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**Radiation Laboratory
Berkeley, California**

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Index No.	Title	Author	Date of Report	Classification	Distribution
UCRL-2634	Drafting Practices and Related Procedures	H. Johnson	1954	U	None
UCRL-3354	Routes to University of California Radiation Laboratory		3-56	U	None
UCRL-3911 Supplement	Longitudinal Dispersion in Solvent-Extraction Columns: Numerical Tables	A. K. McMullen T. Miyauchi T. Vermeulen	3-12-58	U	Internal
UCRL-8099	List of Classified Reports Received and Issued by the UCRL Information Division During the Period of December 16-31, 1957		1-3-58	C	Special
UCRL-8100	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of December 16-31, 1957		1-3-58	U	Special
UCRL-8108 (EN 7318-30 M8)	Heavy Ion Accelerator Pre-Stripper Tank Elastic Compression of Radially Loaded Helix	L. R. Lucas	1-17-58	U	None
UCRL-8112 (Bevatron 174)	Calibration of the Bevatron Internal Beam	W. A. Wenzel	1-29-58	U	None
UCRL-8116 Addendum	Documents Issued by the Technical Information Division - Addendum. July 1 through December 31, 1957		2-18-58	U	None

UCRL-8119 (EN 7910-58 M9)	Equipment Fabrication - Berkeley 15" Bubble Chamber First Run Chamber Study - November 23 - December 2, 1957	H. P. Hernandez	2-21-58	U	None
UCRL-8121	Radiolysis of Aqueous Solutions of Glycine	B. M. Weeks W. M. Garrison		U	None
UCRL-8122	List of Classified Reports Received and Issued by the UCRL Information Division During the Period of January 1-15, 1958		1-16-58	C	Special
UCRL-8123	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of January 1-15, 1958		1-16-58	U	Special
UCRL-8125 (EN 7911-30 M41)	72" Hydrogen Bubble Chamber Inflatable Gasket Tests - Summary	L. R. Lucas J. W. Hart	2-21-58	U	None
UCRL-8126 (EN 3140-01 M188)	Manpower Estimate - Job Summary	R. J. Burleigh W. W. Salsig A. O. DuBois R. Peters H. P. Hernandez	12-57	U	None
UCRL-8127 (EN 4320-20 M1)	Data Analysis Development - General Camera Development 72" Hydrogen Bubble Chamber Film Distortion and its Influence on Camera and Projector Design	D. Norgren	2-21-58	U	None
UCRL-8128 (EN 7910-58 M8)	Equipment Fabrication - Berkeley 15" Bubble Chamber First Run Optics Study	D. Norgren	2-21-58	U	None
UCRL-8129 (EN 3320-01 M114, pgs. 32, 33)	Hydrogen Safety Meeting - Fifteenth Meeting, January 14, 1958	H. P. Hernandez	2-25-58	U	None

UCRL-8130 (EN 7911-13 M1)	72 Hydrogen Bubble Chamber - Magnet Coils 1 MW Test Run Heat Balance, Pressure Drop, and Water Flow	W. F. Eaton	2-25-58	U	None
UCRL-8131 (EN 7911-81 M2)	72" Hydrogen Bubble Chamber Data Reduction Cost Estimate	R. J. Burleigh J. V. Franck	2-25-58	U	None
UCRL-8132 (EN 7911-01 M19A)	72" Hydrogen Bubble Chamber - General 72" Bubble Chamber Cost Review	H. P. Hernandez	2-25-58	U	None
UCRL-8133 (EN 7911-11 M10B)	72" Bubble Chamber, Magnet Coils, Data on Water Flow, Electrical Resistance and Con- ductor Joints	J. W. Hart	2-25-58	U	None
UCRL-8134 (EN 7911-11 M6)	72" Hydrogen Bubble Chamber Fabrication Magnet Design	W. F. Eaton H. P. Hernandez	2-21-58	U	None
UCRL-8135 (EN 4312-06 M1A)	72 Bubble Chamber Fourth Cost Estimate	H. P. Hernandez	2-25-58	U	None
UCRL-8136 (EN 7911-15 MT-1)	72" Hydrogen Bubble Chamber Rough Magnetic Measurements Using 1 Megawatt D. C. Generator	L. G. Ratner	2-25-58	U	None
UCRL-8143 (EN 3140-01 M137)	Hycar and Myvaseal Pressure - Deflection Characteristics	Reichhold H. P. Hernandez	2-25-58	U	None
UCRL-8144 (EN 7910-28 M1A)	Summary of Actual Construction Costs of Two Sets of 8" Aperature Quadrupole Focusing Magnets 7G4155	M. Carota	2-25-58	U	None
UCRL-8145 (EN 7318-30 M6A)	Heavy Ion Accelerator Engineering and Con- struction - Pre-Stripper Accel Tank and Support Structure Copper Welding for Maximum RF Conductivity	E. McLaughlin	2-25-58	U	None

UCRL-8146 (EN 7318-30 M7)	Fabrication Costs of the Heavy Ion Accelerator Tanks	E. McLaughlin L. P. Henderson	2-25-58	U	None
UCRL-8147 (EN 3140-01 MI71)	Vapor Pressures of Refrigerants and Miscellaneous Gases	F. Misch	7-23-57	U	None
UCRL-8149	The Nucleon-Antinucleon Interaction	G. F. Chew	1-29-58	U	None
UCRL-8154 (EN 7900-27 MT-1)	Bevatron Beam Deflection Magnet Graphs of Flux Density Data		2-20-58	U	None
UCRL-8155 (EN 7900-27 MT-2)	Bevatron 12 X 60 Beam Analyzer, Magnet No. 2 AEC No. 31609, Magnet Test 18502	P. G. Watson	2-20-58	U	None
UCRL-8159 (EN 7910-28 MT-1)	Magnetic Measurements 8" Bore 16' X 32" X 16" Quadrupole Magnets AEC No's. 49514, 49646	L. G. Ratner	2-20-58	U	None
UCRL-8160 (EN 7910-55 MT-1)	Bevatron Experimental Facilities 16000 Gauss @ 12-1/2" X 23-1/2" Pole Tip 6" Gap "C" Magnet	L. G. Ratner	2-20-58	U	None
UCRL-8161 (EN 4310-11 MT-1)	Bevatron H Magnet 18 X 36 8" Gap	L. G. Ratner	2-20-58	U	None
UCRL-8162 (EN 4111-63 CV-7)	Design of Strong Focusing Magnets for Linear Accelerators	E. L. Hubbard	2-20-58	U	None
UCRL-8163 (EN 4902-02 MT-2)	Magnetic Measurements of a Single 8" Long Quadripole with 4" Bore. Summary of Tests Made from 5-5-55 to 5-10-55. 8" Assembly Dwg. 5A3686-1 Coils Dwg. 5A3576	L. G. Ratner	2-20-58	U	None

UCRL-8164 (EN 4310-17 MT-5)	Construction of a Temperature Regulated Bismuth P.G. Watson Resistor		2-20-58	U	None
UCRL-8166 (EN 4601-81 M1)	High Current Cyclotron Preliminary Studies Case R. J. Burleigh I, Frequencies and Average Fields		3-18-58	U	None
UCRL-8167	List of Classified Reports Received and Issued by the UCRL Information Division During the Period of January 16-31, 1958		2-3-58	C	Special
UCRL-8168	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of January 16-31, 1958		2-3-58	U	Special
UCRL-8169 (EE-515)	Phototube Schematic for 6810, 6810A, C-7187	D. A. Mack	2-5-58	U	None
UCRL-8170 (EE-516)	Phototube Schematic for 7046 and C-7170	D. A. Mack	2-5-58	U	None
UCRL-8171 (EN 7307-01 M13A)	Bevatron Experimental Equipment 20,000 Gauss - 8" Gap - "H" Magnet (Proposed)	K. H. Lou	2-20-58	U	None
UCRL-8172 (EN 3320-01 M105)	Methods for Alignment of Magnets of a Large Synchrotron	W. M. Brobeck	2-20-58	U	None
UCRL-8184	List of Classified Reports Received and Issued by the UCRL Information Division During the Period of February 1-14, 1958		2-18-58	C	Special
UCRL-8185	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of February 1-15, 1958		2-18-58	U	Special
UCRL-8194	The Bare Particle Concept and Nucleon Electro-magnetic Structure	G. F. Chew	3-21-58	U	None

UCRL-8197	List of Classified Reports Received and Issued by the UCRL Information Division During the Period of February 16-28, 1958		3-4-58	C	Special
UCRL-8198	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of February 15-28, 1958		3-4-58	U	Special
UCRL-8200	Interaction of High Energy Protons and Alpha Particles with Iodine-127	I. -M. Ladenbauer	3-14-58	U	None
UCRL-8212	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of March 1-15, 1958		3-17-58	U	Special
UCRL-8234	List of Classified Reports Received and Issued by the UCRL Information Division During the Period of March 1-31, 1958		4-2-58	C	Special
UCRL-8235	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of March 16-31, 1958		4-2-58	U	Special
UCRL-8250	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of April 1-15, 1958		4-17-58	U	Special
UCRL-8254 (EN 4513-41 CV-1)	Astron Pulsed Electron Gun	K. W. Ehlers	4-2-58	S	None
UCRL-8260	Antinucleons	E. Segre	6-17-58	U	None
UCRL-8271	List of Classified Reports Received and Issued by the UCRL Information Division During the Period of April 1-30, 1958		5-2-58	C	Special
UCRL-8272	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of April 15-30, 1958		5-2-58	U	Special

UCRL-8286	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of May 1-15, 1958	5-16-58	U	Special
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UCRL-8310	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of May 16-31, 1958	6-2-58	U	Special
UCRL-8332	List of Unclassified Reports Received and Issued by the UCRL Information Division During the Period of June 1-15, 1958	6-19-58	U	Special
UCRL-8335	Film Script Describing UCRL Activities UCRL High School Teachers Program 1957		U	None