GAGE AND GROOVE DESIGN (SHEET)	M361A
TORISPHERICAL	SHIM DRAWING OF THIN PRESSURE VESSEL (6. INCH DIAMETER X	M3235
TORISPHERICAL	.005 INCH THICK) TORISPHERICAL 5052 ALUMINUM ALLOY	112277
	HEADS UCID2276	
TOWER-4	BEVATRON, ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4	M3112
10461-7	LOW-CONDUCTIVITY WATER SYSTEM (AND LOADS)	PIJIIZ .
TRANSFER	30-TON TRANSFER BEAM DESIGN UCID2215	M3317
TRANSFER	(70-KV) ISOLATION FIRING TRANSFORMER, (SELECTION OF)	M3196
TRANSFURMER	SELF-EXTINGUISHING EPOXY CASTING RESIN	PI2170
	うこして ラモスすまわりりまうけまいも、 ことしんす しろうすまれし (外生うま)	

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

٠

	TRANSIENT	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT AND ENCLOSURE, TRANSIENT RESPONSE TO EARTHQUAKE (MOTION OF A CONTINUOUS) CONCRETE BEAM (93-FT, LONG ONE	M3360 -
•	TRANSITION-TANK	CELL) (BEVATRON MAGNET CORE) DIMENSIONAL-VARIATIONS OF TRANSITION-TANK AND TANGENTIAL-BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962)	M3338
	TRAVELING	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-I-T TRAVELING TARGET AIR LOCK OPERATION	M3138
,	TRAVELING	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T TRAVELING TARGET OPERATING INSTRUCTIONS	M3139
	TRAVELING	(FOUR-POINT VERSUS THREE-POINT) FLOOR-LOADING FOR TRAVELING MAGNET	M3056
	TRIMMING	(88-INCH CYCLOTRON) MAGNET TRIMMING COILS, COST ESTIMATE (FOR DEMONSTRATION OF) COMPUTER CONTROL (OF ADJUSTMENTS)	M3399
	TRIPLET	CENTER SECTION FOR 12-INCH APERTURE FOCUSING QUADRUPOLE TRIPLET MAGNET	M3081
	TRIPLET	FLOW SWITCH FOR (16-32-16-12INCH DIAMETER) FOCUSING QUADRUPOLE TRIPLET MAGNET	M3086
	TRIPLET	FDCUSING MAGNETS (CENTER SECTION FOR 12°INCH APERTURE) QUADRUPOLE TRIPLET HERO	M359
	TRUCK	(PORTABLE) BIOLOGICAL LABORATORY TRUCK CHASSIS	M349B
	TUBE	(HEAVY ION ACCELERATOR, CW DRIVER,) TUBE AND GRID CONDENSER COOLING	M3141
	TUBE	VACUUM THERMOCOUPLE GAUGE TUBE EVALUATION	M3212A
	TUBING	(STANDARD SPECIFICATION FOR) BUTYL RUBBER TUBING FOR VACUUM (USE)	M18
	TUBING	CURRENT-CARRYING (CAPACITY OF SEVERAL UCLRL) TUBING FITTINGS	M3266
,	TUNGSTEN	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM	M3023
	TUNING	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER	M3322A
	TUNING	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING SYSTEM	M3331
	TUNING	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM, A MECHANICAL TUNING SYSTEM FOR A CAVITY (TO BE TUNED FROM 50 MC TO 100 MC)	M3339
	TUNING	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON RF SYSTEM, A ROTARY CAPACITIVE TUNING (SYSTEM FOR A 50 MC TO 100 MC) RADID-FREQUENCY CAVITY	M3365

3. . . .

* a

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

'n

5

.

•

TUNING	(HILAC 100 PCT DUTY FACTOR OPERATION,) COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS	M3097
TUNNEL	(ADVANCED ACCELERATOR,) MAIN-RING MAGNET SUPPORT BEAMS, (THE ADVANTAGE OF CENTERING BEAM IN) TUNNEL, (WITH THREE EXAMPLES)	M3270 -
TURNTABLE	(184-INCH CYCLOTRON): PHYSICS CAVE (SHIELDING,) FORCE REQUIRED TO SLIDE MAGNET TURNTABLE AND SHIELDING BLOCKS	M3353A
ULTRA-HIGH	(SOME) ULTRA-HIGH VACUUM DESIGN CRITERIA UCID2279	M3350A
UNIFORM	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED	M3194
ONTI DICH	UNIFORM BEAMS	NJ177
UNIFORMITY	FIELD UNIFORMITY IN COIL-IN-GAP (TYPE) MAGNETS UCID1881	M3026
UNIFORMLY-LOADED		M3194
UNIT DRMET - LOADED	UNIFORM BEAMS	M3134
UNIVERSITY	(1964 JOINT) AUTOMATIC CONTROLS CONFERENCE AT STANFORD	M3361
	UNIVERSITY	
UPTAKE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM	M3029
UPTAKE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL SYSTEM	M3231
VACUUM	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, CERAMIC (MAIN)	M366
	VACUUM TANK (PRELIMINARY)	
VACUUM	(ADVANCED ACCELERATOR MAIN) VACUUM SYSTEM, DEFINITION OF	M3263
	ODODI FUCI DOTOT	
VACUUM	(ADVANCED ACCELERATOR,) EVALUATION OF (PROPOSED) VACUUM	M3269A
	PUMPING SYSTEMS UCID2128	
VACUUM	(ADVANCED ACCELERATOR MAIN) VACUUM SYSTEM, (COMPARISON	M3284
	BETWEEN PRELIMINARY) COST-ESTIMATES AND CONTRACT	1,3207
	BIDS	
VACUUM	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, (REQUIRED)	M3295
140001	VACUUM PUMP (PERFORMANCE FOR MAKING) MAGNETS	
	INTERNAL TO VACUUM TANKS, PRELIMINARY STUDY	
VACUUM	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, MATERIAL AND	M3292A
*ACOON	WALL-THICKNESS OPTIMIZATION (FOR SIMPLIFIED) VACUUM	MJCJLA
	CHAMBER UCID2363	
VACUUM	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, (REQUIRED)	M3295
TACOUR	VACUUM PUMP (PERFORMANCE FOR MAKING) MAGNETS	r15295
	INTERNAL TO VACUUM TANKS, PRELIMINARY STUDY	
VACUUM	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON VACUUM SYSTEM,	M3345
VACUUM	CERAMIC WALL VACUUM RINGS, (CONSTRUCTION AND	112242
14 A C 141314	DIMENSIONS, MODEL 2) UCID2277	47745
VACUUM	(ADVANCED ACCELERATOR,) BODSTER SYNCHROTRON VACUUM SYSTEM,	M3345
	CERAMIC WALL VACUUM RINGS, (CONSTRUCTION AND	
	DIMENSIONS, MODEL 2) UCID2277	

× * * * * *

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

•

VACUUM	(BEVATRON VACUUM ENVELOPE BEAM EXIT) DESIGN OF VACUUM GATE VALVE	M3272
VACUUM	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS	M3372
VACUUM	(BOSTON MEETING) AMERICAN VACUUM SOCIETY, (OCTOBER 1963)	M3174
VACUUM	(CUSTOM) VACUUM BELL-JAR	M3033
VACUUM	(M-4) MAGNET VACUUM BEAM-TUBE STUDY	M3016
VACUUM	(MEASUREMENT OF) VACUUM OUTGASSING OF SELF-EXTINGUISHING	M3357A
VACUUM	EPOXY (FORMULATIONS)	1122501
	(SOME) ULTRA-HIGH VACUUM DESIGN CRITERIA UCID2279	M3350A
VACUUM	(SPECIFICATION AND PROCUREMENT OF) STAINLESS-STEEL (HIGH) VACUUM GATE VALVES UCID2206	M3309
VACUUM	(STANDARD SPECIFICATION FOR) BUTYL RUBBER TUBING FOR VACUUM (USE)	M18
VACUUM	(WORK PLANNED ON) VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION (FY 1965)	M3385
VACUUM	(1964) VARIAN VACUUM TECHNOLOGY SEMINAR UCID2202	M3310
VACUUM	(200-GEV) AGS MAIN-RING VACUUM CHAMBER ESTIMATING DF	M3134
10000	MAXIMUM PRESSURE UCID2148	HJT J
VACUUM	(88-INCH CYCLOTRON) DEE TANK (HISTORY OF REPAIRS TO) LEAKS	M3285
14 A C 1 11 144	IN MAIN VACUUM SEAL UCID2220	40.0 70
VACUUM	AMERICAN VACUUM SOCIETY (SYMPOSIUM AT BOSTON, AND VISITS TO) BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES	M3178
VACUUM	BUBBLE-CHAMBER VACUUM TANK STRESS CALCULATIONS UCID1905	M3060
VACUUM	CAVE BEAM-TUBE VACUUM, (PREDICTED) ROUGHING (TIME) UCID2225	M3185
VACUUM	HEATER CURRENT-SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION	M3217
VACUUM	HOSE EVALUATION FOR (FORE) VACUUM SERVICE UCID2335	M3162
VACUUM	INVESTIGATION OF PERMATEX NUMBER 2 SEALING-COMPOUND AS VACUUM SEAL	M3359
VACUUM	ION VACUUM PUMP (CHARACTERISTICS) UCID2183	M3305
VACUUM	O-RING VACUUM SEALS, J (MORGRIP) GROOVE DESIGN	M3175A
VACUUM	PERFORMANCE TEST OF A CHA-INDUSTRIES 6-INCH (HIGH) VACUUM	M3389
		• •
VACUUM	PUMPING (SYSTEM) UCID2345 PROPERTIES (OF SEVERAL) EPOXY (FORMULAS FOR) VACUUM POTTING OF MAGNET COILS	M3022
VACUUM	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES (TO GASES OTHER THAN AIR)	M3099

· · · · · ·

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

\$

7

Ð

VACUUM	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE UCID2343	M3364
VACUUM	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE	M3210
VACUUM	TITANIUM SUBLIMATION VACUUM PUMP UCID2221	M3255
VACUUM	VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION (FY 1964)	M3369
VACUUM	VACUUM IMPREGNATION OF MAGNET COILS WITH EPDXY (EPON	M347
	826/FURANE D40 FORMULATION)	
VACUUM	VACUUM IMPREGNATION OF MAGNET COILS WITH EPOXY (EPON 826	M358
	FURANE D40 FORMULATION)	113.20
VACUUM	VACUUM IMPREGNATION OF MAGNET COILS WITH (LRL) EPOXY	M360A
	(FORMULATION NO. CT2E)	HJUUH
VACUUM	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET UCID1890	M3035
VACUUM	VACUUM THERMOCOUPLE GAUGE TUBE EVALUATION	M3212A
VACUUM-ENVELOPE	VACUUM-ENVELOPE, BEAM-EXIT EXTENSION-TANK	M3287
VACUUM-JACKET	ANALYSIS (OF LONG RECTANGULAR) MEMBRANE VACUUM-JACKET	M3187
ACOOP-JACKET	WINDOWS	10101
VACUUM-SYSTEM		N3337
VACUUM-STSTEM	(ADVANCED ACCELERATOR,) MAIN VACUUM-SYSTEM, (COMPARATIVE	M3227
MACHIM-SWSTEM	STUDY OF CHAMBER MATERIALS	W22/10
VACUUM-SYSTEM	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, COST-ESTIMATE	M3241B
(#\$ @\$11114 @\/@\$ @\$4		
VACUUM-SYSTEM	(ADVANCED ACCELERATOR STUDY) BOOSTER SYNCHROTRON, MAGNET	M3258
· · · ·	ENCLOSURE, (MAGNET AND) VACUUM-SYSTEM COST-ESTIMATE,	
174 C (11 114 C 17 C T T 17	ZERO-ORDER.	
VACUUM-SYSTEM	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, ESTIMATING OF	M3281
	MAXIMUM PRESSURE UCID2150	
VACUUM-SYSTEM	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, MATERIAL AND	M3292A
	WALL-THICKNESS OPTIMIZATION (FOR SIMPLIFIED) VACUUM	
	CHAMBER UCID2363	
VACUUM-SYSTEM		M3299
	DR. E.) FISCHER FROM CERN	
VALVE	(BEVATRON VACUUM ENVELOPE BEAM EXIT) DESIGN OF VACUUM GATE	M3272
	VALVE	
VALVES	(SPECIFICATION AND PROCUREMENT OF) STAINLESS-STEEL (HIGH)	M3309
	VACUUM GATE VALVES UCID2206	
VAN	VACUUM GATE VALVES UCID2206 (PORTABLE) BIOLOGICAL LABORATORY VAN BODY (ADVANCED ACCELERATOR) MAIN-RING MAGNETS, VANADIUM	M350B
VANADIUM	(ADVANCED ACCELERATOR) MAIN-RING MAGNETS, VANADIUM	M3170
	PERMENDUR POLE TIPS UCID2144	
VARIAN	(1964) VARIAN VACUUM TECHNOLOGY SEMINAR UCID2202	M3310
VELOCITY	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND	M3368
	POLISHING PROCEDURE FOR PARTS.	

· · · · ·

*

1

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

ж с <u>ч</u>

VELOCITY	VELOCITY SPECTROMETERS (MARK VI) GLASS CATHODES	M363
VELOCITY	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD	M3024
	(FORMULAE)	
VELOCITY	VELOCITY SPECTROMETERS, (MARK V 4 INCHES X 12 INCHES)	M3102
	10-FOOT MAGNET	
VELOCITY	VELOCITY SPECTROMETERS (MK VI - 15 FT) THE TESTING OF	M3324A
. <u>.</u>	GLASS FOR VOLUME RESISTIVITY (AS A FUNCTION OF)	
	TEMPERATURE	
VESSEL	INSTRUMENT PACKAGE USING STEEL VESSEL (PRELIMINARY)	M3021
	INVESTIGATION	
VESSEL	SHIM DRAWING OF THIN PRESSURE VESSEL (6 INCH DIAMETER X	M3235
	.005 INCH THICK) TORISPHERICAL 5052 ALUMINUM ALLOY	
	HEADS UCID2276	
VESSELS	BUDYANT STEEL VESSELS (UNDER EXTERNAL PRESSURE) SPHERICAL	M3011
	AND CYLINDRICAL, DESIGN (CURVES AND FORMULAS)	
VIBRATION	(ADVANCED ACCELERATOR) RING MAGNET SUPPORT BEAMS	M3229
	(PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND)	
	VIBRATION FREQUENCY (FOR 100 FT AND 200FT BEAMS)	
	UCID2138	
VIBRATION	(ADVANCED ACCELERATOR) BOOSTER SYNCHROTRON, R. F. SYSTEM,	M3322A
	VIBRATION IN THE MECHANICAL TUNING PLUNGER	
VIBRATION	(BEVATRON INJECTOR II) BEAM SCANNING-SLITS, DRIVE-SHAFT	M3005
	VIBRATION	
VIBRATION	(REDUCTION OF) VIBRATION (CAUSED BY) MG SET	M3028
VIBRATION	NUCLEAR DEMAGNETIZATION CRYOSTAT, VIBRATION ISOLATION (AND	M3147
	APPLICATION OF) AIR MOUNTS UCID1988	
VISIBILITY		M3049
VOLUME	VELOCITY SPECTROMETERS (MK VI - 15 FT) THE TESTING OF	M3324A
	GLASS FOR VOLUME RESISTIVITY (AS A FUNCTION OF)	
WALL	TEMPERATURE	
WALL	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON VACUUM SYSTEM,	M3345
	CERAMIC WALL VACUUM RINGS (CUNSTRUCTIUN AND	
	DIMENSIONS, MODEL 2) UCID2277	
WALL	SHIELDING THROUGH WALL AT BACKSTOP, CALCULATIONS FOR	M3037
	REINFORCING-STEEL IN SUPPORT SLAB UCID2330	
WALL-THICKNESS	(ADVANCED ACCELERATOR MAIN) VACUUM-SYSTEM, MATERIAL AND	M3292A
	WALL-THICKNESS OPTIMIZATION (FOR SIMPLIFIED) VACUUM	
	CHAMBER UCID2363	
WALL-THICKNESS	(88-INCH CYCLOTRON) DEFLECTOR, WATER-COOLED COPPER	M3213
	SEPTUM, WALL-THICKNESS MEASURING-DEVICE UCID2219	

• • • •

٢

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

¥

¢,

+

ŗ

WATER	(A NEW TYPE) WATER FLOW SWITCH AND INDICATOR UCID2350	M3340
WATER	(ADVANCED ACCELERATOR,) BOOSTER SYNCHROTRON (RF	M3348
	SYSTEM, ICOOLING OF FERRITE IN RF CAVITIES BY WATER	
WATER	(HILAC 100 PCT DUTY FACTOR OPERATION,) COOLING WATER FLOW	M3097
	REQUIREMENTS FOR TUNING LOOPS	
WATER	(PREFERRED) MAGNET WATER HOSE (ASSEMBLY) UCID2331	M3047
WATER	(RECOMMENDED CHANGES TO) LOW-CONDUCTIVITY WATER SYSTEMS	M3192
	(TO ACCOMODATE NEW LOADS.)	•
WATER	(88-INCH CYCLOTRON, ONE-HALF INCH) WATER FLOW SWITCH	M3189
WATER	BEVATRON, ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4	M3112
	LOW-CONDUCTIVITY WATER SYSTEM (AND LOADS)	
WATER	CONTROLLED-TEMPERATURE WATER SYSTEM CALIBRATION (DATA)	M3006
WATER	ELECTRICAL CONDUCTIVITY (VERSUS SIZE OF) MAGNET COOLING	M3256
	WATER HOSES	
WATER	IGNITRON TEMPERATURE CONTROL-SYSTEM, INSULATING WATER	M3083
	COIL, HOSE-CONNECTION ADHESIVE TEST	
WATER	LINAC DEMINERALIZED WATER COOLING SYSTEM MAINTENANCE	M3108A
	CHECKLIST	
WATER-COOLED	(88-INCH CYCLOTRON) DEFLECTOR, WATER-COOLED COPPER	M3213
	SEPTUM, WALL-THICKNESS MEASURING-DEVICE UCID2219	
WATER-COOLED	INVESTIGATION OF PLASTIC EMBEDMENT RESINE (COMPOSITIONS	M3306
	FOR) MAGNET COILS (CONSTRUCTED OF) WATER-COOLED	
	CONDUCTOR, PROGRESS REPORT UCID2185	
WATER-COOLED	TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOWLOW	M3130
	CONDUCTOR	
WATER-COOLING	APPRAISAL OF MAGNET WATER-COOLING HOSES	M3208
WATERFLOW	(MODELING A) WATERFLOW ROTAMETER FOR LIQUID FREON	M3096
	(SERVICE)	
WAVEGUIDE	(ADVANCED ACCELERATOR,) AGS LINAC INJECTOR, ACCELERATING	M3341
	WAVEGUIDE COSTS UCID2308	
WAVEGUIDE	ACCELERATING WAVEGUIDE (FABRICATION) UCID2142	M3202
WEATHERHEAD	(BEVATRON, PROPOSED) DESIGN FOR HOSE BARBS FOR 1/4 INCH	M3293
	I.D. WEATHERHEAD H-9 HOSE	
WEATHERHEAD	WEATHERHEAD H-9 HOSE AND BARB (VARIATIONS TO ALLOW EASY	M3280
	ASSEMBLY AND) LEAK-TIGHTNESS	
WEIGHT	CONCRETE ROOF SHIELDING-BLOCKS, CALCULATIONS FOR WEIGHT,	M3030 -
	CENTER-OF-GRAVITY, MOMENTS, REACTIONS, SHEAR, AND	
	REINFORCING-STEEL UCID2329	
WELDED	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL	M3252
	HEMISPHERES	

æ

"<u>`</u>

1

* » ¥ * *

INDEX OF LRL BERKELEY M. E. DEPT. ENGR. NOTES AND SPECS SUPPLEMENT 10/15/64

\$

WEST-OUTSIDE-RADIUS	WEST-DUTSIDE-RADIUS TANGENT AREA PLATFORM, REINFORCEMENT. (BEVATRON)	M3207
WESTERN-GOLD-AND-PL		M3204
WF-BEAMS	(ADVANCED ACCELERATOR) MAIN-MAGNET-RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL (LONG) STEEL BEAMS, BEAM-SIZES, (STRESSES, SPACING AND DEFLECTION, COMMERCIAL) WF-BEAMS	M3336
WHOLE-BODY	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM	M3029
WHOLE-BODY	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL SYSTEM	M3231
WINDING	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T LONG COIL WINDING INSTRUCTIONS	M3123A
WINDING	(BEVATRON) GAP-MOUNTED FLIP-TARGET MK VIII-T SHORT COIL WINDING INSTRUCTIONS	M3136
WINDING-SUPPORTS	(BEVATRON MAGNET) COIL-END WINDING-SUPPORTS, (OUTER RADIUS REVISION FOR) BEAM-EXIT, (EXIT QUADRANTS II AND III)	M3089
WINDOWS	(BEVATRON VACUUM ENVELOPE) MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS	M3372
WINDOWS	(25-INCH) BUBBLE-CHAMBER BODY AND WINDOWS, STRESS CALCULATIONS UCID2071	M3232
WINDOWS	ANALYSIS (OF LONG RECTANGULAR) MEMBRANE VACUUM-JACKET WINDOWS	M3187
WORK-SHEET	WORK-SHEET FOR SOLVING A CUBIC-EQUATION	M3009
WORKSHOP	WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIVERSITY OF CALIFORNIA EXTENSION CENTER)	M3201
WRITING	(UNIVERSITY OF CALIFORNIA) TECHNICAL WRITING SEMINAR	M3205
WRITING	WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIVERSITY OF CALIFORNIA EXTENSION CENTER)	M3201
YOKE	(AUXILIARY) MAGNET (M4,) DESIGN OF YOKE LAMINATION BOLTS UCID2333	M3103
ZAPON	PRODUCTION OF THIN ORGANIC FILMS OF ZAPON NITROCELLULOSE	M3104
ZERO-ORDER	(ADVANCED ACCELERATOR STUDY) BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, (MAGNET AND) VACUUM-SYSTEM COST-ESTIMATE, ZERO-ORDER.	M3258
ZGS	(TOUR OF) COMPUTER INSTALLATION ZGS SYNCHROTRON, ARGONNE	M3373
~~~	NATIONAL LABORATORY	1100