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July 1 through December 31, 1953

Radiation Laboratory, Department of Physics
University of California, Berkeley, California

April 1, 1954

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UCRL-565 Revised	Transition Curves of 330 Mev Bremsstrahlung	W. Blocker R. Kenney W. K. H. Panofsky	1/24/52	U	None
UCRL-869 Revised	90 Mev Neutron-Proton Scattering at Large Proton Angles	R.W. Wallace (Thesis)	11/6/52	U	None
UCRL-1410 Revised	The Scattering of Protons from Carbon	P.A. Wolff	3/12/52	U	Unclassified- Physics
UCRL-1473 Revised	Alpha Radioactivity of Nuclides with Atomic Numbers Less Than 83	J.O. Rasmussen, Jr.	12/14/51	U	None
UCRL-1624	Minutes of Meeting of MTA Review Committee Held December 4, 1951	M.F. Moore	12/4/51	S	Internal
UCRL-1625	Minutes of Meeting of MTA Review Committee Held at Livermore December 20, 1951	M.F. Moore	12/20/51	S	Internal
UCRL-1630	Proposed J-16 Job Sub-Divisions	W. Salsig R. Burleigh	12/17/51	C	Internal
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UCRL-2155	UCRL Lectures on Numerical Analysis and Applied Mathematics. Lecture XIII. "Monte Carlo Methods"	J. Winokur	12/16/52	U	Internal
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UCRL-2344	An Electron Model Phase-Compensated C-W Cyclotron Compiled by Robert Pyle; Work done by Robert Pyle, John Jungerman, Elmer Kelly, J. R. Richardson, Lawrence Ruby, Robert Thornton, and Byron Wright		9/24/53	C	Particle Accelerators and High-Voltage Machines
UCRL-2345	Medical and Health Physics Quarterly Report April, May, June, 1953		9/21/53	U	Unclassified- Health and Biology
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UCRL-2348	A Note on the Production of Positive Mesons in Heavy Nuclei	S. Gasiorowicz	9/30/53	U	Unclassified- Physics

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UCRL-2365 Abstract	Relative Low Energy Pion Production Cross Sections by Photons on Hydrogen	R. Sagane W. F. Dudziak	10/14/53	U	None
UCRL-2366 Abstract	Dependence of Relative Low Energy n^+ Production Cross Section on Atomic and Neutron Numbers	W.F. Dudziak R. Sagane	10/14/53	U	None
UCRL-2367 Abstract	Neutron Total Cross Section for Bismuth and Uranium between 45 and 130 Mev	W.I. Linlor B. Ragent	10/15/53	U	None
UCRL-2368 Abstract	Total Neutron Cross Sections for Carbon, Iron, Antimony and Tantalum from 35 to 180 Mev	B. Ragent W.I. Linlor	10/15/53	U	None
UCRL-2369	The Path of Carbon in Photosynthesis. XXI. The Cyclic Regeneration of Carbon Dioxide Acceptor	J.A. Bassham A.A. Benson L.D. Kay A.Z. Harris A.T. Wilson M. Calvin	10/53	U	Unclassified-Chemistry
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UCRL-2373	Proton-Proton Scattering at 9.7 Mev	B. Cork W. Hartsough	10/30/53	U	Unclassified- Physics
UCRL-2374	The Effect of Thyroid Extract on Serum Lipoproteins and Serum Cholesterol	B. Strisower J. Gofman E. Galioni A. Almada A. Simon	10/22/53	U	Unclassified- Health and Biology
UCRL-2375	List of Classified Reports Received in the UCRL Information Division During the Period of October 1-15, 1953		10/15/53	S	Special
UCRL-2376	List of Unclassified Reports Received in the UCRL Information Division During the Period of October 1-15, 1953		10/15/53	U	Internal
UCRL-2377 Abstract	Description of New Mutants	Hildreth	10/16/53	U	None
UCRL-2378 Abstract	The RF System of the Bevatron	C.N. Winningstad	10/22/53	U	None
UCRL-2379	Neon 18	J.D. Gow L.W. Alvarez	10/22/53	U	Unclassified- Physics
UCRL-2380	The Scattering of Electrons by Atomic Nuclei	P.C. Giles (Thesis)	9/53	U	Unclassified- Physics
UCRL-2381	Interaction of Heparin Active Factor and Egg-Yolk Lipoprotein	A.V. Nichols L. Rubin F.T. Lindgren	10/53	U	Unclassified- Health and Biology
UCRL-2382	Bevatron Research Meeting I - Bevatron as a Research Instrument	E. Lofgren	10/6/53	U	Internal
UCRL-2383	Bevatron Research Meeting - II - Cosmotron	O. Chamberlain	10/13/53	U	Internal
UCRL-2384	Bevatron Research Meeting III - Bevatron Theory	L. Smith	10/20/53	U	Internal

UCRL-2386	Nuclear Events at Moderately High Energies	J.V. Lepore R.N. Stuart	11/17/53	U	Unclassified- Physics
UCRL-2387	Pile Neutron Production Yield Curves Calculated Using the UCRL Differential Analyzer	R.J. Barrett J. Killeen J.O. Rasmussen, Jr. S.G. Thompson	10/30/53	S	Physics and Mathematics
UCRL-2389	Vapor-Pressures of Americium Trifluoride and Americium Metal	S.C. Carniglia (Thesis)	11/53	U	Unclassified- Chemistry
UCRL-2390	Bevatron Research Meeting - IV-- Bevatron Targets and Probes	W. Chupp	10/27/53	U	Internal
UCRL-2391	List of Classified Reports Received in the UCRL Information Division During the Period of October 16-31, 1953		11/2/53	S	Special
UCRL-2392	List of Unclassified Reports Received in the UCRL Information Division During the Period of October 16-31, 1953		11/2/53	U	Internal
UCRL-2394	Preparation of Diethyl Malonate-2-C ¹⁴	D. Chin P. Adams	11/53	U	Unclassified- Chemistry
UCRL-2395	Monthly Progress Report No. 126 September 15, 1953 to October 15, 1953		11/5/53	C	Special
UCRL-2396	Bevatron Research Meeting V - High Energy Nuclear Interaction	J. Lepore	11/3/53	U	Internal
UCRL-2398	Bevatron Research Meeting VI - High Energy Nuclear Interaction (continued)	J. Lepore	11/10/53	U	Internal
UCRL-2399	High Energy Events Abstract	J.V. Lepore M. Neuman R.N. Stuart	11/53	U	None

UCRL-2400 Abstract	Meson Nucleon Scattering. I.	R.J. Riddell, Jr. B.D. Fried	11/53	U	None
UCRL-2401 Abstract	Meson Nucleon Scattering. II.	B.D. Fried R.J. Riddell, Jr.	11/53	U	None
UCRL-2402 Abstract	Effect of Negative Energy Components in the Two-Nucleon System	R. Arnowitt S. Gasiorowicz	11/18/53	U	None
UCRL-2403 Abstract	Virtual States of Two Meson Systems	S. Deser R. Arnowitt	11/53	U	None
UCRL-2404 Abstract	π^+ Production Cross Sections from Deuterium	W.F. Dudziak	11/53	U	None
UCRL-2405 Abstract	π^+/π^- Ratios at Low Energies from Complex Nuclei	R. Sagane W.F. Dudziak	11/18/53	U	None
UCRL-2406	List of Classified Reports Received in the UCRL Information Division During the Period of November 1-15, 1953		11/16/53	S	Special
UCRL-2407	List of Unclassified Reports Received in the UCRL Information Division During the Period of November 1-15, 1953		11/16/53	U	Internal
UCRL-2408	Project Whitney Administrative Progress Report for the Period Ending October 31, 1953		11/17/53	C	Special
UCRL-2409	Eddy Currents in the 184 Cyclotron Dee	D.L. Judd S. Gasiorowicz E. Kelly	11/16/53	U	Internal
UCRL-2410	The Acceleration of Nitrogen ¹⁴ (+6) Ions in a 60 Inch Cyclotron	G.B. Rossi W.B. Jones J.M. Hollander J.G. Hamilton	11/18/53	U	None

UCRL-2411	Reactions of U^{238} with Cyclotron Produced Nitrogen Ions	A. Ghiorso G.B. Rossi B.G. Harvey S.G. Thompson	11/18/53	U	None
UCRL-2412	Part A: A Cloud-Chamber Study of Cosmic-Ray Air Showers at Sea Level Part B: A Diffusion Cloud Chamber of Unusually Large Dimensions	K.E. Relf (Thesis)	11/53	U	Unclassified-Physics
UCRL-2413	The Electron Compton Effect at 250 Mev	F.H. Coensgen (Thesis)	11/53	U	Unclassified-Physics
UCRL-2414	Excitation Function for Positive Pions Produced at 90° in Proton-Carbon Collisions	D.A. Hamlin	11/20/53	U	Unclassified-Physics
UCRL-2415	Meeting VII - Bevatron Research Conference "Counting Equipment for the Bevatron"	C. Wiegand	11/17/53	U	None
UCRL-2416	A Thermodynamic Study of Gaseous Oxides	R.F. Porter (Thesis)	12/53	U	Unclassified-Chemistry
UCRL-2419	The Alpha and Gamma Ray Spectra of Pu^{238}	F. Asaro I. Perlman	11/25/53	U	Unclassified-Chemistry
UCRL-2420	List of Classified Reports Received in the UCRL Information Division During the Period of November 16-30, 1953		12/1/53	S	Special
UCRL-2421	List of Unclassified Reports Received in the UCRL Information Division During the Period of November 16-30, 1953		12/1/53	U	Internal
UCRL-2423	On the Low-Energy Pion-Nucleon Interaction	O. Heinz (Thesis)	11/53/52	U	Unclassified-Physics
UCRL-2424	Cross Sections for Production of π^- Mesons by 335-Mev Protons as a Function of Atomic Number	J. Merritt (Thesis)	11/53	U	Unclassified-Physics

UCRL-2425	The Photoproduction of π^0 Mesons from Hydrogen and Deuterium	C.G. Andre (Thesis)	11/53	U	Unclassified-Physics
UCRL-2428	Monthly Progress Report No. 127 October 15, 1953 to November 15, 1953		12/7/53	C	Special
UCRL-2429	Meeting VIII - Bevatron Research Conference "Geometrical Interpretation of Energy-Momentum Conservation in Collisions"	J. Blaton (E. Segre)	12/8/53	U	None
UCRL-2431	Theory of Alpha Decay of Spheroidal Nuclei	J.O. Rasmussen, Jr.	12/10/53	U	Unclassified-Chemistry
UCRL-2433	Transcurium Isotopes Produced in the Neutron Irradiation of Plutonium	S.G. Thompson A. Ghiorso B.G. Harvey G.R. Choppin	12/10/53	U	None
UCRL-2436	List of Classified Reports Received in the UCRL Information Division During the Period of December 1-15, 1953		12/15/53	S	Special
UCRL-2437	List of Unclassified Reports Received in the UCRL Information Division During the Period of December 1-15, 1953		12/15/53	U	Internal
UCRL-2439	Project Whitney Administrative Progress Report for the Period Ending November 30, 1953		12/18/53	C	Internal
UCRL-2440	The Adsorption Spectrum of PuF_3	R.D. McLaughlin (Thesis)	12/53	D.	Physics Mathematics
UCRL-2442	Meeting IX - Bevatron Research Conference "Bevatron Physics"	R. Karplus	12/15/53	U	None

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