

Lawrence Berkeley National Laboratory

LBL Publications

Title

Index of Berkeley UCRL Reports Issued in 1961

Permalink

<https://escholarship.org/uc/item/0j06h62n>

Author

Lawrence Berkeley National Laboratory

Publication Date

1962-09-01

Copyright Information

This work is made available under the terms of a Creative Commons Attribution License, available at <https://creativecommons.org/licenses/by/4.0/>

University of California

**Ernest O. Lawrence
Radiation Laboratory**

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-10000
Vol. 1961

UNIVERSITY OF CALIFORNIA
Lawrence Radiation Laboratory
Berkeley, California

Contract No. W-7405-eng-48

INDEX OF BERKELEY UCRL REPORTS
ISSUED IN 1961

Technical Information Division

September 1962

INDEX OF BERKELEY UCRL REPORTS
ISSUED IN 1961

Contents

Section I

Biology and Medicine	1 - 5
Chemistry and Chemical Engineering	5 - 15
Controlled Thermonuclear Processes	15 - 18
Electronics and Instruments	18 - 22
Engineering and Equipment	22 - 24
General, Miscellaneous, and Progress Reports	24
Geosciences and Astrosciences.	24 - 25
Health and Safety	25
Mathematics and Computers	25 - 26
Metals, Ceramics, and Materials	26 - 27
Nuclear and Particle Physics	27 - 57
Nuclear and Particle Research Instrumentation	57 - 58
Particle Accelerators and High-Voltage Machines	58 - 60
Physics	60 - 67

Section II

Authors' Names and Key Words Index	71 - 106
Report Number Index	109 - 114

INDEX OF BERKELEY UCRL REPORTS
ISSUED IN 1961

Technical Information Division

September 1962

INTRODUCTION

This is a list and index of unclassified UCRL Reports published by the Lawrence Radiation Laboratory, University of California at Berkeley, California in 1961. It does not include (1) reports published by the Laboratory at Livermore, California, (2) reports prepared for intra-Laboratory distribution only, or (3) security-classified reports.

Translations made or ordered by Lawrence Radiation Laboratory, Berkeley, are included and are indicated by the abbreviation "Trans" in the report number.

Reports included in this volume are those cited in the 1961 issues of "Unclassified Reports Title List" (UCRL-12000, Vol. 3). Because there is a slight lag between the date when a report is published and when its title appears in UCRL-12000, a few reports published in late 1960 appear in this index while a few published in late 1961 do not appear. Frequently the date of the report (the one shown on the report) is considerably earlier than the date of publication (distribution).

This index is divided into two sections. The first consists of the complete report citation arranged under broad subject divisions (see Table of Contents) and subarranged within the divisions by report number. Slight changes have been made in some titles to verbalize symbols, to suit limited punctuation facility of the computer used to prepare this index, or to avoid confusing alpha-numeric notations. Please note that in some cases when a title is poor or meaningless for a subject approach (keyword-in-context), it has

been necessary to add words or phrases to best describe the subject content of the report. These words or phrases are enclosed in parentheses and added to the line below the original title. The information given in parenthesis is not to be confused in a citation with the report title. The second section of this list is a subject-author and report-number index to the citations appearing in the first section. This index is prepared on the IBM 1401 computer by the arrangement of authors and words within the report title in alphabetical order. These words and names are presented alphabetically in a central position on the page with no entry inversion. In addition to the entry title word or author's name, each line of the index contains the remainder of the title, etc. up to a total of sixty characters and spaces. About 350 recurring nonsignificant words that may appear in report titles are not included as index entries.

Section I of this list can be used for scanning purposes, and Section II for the location of specific information by author, subject, or report number.

In Section I all citations are assigned a consecutive serial number. The same serial number is assigned to each index entry for a given report. The first three digits of the serial number are the identifying figures for a particular report. For example 099 61, . . . 099 is the reference number for the 99th report in Section I, the last two digits, 61, refer to the 1961 volume of this index series.

This volume is the second of a new series. The previous volume covered the year 1960. Suggestions for improvements of this index are welcome and should be addressed to the Technical Information Division, Lawrence Radiation Laboratory, Berkeley.

INDEX OF BERKELEY UCRL REPORTS, 1961
BIOLOGY AND MEDICINE

001 61
 UCRL-9419 A STUDY OF THE METABOLIC FATE OF THE RADIATION
 PROTECTIVE COMPOUNDS, S₂ AMINO ETHYLISOTHIURONIUM BROMIDE,
 AET, IN THE RAT. F. P. CONTE
 OCTOBER 10, 1960 76P
 THESIS

002 61
 UCRL-9440 THE ORIGIN OF LIFE ON EARTH AND ELSEWHERE. 2.
 M. CALVIN
 OCTOBER 19, 1960 41P

003 61
 UCRL-9454 EXPERIMENTAL SETUP AND DOSIMETRY FOR
 INVESTIGATING BIOLOGICAL EFFECTS OF DENSELY IONIZING
 RADIATIONS. T. BRUSTAD, P. ARIOTTI, AND J. LYMAN
 OCTOBER 28, 1960 30P

004 61
 UCRL-9495 GENETIC INFLUENCES ON MATING BEHAVIOR IN
 DROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
 DECEMBER 6, 1960 28P
 SUBMITTED FOR PUBLICATION IN BEHAVIOR

005 61
 UCRL-9495-REV GENETIC INFLUENCES ON MATING BEHAVIOR IN
 DROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
 MARCH 28, 1961 28P
 SUBMITTED FOR PUBLICATION IN BEHAVIOR

006 61
 UCRL-9518 BIO- RADIOLOGY IN SPACE AND IN THE LABORATORY.
 R. WALLACE
 JANUARY 17, 1961 51P
 TO BE GIVEN AT THE LECTURES IN AEROSPACE MEDICINE AT THE
 SCHOOL OF AVIATION MEDICINE, BROOKS AIR FORCE BASE, TEXAS

007 61
 UCRL-9519, UCRL-9652, UCRL-9772 BIO ORGANIC CHEMISTRY
 QUARTERLY REPORT.
 JANUARY 31, 1961, APRIL 1961, JUNE 29, 1961
 FOR SEPTEMBER 1960 THROUGH MAY 1961

008 61
 UCRL-9533 QUANTUM CONVERSION IN PHOTOSYNTHESIS.
 M. CALVIN
 JANUARY 1961 51P

INDEX OF BERKELEY UCRL REPORTS, 1961

009 61
 UCRL-9592 THE LIPID SYNDROME IN MAMMALIAN RADIOBIOLOGY
 WITH EMPHASIS ON POSTIRRADIATION PROTECTION OF ANIMALS WITH
 LIPIDS. J. K. ASHIKAWA
 MARCH 1, 1961 127P
 THESIS

010 61
 UCRL-9596-ABSTRACT BIOLOGICAL EFFECTS OF HEAVY RADIATION
 PARTICLES. C. A. TOBIAS
 FEBRUARY 28, 1961 2P
 FOR PRESENTATION AT 2ND INTERNATIONAL CONGRESS OF
 NEUROLOGICAL SURGERY, WASHINGTON, D. C., OCTOBER 14-20,
 1961

011 61
 UCRL-9617 BIOLOGY AND MEDICINE SEMIANNUAL REPORT.
 MARCH 1961 104P
 FOR APRIL THROUGH SEPTEMBER 1960

012 61
 UCRL-9676-ABSTRACT TEMPERATURE SHOCK AND CROSSING OVER IN
 FERTILIZED EGGS OF DROSOPHILA MELANOGASTER. P. E. HILDRETH
 APRIL 1961 1P
 FOR PRESENTATION AT GENETICS SOCIETY OF AMERICA, PURDUE
 MEETING, AUGUST 28-30, 1961

013 61
 UCRL-9681 STIMULATION OF THE CORNEAL BLINKING REFLEX
 BY IONIZING RADIATION. C. TOBIAS, J. LUCE, N. YANNI,
 T. BRUSTAD, J. LYMAN, AND S. KIMURA
 MAY 4, 1961 16P

014 61
 UCRL-9688 PREPARATION OF BIOLOGICAL MATERIAL FOR
 RADIOAUTOGRAPHIC STUDIES OF INTERMEDIARY METABOLISM.
 V. MOSES
 MAY 1961 33P

015 61
 UCRL-9698-ABSTRACT COMPARISON OF CHEMICAL ACTIONS OF
 IONIZING RADIATION ON PROTEIN IN SOLUTION AND IN THE SOLID
 STATE. W. M. GARRISON
 MAY 1961 1P
 PAPER TO BE PRESENTED AT THE BRITISH BIOPHYSICAL SOCIETY
 SYMPOSIUM ON THE EFFECTS OF IONIZING RADIATIONS ON ORGANIC
 AND BIOLOGICAL SOLIDS, LABORATORIE DE CHIMIE PHYSIQUE,
 PARIS, JULY 3-4, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

- UCRL-9715 THE FINE STRUCTURE OF NORMALIZED IRRADIATED
YEAST CELLS AND YEAST RIBOSOMES. J. K. KOEHLER
JUNE 20, 1961 80P
016 61
THESIS
- UCRL-9718 METABOLIC STUDIES WITH FE-59, CA-47, AND C-11
IN VARIOUS DISEASES. T. SARGENT
MAY 1961 20P
FOR PRESENTATION AT IAEA VIENNA SYMPOSIUM ON WHOLE BODY
COUNTING, JUNE 12-16, 1961
017 61
- UCRL-9755 SELECTIVE BETA IRRADIATION OF THE LYMPHATIC
SYSTEM USING INTERNALLY ADMINISTERED Y-90 DTPA, KINETICS,
DOSIMETRY AND BIOLOGICAL EVALUATION. H. S. WINGHELL
JUNE 14, 1961 161P
018 61
THESIS
- UCRL-9770 EFFECTS OF ENVIRONMENTAL COMPLEXITY AND
TRAINING ON BRAIN CHEMISTRY AND ANATOMY, A REPLICATION AND
EXTENSION. M. R. ROSENZWEIG, D. KRECH, E. L. BENNETT, AND
M. C. DIAMOND
JUNE 1961 26P
SUBMITTED FOR PUBLICATION IN JOURNAL OF COMPARATIVE AND
PHYSIOLOGICAL PSYCHOLOGY
019 61
- UCRL-9783 FERTILIZATION IN D MELANOGASTER AND D
VIRILIS. P. E. HILDRETH AND J. C. LUCCHESI
JUNE 1961 1P
020 61
- UCRL-9784 EVOLUTION OF PHOTOSYNTHETIC MECHANISMS. M.
CALVIN
JUNE 30, 1961 42P
SUBMITTED FOR PUBLICATION IN PERSPECTIVES IN BIOLOGY
AND MEDICINE
021 61
- UCRL-9799 BIOELECTRIC EFFECTS OF HIGH ENERGY
IRRADIATION ON NERVE. C. T. GAFFEY
JULY 1961 35P
BOOK - ACADEMIC PRESS
022 61

INDEX OF BERKELEY UCRL REPORTS, 1961

UCRL-9813 RADIATION INDUCED OXIDATION OF PROTEIN IN
 AQUEOUS SOLUTION. W. M. GARRISON, M. E. JAYKO, AND W.
 BENNETT 023 61
 AUGUST 1961 35P
 SUBMITTED FOR PUBLICATION IN RADIATION RESEARCH

UCRL-9823 ELECTRON PARAMAGNETIC RESONANCE IN BIOLOGY.
 G. M. ANDROES AND M. CALVIN 024 61
 AUGUST 15, 1961 75P
 SUBMITTED FOR PUBLICATION IN THE PROCEEDINGS OF 1ST
 INTERNATIONAL BIOPHYS. CONGRESS, STOCKHOLM, JULY 31 TO
 AUGUST 6, 1961, PUBLISHED BY PERGAMON PRESS

UCRL-9825 THE METABOLISM OF C-14 RIBULOSE DIPHOSPHATE BY
 SPINACH CHLOROPLASTS. R. B. PARK AND N. G. PON 025 61
 AUGUST 1961 10P
 SUBMITTED FOR PUBLICATION IN BIOCHIM. BIOPHYS. ACTA

UCRL-9826 RELATIONS BETWEEN BRAIN CHEMISTRY AND PROBLEM
 SOLVING AMONG RATS RAISED IN ENRICHED AND IMPOVERISHED
 ENVIRONMENTS. D. KRECH, M. R. ROSENZWEIG, AND E. L.
 BENNETT 026 61
 AUGUST 1961 30P
 SUBMITTED FOR PUBLICATION IN COMPARATIVE PHYSIOLOGY AND
 PSYCHOLOGY

UCRL-9827 EFFECTS OF AGE OF TRAINING ON CHOLINESTERASE
 ACTIVITY IN THE BRAINS OF MAZE BRIGHT RATS. J. F. ZOLMAN
 AND H. MORIMOTO 027 61
 AUGUST 1961 23P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF COMPARATIVE
 AND PHYSIOLOGICAL PSYCHOLOGY

UCRL-9831 EXPERIMENTAL AND TISSUE VARIATION IN TRACER
 STUDIES OF INTERMEDIARY METABOLISM OF ISOLATED RAT LIVER.
 V. MOSES, A. K. HUGGINS, AND M. J. H. SMITH 028 61
 AUGUST 1961 20P
 SUBMITTED FOR PUBLICATION IN ANALYTICAL BIOCHEMISTRY

UCRL-9849 COMPARISON OF THE EFFECTS OF WHOLE BODY X-
 IRRADIATION AND FASTING ON THE PLASMA LIPIDS OF MICE. C.
 S. REHNBORG, J. S. ASHIKAWA, AND A. V. NICHOLS 029 61
 SEPTEMBER 1961 14P

INDEX OF BERKELEY UCRL REPORTS, 1961

030 61
 UCRL-9862 RED CELL MASS AND LIFE SPAN IN THE RAT DURING PERIODS OF PHYSIOLOGICAL HYPERTRANSFUSION. H. G. PARKER
 SEPTEMBER 15, 1961
 THESIS

031 61
 UCRL-9903 ON PH EFFECTS IN THE RADIOLYSIS OF AQUO-ORGANIC SYSTEMS. W. M. GARRISON, B. M. WEEKS, AND S. COLE
 OCTOBER 1961 23P

032 61
 UCRL-9958 A PORTABLE DEVICE FOR CONSTANT INFUSION OF THE AMBULATORY PATIENT. R. JOHNSON, P. DOWLING, AND D. VAN DYKE
 NOVEMBER 17, 1961 6P

033 61
 UCRL-TRANS-682 RADIOMETER FOR MEASURING IODINE-131 IN THE HUMAN THYROID GLAND. V. A. GRYZGUNOV
 12P
 TRANSLATED FROM RUSSIAN BY D. NIMIDOFF FROM A PUBLICATION OF ORDENA LENINA INSTITUT ATOMNOI ENERGII IM. I. V. KURCHATOVA, AKADEMIIA NAUK U. S. S. R. (AKADEMIIA NAUK U. S. S. R. INSTITUT ATOMNOI ENERGII, 1960)

034 61
 UCRL-TRANS-693 LIGHT-INDUCED ELECTRON SPIN RESONANCE (SIGNAL) IN CRYSTALLINE CHLOROPHYLL IN THE PRESENCE OF WATER VAPOR. V. E. KHOLMOGOROV AND A. N. TERENIN
 1961 9P
 TRANSLATION BY ERIK ARNHEN (LRL) OF AKADEMIIA NAUK S.S.S.R. DOKLADY 137,199-202(1961)

035 61
 UCRL-TRANS-695 A POSSIBLE EXPLANATION OF ANOMALIES IN BIOLOGICAL ISOTOPE EFFECTS, OBSERVED IN D2O-16 AND H2O-18. S. Z. ROGINSKII AND S. E. SHNOL
 TRANSLATION FROM RUSSIAN BY S. SHEWCHUCK, JULY 1961, FROM AKADEMIIA NAUK U.S.S.R. DOKLADY 137,706-9(1961)

CHEMISTRY AND CHEMICAL ENGINEERING

036 61
 UCRL-8225-REV CRYSTAL STRUCTURE OF VANADYL BISACETYLACETONATE. GEOMETRY OF VANADIUM IN FIVE-FOLD COORDINATION. R. P. DODGE, D. H. TEMPLETON, AND A. ZALKIN
 NOVEMBER 1960 23P
 SUBMITTED FOR PUBLICATION IN THE JOURNAL OF CHEMICAL PHYSICS

INDEX OF BERKELEY UCRL REPORTS, 1961

037 61
 UCRL-8972-REV NUCLEAR QUADRUPOLE RESONANCE IN $TiCl_4$,
 $ThCl_4$, $NbCl_5$, AND $TaCl_5$. A. H. REDDOCH
 NOVEMBER 4, 1960 24P
 SUBMITTED FOR PUBLICATION IN THE JOURNAL OF CHEMICAL
 PHYSICS

038 61
 UCRL-9039 SOME CHARACTERISTICS OF A STRONTIUM-90 BETA
 PARTICLE RADIATION DETECTOR FOR GAS-LIQUID CHROMATOGRAPHY.
 F. T. UPHAM, F. T. LINDGREN, AND A. V. NICHOLS
 NOVEMBER 3, 1960 21P
 SUBMITTED FOR PUBLICATION IN ANALYTICAL CHEMISTRY

039 61
 UCRL-9203 AN ANALYSIS OF THE ABSORPTION SPECTRA OF
 $Tm(IV)$ AND $Am(IV)$. J. B. GRUBER
 JANUARY 1961 153P
 THESIS

040 61
 UCRL-9332 OXIDATION POTENTIAL OF THE $Ce(III)$, $Ce(IV)$
 COUPLE AS A FUNCTION OF TEMPERATURE IN PERCHLORIC ACID SOLUTIONS,
 THERMODYNAMIC PROPERTIES. H. L. CONLEY
 ND 46P
 THESIS

041 61
 UCRL-9363-REV THE RADIOLYSIS OF BIACETYL VAPOR.
 G. J. MAINS, A. S. NEWTON, AND A. F. SCIAMANNA
 MARCH 14, 1961 26P

042 61
 UCRL-9373 STUDIES ON THE CARBOXYDISMUTASE SYSTEM AND
 RELATED MATERIALS. N. G. PON
 AUGUST 1960 195P
 THESIS

043 61
 UCRL-9490 PRODUCTION OF PYRAZINE DERIVATIVES IN THE
 RADIOLYSIS OF AQUEOUS SOLUTIONS OF THE CYCLIC DIPEPTIDES.
 M. KLAND-ENGLISH AND W. M. GARRISON
 NOVEMBER 1960 6P
 SUBMITTED FOR PUBLICATION IN NATURE

044 61
 UCRL-9499 GAS CHROMATOGRAPHIC ANALYSIS OF FATTY ACIDS
 FROM DIALYSED LIPOPROTEINS. A. V. NICHOLS, C. S. REHNBORG,
 AND F. T. LINDGREN
 DECEMBER 14, 1960 15P

INDEX OF BERKELEY UCRL REPORTS, 1961

045 61
 UCRL-9501 THE USE OF ELECTRIC DISCHARGES IN CHEMICAL
 SYNTHESIS. W. L. JOLLY
 DECEMBER 14, 1960 59P
 TO BE PUBLISHED AS A CHAPTER IN THE BOOK, TECHNIQUE OF
 INORGANIC CHEMISTRY

046 61
 UCRL-9512 AN INTERFEROMETRIC STUDY OF ATOMIC MERCURY
 SPECTRAL LINES. R. BERG
 DECEMBER 1960 23P

047 61
 UCRL-9521 FATTY ACID COMPOSITION OF MOUSE LIPIDS AND
 LIPOPROTEINS. C. S. REHNBORG, A. V. NICHOLS, AND
 J. K. ASHIKAWA
 JANUARY 1961 8P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF EXPERIMENTAL
 BIOLOGY AND MEDICINE

048 61
 UCRL-9530-ABSTRACT ISOMERIC CHEMICAL SHIFTS IN ODD PROTON
 NUCLEI. D. A. SHIRLEY
 JANUARY 1961 1 P
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, MONTEREY, MARCH 1961

049 61
 UCRL-9537 ANHARMONIC POTENTIAL CONSTANTS AND THEIR
 DEPENDENCE UPON BOND LENGTH. D. R. HERSCHBACH AND
 V. W. LAURIE
 JANUARY 1961 21P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMISTRY
 PHYSICS

050 61
 UCRL-9565 NUCLEAR MAGNETIC RESONANCE FLUORINE-FLUORINE
 COUPLING CONSTANTS IN SATURATED ORGANIC COMPOUNDS.
 L. PETRAKIS AND C. H. SEDERHOLM
 FEBRUARY 1961 25P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

051 61
 UCRL-9566 CHEMISTRY DIVISION ANNUAL REPORT, 1961.
 FEBRUARY 1961 331P

INDEX OF BERKELEY UCRL REPORTS, 1961

052 61
 UCRL-9571 STUDIES ON HUMAN SERUM PHOSPHOLIPIDS AND
 PHOSPHOLIPID FATTY ACID COMPOSITION BY EXTENDED SILICIC ACID
 CHROMATOGRAPHY. G. J. NELSON
 FEBRUARY 1961 33P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF LIPID RESEARCH

053 61
 UCRL-9572 TEMPERATURE DEPENDENT CHEMICAL SHIFTS IN THE
 NUCLEAR MAGNETIC RESONANCE SPECTRA OF GASES. L. PETRAKIS
 AND C. H. SEDERHOLM
 FEBRUARY 1961 17P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

054 61
 UCRL-9576 REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS.
 K ATOMS WITH CH₃I AND C₂H₅I. D. R. HERSCHBACH, G. H. KWEI,
 AND J. A. NORRIS
 FEBRUARY 1961 6P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

055 61
 UCRL-9584 AN ANALYSIS OF THE INFRARED ABSORPTION SPECTRUM
 OF TRIVALENT AMERICIUM (5F-6J) IN LaCl₃. J. B. GRUBER
 MARCH 10, 1961 24P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

056 61
 UCRL-9586 THE INFRARED SPECTRA OF MARGINALLY METALLIC
 SYSTEMS, SODIUM AMMONIA SOLUTIONS. T. A. BECKMAN AND
 K. S. PITZER
 FEBRUARY 1961 25P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF PHYSICAL
 CHEMISTRY

057 61
 UCRL-9590 BOND ENERGIES, VALENCE STATE ENERGIES AND
 RESONANCE. G. R. SOMAYAJULU
 FEBRUARY 1961 51P

058 61
 UCRL-9603 THE CHEMICAL INTERACTION OF ACCELERATED
 CARBON-14 IONS WITH BENZENE. R. T. MULLEN
 MARCH 14, 1961 263P
 THESIS

INDEX OF BERKELEY UCRL REPORTS, 1961

059 61
 UCRL-9615 HYDRIDES OF GERMANIUM, TIN, ARSENIC AND
 ANTIMONY. W. L. JOLLY AND J. E. DRAKE
 MARCH 1961 14P
 SUBMITTED FOR PUBLICATION IN MCGRAW HILL BOOK, INORGANIC
 SYNTHESIS

060 61
 UCRL-9654 ABSORPTION AND SELF LUMINESCENCE SPECTRA OF
 TRIVALENT CALIFORNIUM (5F-9). J. G. CONWAY, J. B. GRUBER,
 E. K. HULET, R. J. MORROW, AND R. C. GUTMACHER
 APRIL 18, 1961 9P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

061 61
 UCRL-9655-ABSTRACT EFFECTS OF N-ACYL SUBSTITUTION ON
 RADIATION CHEMICAL PROPERTIES OF THE ALPHA AMINO ACID.
 B. M. WEEKS, M. KLAND-ENGLISH, AND W. M. GARRISON
 1961
 FOR PRESENTATION AT RADIATION RESEARCH MEETING,
 MAY 15-17, 1961, WASHINGTON, D. C.

062 61
 UCRL-9659 CLOSE CAPTURE ADSORPTION SYSTEM FOR REMOTE
 RADIO-ISOTOPE CHEMISTRY. N. C. SPENCER, T. C. PARSONS AND
 P. W. HOWE
 AUGUST 17, 1961 27P

063 61
 UCRL-9694 TABLE OF VIBRATIONAL FORCE CONSTANTS. D. R.
 HERSCHBACH AND V. W. LAURIE
 JULY 1961
 PAGED SECTIONS

064 61
 UCRL-9699 CARRIER FREE SEPARATION OF HAFNIUM FROM RARE
 EARTH OXIDES. M. I. TOCHER AND J. M. HOLLANDER
 MAY 1961 7P
 SUBMITTED FOR PUBLICATION IN ANALYTICAL CHEMISTRY

065 61
 UCRL-9700 INTERPRETATION OF THE INSOMERIC CHEMICAL SHIFTS
 IN AU-197. D. A. SHIRLEY
 MAY 1961 19P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW

INDEX OF BERKELEY UCRL REPORTS, 1961

066 61
UCRL-9702-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING
OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, D. H. TEMPLETON,
AND H. W. RUBEN
MAY 1961 1P
TO BE PRESENTED AT MEETING OF AMERICAN CRYSTALLOGRAPHIC
ASSN.

067 61
UCRL-9703-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING
OF SODIUM CHROMATE TETRAHYDRATE. D. H. TEMPLETON,
H. W. RUBEN, AND I. OLOVSSON
MAY 1961 1P

068 61
UCRL-9705 CRYSTAL STRUCTURE OF PROPIONIC ACID.
F. J. STRIETER AND D. H. TEMPLETON
MAY 23, 1961 15P
SUBMITTED FOR PUBLICATION IN ACTA CRYSTALLOGRAPHICA

069 61
UCRL-9709 THE PREPARATION OF SOME GERMANIUM HYDRIDES.
J. E. DRAKE
MAY 18, 1961 24P

070 61
UCRL-9722 CHARGE TRANSFER ASSOCIATION AND PARAMAGNETISM
OF SOME ORGANIC SYSTEMS. J. W. EASTMAN
AUGUST 1961 101P
THESIS

071 61
UCRL-9725 RADIOLYTIC REACTIONS OF THE CYCLIC DIPEPTIDES
IN AQUEOUS SOLUTION. M. KLAND-ENGLISH, W. BENNETT, AND
W. M. GARRISON
SEPTEMBER 1961
PREPARED FOR PRESENTATION AT THE 140TH NATIONAL ACS
MEETING AT CHICAGO, SEPTEMBER 1961

072 61
UCRL-9744 DOWNFLOW FORCED CONVECTION BOILING OF WATER IN
UNIFORMLY HEATED TUBES. R. M. WRIGHT
AUGUST 21, 1961 208P
THESIS

073 61
UCRL-9746 CRYSTAL STRUCTURE OF BUTYRIC ACID.
F. J. STRIETER AND D. H. TEMPLETON
JUNE 12, 1961 18P

INDEX OF BERKELEY UCRL REPORTS, 1961

074 61
 UCRL-9748 A COMPUTER ANALYSIS FOR COMPLEX SODIUM IODIDE
 GAMMA SPECTRA. J. F. MOLLENAUER
 AUGUST 1961 30P

075 61
 UCRL-9773 STUDY OF THE NEAR ULTRAVIOLET SPECTRUM OF
 MAGNESIUM OXIDE. S. TRAJMAR
 JULY 3, 1961 59P
 THESIS

076 61
 UCRL-9775 THE VOLUMETRIC AND THERMODYNAMIC PROPERTIES OF
 FLUIDS. 6. RELATIONSHIP OF MOLECULAR PROPERTIES TO THE
 ACENTRIC FACTOR. F. DANON AND K. S. PITZER
 JULY 1961 25P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

077 61
 UCRL-9785 MEASUREMENT OF INDEX OF REFRACTION AND
 DIELECTRIC CONSTANT FOR FREON-13. W. N. HESS, R. L.
 MATHER, AND R. A. NOBLES
 JULY 12, 1961 13P

078 61
 UCRL-9786 THE MICROWAVE SPECTRUM AND QUADRUPOLE
 INTERACTION IN CIS-1, 2-DICHLOROETHYLENE. W. H. FLYGARE
 AND J. A. HOWE
 JULY 1961 21P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

079 61
 UCRL-9793 SEMIEMPIRICAL CORRELATION OF BETA POSITIVE
 ANNIHILATION RATES IN METALS. J. A. MCHUGH
 JULY 1961 5P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

080 61
 UCRL-9795 THE PHOTOIONIZATION OF NITRIC OXIDE. J. P.
 DOERING AND B. H. MAHAN
 JULY 1961 22P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

081 61
 UCRL-9801 CHEMICAL REACTIONS IN CROSSED MOLECULAR BEAMS.
 D. R. HERSCHBACH
 JULY 1961 29P
 SUBMITTED FOR PUBLICATION IN AMERICAN CHEMISTRY SOCIETY /
 VORTEX/

INDEX OF BERKELEY UCRL REPORTS, 1961

082 61
 UCRL-9802 THE CRYSTAL STRUCTURE OF COBALT SULFATE
 HEXAHYDRATE. A. ZALKIN, H. RUBEN, AND D. H. TEMPLETON
 AUGUST 1961 23P
 SUBMITTED FOR PUBLICATION IN ACTA CRYSTALLOGRAPHICA

083 61
 UCRL-9805 THE BIOCHEMICAL SYNTHESIS OF D-XYLULOSE AND
 L-RIBULOSE, DETAILS OF THE ACTION OF ACETOBACTER SUBOXYDANS
 ON D-ARABITOL, RIBITOL AND OTHER POLYHYDROXY COMPOUNDS. V.
 MOSES AND R. J. FERRIER
 AUGUST 1961 22P
 SUBMITTED FOR PUBLICATION IN THE BIOCHEMISTRY JOURNAL

084 61
 UCRL-9806 TRACER STUDIES IN HYDROGEN ADAPTED SCENEDESMUS
 USING H-3 AND C-14. R. A. GOLDSBY
 AUGUST 1961 75P

085 61
 UCRL-9817 SIMPLE MOLECULAR ORBITAL THEORY OF THE
 DICHLOROETHYLENES. J. A. HOWE, J. S. MUIRHEAD, AND J. H.
 GOLDSTEIN
 SEPTEMBER 1961 16P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

086 61
 UCRL-9821 KINETICS OF THE OXIDATION OF MAGNESIUM
 FLUORIDE. D. R. MESSIER
 AUGUST 15, 1961 31P
 THESIS

087 61
 UCRL-9832 THE REACTION OF ALDOXIMES WITH ALKALI.
 H. RAPOPORT AND W. NILSSON
 AUGUST 1961 6P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF ORGANIC
 CHEMISTRY

088 61
 UCRL-9840 THERMODYNAMIC PROPERTIES OF GASEOUS METAL
 DIHALIDES. L. BREWER, G. R. SOMAYAJULU, AND E. BRACKETT
 SEPTEMBER 1961 51P
 SUBMITTED FOR PUBLICATION IN CHEMICAL REVIEWS, A
 CONDENSATION OF THIS PAPER ONLY

089 61
 UCRL-9842 HYDROBORATE CHEMISTRY. R. MESMER
 AUGUST 31, 1961 125P
 THESIS

INDEX OF BERKELEY UCRL REPORTS, 1961

090 61
UCRL-9844 LONGITUDINAL DISPERSION IN PACKED GAS
ABSORPTION COLUMNS. T. T. WORD
SEPTEMBER 1, 1961 57P
THESIS

091 61
UCRL-9848 DISTRIBUTION OF RADIOACTIVITY IN MORPHINE FROM
BIOSYNTHESIS WITH CARBON-14 DIOXIDE. H. RAPOPORT, N. LEVY,
AND F. R. STERMITZ
AUGUST 28, 1961 6P
SUBMITTED FOR PUBLICATION IN AMERICAN CHEMICAL SOCIETY

092 61
UCRL-9890 CORRESPONDING STATES THEORY FOR ARGON AND
XENON. F. DANON AND K. S. PITZER
OCTOBER 1, 1961 11P

093 61
UCRL-9893 CRYSTAL AND MOLECULAR STRUCTURE OF
TRIETHYLSCARPHANE. T. N. MARGULIS AND D. H. TEMPLETON
OCTOBER 1961 16P

094 61
UCRL-9908-ABSTRACT ACTIVATION ANALYSIS FOR OXYGEN AND
OTHER ELEMENTS BY MEANS OF HE-3 INDUCED NUCLEAR REACTIONS.
S. S. MARKOWITZ AND J. D. MAHONY
OCTOBER 31, 1961

095 61
UCRL-9924 THE RADIOLYSIS OF LIQUID ISOBUTANE WITH PULSED
ELECTRONS. B. Y. YAMAMOTO, A. F. SCIAMANNA, AND
A. S. NEWTON
OCTOBER 1961 8P

096 61
UCRL-9934 PRIMORDIAL ORGANIC CHEMISTRY. I. COMPOUNDS
RESULTING FROM ELECTRON IRRADIATION OF C₁₄H₄. C. PALM AND
M. CALVIN
DECEMBER 1961 24P

097 61
UCRL-9955 CRYSTAL STRUCTURE OF THE CARBON TETRABROMIDE
PARA XYLENE COMPLEX. F. J. STRIETER AND D. TEMPLETON
NOVEMBER 16, 1961 17P

INDEX OF BERKELEY UCRL REPORTS, 1961

098 61
 UCRL-9973-ABSTRACT: CALCULATION OF INTEGRAL AND PARTIAL
 THERMODYNAMIC FUNCTIONS FOR SOLIDS FROM DISSOCIATION
 PRESSURE DATA. A. W. SEARCY AND D. J. MESCHI
 DECEMBER 1961. 2P

099 61
 UCRL-TRANS-679 THE KINETICS OF THE SAPONIFICATION OF
 DIALKYLPHOSPHITES 1. SAPONIFICATION WITH HYDROGEN- AND
 HYDROXYL-IONS. P. NYLEN
 29P
 TRANSLATION BY E. ARNHEN FROM GERMAN OF SVENSK KEMISK
 TIDSKRIFT 49,29-52(1937)

100 61
 UCRL-TRANS-680 THE KINETICS OF THE SAPONIFICATION OF
 DIALKYLPHOSPHITES, 2. GENERAL ACID- AND BASE CATALYSIS AT
 THE HYDROLYSIS OF DIETHYLPHOSPHITE. P. NYLEN
 23P
 TRANSLATION BY E. ARNHEN FROM GERMAN OF SVENSK KEMISK
 TIDSKRIFT 49,79-96(1937)

101 61
 UCRL-TRANS-694 STUDY OF HEAT EXCHANGE IN THE BOILING
 OF WATER AND ETHYL ALCOHOL IN TUBES. L. S. STERMAN, V. G.
 MOROZOV, AND S. A. KOVALEV
 7P
 TRANSLATION FROM RUSSIAN BY SERGEY SHEWCHUCK, JULY 1961,
 FROM INZHENERON-FIZICHESKII ZHURNAL 2(10),40-5 (1959)

102 61
 UCRL-TRANS-696 CONCENTRATION DEPENDENCE OF ACTIVITY OF
 FERMENTS IN CONNECTION WITH THEIR BEHAVIOR IN COACERVATES.
 V. P. SLOBODSKAIA AND A. G. PASYNSKII
 TRANSLATION FROM RUSSIAN BY S. SHEWCHUCK, JULY 1961,
 FROM AKADEMIIA NAUK S. S. S. R. DOKLADY 137,715-18(1961)

103 61
 UCRL-TRANS-707 ON THE BASIC ELECTRON STATE OF OXIDES OF
 MOLECULES OF GROUP 2 ELEMENTS. I. V. VEITS AND L. V.
 GURVICH
 1957 14P
 TRANSLATION BY D. A. NIMIDOFF FROM OPTIKA I
 SPEKTROSKOPIIA 2,145-9 (1957)

104 61
 UCRL-TRANS-708 ON THE DISSOCIATION ENERGIES OF MOLECULES
 OF THE OXIDES OF THE ALKALINE EARTH ELEMENTS. I. V. VEITS
 AND L. V. GURVICH
 1957 16P
 TRANSLATION BY D. A. NIMIDOFF FROM ZHURNAL FIZICHESKOI
 KHIMII 31, 2306-9 (1957)

INDEX OF BERKELEY UCRL REPORTS, 1961

105 61
 UCRL-TRANS-737 INCORPORATION OF O-18 FROM HEAVY OXYGEN
 WATER IN VIOLAXANTHENE UNDER THE EFFECT OF LIGHT ON PLANTS.
 D. I. SAPOZHNIKOV, D. G. ALKHAZOV, Z. M. EIDELMAN ET AL
 1961 11P
 TRANSLATED FROM RUSSIAN BY S. SHEWCHUCK, LRL, FROM
 BOTANICHESKII ZHURNAL 46,673-6(1961)

106 61
 UCRL-TRANS-739 CHARACTERISTICS OF FLUIDIZED PARTICLES,
 2. EXPANSION OF FLUIDIZED PARTICLES BY A GAS STREAM.
 J. FURUKAWA AND K. OMAE
 12P
 TRANSLATED FROM JAPANESE BY H. SCHICHI, FROM KOGYO KAGAKU
 ZASSHI 55,3-6(1952)

107 61
 UCRL-TRANS-741 ON SOLUTIONS OF THE ALKALI METALS IN
 LIQUID AMMONIA, NOTE 4. SPECTROSCOPIC AND PHOTOCHEMICAL
 MEASUREMENTS. X-RAY DIFFRACTION. L. PAOLONI
 1961 8P
 TRANSLATED FROM ITALIAN BY M. LITTLE FROM GAZZETTA
 CHIMICA ITALIANA 91,518-28(1961)

CONTROLLED THERMONUCLEAR PROCESSES

108 61
 UCRL-9344 SOME CALCULATIONS ON TRIAX PINCH DEVICE.
 S. FISHER
 AUGUST 9, 1960 35P

109 61
 UCRL-9500, UCRL-9598, UCRL-9777. CONTROLLED THERMONUCLEAR
 RESEARCH, QUARTERLY REPORT,
 DECEMBER 15, 1960, MARCH 15, 1961, AUGUST 4, 1961
 FOR SEPTEMBER 1960 THROUGH JUNE 1961

110 61
 UCRL-9509 ION DENSITY MEASUREMENTS IN A DECAYING HYDROGEN
 PLASMA. W. S. COOPER, A. W. DESILVA, AND J. M. WILCOX
 MARCH 1, 1961 29P

111 61
 UCRL-9528 A DEVICE FOR GENERATING A HIGHLY IONIZED
 HYDROGEN PLASMA. J. M. WILCOX, A. W. DESILVA,
 W. S. COOPER III, P. PELLISSIER AND W. R. BAKER
 JANUARY 12, 1961 23P

INDEX OF BERKELEY UCRL REPORTS, 1961

112 61
UCRL-9574 EFFECTS OF A MAGNETIC FIELD ON NATURAL
CONVECTION IN A TOROIDAL CHANNEL. P. CONCUS
FEBRUARY 1961 37P
SUBMITTED FOR PUBLICATION IN JOURNAL OF APPLIED
MECHANICS

113 61
UCRL-9588 THE POSITIVE COLUMN IN A LONGITUDINAL MAGNETIC
FIELD. G. A. PAULIKAS
FEBRUARY 27, 1961 98P
THESIS

114 61
UCRL-9601 EXPERIMENTAL STUDY OF HYDROMAGNETIC WAVES IN
PLASMA. A. W. DESILVA
MARCH 17, 1961 108P
THESIS

115 61
UCRL-9611-ABSTRACT PRODUCTION OF A HIGH TEMPERATURE
ROTATING PLASMA. K. HALBACH, D. VERON, AND W. R. BAKER
MARCH 22, 1961 1P

116 61
UCRL-9612-ABSTRACT THE MAGNETIC SWITCH-ON IONIZING WAVE.
R. A. GROSS AND W. B. KUNKEL
MARCH 22, 1961 2P
FOR PRESENTATION AT IAEA CONFERENCE ON PLASMA PHYSICS AND
CONTROLLED NUCLEAR FUSION, SALZBURG, AUSTRIA,
SEPTEMBER 4-8, 1961

117 61
UCRL-9612 HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND
R. A. GROSS
MAY 16, 1961 38P
FOR PRESENTATION AT THE INTERNATIONAL ATOMIC ENERGY
CONFERENCE ON PLASMA PHYSICS AND CONTROLLED NUCLEAR FUSION
RESEARCH, SALZBURG, AUSTRIA, SEPTEMBER 4-8, 1961

118 61
UCRL-9612-REV-ABSTRACT HYDROMAGNETIC IONIZING WAVES.
R. A. GROSS AND W. B. KUNKEL
MAY 4, 1961 2P
FOR PRESENTATION AT THE IAEA CONFERENCE ON PLASMA PHYSICS
AND CONTROLLED NUCLEAR FUSION, SALZBURG, AUSTRIA,
SEPTEMBER 4-8, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

119 61
UCRL-9612-REV HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL
AUGUST 14, 1961 47P
FOR PRESENTATION AT THE FIFTH INTERNATIONAL CONFERENCE
ON IONIZATION PHENOMENA IN GASES, MUNICH, GERMANY, AUGUST
28 TO SEPTEMBER 1, 1961

120 61
UCRL-9682 MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN
IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
APRIL 27, 1961 66P
SUBMITTED FOR PUBLICATION IN PHYSICS OF FLUIDS

121 61
UCRL-9682-REV MACROSCOPIC INSTABILITY OF THE POSITIVE
COLUMN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V.
PYLE
OCTOBER 2, 1961 32P
SUBMITTED FOR PUBLICATION IN PHYSICS OF FLUIDS

122 61
UCRL-9854-ABSTRACT HYDROMAGNETIC IONIZING FRONTS. W. B.
KUNKEL AND R. A. GROSS
SEPTEMBER 1961
FOR PRESENTATION AT THE APS DIVISION OF PLASMA PHYSICS
MEETING, COLORADO SPRINGS, NOVEMBER 15-18, 1961

123 61
UCRL-9899-ABSTRACT A HOLLOW CATHODE STRONTIUM PLASMA
SOURCE. H. F. RUGGE, G. A. PAULIKAS, R. V. PYLE, AND J. W.
STEARNS
OCTOBER 1961 1P
FOR PRESENTATION AT THE APS MEETING, LOS ANGELES,
DECEMBER 27-29, 1961

124 61
UCRL-9936-ABSTRACT HYDROMAGNETIC IONIZING WAVES.
W. B. KUNKEL AND R. A. GROSS
NOVEMBER 1, 1961 1P
FOR PRESENTATION AT THE SIXTH LOCKHEED SYMPOSIUM ON
MAGNETOHYDRODYNAMICS, PALO ALTO, DECEMBER 15-16, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

125 61
 UCRL-TRANS-686 INVESTIGATION OF THE PROPERTIES OF A
 PLASMA IN A MAGNETIC FIELD. I. M. ZOLOTOTRUBOV, N. M.
 RYZHOV, I. P. SKOBLIK, ET AL
 7P
 TRANSLATED FROM RUSSIAN BY M. KASSATKIN FROM A
 PUBLICATION OF THE AKADEMIIA NAUK U. S. S. R., KIEV.
 INSTITUT FIZICHNOI TEKHNOLOGII, 269-76, 1960

ELECTRONICS AND INSTRUMENTS

126 61
 UCRL-9035-REV CURRENT SWITCHING CIRCUITRY.
 J. G. SALVADOR AND D. O. PEDERSON
 JULY 17, 1961 30P

127 61
 UCRL-9270 A SOLID-STATE CHRONOTRON FOR DIGITIZING TIME
 DELAYS. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
 DECEMBER 12, 1960 20P
 SUBMITTED FOR PUBLICATION IN NUCLEAR INSTRUMENTS

128 61
 UCRL-9271 AN ELECTRONIC DATA-ACQUISITION SYSTEM FOR USE
 WITH A COMPLEX NUCLEAR PHYSICS EXPERIMENT. S. C. BAKER,
 F. A. KIRSTEN, D. A. MACK, AND C. WIEGAND
 DECEMBER 1, 1960 21P
 SUBMITTED FOR PUBLICATION IN NUCLEAR INSTRUMENTS AND
 METHODS

129 61
 UCRL-9272 A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT
 FOR TEN NANOSECOND PULSES. S. C. BAKER
 NOVEMBER 18, 1960 18P
 SUBMITTED FOR PUBLICATION IN NUCLEAR INSTRUMENTS

130 61
 UCRL-9272-REV A TRANSISTOR COINCIDENCE DISCRIMINATOR
 CIRCUIT FOR TEN-NANOSECOND PULSES. S. C. BAKER
 MARCH 6, 1961 16P
 SUBMITTED FOR PUBLICATION IN NUCLEAR INSTRUMENTS AND
 METHODS

131 61
 UCRL-9273 TEST ROUTINES AND MONITORING FOR A LARGE
 COUNTER EXPERIMENT. S. C. BAKER, Q. A. KERNS, F. A. KIRSTEN
 ET AL
 DECEMBER 20, 1960 24P
 SUBMITTED FOR PUBLICATION IN NUCLEAR INST.

INDEX OF BERKELEY UCRL REPORTS, 1961

132 61
 UCRL-9274 AN 1800-BIT BUFFER STORE AND READOUT SYSTEM.
 F. EVANS AND F. A. KIRSTEN
 DECEMBER 29, 1960 14P
 SUBMITTED FOR PUBLICATION IN NUCLEAR INSTRUMENTS

133 61
 UCRL-9436 LEAKAGE CURRENT IN SEMICONDUCTOR JUNCTION
 RADIATION DETECTORS AND ITS INFLUENCE ON ENERGY RESOLUTION
 CHARACTERISTICS. F. S. GOULDING AND W. L. HANSEN
 NOVEMBER 18, 1961 42P

134 61
 UCRL-9464 A NEW SATURABLE TRANSFORMER MEASURES DIRECT
 CURRENT THROUGH CONDUCTORS IN THE VICINITY OF LARGE STRAY
 MAGNETIC FIELDS. A. WINDSOR
 OCTOBER 17, 1960 14P

135 61
 UCRL-9483 A PAPER TAPE TO MAGNETIC TAPE CONVERTER.
 L. F. FLORES
 DECEMBER 22, 1960 20P

136 61
 UCRL-9522-ABSTRACT INSTRUMENTS OF MULTI CHANNEL COUNTER
 EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 JANUARY 1961 1P
 FOR PRESENTATION AT THE INTERNATIONAL ATOMIC ENERGY
 AGENCY CONFERENCE ON NUCLEAR ELECTRONICS, BELGRADE,
 YUGOSLAVIA, MAY 15-20, 1961

137 61
 UCRL-9522 INSTRUMENTATION OF MULTICHANNEL COUNTING
 EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 APRIL 4, 1961 27P

138 61
 UCRL-9529-ABSTRACT ELECTRICAL LIMITATIONS TO ENERGY
 RESOLUTION IN SEMICONDUCTOR PARTICLE DETECTORS.
 W. L. HANSEN AND F. S. GOULDING
 JANUARY 1961 1P
 FOR PRESENTATION AT THE IAEA CONFERENCE ON NUCLEAR
 ELECTRONICS, BELGRADE, YUGOSLAVIA, MAY 15-20, 1961

139 61
 UCRL-9529 ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN
 SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND
 F. S. GOULDING
 APRIL 5, 1961 18P

INDEX OF BERKELEY UCRL REPORTS, 1961

140 61
UCRL-9538 THICK JUNCTION RADIATION DETECTORS MADE BY ION
DRIFT. J. H. ELLIOTT
FEBRUARY 2, 1961 25P

141 61
UCRL-9616-ABSTRACT PROPOSED METHOD FOR THE ENHANCEMENT OF
OPTICAL PUMPING DOUBLE RESONANCE SIGNALS. E. LIPWORTH
MAY 1961 4P
FOR PRESENTATION AT THE CONFERENCE ON QUANTUM
ELECTRONICS, BERKELEY, MARCH 23-25, 1961

142 61
UCRL-9624 FAST PULSE AMPLITUDE DISCRIMINATORS.
D. A. MACK
MARCH 30, 1961 25P
SUBMITTED FOR PUBLICATION AS CHAPTER IN HANDBOOK ON
NUCLEAR INSTRUMENTATION TO BE PUBLISHED BY MCGRAW HILL

143 61
UCRL-9646-ABSTRACT FEEDBACK EFFECTS OF EXTRINSIC
COLLECTOR TO BASE CAPACITANCE IN TRANSISTOR AMPLIFIERS.
L. SCOTT
APRIL 29, 1961 1P

144 61
UCRL-9662 FORCE MULTIPLIER FOR USE WITH MASTER SLAVES.
L. E. MILES, T. C. PARSONS, AND P. W. HOWE
JUNE 2, 1961 10P

145 61
UCRL-9720 A MULTIPLEX PULSE-HEIGHT RECORDER AND
ANALYZER. A. A. WYDLER
MAY 26, 1961 23P

146 61
UCRL-9726-ABSTRACT A TRIGGERED NANOSECOND PULSED LIGHT
SOURCE. T. G. INNES AND Q. A. KERNS
MAY 1961 4P
FOR PRESENTATION AT THE WESCON I.R.E MEETING, SAN
FRANCISCO, AUGUST 1961

147 61
UCRL-9726 A PULSED NANOSECOND LIGHT SOURCE. T. G.
INNES AND Q. A. KERNS
AUGUST 4, 1961 25P
FOR PRESENTATION AT THE PROCEEDINGS IN WESCON-INSTITUTE
RADIO OF ENGINEERS, SAN FRANCISCO

INDEX OF BERKELEY UCRL REPORTS, 1961

148 61
 UCRL-9765 AN ALPHA AIR PROPORTIONAL HAND AND FOOT
 COUNTER. W. J. ROACH AND R. J. WALKER
 JULY 14, 1961 6P

149 61
 UCRL-9767 A LOW SPEED SWINGING BUCKET ULTRACENTRIFUGAL
 ROTOR. F. T. LINDGREN
 AUGUST 17, 1961 10P

150 61
 UCRL-9791 THE SIDEBAND TECHNIQUE IN A VARIABLE FREQUENCY
 NUCLEAR MAGNETIC RESONANCE SPECTROMETER. J. V. ACRIVOS
 AUGUST 1961 7P

151 61
 UCRL-9816 MODEL-6 LINEAR AMPLIFIER SYSTEM AND
 PREAMPLIFIER. W. W. GOLDSWORTHY
 AUGUST 14, 1961 16P

152 61
 UCRL-9843 NINE CHANNEL POLYCHROMATOR FOR OBSERVATION OF
 TIME DEPENDENT SPECTRAL LINE PROFILES. G. R. SPILLMAN,
 W. S. COOPER AND J. M. WILCOX
 SEPTEMBER 20, 1961 9P

153 61
 UCRL-9853 A SIMPLE, TRANSISTORIZED BETA-GAMA HAND AND
 SHOE MONITOR. R. J. WALKER AND W. J. ROACH
 SEPTEMBER 27, 1961 4P

154 61
 UCRL-9861 A FAST NEUTRON ACTIVATION DETECTOR FOR 14-MEV
 PULSED NEUTRON SOURCES. L. RUBY AND J. B. RECHEN
 SEPTEMBER 15, 1961 7P

155 61
 UCRL-9877 ON THE PENETRATION EFFECT IN ELECTRIC DIPOLE
 INTERNAL CONVERSION. G. KRAMER AND S. G. NILSSON
 OCTOBER 2, 1961 37P

156 61
 UCRL-9901-ABSTRACT A LIQUID HYDROGEN CERENKOV COUNTER.
 C. M. YORK, J. A. KADYK, AND T. F. ZIPF
 OCTOBER 1961 1P
 FOR PRESENTATION AT THE WEST COAST MEETING OF APS,
 LOS ANGELES, CALIFORNIA, DECEMBER 27, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

157 61
 UCRL-9976-ABSTRACT TIME RESOLUTION OF A SCINTILLATION
 COUNTER SYSTEM. A. E. BJERKE, Q. A. KERNS, AND
 T. A. NUNAMAKER
 DECEMBER 12, 1961 1P
 FOR PRESENTATION AT THE 8TH SCINTILLATION AND
 SEMI-CONDUCTOR SYMPOSIUM, MARCH 1-3, 1962, WASHINGTON,
 D. C.

158 61
 UCRL-9980-ABSTRACT PHOTOMULTIPLIER SINGLE ELECTRON
 STATISTICS. R. F. TUSTING, Q. A. KERNS, AND H. K. KNUDSEN
 DECEMBER 13, 1961 1P

159 61
 UCRL-TRANS-704 A PORTABLE NEUTRON GENERATING TUBE USING
 ION ACCELERATION. E. A. AB, G. M. ANDRIANOV, R. I.
 PLOTNIKOV, ET AL
 1961 3P
 TRANSLATED BY R. B. CRAWFORD (LRL) FROM PRIBORY I
 TEKHNIKA EKSPERIMENTA (1) 129 (1961)

160 61
 UCRL-TRANS-724 POSSIBILITIES AND LIMITATIONS OF
 TELEVISION MICROSCOPY. H. FRENK
 1960 18P
 TRANSLATED FROM GERMAN BY ARNHEM TRANSLATIONS,
 HOLLYWOOD FROM RADIO MENTOR 11,887-93 (1960)

161 61
 UCRL-TRANS-733 DIFFRACTION LIGHT MODULATOR. A. M.
 BONCH-BRUEVICH AND V. A. MOLCHANOV
 8P
 TRANSLATED FROM RUSSIAN BY A. ROBINSON, FROM ZHURNAL
 TEKHNIЧЕСКОИ ФИЗИКИ 25, 1653-8 (1955)

ENGINEERING AND EQUIPMENT

162 61
 UCRL-8733 COALESCENCE AND DISPERSION RATES IN AGITATED
 LIQUID-LIQUID SYSTEM. J. H. VANDERVEEN
 DECEMBER 1960 56P

163 61
 UCRL-9298-REV USE OF PYROELECTRIC DEVICES FOR MEASURING
 SMALL TEMPERATURE CHANGES. S. B. LANG
 MARCH 1961 26P

INDEX OF BERKELEY UCRL REPORTS, 1961

- UCRL-9487 ELECTRODE DAMAGE CAUSED BY SPARKS IN VACUUM. 164 61
C. A. HARRIS
NOVEMBER 4, 1960 31P
- UCRL-9503 THE CROSS PRODUCT OF E AND B VECTORS DISCHARGE 165 61
AS A SOURCE OF IONS. K. W. EHLERS
JANUARY 10, 1961 26P
- UCRL-9506 GLASS CATHODES IN VACUUM INSULATED 166 61
HIGH-VOLTAGE SYSTEMS. J. J. MURRAY
SEPTEMBER 12, 1960 28P
TO BE PUBLISHED IN PROCEEDINGS FOR INSTRUMENTATION
CONFERENCE BERKELEY, 1960
- UCRL-9657 THE WATER SHIELDED CAVE FACILITY FOR TOTALLY 167 61
ENCLOSED MASTER-SLAVE OPERATIONS AT LAWRENCE RADIATION
LABORATORY. P. W. HOWE, T. C. PARSONS, AND L. E. MILES
OCTOBER 9, 1961 28P
- UCRL-9782 A HYPOTHESIS CONCERNING LIMITATIONS OF 168 61
DIFFUSION PUMPS. P. B. KENNEDY
JULY 6, 1961 19P
FOR PRESENTATION AT THE AMERICAN VACUUM SOCIETY
MEETING, WASHINGTON, D. C., OCTOBER 16-19, 1961
- UCRL-9807 CALIBRATION OF BRIDGMAN ANVILS, A PRESSURE 169 61
SCALE TO 125 KILOBARS. P. W. MONTGOMERY, H. STROMBERG, G.
H. LURA, AND G. JURA
AUGUST 1961 31P
- UCRL-9824 FABRICATING LIQUID HYDROGEN TARGETS FROM 170 61
MYLAR. D. L. MEHR
AUGUST 17, 1961 6P
- UCRL-9839 A DIFFUSE REFLECTION COATING FOR USE WITH 171 61
CERENKOV COUNTERS. G. L. SCHNURMACHER
AUGUST 28, 1961 11P

INDEX OF BERKELEY UCRL REPORTS, 1961

172 61
UCRL-TRANS-677 ON THE PROBLEM OF HEAT EXCHANGE DURING
LIQUID BOILING IN TUBES. I. P. VISHNEV AND N. K. ELUKHIN
1960 7P
TRANSLATED BY S. SHEWCHUCK FROM INZHENERNO-FIZICHESKII
ZHURNAL 3(5)74-80(1960)

173 61
UCRL-TRANS-705 NEUTRON GENERATORS. V. I. STRIJAK AND
N. S. NAZAROV
1961 5P
TRANSLATED BY R. B. CRAWFORD (LRL) FROM PRIBORY I
TEKHNIKA EDSPERIMENTA (2) 72- (1961)

174 61
UCRL-TRANS-729 PROPAGATION OF UNIDIMENSIONAL WAVES IN
MATERIALS WITH DELAYED YIELDING. V. S. LENSII AND L. N.
FOMINA
1959 10P
TRANSLATED FROM RUSSIAN BY S. SHEWCHUCK FROM AKADEMIIA
NAUK SSSR IZVESTIIA OTDELENIE TEKHNIЧЕСКИХ НАУК.
MEKHANIKA I. MASHINOSTROENIE 3, 133-6 (1959)

GENERAL, MISCELLANEOUS, AND PROGRESS REPORTS

175 61
UCRL-9520 LIST OF REPRINTS AVAILABLE IN THE TECHNICAL
INFORMATION DIVISION, UNIVERSITY OF CALIFORNIA LAWRENCE
RADIATION LABORATORY, BERKELEY, CALIFORNIA.
JANUARY 1961. 17P
REPRINTS RECEIVED JULY THROUGH DECEMBER 1960

176 61
UCRL-9781 LIST OF REPRINTS AVAILABLE IN THE TECHNICAL
INFORMATION DIVISION, UNIVERSITY OF CALIFORNIA, LAWRENCE
RADIATION LABORATORY, BERKELEY, CALIFORNIA
JULY 1961. 17P
FOR JANUARY TO JUNE 1961

177 61
UCRL-12000-VOL. 3 NO-24 UNCLASSIFIED REPORTS RECEIVED AND
ISSUED BY LAWRENCE RADIATION LABORATORY, 1961
SEMI-MONTHLY.

GEOSCIENCES AND ASTROSCIENCES

INDEX OF BERKELEY UCRL REPORTS, 1961

178 61
 UCRL-9513 ENERGY RESPONSE AND PHYSICAL PROPERTIES OF
 EASTMAN TYPE A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR
 TRACK FILM. R. L. LEHMAN
 JANUARY 13, 1961 41P

HEALTH AND SAFETY

179 61
 UCRL-9422 A VISIT TO SEVERAL HEALTH PHYSICS DEPARTMENTS
 IN WESTERN EUROPE AND TO THE SYMPOSIUM ON SELECTED TOPICS IN
 RADIATION DOSIMETRY HELD AT THE INTERNATIONAL ATOMIC ENERGY
 AGENCY IN VIENNA JUNE 7 TO 11, 1960. R. WALLACE
 NOVEMBER 8, 1960 28P

180 61
 UCRL-9651 PORTABLE ALPHA SURVEY INSTRUMENT. W. J. ROACH
 AND R. J. WALKER
 APRIL 17, 1961 9P

181 61
 UCRL-9660 REMOTE PLASTIC BAG PASSOUT UNIT FOR HIGH
 LEVEL RADIO-CHEMICAL OPERATIONS. E. S. FLEISCHER, T. C.
 PARSONS, AND P. W. HOWE
 AUGUST 1961 11P

182 61
 UCRL-TRANS-738 RADIOACTIVITY IN THE ATMOSPHERE, THE
 PERCENTAGE OF SMALL AND LARGE RADIOACTIVE IONS IN THE AIR.
 J. BRICARD, J. PRADEL, AND A. RENOUX
 7P

TRANSLATED FROM FRENCH BY T. KNATT, FROM ACADEMIE DES
 SCIENCES, PARIS. COMPTES RENDUS 252,2119-21 (1961)

MATHEMATICS AND COMPUTERS

183 61
 UCRL-9099 REFERENCE MANUAL FOR KICK IBM PROGRAM. A. H.
 ROSENFELD ED
 MAY 1961

184 61
 UCRL-9309 IBM PROGRAM GUTS. DETAILED DESCRIPTION AND
 FLOW. F. SAFIER AND C. HANSEN
 SEPTEMBER 9, 1960 40P

INDEX OF BERKELEY UCRL REPORTS, 1961

185 61
 UCRL-9476 AUTOMATIC DATA PROCESSING PARTIAL
 PROCEEDINGS OF AN INFORMAL MEETING HELD SEPTEMBER 15, 1960
 AT LAWRENCE RADIATION LABORATORY. P. V. C. HOUGH AND J. L.
 BROWN, EDITORS
 NOVEMBER 21, 1960 17P

186 61
 UCRL-9498 LINEAR PROGRAMMING APPLIED TO LINEAR
 DIFFERENTIAL EQUATIONS. J. D. YOUNG
 JANUARY 17, 1961 10P

187 61
 UCRL-9621 STATISTICAL METHODS IN HIGH-ENERGY PHYSICS.
 M. KRETZSCHMAR
 MARCH 24, 1961 131P

188 61
 UCRL-9727 OPTIK, AN IBM 709 COMPUTER PROGRAM FOR THE
 OPTICS OF HIGH ENERGY PARTICLE BEAMS. T. J. DEVLIN
 SEPTEMBER 15, 1961 25P

METALS, CERAMICS, AND MATERIALS

189 61
 UCRL-9494 EXPERIMENTS ON COLOR CENTERS IN CRESTMORE BLUE
 CALCITE. A. WIERSEMA
 DECEMBER 9, 1960 37P
 THESIS

190 61
 UCRL-9502 SINGLE CRYSTAL TUNGSTEN RIBBON.
 F. L. REYNOLDS
 DECEMBER 14, 1960 3P

191 61
 UCRL-9579 INORGANIC MATERIALS DIVISION ANNUAL REPORT,
 1960.
 FEBRUARY 21, 1961 126P

192 61
 UCRL-9582 THE AGING CHARACTERISTICS OF ALUMINUM ALLOYS
 ELECTRON TRANSMISSION STUDIES OF ALUMINUM-MAGNESIUM-
 SILICON ALLOYS. G. THOMAS
 FEBRUARY 1961 32P
 SUBMITTED FOR PUBLICATION IN INSTITUTE OF METALS

INDEX OF BERKELEY UCRL REPORTS, 1961

193 61
 UCRL-9593 DISLOCATION SUBSTRUCTURES IN DEFORMED AND
 RECOVERED MOLYBDENUM. R. BENSON, G. THOMAS, AND
 J. WASHBURN
 MARCH 1961 30P
 SUBMITTED FOR PUBLICATION IN THE AMERICAN INSTITUTE OF
 MINING METALLURGICAL AND PETROLEUM ENGINEERS TRANSACTIONS

194 61
 UCRL-9647 MARTENSITE IN CU-12.0 PERCENT AL ALLOY.
 G. THOMAS AND M. C. HOFFSTUTLER
 APRIL 1961 27P
 SUBMITTED FOR PUBLICATION IN PHILOSOPHICAL MAGAZINE

195 61
 UCRL-9808 PRESSURE TEMPERATURE RESISTANCE PROPERTIES OF
 LANTHANUM, BISMUTH, NEPTUNIUM, PLUTONIUM, AND AMERICIUM TO
 450C AND 30 KILOBARS. D. MCWHAN, P. W. MONTGOMERY, H. D.
 STROMBERG, AND G. JURA
 AUGUST 1961 19P

196 61
 UCRL-9828 SHEET METAL CAN FURNACE. R. C. DOYLE AND W.
 D. PHILLIPS
 AUGUST 17, 1961 11P

197 61
 UCRL-TRANS-706 DISSOCIATION ENERGIES OF OXIDES OF
 MAGNESIUM, CALCIUM, STRONTIUM, AND BARIUM. I. V. VEITS AND
 L. V. GURVICH
 1956 22P
 TRANSLATED BY D. A. NIMIDOFF FROM OPTIKA I
 SPEKTROSKOPIIA 1,22-3 (1956)

198 61
 UCRL-TRANS-711 THE SHAPE OF PARTICLES DURING
 PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITSCH
 1955 17P
 TRANSLATION BY SUSAN WAYLAND FROM ACTA METALLURGICA 3,
 542-8 (1955)

199 61
 UCRL-TRANS-712 ON THE SHAPE OF PARTICLES DURING
 PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITSCH
 1957 3P
 TRANSLATION BY SUSAN WAYLAND FROM ACTA METALLURGICA 5,
 175-6 (1957)

NUCLEAR AND PARTICLE PHYSICS

INDEX OF BERKELEY UCRL REPORTS, 1961

200 61
 UCRL-8030-REV DATA FOR ELEMENTARY PARTICLE PHYSICS.
 W. H. BARKAS AND A. H. ROSENFELD
 OCTOBER 1, 1961 29P

201 61
 UCRL-8792 HIGH VELOCITY RANGE AND ENERGY-LOSS
 MEASUREMENTS IN ALUMINUM, COPPER, LEAD, URANIUM AND
 EMULSION. W. H. BARKAS AND S. VON FRIESEN
 JANUARY 1961 47P
 SUBMITTED FOR PUBLICATION IN IL NUOVO CIMENTO

202 61
 UCRL-8966-REV 5-BEV NEUTRON CROSS SECTIONS IN HYDROGEN
 AND OTHER ELEMENTS. J. H. ATKINSON, W. N. HESS,
 V. PEREZ-MENDEZ, AND R. WALLACE
 NOVEMBER 18, 1960 42P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

203 61
 UCRL-9130-REV THE RB-85 - RB-86 HYPERFINE STRUCTURE
 ANOMALY. N. BRASLAU, G. D. BRINK, AND J. M. KHAN
 AUGUST 1960 44P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

204 61
 UCRL-9148 THE RADIOACTIVE DECAY OF THE ISOTOPES OF THE
 TRANSURANIUM ELEMENTS. E. K. HYDE
 JANUARY 1961 304P

205 61
 UCRL-9225 ATOMIC BEAM INVESTIGATIONS OF ELECTRONIC AND
 NUCLEAR GROUND STATES IN THE RARE EARTH REGION.
 A. Y. CABEZAS, I. LINDGEN, AND R. MARRUS
 NOVEMBER 22, 1960 26P

206 61
 UCRL-9322 MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON
 DECAY. H. KRUGER
 FEBRUARY 2, 1961 85P
 THESIS

207 61
 UCRL-9362 DIFFERENTIAL ELASTIC PION PROTON SCATTERING AT
 600, 650, AND 750 MEV. J. I. SHONIE
 AUGUST 12, 1960 70P
 THESIS

INDEX OF BERKELEY UCRL REPORTS, 1961

- 208 61
 UCRL-9372 THE CROSS SECTIONS FOR THE FORMATION OF
 ASTATINE ISOTOPES MADE BY THE BOMBARDMENT OF BI-209 WITH
 HE-3. E. T. STROM
 NOVEMBER 1960 35P
 THESIS
- 209 61
 UCRL-9386 NEGATIVE K-MESON, PROTON AND NEGATIVE K-MESON,
 NEUTRON CROSS SECTIONS IN THE MOMENTUM RANGE 1 TO 4 BEV/C.
 V. COOK, B. CORK, T. F. HOANG ET AL
 JANUARY 4, 1961 55P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- 210 61
 UCRL-9390-REV ELECTRON TRIPLET PRODUCTION BY HIGH ENERGY
 PHOTONS IN HYDROGEN. D. C. GATES, R. W. KENNEY,
 W. P. SWANSON
 JUNE 1961 33P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- 211 61
 UCRL-9394 N-15 (PROTON, PROTON TWO NEUTRONS) N-13 REACTION
 INDUCED BY PROTONS OF ENERGY 0.4 TO 6.2 BEV. L. C. SAH
 AUGUST 1960 36P
 THESIS
- 212 61
 UCRL-9400 A REVIEW OF SOURCE TECHNIQUES USED IN
 RADIOACTIVE ATOMIC BEAM EXPERIMENTS. E. LIPWORTH
 SEPTEMBER 15, 1960 109P
- 213 61
 UCRL-9402 PION-PION CORRELATION IN ANTIPROTON-PROTON
 ANNIHILATION. G. GOLDHABER AND W. LEE
 SEPTEMBER 14, 1960 18P
 SUBMITTED FOR PUBLICATION IN REVIEW OF MODERN PHYSICS
- 214 61
 UCRL-9438 THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE,
 J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON
 OCTOBER 1960 47P
 SUBMITTED FOR PUBLICATION IN THE JOURNAL OF NUCLEAR
 PHYSICS
- 215 61
 UCRL-9438-REV THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE,
 J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON
 OCTOBER 1960 38P
 SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS

INDEX OF BERKELEY UCRL REPORTS, 1961

- UCRL-9442 216 61
 PHOTOPROTONS PRODUCED BY 245.15 MEV GAMMA RAYS
 ON CARBON. R. J. CENCE AND B. J. MOYER
 OCTOBER 18, 1960 24P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- UCRL-9446 217 61
 PARTICULATE RADIATION. ELECTRONS, PROTONS UP TO
 CARBON. C. A. TOBIAS AND R. WALLACE
 OCTOBER 26, 1960 36P
- UCRL-9450 218 61
 CHARGED SIGMA-HYPERON PRODUCTION AND DECAY.
 ENERGETICS, LIFETIMES, AND BRANCHING RATIOS. J. N. DYER
 NOVEMBER 1, 1960 89P
 THESIS
- UCRL-9452 219 61
 NUCLEAR ORIENTATION OF PM-143. C. A. LOVEJOY,
 J. O. RASMUSSEN, AND D. A. SHIRLEY
 FEBRUARY 16, 1961 16P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- UCRL-9459 220 61
 THE RADIO FREQUENCY EXCITATION OF THE HEAVY ION
 LINEAR ACCELERATOR. F. VOELKER
 OCTOBER 1960 10P
- UCRL-9480 221 61
 ATOMIC BEAM RESEARCH ON THE SPINS, HYPERFINE
 STRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140, AND LU-177.
 F. R. PETERSEN
 NOVEMBER 21, 1960 164P
 THESIS
- UCRL-9481 222 61
 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310
 MEV. PHASE SHIFT ANALYSIS. J. H. FOOTE, O. CHAMBERLAIN,
 E. H. ROGERS, AND H. M. STEINER
 NOVEMBER 16, 1960 53P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- UCRL-9488 223 61
 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310
 MEV. RECOIL NUCLEON POLARIZATION. J. H. FOOTE,
 O. CHAMBERLAIN, E. H. ROGERS, H. M. STEINER, C. E. WIEGAND,
 AND T. YPSILANTIS
 NOVEMBER 16, 1960 38P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

INDEX OF BERKELEY UCRL REPORTS, 1961

- UCRL-9489 S- AND P-WAVE INTERACTIONS OF NEGATIVE
K-MESONS IN HYDROGEN. P. NORDIN
NOVEMBER 21, 1960 40P
224 61
THESIS
- UCRL-9489-REV S- AND P-WAVE INTERACTIONS OF K- MESONS IN
HYDROGEN. P. NORDIN
MARCH 13, 1961 43P
225 61
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- UCRL-9491 PHOTOMESON PRODUCTION FROM HYDROGEN AND
DEUTERIUM. R. W. KENNEY, E. A. KNAPP, V. PEREZ-MENDEZ, AND
W. A. PERKINS
NOVEMBER 28, 1960
226 61
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- UCRL-9492 NEGATIVE XI PRODUCTION BY NEGATIVE K-MESONS.
W. B. FOWLER, R. W. BIRGE, P. EBERHARD ET AL
DECEMBER 2, 1960 9P
227 61
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- UCRL-9497 NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE
PIONS AND PROTONS ABOVE 1.4 BEV/C. M. J. LONGO
FEBRUARY 1961 80P
228 61
THESIS
- UCRL-9497-REV NUCLEON AND NUCLEAR CROSS SECTIONS FOR
POSITIVE PIONS AND PROTONS ABOVE 1.4-BEV/C. M. J. LONGO
AND B. J. MOYER
AUGUST 1, 1961 46P
229 61
SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW
- UCRL-9504 A THEORETICAL COMPARISON OF 4 PI FAST NEUTRON
SPECTROMETERS. C. M. KIM
NOVEMBER 1960 73P
230 61
THESIS
- UCRL-9505 THE TWO NUCLEON STRIPPING REACTION.
N. K. GLENDENNING
NOVEMBER 1960 23P
231 61
SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS

INDEX OF BERKELEY UCRL REPORTS, 1961

232 61
 UCRL-9508 NUCLEAR ORIENTATION OF DY-155 AND DY-157.
 Q. D. NAVARRO AND D. A. SHIRLEY
 DECEMBER 22, 1960 19P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

233 61
 UCRL-9510 A DYNAMICAL THEORY FOR STRONG INTERACTIONS AT
 LOW MOMENTUM TRANSFERS BUT ARBITRARY ENERGIES. G. F. CHEW
 AND S. C. FRAUTSCHI
 NOVEMBER 4, 1960 36P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

234 61
 UCRL-9511 ALPHA DECAY STUDIES IN THE FAMILIES OF THE
 LIGHT URANIUM ISOTOPES. C. P. RUIZ
 APRIL 1961 149P
 THESIS

235 61
 UCRL-9514 INFLUENCE OF THE LAMBDA, PION RESONANCE ON
 CORRELATIONS IN THE REACTION POSITIVE K-MESON PLUS PROTON
 YIELDS LAMBDA PLUS NEGATIVE-PION PLUS PROTON. O. I. DAHL,
 N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND P. G. WHITE
 JANUARY 3, 1961 12P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

236 61
 UCRL-9515 A UNIFIED DYNAMICAL APPROACH TO HIGH AND LOW
 ENERGY STRONG INTERACTIONS. G. F. CHEW
 JANUARY 3, 1961 18P
 PRESENTED AT THE CONFERENCE ON STRONG INTERACTIONS,
 BERKELEY, DECEMBER 1960

237 61
 UCRL-9524 DECAY-ENERGY SYSTEMATICS OF THE HEAVY ELEMENTS.
 I. PERLMAN AND F. ASARO
 JANUARY 17, 1961 31P
 SUBMITTED FOR PUBLICATION IN THE HANDBOOK OF PHYSICS,
 AMERICAN INSTITUTE OF PHYSICS

238 61
 UCRL-9525 ALPHA, DEUTERON REACTIONS ON ODD-ODD TARGETS.
 J. CERNY, B. G. HARVEY, AND R. H. PEHL
 FEBRUARY 1961 35P
 SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS

239 61
 UCRL-9526 ON THE IDENTIFICATION OF SPIN EQUALLING 3/2
 RESONANCES. H. P. STAPP
 DECEMBER 21, 1961 11P
 JOURNAL TO BE DECIDED LATER

INDEX OF BERKELEY UCRL REPORTS, 1961

- 240 61
 UCRL-9531 ANALYSIS OF THE A-3(X3)3 NUCLEAR SPIN SYSTEM
 PION-ELECTRON COUPLED HYPERFINE SPLITTING CONSTANTS IN
 AROMATIC HYDROCARBONS. J. V. ACRIVOS
 MAY 1961 30 P
 SUBMITTED FOR PUBLICATION IN MOLECULAR PHYSICS
- 241 61
 UCRL-9532 NEUTRON-DEFICIENT IRIDIUM ISOTOPES. IR-182,
 IR-183, AND IR-184. R. M. DIAMOND, J. M. HOLLANDER,
 D. J. HOREN ET AL
 JANUARY 16, 1961 23P
 SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS
- 242 61
 UCRL-9534 ISOMERIC CROSS-SECTION RATIO FOR THE ALPHA,
 PROTON NEUTRON REACTION. G. R. CHOPPIN AND T. SIKKELAND
 JANUARY 30, 1961 13P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF INORGANIC AND
 NUCLEAR CHEMISTRY
- 243 61
 UCRL-9535 LOW-ENERGY PION-PION S-WAVE PHASE SHIFTS.
 B. R. DESAI
 JANUARY 18, 1961 11P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- 244 61
 UCRL-9539 PION PRODUCTION BY NEGATIVE PIONS.
 B. C. BARISH, R. J. KURZ, P. G. MCMANIGAL ET AL
 JANUARY 23, 1961 13P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- 245 61
 UCRL-9540 FISSION OF URANIUM-238 WITH CARBON IONS.
 T. SIKKELAND, A. E. LARSH, AND G. E. GORDON
 MARCH 1961 36P
- 246 61
 UCRL-9541-ABSTRACT NEUTRON-DEFICIENT ALPHA EMITTERS OF
 HOLMIUM. R. D. MACFARLANE AND R. D. GRIFFIEON
 JANUARY 25, 1961
 FOR PRESENTATION AT THE APS MEETING, WASHINGTON, D. C.,
 APRIL 24-27, 1961
- 247 61
 UCRL-9542-ABSTRACT A REFINEMENT OF ALPHA DECAY BRANCHING
 RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI. J. O. RASMUSSEN
 JANUARY 26, 1961 1P
 FOR PRESENTATION AT THE APS MEETING, WASHINGTON, D C,
 APRIL 24-27, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

248 61
 UCRL-9543 ANTI-K- MESON NUCLEON BOUND-STATE
 INTERPRETATION OF THE 1385-MEV PION, LAMBDA RESONANCE.
 R. H. DALITZ
 JANUARY 25, 1961 12P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

249 61
 UCRL-9544 TEST OF ISOTOPIC SPIN CONSERVATION FROM AN
 EXPERIMENT LIMIT ON CROSS SECTION OF THE REACTON,
 DEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION.
 J. A. POIRIER AND M. PRIPSTEIN
 JANUARY 30, 1961 9P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

250 61
 UCRL-9545-ABSTRACT ROTATIONAL AND VIBRATIONAL LEVELS IN
 U-232. S. BJORNHOLM, A. B. KNUTSEN, AND O. B. NIELSEN
 FEBRUARY 1, 1961 1P
 FOR PRESENTATION AT APS MEETING, WASHINGTON, D. C.,
 APRIL 24-27, 1961

251 61
 UCRL-9547 A RESONANCE IN THE K- MESON, PION SYSTEM.
 M. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
 JANUARY 30, 1961 9P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

252 61
 UCRL-9548 PION-POSITIVE-OR-NEGATIVE, PROTON TOTAL CROSS
 SECTIONS IN THE RANGE 450 MEV TO 1650 MEV. T. J. DEVLIN
 MARCH 6, 1961 59P
 THESIS

253 61
 UCRL-9548-REV PION POSITIVE AND NEGATIVE- PION TOTAL
 CROSS SECTIONS IN THE RANGE 450 TO 1650 MEV. T. J. DEVLIN,
 B. J. MOYER, AND V. PEREZ-MENDEZ
 JUNE 9, 1961 39P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

254 61
 UCRL-9551-ABSTRACT NEGATIVE K- MESON INTERACTIONS IN
 HYDROGEN AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ,
 P. EBERHARD ET AL
 FEBRUARY 1961
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETINGS,
 WASHINGTON, APRIL 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

- 255 61
UCRL-9553 KINEMATICS AND DISPERSION RELATIONS FOR GENERAL
PRODUCTION PROCESSES. M. KRETZSCHMAR
FEBRUARY 2, 1961 58P
SUBMITTED FOR PUBLICATION IN ANNALS OF PHYSICS
- 256 61
UCRL-9554 RECOIL-FREE RESONANT ABSORPTION IN AU-197.
D. A. SHIRLEY, M. KAPLAN, AND P. AXEL
FEBRUARY 5, 1961 57P
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- 257 61
UCRL-9556-ABSTRACT ABSORPTION OF NEGATIVE K-MESONS IN
DEUTERIUM AND HYDROGEN. O. I. DAHL, N. HORWITZ,
D. H. MILLER, AND J. J. MURRAY
FEBRUARY 1961 1P
FOR PRESENTATION AT THE APS MEETING, WASHINGTON, D. C.,
APRIL 1961
- 258 61
UCRL-9557-ABSTRACT MOMENTUM DEPENDENCE OF THE ASYMMETRY
IN MUON DECAY. K. M. CROWE AND H. KRUGER
FEBRUARY 1961 1P
FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETINGS,
WASHINGTON, APRIL 24-25, 1961
- 259 61
UCRL-9558-ABSTRACT LEPTONIC DECAYS OF HYPERONS.
W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, AND J. LEITNER
FEBRUARY 1961 1P
FOR PRESENTATION AT THE APS MEETING, WASHINGTON, D. C.,
APRIL 24, 1961
- 260 61
UCRL-9558-REV-ABSTRACT EVIDENCE FOR LOW RATES OF
ELECTRONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ,
A. H. ROSENFELD ET AL
FEBRUARY 1961 1P
FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETINGS,
WASHINGTON, APRIL 1961
- 261 61
UCRL-9560-ABSTRACT CHARGED PARTICLE SPECTRA FROM HEAVY
ION BOMBARDMENT. H. H. HECKMAN, D. V. REAMES, AND
W. G. SIMON
FEBRUARY 1961 1P
FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETINGS,
WASHINGTON, APRIL 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

- 262 61
 UCRL-9561-ABSTRACT THEORY OF PION, NUCLEON SCATTERING IN
 THE STRIP APPROXIMATION TO THE MANDELSTAM REPRESENTATION.
 V. SINGH AND B. M. UDGAONKAR
 FEBRUARY 1961 1P
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, WASHINGTON, APRIL 1961
- 263 61
 UCRL-9561 THEORY OF PION-NUCLEON SCATTERING IN THE STRIP
 APPROXIMATION TO THE MANDELSTAM REPRESENTATION. V. SINGH
 AND B. M. UDGAONKAR
 FEBRUARY 9, 1961 36P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- 264 61
 UCRL-9562 NUCLEAR ORIENTATION OF ND147.
 G. A. WESTENBARGER AND D. A. SHIRLEY
 FEBRUARY 8, 1961 29P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- 265 61
 UCRL-9563 TWO PROBLEMS OF STRUCTURE IN THE THEORY OF WEAK
 INTERACTIONS. PART 1. RADIATIVE PION DECAY INTO ELECTRONS.
 PART 2. ELECTRO-MAGNETIC PROPERTIES OF A CHARGED VECTOR MESON
 INTERMEDIARY IN WEAK INTERACTIONS. J. A. YOUNG
 FEBRUARY 8, 1961 65P
 THESIS
- 266 61
 UCRL-9564-ABSTRACT CHARGE EXCHANGE PRODUCTION OF
 ANTINEUTRONS AND ANTINEUTRON ANNIHILATION IN HYDROGEN.
 C. K. HINRICHS, B. J. MOYER, P. M. OGDEN ET AL
 FEBRUARY 2, 1961 1P
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETING,
 WASHINGTON, APRIL 1961
- 267 61
 UCRL-9569 NUCLEAR ORIENTATION OF PARAMAGNETIC
 IMPURITY IONS. M. KAPLAN AND D. A. SHIRLEY
 FEBRUARY 10, 1961 8P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- 268 61
 UCRL-9570 SEARCH FOR POSITIVE PARTICLES OF MASSES ABOUT
 500 ELECTRON MASSES AND 1400 ELECTRON MASSES. V. COOK,
 D. KEEFE, L. T. KERTH ET AL
 FEBRUARY 1961 6P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

INDEX OF BERKELEY UCRL REPORTS, 1961

UCRL-9573-ABSTRACT 269 61
 POSITIVE K-MESON, PROTON INTERACTIONS
 BELOW 100 MEV. T. STUBBS, S. GOLDHABER, H. BRADNER ET AL
 FEBRUARY 1961
 FOR PRESENTATION AT THE APS MEETING, WASHINGTON, D. C.,
 APRIL 24-27, 1961

UCRL-9575 270 61
 BREMSSTRAHLUNG. R. W. KENNEY
 FEBRUARY 1961 6P
 PUBLISHED IN ENCYCLOPEDIA OF ELECTONICS

UCRL-9577 271 61
 EXPERIMENTAL RESULTS ON THE PION-PION CROSS
 SECTION. J. A. ANDERSON, V. X. BANG, P. G. BURKE,
 D. D. CARMONY, AND N. SCHMITZ
 FEBRUARY 23, 1961 8P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

UCRL-9580 272 61
 ON THE STRONG INTERACTIONS OF THE STRANGE
 PARTICLES. R. H. DALITZ
 JANUARY 27, 1961 82P
 SUBMITTED FOR PUBLICATION IN REVIEWS OF MODERN PHYSICS

UCRL-9581 273 61
 FINAL STATES OF THE ANTIPROTON PROTON SYSTEM.
 G. R. LYNCH
 FEBRUARY 22, 1961 28P
 SUBMITTED FOR PUBLICATION IN REVIEW OF MODERN PHYSICS

UCRL-9585 274 61
 PION-PION INTERACTIONS. J. A. ANDERSON,
 V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
 FEBRUARY 1961 17P
 SUBMITTED FOR PUBLICATION IN REVIEW OF MODERN PHYSICS.
 ALSO PROCEEDINGS OF TOPICAL CONFERENCE ON STRONG
 INTERACTIONS, BERKELEY, CALIF, DECEMBER 27-29, 1960

UCRL-9587 275 61
 PION-HYDROGEN RESONANCES. M. H. ALSTON AND
 M. FERRO-LUZZI
 MARCH 7, 1961 47P
 SUBMITTED FOR PUBLICATION IN REVIEW OF MODERN PHYSICS

UCRL-9589 276 61
 CHARGE EXCHANGE PRODUCTION OF ANTINEUTRON AND
 THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICHS
 MARCH 14, 1961 83P
 THESIS

INDEX OF BERKELEY UCRL REPORTS, 1961

277 61
 UCRL-9589-REV CHARGE EXCHANGE PRODUCTION OF ANTINEUTRONS
 AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICHS, B. J.
 MOYER, J. A. POIRER, AND P. M. OGDEN
 JULY 5, 1961 62P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW

278 61
 UCRL-9594 ANGULAR DISTRIBUTION OF PROTONS FROM
 PION-PROTON SCATTERING AT 900 MEV. V. C. MAGLIC,
 B. T. FELD, AND C. A. DIFFEY
 FEBRUARY 1961 34P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW

279 61
 UCRL-9595 INVESTIGATION OF NUCLEAR REACTIONS BY RECOIL
 STUDIES OF RADIOACTIVE PRODUCTS. J. R. MORTON
 APRIL 1961 115P
 THESIS

280 61
 UCRL-9597 A STUDY OF K-MESONS IN ANTIPROTON, PROTON
 ANNIHILATION. G. R. KALBFLEISCH
 MARCH 7, 1961 127P

281 61
 UCRL-9604 THE CUSP IN LAMBDA, K-MESON PRODUCTION AT SIGMA,
 K-MESON THRESHOLD. S. E. WOLF, N. SCHMITZ, L. J. LLOYD,
 W. LASKER, F. S. CROWFORD, J. BUTTON, J. A. ANDERSON, AND
 G. ALEXANDER
 MARCH 1961 38P
 SUBMITTED FOR PUBLICATION IN THE PROCEEDINGS OF TOPICAL
 CONFERENCE ON STRONG INTERACTION, BERKELEY, DECEMBER 1960.
 ALSO IN REVIEWS OF MODERN PHYSICS

282 61
 UCRL-9605 EVIDENCE FOR LOW RATES FOR BETA DECAY OF
 SIGMA-NEGATIVE AND LAMBDA HYPERONS. W. E. HUMPHREY,
 J. KIRZ, A. H. ROSENFELD, J. LEITNER, AND Y. I. RHEE
 MARCH 15, 1961 10P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

283 61
 UCRL-9607 NEGATIVE PION-PROTON ELASTIC SCATTERING IN THE
 ENERGY REGION 500-1500 MEV. B. J. MOYER
 MARCH 1961 24P
 SUBMITTED FOR PUBLICATION IN THE PROCEEDINGS OF TOPICAL
 CONFERENCE ON STRONG INTERACTION, BERKELEY, DECEMBER 1960.
 ALSO IN REVIEWS OF MODERN PHYSICS

INDEX OF BERKELEY UCRL REPORTS, 1961

- 284 61
 UCRL-9608 MEASUREMENTS OF E2 DECAY TRANSITION INTERNAL
 CONVERSION COEFFICIENTS. A DISCUSSION OF THE INTERNAL
 EXTERNAL CONVERSION METHOD. S. HULTBERG, D. J. HOREN, AND
 J. M. HOLLANDER
 APRIL 1961 18P
 SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS
- 285 61
 UCRL-9609 THE K- AND L- AUGER SPECTRUM OF URANIUM.
 R. G. ALBRIDGE AND J. M. HOLLANDER
 MARCH 14, 1961 14P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF NUCLEAR PHYSICS
- 286 61
 UCRL-9610 THE ELASTIC SCATTERING OF 24-MEV DEUTERONS.
 D. G. HOFFMAN
 SEPTEMBER 1960 45P
 THESIS
- 287 61
 UCRL-9614 GENERATION OF THREE BODY PRODUCTION AND
 DECAY PROCESSES FOLLOWING PHASE SPACE DISTRIBUTION BY
 MONTE CARLO METHOD. J. A. KADYK
 APRIL 10, 1961 65P
- 288 61
 UCRL-9619 ANGULAR DISTRIBUTIONS FROM HEAVY ION INDUCED
 FISSION. V. E. VIOLA
 MARCH 24, 1961 95P
 THESIS
- 289 61
 UCRL-9622 PION-NEGATIVE, PROTON ELASTIC SCATTERING AT
 550, 600, 720, 900, AND 1020 MEV. C. D. WOOD, T. J. DEVLIN,
 J. A. HELLAND, M. J. LONGO, B. J. MOYER, AND
 V. PEREZ-MENDEZ
 APRIL 3, 1961 9P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- 290 61
 UCRL-9623-ABSTRACT TOTAL CROSS SECTIONS FOR NEGATIVE
 PIONS ON PROTONS AT 230, 290, 370, 427, AND 460 MEV.
 L. K. GOODWIN, J. C. CARIS, R. W. KENNEY, V. PEREZ-MENDEZ,
 AND W. A. PERKINS III
 APRIL 3, 1961
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETING,
 MEXICO CITY, JUNE 22-24, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

- 291 61
 UCRL-9625-ABSTRACT ANGULAR DISTRIBUTION IN THE
 PHOTODISINTEGRATION OF THE DEUTERON. G. KRAMER
 APRIL 3, 1961 1P
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETING,
 MEXICO CITY, JUNE 22-24, 1961
- 292 61
 UCRL-9628-ABSTRACT REACTION CROSS SECTION FOR 160 MEV
 O-16 IONS IN ALUMINUM BY THE ATTENUATION METHOD. G. IGO AND
 B. WILKINS
 APRIL 4, 1961 1P
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETING,
 MEXICO CITY, JUNE 22-24, 1961
- 293 61
 UCRL-9629-ABSTRACT QUASI ELASTIC SCATTERING OF 920 MEV
 ALPHA PARTICLES BY ALPHA PARTICLE CLUSTERS IN C-12.
 T. J. GODDING AND G. IGO
 APRIL 4, 1961
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETING,
 MEXICO CITY, JUNE 22-24 1961
- 294 61
 UCRL-9631-ABSTRACT EFFECTS OF RESIDUAL INTERACTIONS IN
 SPECTRA OF ODD-A AND ODD-ODD DEFORMED NUCLEI.
 N. K. GLENDENNING AND S. G. NILSSON
 APRIL 4, 1961
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, MEXICO CITY, JUNE 22-24, 1961
- 295 61
 UCRL-9633-ABSTRACT ATOMIC CORRELATION ENERGIES WITH
 APPLICATION TO BORON. H. KELLY
 APRIL 1961
 FOR PRESENTATION AT THE SECOND INTERNATIONAL CONFERENCE
 ON THE PHYSICS OF ELECTRONIC AND ATOMIC COLLISIONS,
 UNIVERSITY OF COLORADO, BOULDER, COLORADO, JUNE 12-15,
 1961
- 296 61
 UCRL-9634 THEORY OF LOW ENERGY NUCLEON NUCLEON
 SCATTERING. M. L. GOLDBERGER, M. T. GRISARU,
 S. W. MACDOWELL, AND D. Y. WONG
 DECEMBER 15, 1960 27P
 PUBLISHED IN THE PHYSICAL REVIEW 120(6)2250(DECEMBER 15,
 1960)

INDEX OF BERKELEY UCRL REPORTS, 1961

- 297 61
 UCRL-9635-ABSTRACT ESTIMATE OF THE S WAVE SIGMA-NEGATIVE,
 NEUTRON INTERACTION. O. DAHL, N. HORWITZ, D. H. MILLER,
 J. J. MURRAY, AND J. SCHWARTZ
 APRIL 1961 1P
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, MEXICO CITY, JUNE 22-24, 1961
- 298 61
 UCRL-9636-ABSTRACT ANTIPROTON PROTON CROSS SECTIONS AT
 LOW ENERGY. B. CORK, O. I. DAHL, D. H. MILLER,
 A. G. TENNER, AND C. L. WANG
 APRIL 1961 1P
- 299 61
 UCRL-9637-ABSTRACT EXPERIMENTAL LIMIT FOR SIGMA (DEUTERON
 PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION) AT 460 MEV.
 J. A. POIRIER, W. C. BOWMAN, J. B. CARROLL, AND
 M. PRIPSTEIN
 APRIL 1961 1P
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, JUNE 22-24, 1961
- 300 61
 UCRL-9639-ABSTRACT POLARIZATION AND CORRELATION TENSORS
 IN ELECTRON HYDROGEN ATOM SCATTERING. P. G. BURKE AND
 H. M. SCHEY
 APRIL 1961 1P
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETING,
 MEXICO CITY, JUNE 22, 1961
- 301 61
 UCRL-9640 THE PION-LAMBDA RESONANCE, THE LAMBDA-PION
 SYSTEM WITH RESONANCE OF ONE. J. P. BERGE, P. BASTIEN,
 O. DAHL, M. FERRO-LUZZI, J. KIRZ, D. H. MILLER,
 J. J. MURRAY, A. H. ROSENFELD, R. D. TRIPP, AND
 M. B. WATSON
 APRIL 6, 1961 18P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- 302 61
 UCRL-9641-ABSTRACT THE NUCLEAR SPIN OF SCANDIUM-46.
 F. R. PETERSEN AND H. A. SHUGART
 APRIL 1961 1P
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETING,
 MEXICO CITY, JUNE 22-24, 1961
- 303 61
 UCRL-9643-ABSTRACT THE NEGATIVE K MESON, PROTON
 INTERACTION IN THE 400 MEV/C REGION. R. TRIPP,
 M. FERRO-LUZZI, AND M. WATSON
 APRIL 1961 1P
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, MEXICO CITY, MEXICO, JUNE 22-24, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

304 61

UCRL-9644 BOSE STATISTICS AND LAMBDA, PION PRODUCTION AND
DECAY IN NEGATIVE K-MESON, PROTON COLLISIONS. R. H. DALITZ
AND D. H. MILLER
APRIL 10, 1961 17P
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

305 61

UCRL-9645 THE NEW ELEMENT, LAWRENCIUM, ATOMIC NUMBER 103.
A. GHIORSO, T. SIKKELAND, A. E. LARSH, AND R. M. LATIMER
APRIL 10, 1961

306 61

UCRL-9650 HEAVY ION ELASTIC SCATTERING. J. ALSTER
APRIL 17, 1961 91P
THESIS

307 61

UCRL-9656 LOW ENERGY PION PHOTON INTERACTION, THE 2 PION,
2 GAMMA VERTEX. B. R. DESAI
APRIL 20, 1961 57P
THESIS

308 61

UCRL-9669-ABSTRACT SCATTERING OF ELECTRONS BY ATOMIC
HYDROGEN. P. G. BURKE, V. M. BURKE, AND H. M. SCHEY
MAY 1961 3P
FOR PRESENTATION AT THE CONFERENCE ON PHYSICS OF ATOMIC
AND ELECTRONIC COLLISIONS

309 61

UCRL-9670 CHARGE ASYMMETRIES IN THE ANGULAR
DISTRIBUTION OF NEUTRAL PION AND K-MESONS FORM ANTIPROTON
ANNIHILATIONS IN FLIGHT. B. C. MAGLIC, G. R. KALBFLEISCH,
AND M. L. STEVENSON
JULY 18, 1961 12P
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

310 61

UCRL-9673 ANTIPROTON PROTON INELASTIC INTERACTIONS AT
1.61 BEV/C AND THEIR USE FOR A TEST OF CHARGE CONJUGATION
INVARIANCE IN STRONG INTERACTIONS. N. XUONG, G. R. LYNCH,
AND C. K. HINRICHS
APRIL 21, 1961 24P
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

INDEX OF BERKELEY UCRL REPORTS, 1961

- 311 61
 UCRL-9675 THE SIGMA/ LAMBDA BRANCHING RATIO OF THE
 LAMBDA- PION SYSTEM WITH RESONANCE OF ONE. M. H. ALSTON,
 L. W. ALVEREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO,
 H. K. TICHON, AND S. G. WOJCICKI
 APRIL 25, 1961 9P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- 312 61
 UCRL-9677 ON THE ABSENCE OF MUON- ELECTRON CONVERSION
 PROCESSES AND THE DELTA I EQUALS ONE-HALF RULE.
 S. A. BLUDMAN
 APRIL 24, 1961 24P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- 313 61
 UCRL-9678-ABSTRACT LOW-LYING LEVELS IN SEVERAL
 TRANSURANIC ATOMS. B. R. JUDD
 MAY 1961 1P
- 314 61
 UCRL-9679 CLEBSCH GORDAN COEFFICIENTS FOR NUCLEAR
 TRANSITION PROBABILITIES, 1 ODD-MASS NUCLIDES. J. K. LUM,
 J. H. LIGHT, AND F. ASARO
 AUGUST 25, 1961 37P
- 315 61
 UCRL-9680-ABSTRACT TEST OF CHARGE SYMMETRY OF K-POSITIVE
 AND K-NEUTRAL MESONS. J. BUTTON, F. CRAWFORD,
 M. L. STEVENSON ET AL
 MAY 1961 1P
- 316 61
 UCRL-9683 EJECTION OF LARGE FRAGMENTS IN HIGH ENERGY
 NUCLEAR REACTIONS. V. P. CRESPO
 SEPTEMBER 6, 1961 75P
 THESIS
- 317 61
 UCRL-9685 THE ROLE OF THE POTENTIAL AND UNSTABLE IN THE
 S-MATRIX THEORY OF STRONG INTERACTION. G. F. CHEW AND
 S. C. FRAUTSCHI
 APRIL 27, 1961 12P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- 318 61
 UCRL-9686 EVIDENCE FOR A T ZERO RESONANCE IN THE SIGMA
 PION SYSTEM. M. H. ALSTON, L. W. ALVEREZ, P. EBERHARD
 ET AL
 APRIL 28, 1961 13P

INDEX OF BERKELEY UCRL REPORTS, 1961

319 61
 UCRL-9689 DECAY MEASUREMENTS IN EMULSION ON PARTICLES
 OF NEGATIVE STRANGENESS. W. H. BARKAS, J. N. DYER,
 C. J. MASON, N. A. NICKOLS, AND F. M. SMITH
 MAY 2 1961 61P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

320 61
 UCRL-9690 NUCLEAR SPIN, HYPERFINE STRUCTURE, AND
 NUCLEAR MOMENTS OF 64-HOUR YTTRIUM-90. F. R. PETERSEN, AND
 AND H. A. SHUGART
 MAY 15, 1961 30P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

321 61
 UCRL-9691 CHARGE EXCHANGE SCATTERING OF POSITIVE
 K- MESONS ON DEUTERONS. W. LEE
 MAY 19, 1961 57P
 THESIS

322 61
 UCRL-9693 SIGMA DECAY MODES OF THE PION HYPERON
 RESONANCES. P. BASTIEN, M. FERRO-LUZZI AND A. H. ROSENFELD
 MAY 8, 1961 13P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

323 61
 UCRL-9706 ON THE GENTLE ART OF HUNTING BUMPS IN THE PION
 HYPERON SYSTEM. L. T. KERTH AND A. PAIS
 MAY 19, 1961 13P

324 61
 UCRL-9708 THE K- MESON NUCLEON INTERACTION. L. T. KERTH
 MAY 1961 13P
 SUBMITTED FOR PUBLICATION IN REVIEW OF MODERN PHYSICS
 (PROCEEDINGS OF TOPICAL CONFERENCE ON STRONG INTERACTION IN
 BERKELEY, DECEMBER 1960)

325 61
 UCRL-9710 SCATTERING OF 915 MEV ALPHA PARTICLES FROM
 CARBON AND HELIUM; DIRECT EVIDENCE FOR ALPHA PARTICLE
 CLUSTERING IN NUCLEI. T. J. GOODING AND G. IGO
 MAY 18, 1961 10P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

326 61
 UCRL-9712 AN EXPERIMENTAL DETERMINATION OF THE
 NEUTRAL K-1 MESON - NEUTRAL K-2 MESON MASS DIFFERENCE.
 R. P. MATSEN
 MAY 22, 1961 74P
 THESIS

INDEX OF BERKELEY UCRL REPORTS, 1961

- UCRL-9714 327 61
TWO NUCLEON TRANSFER REACTIONS IN THE LIGHT
ELEMENTS. J. CERNY
MAY 23, 1961 111P
THESIS
- UCRL-9717 328 61
A STUDY OF RESONANCES OF THE SIGMA-PION SYSTEM.
M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD,
W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI
MAY 23, 1961 15P
SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW
LETTERS
- UCRL-9719 329 61
THE ANOMALY IN MESON PRODUCTION IN PROTON,
DEUTERON COLLISIONS. N. E. BOOTH, A. ABASHIAN, AND
K. M. CROWE
MAY 29, 1961 15P
SUBMITTED FOR PUBLICATION PHYSICAL REVIEW LETTERS
- UCRL-9724 330 61
EFFECTS OF ANGULAR MOMENTUM ON GAMMA-RAY
PRODUCTION IN COMPOUND NUCLEUS REACTIONS. J. F.
MOLLENAUER
JUNE 1961 117P
THESIS
- UCRL-9728 331 61
A UNIFIED DYNAMICAL APPROACH TO HIGH- AND
LOW-ENERGY STRONG INTERACTIONS. S. C. FRAUTSCHI
MAY 31, 1961 16P
FOR PRESENTATION AT THE INTERNATIONAL CONFERENCE ON
THEORETICAL ASPECTS OF VERY HIGH ENERGY PHENOMENA
- UCRL-9729 332 61
HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF
RAE, BI-210. S. S. ALPERT, E. LIPWORTH, M. B. WHITE, AND
K. F. SMITH
JUNE 5, 1961 25P
SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW
- UCRL-9730 333 61
THE EFFECT OF PAIR INTERACTION ON NUCLEAR
MATTER. Y. PWU
JUNE 5, 1961 102P
THESIS
- UCRL-9731 334 61
THE DECAY OF HF-173. J. VALENTIN, D. J. HOREN,
AND J. M. HOLLANDER
JUNE 1961 37P

INDEX OF BERKELEY UCRL REPORTS, 1961

335 61
 UCRL-9732 TOTAL CROSS SECTION MEASUREMENTS OF POSITIVE
 K-MESON, PROTON AND POSITIVE K-MESON NEUTRON INTERACTIONS
 IN THE MOMENTUM REGION 0.77 TO 2.83 BEV/C. V. COOK, D.
 KEEFE, L. T. KERTH, P. G. MURPHY, W. A. WENZEL, AND T. F.
 ZIPF
 JULY 20, 1961 10P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

336 61
 UCRL-9733 NUCLEAR MAGNETIC RESONANCE STUDIES, PART 1.
 H-1 TEMPERATURE DEPENDENT CHEMICAL SHIFTS, PART 2. F-19
 SPIN-SPIN COUPLINGS. L. PETRAKIS
 JUNE 6, 1961 84P
 THESIS

337 61
 UCRL-9734 PRODUCTION OF PION PAIRS BY A PHOTON IN THE
 COULOMB FIELD OF A NUCLEUS. Y. KIM
 JUNE 5, 1961 58P
 THESIS

338 61
 UCRL-9735 NEGATIVE K-MESON INTERACTION IN DEUTERIUM.
 O. DAHL, N. HORWITZ, D. MILLER, J. MURRAY, AND M. WATSON
 AUGUST 1960 4P
 FOR PRESENTATION AT THE 1960 ROCHESTER CONFERENCE ON
 HIGH ENERGY PHYSICS, AUGUST 25 TO SEPTEMBER 1, 1960

339 61
 UCRL-9736 THE NEGATIVE K-MESON, PROTON AND NEUTRON
 INTERACTION FROM 0.6 BEV TO 3.5 BEV. V. COOK, B. CORK, T.
 F. HOANG, D. KEEFE, L. T. KERTH, W. A. WENZEL, AND T. F.
 ZIPF
 AUGUST 1960 2P
 FOR PRESENTATION AT THE 1960 ROCHESTER CONFERENCE ON
 HIGH ENERGY PHYSICS, AUGUST 25 TO SEPTEMBER 1

340 61
 UCRL-9739 K-MESON INTERACTIONS, EXPERIMENTAL. D.
 MILLER
 AUGUST 1960 7P
 FOR PRESENTATION AT THE 1960 ROCHESTER CONFERENCE ON
 HIGH-ENERGY PHYSICS, AUGUST 25 TO SEPTEMBER 1

341 61
 UCRL-9740 THE PION-PION INTERACTION. G. F. CHEW
 AUGUST 1960 5P
 FOR PRESENTATION AT THE 1960 ROCHESTER CONFERENCE ON
 HIGH-ENERGY PHYSICS, AUGUST 25 TO SEPTEMBER 1

INDEX OF BERKELEY UCRL REPORTS, 1961

350 61
 UCRL-9754 PROMPT FISSION YIELDS AND TOTAL KINETIC ENERGY
 BEHAVIOR FROM TIME OF FLIGHT MEASUREMENTS. J. C. D.
 MILTON, AND J. S. FRASER
 JUNE 16, 1961
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

351 61
 UCRL-9757 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF
 AMERICIUM-242. R. MARRUS, AND J. WINOCUR
 JUNE 19, 1961 11P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW

352 61
 UCRL-9758 THE ALPHA DECAY SCHEME OF 152 YEAR AM-242M.
 F. ASARO, M. C. MICHEL, S. G. THOMPSON, AND I. PERLMAN
 JUNE 20, 1961 8P
 FOR PRESENTATION TO THE PROCEEDINGS OF RUTHERFORD
 JUBILEE INTERNATIONAL CONFERENCE, MANCHESTER, ENGLAND,
 SEPTEMBER 4-8, 1961

353 61
 UCRL-9760 ON THE SPEED OF REACTIONS AT HIGH PRESSURES.
 E. TELLER
 JUNE 19, 1961 10P

354 61
 UCRL-9762 MEASUREMENT OF TOTAL CROSS SECTIONS OF
 NEGATIVE K- MESONS IN HYDROGEN AND DEUTERIUM IN THE
 MOMENTUM REGION 630 MEV/C TO 1100 MEV/C. O. CHAMBERLAIN,
 K. M. CROWE, D. KEEFE, L. T. KERTH, A. LEMONICK, T. MAUNG,
 AND T. F. ZIPP
 SEPTEMBER 5, 1961 25P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW

355 61
 UCRL-9764 SCATTERING IN THE K=0 BAND OF ODD-ODD DEFORMED
 NUCLEI. N. D. NEWBY
 JULY 1961 32P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW

356 61
 UCRL-9768 PULSED NEUTRON EXPERIMENTS IN THE STUDENT
 LABORATORY
 JUNE 1961 1P
 CONTRIBUTED 10-MINUTE PAPER AAPT, JUNE 1961, MEETING
 AT STANFORD, CALIFORNIA

INDEX OF BERKELEY UCRL REPORTS, 1961

- UCRL-9774 THE NUCLEAR SPIN OF NEODYMIUM-141. S. S. ALPERT, B. BUDICK, E. LIPWORTH, AND R. MARRUS
JULY 3, 1961 13P
357 61
SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW
- UCRL-9776 THE EMISSION SPECTRUM OF CALIFORNIUM. J. G. CONWAY, E. K. HULET, AND R. J. MORROW
JULY 1961 5P
358 61
SUBMITTED FOR PUBLICATION IN JOURNAL OF THE OPTICAL SOCIETY OF AMERICA
- UCRL-9779 LOW-LYING LEVELS IN CERTAIN ACTINIDE ATOMS. B. R. JUDD
JULY 6, 1961 60P
359 61
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW
- UCRL-9780 ENERGY LEVELS OF LU-172 (71 PROTONS, 101 NEUTRONS). J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDERS
JULY 1961 18P
360 61
SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS
- UCRL-9788 NUCLEAR ORIENTATION OF TB-156. C. A. LOVEJOY, AND D. A. SHIRLEY
JULY 1961 17P
361 61
SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS
- UCRL-9789 RESPONSE OF THE OAK RIDGE CRITICALITY FISSION FOIL MONITOR. B. WAYLAND
JULY 17, 1961 14P
362 61
- UCRL-9798 ANALYSIS OF 1347 NEGATIVE-PION DECAYS. M. FERRO-LUZZI, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, AND R. D. TRIPP
AUGUST 4, 1961 11P
363 61
SUBMITTED FOR PUBLICATION IN IL NUOVO CIMENTO (LETTERS)
- UCRL-9803 THE GIANT E1 RESONANCE FOR DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDENNING
SEPTEMBER 1961 38P
364 61
SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS

INDEX OF BERKELEY UCRL REPORTS, 1961

- UCRL-9809 ELECTRON TRACK COUNTING FOR BETA
SPECTROSCOPY. K. D. SEVIER
AUGUST 7, 1961 10P
365 61
- UCRL-9810 EVIDENCE FOR A T=0 THREE PION RESONANCE. B. STEVENSON
C. MAGLIC, L. W. ALVAREZ, A. H. ROSENFELD, AND M. L.
AUGUST 11, 1961 13P
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
366 61
- UCRL-9811 CAN MASSLESS PARTICLES BE CHARGED. K. M. CASE
AND S. G. GASIOROWICZ
AUGUST 8, 1961 15P
SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW
367 61
- UCRL-9812 ISOMERIC STATE IN Y-86. Y. E. KIM, D. J. HOREN,
AND J. M. HOLLANDER
AUGUST 1961 9P
SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS
368 61
- UCRL-9819 RECENT SUPERCONDUCTIVITY TESTS AND STUDIES.
P. R. ARON, H. P. HERNANDES, AND H. C. HITCHCOCK
AUGUST 15, 1961
FOR PRESENTATION AT THE 1961 BROOKHAVEN INTER.
CONFERENCE ON HIGH-ENERGY ACCELERATION, SEPTEMBER 5-12,
1961
369 61
- UCRL-9820 ASYMMETRY PARAMETERS IN THE DECAYS POSITIVE
SIGMA YIELDS PROTON PLUS NEUTRAL PION AND NEUTRAL LAMBDA
YIELDS PROTON PLUS NEGATIVE PION. E. F. BEALL, B. CORK, D.
KEEFE, P. G. MURPHY, ET AL
AUGUST 22, 1961 10P
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
370 61
- UCRL-9822 STOPPING OF CF-252 FISSION FRAGMENTS IN
EMULSION. K. D. SEVIER
AUGUST 16, 1961 7P
SUBMITTED FOR PUBLICATION IN NUCLEAR INSTRUMENTS
371 61
- UCRL-9830 ENERGY LEVELS OF ER(2). B. R. JUDD AND L. C.
MARQUET
AUGUST 1961 12P
372 61

INDEX OF BERKELEY UCRL REPORTS, 1961.

373 61
 UCRL-9834 A SHAPE INDEPENDENT APPROACH TO MODERATELY
 HIGH ENERGY NUCLEON NUCLEON SCATTERING. L. A. P. BALAZS
 AUGUST 21, 1961 18P

374 61
 UCRL-9836 DECAY OF NEUTRAL PIONS. H. SHWE, F. M. SMITH,
 AND W. H. BARKAS
 AUGUST 25, 1961 15P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

375 61
 UCRL-9837 ELECTROMAGNETIC PRODUCTION OF CHARGED VECTOR
 MESONS. S. A. BLUDMAN AND J. A. YOUNG
 AUGUST 23, 1961 23P

376 61
 UCRL-9851-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF
 FRANCIUM. R. D. GRIFFIOEN AND R. D. MACFARLANE
 SEPTEMBER 7, 1961 1P
 FOR PRESENTATION AT THE APS MEETING, CHICAGO, ILLINOIS,
 NOVEMBER 24-25, 1961

377 61
 UCRL-9852-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF
 OF ERBIUM. R. D. MACFARLANE AND R. D. GRIFFIOEN
 SEPTEMBER 7, 1961 1P
 FOR PRESENTATION AT THE APS MEETING IN CHICAGO,
 ILLINOIS, NOVEMBER 24-25, 1961

378 61
 UCRL-9856 SPIN AND PARITY OF THE OMEGA MESON. M. L.
 STEVENSON, L. W. ALVAREZ, B. C. MAGLIC, AND A. H.
 ROSENFELD
 SEPTEMBER 14, 1961 12P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

379 61
 UCRL-9857 EVIDENCE CONFIRMING THE T=ZERO THREE PION
 RESONANCE. N. H. XUONG AND G. R. LYNCH
 SEPTEMBER 14, 1961 9P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW
 LETTERS

380 61
 UCRL-9858 THE POSITIVE K- MESON, DEUTERON CHARGE
 EXCHANGE REACTION FROM 52 TO 456 MEV. W. SLATER, D. H.
 STORK, H. K. TICHON, W. LEE, W. CHINOWSKY, G. GOLDBABER, S.
 GOLDBABER, AND T. O'HALLORAN
 OCTOBER 13, 1961 17P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

INDEX OF BERKELEY UCRL REPORTS, 1961

381 61
 UCRL-9859-ABSTRACT NEGATIVE K- MESON PLUS PROTON
 INTERACTIONS AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ, P.
 EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G.
 WOJCICKI
 SEPTEMBER 15, 1961
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, CHICAGO, NOVEMBER 24-25, 1961

382 61
 UCRL-9863 A SELF CONSISTENT MODEL FOR NONLEPTONIC
 DECAYS OF SIGMA AND LAMBDA HYPERONS. V. SINGH AND B. M.
 UDGAONKAR
 SEPTEMBER 20, 1961 14P

383 61
 UCRL-9864 MU CAPTURE WITH SIX NUCLEON FORM FACTORS.
 J. B. ADAMS
 SEPTEMBER 20, 1961 16P

384 61
 UCRL-9866 A NEW DETERMINATION OF THE POSITIVE K- MESON
 DECAY BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L.
 BROWN, D. A. GLASER, J. A. KADYK, AND G. H. TRILLING
 SEPTEMBER 20, 1961 8P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

385 61
 UCRL-9867 INTERACTIONS OF LAMBDA'S WITH PROTONS. G.
 ALEXANDER, J. A. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND
 L. J. LLOYD
 SEPTEMBER 21, 1961 12P

386 61
 UCRL-9868 DOUBLE TENSOR OPERATORS FOR CONFIGURATION OF
 EQUIVALENT ELECTRONS. B. R. JUDD
 SEPTEMBER 29, 1961 19P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW

387 61
 UCRL-9869 NUCLEAR SPIN, HYPERFINE STRUCTURE AND NUCLEAR
 MOMENTS OF 6.8-DAY LUTETIUM-177. F. R. PETERSEN AND H. A.
 SHUGART
 SEPTEMBER 26, 1961 20P

388 61
 UCRL-9870 AN ALPHA EMITTING ISOMERIC STATE OF TB-149.
 R. D. MACFARLANE
 SEPTEMBER 29, 1961 6P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS

INDEX OF BERKELEY UCRL REPORTS, 1961

389 61
 UCRL-9878-ABSTRACT ANALYSIS OF THE TWO NUCLEON STRIPPING
 REACTION C-12 (HE-3, PROTON) N-14. J. CERNY, N. K.
 GLENDENNING, B. G. HARVEY, R. H. PEHL, AND E. RIVET
 OCTOBER 3, 1961 1P
 FOR PRESENTATION AT THE APS MEETING, LOS ANGELES,
 CALIFORNIA, DECEMBER 27-29, 1961

390 61
 UCRL-9879 NUCLEAR SPIN OF GALLIUM-70. V. J. EHLERS, W.
 A. NIERENBERG, AND H. A. SHUGART
 OCTOBER 3, 1961 16P

391 61
 UCRL-9883 FISSION ENERGY TABLES. J. C. D. MILTON
 OCTOBER 5, 1961 6P

392 61
 UCRL-9889 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR
 MESON. J. A. YOUNG AND S. A. BLUDMAN
 OCTOBER 12, 1961 33P

393 61
 UCRL-9892 EXPERIMENTAL STUDY OF THE K- MESON YIELDS
 POSITRON PLUS NEUTRAL PION PLUS NEUTRINO DECAY INTERACTION.
 J. L. BROWN, J. A. KADYK, G. H. TRILLING,
 R. T. VAN DE WALLE, B. P. ROE AND D. SINCLAIR
 OCTOBER 23, 1961 10P

394 61
 UCRL-9894-ABSTRACT SINGLE PION PRODUCTION IN NEGATIVE
 PION PROTON COLLISIONS AT 380 MEV. B. C. BARISH, R. J.
 KURZ, V. PEREZ-MENDEZ, AND J. SOLOMON
 OCTOBER 16, 1961 1P
 FOR PRESENTATION AT THE APS MEETING AT LOS ANGELES,
 CALIFORNIA, DECEMBER 27-29, 1961

395 61
 UCRL-9895-ABSTRACT NUCLEAR FISSION INDUCED BY
 RADIATIONLESS TRANSITIONS IN THE MU- MESONIC ATOMS, TH-232,
 U-235, AND U-238. J. A. DIAZ, S. N. KAPLAN, AND R. V.
 PYLE
 OCTOBER 1961 1P
 FOR PRESENTATION AT THE APS MEETING, LOS ANGELES,
 CALIFORNIA, DECEMBER 27-29, 1961

396 61
 UCRL-9902-ABSTRACT PHOTOPRODUCTION OF POSITIVE-PION IN
 HYDROGEN. D. MCPHERSON AND R. KENNEY
 OCTOBER 1961 1P
 FOR PRESENTATION AT THE APS MEETING, LOS ANGELES,
 DECEMBER 27-29, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

- 397 61
UCRL-9906-ABSTRACT: NUCLEAR REACTION CROSS SECTIONS FOR
10.3 MEV PROTONS ON CARBON AND COPPER. G. IGO AND B.
WILKINS
OCTOBER 19, 1961 1P
- 398 61
UCRL-9909-ABSTRACT: MEASUREMENT OF GAMMA RAY SPECTRA WITH
GOOD RESOLUTION FROM 30 TO 600 MEV. R. J. CENCE, D. L.
LIND, G. D. MEAD, AND B. J. MOYER
N. D. 1P
- 399 61
UCRL-9910-ABSTRACT: NEUTRAL MESON PRODUCTION IN PROTON-
PROTON COLLISIONS AT 735 MEV. G. D. MEAD, R. J. CENCE, D.
L. LIND, AND B. J. MOYER
ND 1P
- 400 61
UCRL-9914-ABSTRACT: PION-PION CORRELATION IN TAU DECAY.
T. A. O'HALLORAN, G. GOLDHABER, AND S. GOLDHABER
OCTOBER 1961
- 401 61
UCRL-9915-ABSTRACT: PION-PION CORRELATIONS IN ANTIPROTON,
PROTON ANNIHILATIONS AT REST. W. LEE, W. CHINOWSKY, G.
GOLDHABER, AND S. GOLDHABER
OCTOBER 1961 1P
FOR PRESENTATION AT THE APS MEETING, LOS ANGELES,
CALIFORNIA, DECEMBER 27-29, 1961
- 402 61
UCRL-9926-ABSTRACT: NUCLEAR SPIN OF AG-112. W. B. EWBANK,
Y. W. CHAN, AND H. A. SHUGART
OCTOBER 1961 1P
FOR PRESENTATION AT APS, LOS ANGELES MEETING,
DECEMBER 27-29, 1961
- 403 61
UCRL-9927-ABSTRACT: NUCLEAR SPIN OF ISOMERIC AU-196.
Y. W. CHAN, W. B. EWBANK, W. A. NIERENBERG, AND
H. A. SHUGART
OCTOBER 1961 1P
FOR PRESENTATION AT THE APS, LOS ANGELES MEETING,
DECEMBER 27-29, 1961
- 404 61
UCRL-9928-ABSTRACT: THE NUCLEAR SPIN OF YTTRIUM-91.
F. R. PETERSEN AND H. A. SHUGART
OCTOBER 1961 1P
FOR PRESENTATION AT THE APS, LOS ANGELES MEETING,
DECEMBER 27-29, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

- UCRL-9929-ABSTRACT 405 61
 NUCLEAR SPIN OF HOLMIUM-161.
 B. BUDICK AND R. MARRUS
 OCTOBER 1961 1P
 FOR PRESENTATION AT APS, LOS ANGELES MEETING,
 DECEMBER 27-29, 1961
- UCRL-9935-ABSTRACT 406 61
 S-WAVE PION-PION INTERACTIONS IN THE
 $I = \text{ZERO}$ AND THE $I = 2$ STATE. J. KIRZ, J. SCHWARTZ AND
 R. D. TRIPP
 NOVEMBER 6, 1961 1P
 FOR PRESENTATION AT THE APS, NEW YORK MEETING,
 JANUARY 24-27, 1961
- UCRL-9940-ABSTRACT 407 61
 STUDY OF THE REACTION POSITIVE PION
 PLUS PROTON YIELD POSITIVE SIGMA PLUS POSITIVE K- MESON NEAR
 THRESHOLD. F. GRARD AND G. A. SMITH
 OCTOBER 7, 1961 1P
 FOR PRESENTATION AT APS, NEW YORK MEETING, JANUARY 24-27,
 1962
- UCRL-9942-ABSTRACT 408 61
 HYPERFINE STRUCTURE OF PM-147.
 B. BUDICK AND R. MARRUS
 NOVEMBER 1961 1P
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, NEW YORK, JANUARY 24-27, 1962
- UCRL-9943-ABSTRACT 409 61
 CASCADE HYPERONS IN THE REACTION
 NEGATIVE K- MESON PLUS PROTON YIELDS XI PLUS K-MESON AT 1.2
 BEV/C. L. W. ALVAREZ, J. BUTTON, G. R. KALBFLEISCH,
 D. H. MILLER, A. H. ROSENFELD, M. L. STEVENSON AND
 H. K. TICHO
 NOVEMBER 7, 1961 1P
- UCRL-9945-ABSTRACT 410 61
 S-WAVE ZERO EFFECTIVE RANGE PARAMETERS
 FOR THE LOW ENERGY K-MESON, PROTON SYSTEM. W. HUMPHREY AND
 R. ROSS
 NOVEMBER 1961 1P
 FOR PRESENTATION AT APS, NEW YORK MEETING, JANUARY 24-27,
 1962
- UCRL-9947-ABSTRACT 411 61
 PRODUCTION OF THE Y LAMBDA PION SYSTEM
 ON NEUTRONS IN CARBON. G. GIDAL, R. P. ELY, S. Y. FUNG,
 Y. L. PAN, W. M. POWELL AND H. S. WHITE
 NOVEMBER 1961 1P

INDEX OF BERKELEY UCRL REPORTS, 1961

412 61
 UCRL-9948-ABSTRACT AN EXCITED HYPERON OF MASS 1520-MEV.
 R. D. TRIPP, M. FERRO-LUZZI AND M. B. WATSON
 NOVEMBER 8, 1961 1P
 FOR PRESENTATION AT APS, NEW YORK MEETING,
 JANUARY 24-27, 1962

413 61
 UCRL-9949-ABSTRACT HYPERFINE STRUCTURE AND NUCLEAR
 MOMENTS OF PRASEODYMIUM-142. R. MARRUS, A. Y. CABEZAS,
 I. LINDGREN, AND W. A. NIERENBERG
 NOVEMBER 1961 1P
 FOR PRESENTATION AT THE AMERICAN PHYSICAL SOCIETY
 MEETING, NEW YORK, JANUARY 24-27, 1962

414 61
 UCRL-TRANS-684 COMPLETE TOTAL SCATTER CROSS SECTIONS OF
 FAST NEUTRONS BY ARGON AND CRYPTON. V. P. VLASENKO, I. A.
 GRITS, D. E. KHULELIDZE, ET AL
 7P
 TRANSLATED FROM RUSSIAN BY D. NIMIDOFF FROM A REPORT OF
 THE U. S. S. R. GLAVNOE UPRAVLENIE PO ISPOLZOVANIU
 ATOMNOI ENERGII, 1960

415 61
 UCRL-TRANS-687 THEORY OF THE DIFFUSION OF THERMAL
 NEUTRONS TAKING ACCOUNT OF VELOCITY DISTRIBUTION. M. V.
 KAZARNOVSKII AND F. L. SHAPIRO
 16P
 TRANSLATED FROM RUSSIAN BY M. KASSATKIN FROM A REPORT
 OF THE U. S. S. R. GLAVNOE UPRAVLENIE PO ISPOLZOVANIU
 ATOMNOI ENERGII, 1960

416 61
 UCRL-TRANS-688 MEASUREMENT OF ENERGY DEPENDENCE OF THE
 CROSS SECTION OF THE REACTION NEUTRON, GAMMA RAY ON
 NATURAL CHLORINE. N. T. KASHUKEEV, I. P. POPOV, AND
 F. L. SHAPIRO
 25P
 TRANSLATED FROM RUSSIAN BY S. SHEWCHUCK FROM A REPORT
 OF THE U. S. S. R. GLAVNOE UPRAVLENIE PO ISPOLZOVANIU
 ATOMNOI ENERGII, 1960

417 61
 UCRL-TRANS-692 THE MASS SPECTRUM OF THE UNCHARGED
 FRAGMENTS FROM ELECTRON BOMBARDMENT OF MOLECULES. D. BECK
 AND O. OSBERGHAUS
 17P
 TRANSLATED FROM GERMAN BY A. S. NEWTON FROM ZEITSCHRIFT
 FUR PHYSIK 160, 406-419(1960)

INDEX OF BERKELEY UCRL REPORTS, 1961

418 61
UCRL-TRANS-702 SEARCH FOR ANOMALIES IN THE ENERGY
DEPENDENCE OF THE CROSS SECTION OF REACTION PROTON PLUS
PROTON YIELDS DEUTERON PLUS POSITIVE PION IN THE THRESHOLD
REGION OF PAIR FORMATION OF PIONS. I. K. AKIMOV, O. V.
SAVCHENKO, AND L. M. SOROKO

6P
TRANSLATED BY S. SHEWCHUCK FROM JINR-P-710, 1960

419 61
UCRL-TRANS-742 NUCLEAR FUSION. V. S. EMELIONOV
1961 14P
TRANSLATED FROM RUSSIAN BY D. A. NIMIDOFF FROM NAUKA
I ZHIZN 28, 7, 22-6(1961)

NUCLEAR AND PARTICLE RESEARCH INSTRUMENTATION

420 61
UCRL-9231 AUTOMATIC SCANNING AND MEASURING OF BUBBLE
CHAMBER PHOTOGRAPHS. A. GRASSELLI
JUNE 1, 1960 63P

421 61
UCRL-9527 EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE
DETERMINATION OF TRACK DENSITY. A. AHMADZADEH
JANUARY 12, 1961 17P

422 61
UCRL-9527-REV EMULSION AND BUBBLE-CHAMBER STATISTICS FOR
THE DETERMINATION OF TRACK DENSITY. A. AHMADZADEH
FEBRUARY 15, 1961 15P
SUBMITTED FOR PUBLICATION IN NUOVO CIMENTO

423 61
UCRL-9549 VISUALIZING THE DISTRIBUTION OF GAMMA RAY AND
POSITRON EMITTERS. H. O. ANGER
FEBRUARY 9, 1961 8P
FOR PRESENTATION AT THE PROCEEDINGS OF THE 3RD
INTERNATIONAL MEETING ON MEDICAL ELECTRONICS, 1960

424 61
UCRL-9578 INFORMATION CONTENT OF PARTICLE TRACKS.
W. H. BARKAS
MAY 1, 1961 25P
SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW

INDEX OF BERKELEY UCRL REPORTS, 1961

UCRL-9638-ABSTRACT 425 61
 TRACKS. W. H. BARKAS INFORMATION CONTENT OF PARTICLE
 MARCH 1961 1P
 FOR PRESENTATION AT AMERICAN PHYSICAL SOCIETY MEETING,
 MEXICO CITY, JUNE 22-24, 1961

UCRL-9692 426 61
 THE GRAIN DENSITY OF EMULSION TRACKS.
 J. W. PATRICK AND W. H. BARKAS
 JUNE 1961 23P
 SUBMITTED FOR PUBLICATION IN IL NUOVO CIMENTO

UCRL-9738 427 61
 ANTIPROTON EXPERIMENTS IN A HYDROGEN BUBBLE
 CHAMBER. F. SOLMITZ
 AUGUST 1960 10P
 FOR PRESENTATION AT THE 1960 ROCHESTER CONFERENCE ON HIGH
 ENERGY PHYSICS, AUGUST 25 TO SEPTEMBER 1

UCRL-TRANS-689 428 61
 SCINTILLATION DETECTOR OF FAST NEUTRONS.
 L. I. KOROTKOV, I. V. SIVINTSEV, V. N. CHERNYSHEVICH
 20P
 TRANSLATED FROM RUSSIAN BY M. KASSATKIN FROM A REPORT OF
 THE ORDENA LLENINA INSTITUT ATOMNOI ENERGII AKADEMII NAUK
 U. S. S. R. (AKADEMIIA NAUK U. S. S. R. INSTITUT ATOMNOI
 ENERGII, 1960)

PARTICLE ACCELERATORS AND HIGH-VOLTAGE MACHINES

UCRL-9343 429 61
 INTERNATIONAL CONFERENCE ON INSTRUMENTATION FOR
 HIGH ENERGY PHYSICS, HELD AT LAWRENCE RADIATION LABORATORY,
 BERKELEY, SEPTEMBER 12-14, 1960, PROCEEDINGS.
 SEPTEMBER 1960 321P

UCRL-9416 430 61
 PRELIMINARY STUDIES ON BEAM PROGRAMMING IN A
 CYCLOTRON. H. A. WILLAX
 SEPTEMBER 30, 1960

UCRL-9418 431 61
 BEVATRON OPERATION AND DEVELOPMENT. 26.
 W. D. HARTSOUGH
 SEPTEMBER 1960

INDEX OF BERKELEY UCRL REPORTS, 1961

- 432 61
 UCRL-9453 HEAVY ION LINEAR ACCELERATOR. E. L. HUBBARD,
 W. R. BAKER, K. W. EHLERS, H. S. GORDON, R. M. MAIN,
 N. J. NORRIS, R. PETERS, L. SMITH, C. M. VAN ATTA,
 F. VOELKER, C. E. ANDERSON, R. BERINGER, R. L. GLUCKSTERN,
 W. J. KNOX, M. S. MALKIN, A. R. QUINTON, L. SCHWARCZ, AND
 G. W. WHEELER
 NOVEMBER 22, 1960. 56P
 SUBMITTED FOR PUBLICATION IN REVIEW OF SCIENTIFIC
 INSTRUMENTS
- 433 61
 UCRL-9546, UCRL-9671, UCRL-9721 BEVATRON OPERATION AND
 DEVELOPMENT 27-29. W. D. HARTSOUGH AND G. R. LAMBERTSON
 MARCH 2, 1961. 25P, MAY 8, 1961. 13P, JUNE 14, 1961. 7P
 FOR AUGUST TO OCTOBER 1960, ALSO FOR PRESENTATION AT
 PARTICLE ACCELERATING AND HIGH VOLTAGE MEETING, JUNE 27,
 1961
- 434 61
 UCRL-9567 LINEAR ION ACCELERATORS. E. L. HUBBARD
 FEBRUARY 14, 1961
 SUBMITTED FOR PUBLICATION IN ENCYCLOPEDIA OF
 ELECTRONICS
- 435 61
 UCRL-9600 HEAVY ION ACCELERATORS. E. L. HUBBARD
 MARCH 9, 1961. 48P
 SUBMITTED FOR PUBLICATION IN ANNUAL REVIEW OF NUCLEAR
 SCIENCE
- 436 61
 UCRL-9632 CYCLOTRONS. B. H. SMITH
 APRIL 4, 1961. 7P
- 437 61
 UCRL-9663 DISMANTLING ENCLOSURE FOR EXTERNAL CYCLOTRON
 TARGETS AT THE 60-INCH CYCLOTRON. G. L. WIGLE,
 N. C. SPENCER, AND E. W. FLEISCHER
 SEPTEMBER 6, 1961. 10P
- 438 61
 UCRL-9707 STUDIES AT BERKELEY AND MURA ON FUTURE HIGH
 ENERGY PROTON ACCELERATOR. D. L. JUDD
 1961
 FOR PROCEEDINGS OF THE INTERNATIONAL CONFERENCE, ON HIGH
 ENERGY ACCELERATORS AND INSTRUMENTATION-CERN-1959

INDEX OF BERKELEY UCRL REPORTS, 1961

439 61
 UCRL-9743 DEVELOPMENT OF A 100-MA PROTON BEAM SOURCE
 AND LENS SYSTEM FOR THE BEVATRON MARK 2 INJECTOR. R. W.
 ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE,
 AND E. ZAJEC
 JUNE 12, 1961 48P

440 61
 UCRL-9743-REV DEVELOPMENT OF A 100-MA PROTON SOURCE AND
 LENS SYSTEM FOR THE BEVATRON MARK-2 INJECTOR. R. W.
 ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE,
 AND E. ZAJEC
 AUGUST 3, 1961 28P
 SUBMITTED FOR PUBLICATION IN REVIEW OF SCIENTIFIC
 INSTRUMENTS

441 61
 UCRL-9769 EVALUATION OF SHIELDING REQUIRED FOR THE
 IMPROVED BEVATRON. B. J. MOYER
 JUNE 27, 1961 12P

442 61
 UCRL-TRANS-685 A CYCLOTRON WITH AN ALTERNATING
 MAGNETIC FIELD FOR MULTIPLE CHARGED IONS. V. P.
 DMITRIEVSKII, B. T. ZAMOLODCHIKOV, AND V. V. KOLGA
 14P
 TRANSLATED FROM RUSSIAN BY D. NIMIDOFF FROM A REPORT
 OF THE U. S. S. R. GLAVNOE UPRAVLENIE PO ISPOLZOVANIU ATOMNOI
 ENERGI, 1960

443 61
 UCRL-TRANS-690 A NEW SCHEME FOR EXTRACTION OF PARTICLES
 FROM THE SYNCHROCYCLOTRON. I. M. MATORA
 14P
 TRANSLATED FROM RUSSIAN BY M. KASSATKIN FROM A REPORT
 OF THE U. S. S. R. GLAVNOE UPRAVLENIE PO ISPOLZOVANIU
 ATOMNOI ENERGI, 1960

PHYSICS

444 61
 UCRL-6406-T-ABSTRACT THE LOW TEMPERATURE HEAT CAPACITIES
 OF ANTIFERROMAGNETIC COF₂ AND MNF₂. E. CATALANO AND
 N. E. PHILLIPS
 1961 1P
 FOR PRESENTATION AT THE INTERNATIONAL CONFERENCE ON
 MAGNETISM AND CRYSTALLOGRAPHY IN KYOTO, JAPAN,
 SEPTEMBER 25-30, 1961

INDEX OF BERKELEY UCRL REPORTS, 1961

445 61
UCRL-8389 RELATIVISTIC SELF-CONSISTENT CALCULATION FOR
THE NORMAL MERCURY ATOM. S. COHEN
JULY 28, 1958 49P

446 61
UCRL-9318 LECTURES ON SUPERCONDUCTIVITY BY ANDREW M.
SESSLER AT THE UNIVERSITY OF CALIFORNIA DURING THE SPRING
SEMESTER OF 1960. J. M. CORNWALL
JUNE 1960 42P

447 61
UCRL-9338 GRAVITATIONAL SHIFTS WITHOUT A PRINCIPLE OF
EQUIVALENCE. B. C. MAGLIC
APRIL 17, 1961
SUBMITTED FOR PUBLICATION IN AMERICAN JOURNAL OF
PHYSICS

448 61
UCRL-9388 THERMAL PROPERTIES OF SOLID HYDROGEN UNDER
PRESSURE. W. H. ORTTUNG
FEBRUARY 1, 1961 162P
THESIS

449 61
UCRL-9441 LINKED DIAGRAM EXPANSION FOR THE EQUATION OF
STATE OF A GAS OF MOLECULES. A. N. KAUFMAN AND
K. M. WATSON
OCTOBER 10, 1960 30P
SUBMITTED FOR PUBLICATION IN PHYSICS OF FLUIDS

450 61
UCRL-9458 THE ISOTOPES OF THORIUM, PROTACTINIUM AND
URANIUM. E. K. HYDE
JANUARY 1961 167P

451 61
UCRL-9479, UCRL-9704 PHYSICS DIVISION SEMIANNUAL REPORT.
DECEMBER 16, 1960 76P. MAY 1961 79P
FOR MAY 1960 TO APRIL 1961

452 61
UCRL-9482 EXPERIMENTS ON ALFVEN WAVE PROPAGATION.
J. M. WILCOX, A. W. DESILVA, W. S. COOPER, AND F. I. BOLEY.
NOVEMBER 1960 31P

INDEX OF BERKELEY UCRL REPORTS, 1961

453 61
 UCRL-9496 ALFVEN WAVE REFLECTIONS AND PROPAGATION MODES.
 A. W. DESILVA, W. S. COPPER III, AND J. M. WILCOX
 FEBRUARY 2, 1961 36P
 PUBLICATION TO BE DECIDED LATER

454 61
 UCRL-9517 THE ADIABATIC MOTION OF CHARGED PARTICLES IN
 ELECTROMAGNETIC FIELDS. T. G. NORTHROP
 JANUARY 1961 101P
 SUBMITTED AS PUBLICATION AS CHAPTER IN BOOK PROGRESS IN
 NUCLEAR ENERGY XI, PUBLISHED BY PERGAMON PRESS

455 61
 UCRL-9523-ABSTRACT EXPERIMENTS ON ALFVEN WAVE
 PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND
 F. I. BOLEY
 JANUARY 1961
 FOR PRESENTATION AT THE MEETING OF 4TH BIENNIAL GAS
 DYNAMICS SYMPOSIUM, NORTHWESTERN UNIVERSITY, AUGUST 23-25,
 1961

456 61
 UCRL-9523 EXPERIMENTS ON ALFVEN WAVE PROPAGATION.
 A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 JUNE 27, 1961 32P
 REVIEW PAPER FOR PRESENTATION AT THE FOURTH BIENNIAL
 GAS DYNAMICS SYMPOSIUM, NORTHWESTERN UNIVERSITY, AUGUST
 1961

457 61
 UCRL-9552-ABSTRACT EXTENDED SHELL MODEL CALCULATIONS AND
 THE GIANT EL RESONANCE IN DEFORMED NUCLEI. S. G. NILSSON,
 J. SAWICKI, AND N. K. GLENDENNING
 FEBRUARY 2, 1961
 FOR PRESENTATION AT APS MEETING, WASHINGTON, D. C.
 APRIL 24-27, 1961

458 61
 UCRL-9555-REV THE ABSORPTION SPECTRUM AND ZEEMAN EFFECT
 OF $AM+3$ IN $LAOL_3$. J. B. GRUBER, AND J. G. CONWAY
 JUNE 1961 12P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

459 61
 UCRL-9559 STATISTICAL THEORY OF THE DIELECTRIC CONSTANT
 OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. W. WATSON
 FEBRUARY 2, 1961 47P
 SUBMITTED FOR PUBLICATION IN PHYSICS OF FLUIDS

INDEX OF BERKELEY UCRL REPORTS, 1961

460 61
 UCRL-9559-ADD STATISTICAL THEORY OF THE DIELECTRIC
 CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND
 K. M. WATSON
 APRIL 7, 1961 4P

461 61
 UCRL-9568 ORBITAL RADII, BOND LENGTH AND RESONANCE.
 G. R. SOMAYA JULU
 FEBRUARY 1961 25P

462 61
 UCRL-9602 THE ELECTRON SPIN RESONANCE ABSORPTION OF TWO
 SOLID STATE PARAMAGNETIC CENTERS, PART 1. FROZEN TETRAMETHYL
 AMMONIUM SOLUTIONS, PART 2. CRESTMORE BLUE CALCITE.
 L. R. DOYLE
 MARCH 10, 1961 55P
 THESIS

463 61
 UCRL-9608-REV MEASUREMENTS OF INTERNAL CONVERSION
 COEFFICIENTS. S. HULTBERG, D. J. HOREN, AND J. M.
 HOLLANDER
 JUNE 1961 14P
 SUBMITTED FOR PUBLICATION IN NUCLEAR PHYSICS

464 61
 UCRL-9613-ABSTRACT EXPERIMENTS ON ALFVEN WAVE
 PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
 MARCH 22, 1961 2P
 FOR PRESENTATION AT IAEA CONFERENCE ON PLASMA PHYSICS AND
 CONTROLLED NUCLEAR FUSION, SALZBURG, AUSTRIA, SEPTEMBER 4-8,
 1961

465 61
 UCRL-9613 EXPERIMENTS ON ALFVEN WAVE PROPAGATION.
 J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
 MAY 10, 1961 34P
 FOR PRESENTATION AT THE INTERNATIONAL ATOMIC ENERGY
 CONFERENCE ON PLASMA PHYSICS AND CONTROLLED NUCLEAR FUSION
 RESEARCH, SALZBURG, AUSTRIA, SEPTEMBER 4-8, 1961

466 61
 UCRL-9618-ABSTRACT ZEEMAN EFFECT OF THE TRANSITION
 TRIVALENT PLUTONIUM, $6-H-5/2$ GOES TO J EQUALING $11/2$ IN
 HEXAGONAL SINGLE CRYSTALS. H. LAMMERMANN AND J. G. CONWAY
 MARCH 27, 1961 1P

467 61
 UCRL-9630 SOME PHYSICAL PROPERTIES OF THE VOLATILE
 HYDRIDES. W. L. JOLLY
 APRIL 1961 54P

INDEX OF BERKELEY UCRL REPORTS, 1961

468 61
 UCRL-9642 SOME USEFUL TABLES FOR NUCLEAR SPECTROSCOPY IN
 TRANSMERCURY GROUP OF ELEMENTS, ELECTRON BINDING ENERGIES,
 X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND FLUORESCENT
 YIELDS. E. K. HYDE
 MAY 1, 1961 33P

469 61
 UCRL-9648 THE MAGNETIC PROPERTIES OF DEFORMED NUCLEI.
 L. CHIAO
 APRIL 1961 53P
 THESIS

470 61
 UCRL-9667-ABSTRACT EQUILIBRIUM ELECTRONIC CHARGE
 DISTRIBUTIONS FOR HEAVY IONS. W. G. SIMON, H. H. HECKMAN,
 AND E. L. HUBBARD
 APRIL 1961 12P

471 61
 UCRL-9668 FRAMES AND LORENTZ INVARIANCE IN GENERAL
 RELATIVITY. E. LUBKIN
 APRIL 19, 1961 49P

472 61
 UCRL-9672 A SENSITIVE DIFFERENTIAL PRESSURE SYSTEM FOR
 MEASURING CRYOGENIC LIQUID DEPTHS. W. L. POPE AND
 E. F. MCLAUGHLIN
 APRIL 21, 1961 5P
 SUBMITTED FOR PUBLICATION IN PROCEEDING OF 1961 CRYOGENIC
 ENGINEERING CONFERENCE, AUGUST 15, 1961

473 61
 UCRL-9695 CRYSTAL STRUCTURE AND PHYSICAL PROPERTIES OF
 AMERICIUM METAL. D. B. MCWHAN
 MAY 1961 103P
 THESIS

474 61
 UCRL-9697 ELEMENTARY DERIVATION OF THE DIELECTRIC
 CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND
 K. M. WATSON
 MAY 10, 1961 7P
 SUBMITTED FOR PUBLICATION IN JOURNAL OF CHEMICAL
 PHYSICS

INDEX OF BERKELEY UCRL REPORTS, 1961

- 475 61
 UCRL-9701 THE S-MATRIX THEORY OF STRONG INTERACTIONS.
 G. F. CHEW
 MAY 15, 1961 17P
 FOR PRESENTATION AT THE MEETING OF THE INTERNATIONAL
 CONFERENCE ON THE THEORY OF WEAK AND STRONG INTERACTIONS,
 LA JOLLA, CALIF., JUNE 16, 1961
- 476 61
 UCRL-9723 THE HEAT CAPACITY OF SILVER OXIDE AT LOW
 TEMPERATURES. L. V. GREGOR
 MAY 31, 1961 103P
 THESIS
- 477 61
 UCRL-9747 NUCLEAR ORIENTATION OF SOME RARE-EARTH
 ISOTOPES. C. A. LOVEJOY
 JUNE 1961 52P
 THESIS
- 478 61
 UCRL-9763 DISSOCIATION OF POSITIVE H-2 IONS BY A MAGNETIC
 FIELD. S. KAPLAN, G. A. PAULIKAS, AND R. V. PYLE
 JUNE 26, 1961 7P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW
 LETTERS
- 479 61
 UCRL-9790 SUPERCONDUCTIVITY OF Nb-25A/D ZR ALLOY IN
 HIGH DC MAGNETIC FIELDS. P. R. ARON, AND H. C. HITCHCOCK
 JULY 18, 1961 8P
 SUBMITTED FOR PUBLICATION IN PHYSICAL REVIEW LETTERS
- 480 61
 UCRL-9792 ON CHARGE CONJUGATION. K. M. CASE
 JULY 19, 1961 6P
 SUBMITTED FOR PUBLICATION IN THE JOURNAL OF
 MATHEMATICAL PHYSICS
- 481 61
 UCRL-9794 STRONG FIELD STARK EFFECT. J. A. HOWE, AND
 W. H. FLYGARE
 JULY 1961 8P
 SUBMITTED FOR PUBLICATION IN CHEMICAL PHYSICS
- 482 61
 UCRL-9800 TWO FOLK LEMMAS ON THE EXPANSION OF THE
 S-MATRIX OR THE OUT FIELD IN NORMAL ORDERED IN FIELDS.
 O. W. GREENBERG
 JULY 27, 1961 14P
 SUBMITTED FOR PUBLICATION IN MATHEMATICAL PHYSICS

INDEX OF BERKELEY UCRL REPORTS, 1961

483 61
 UCRL-9804 DERIVATION OF THE CPT THEOREM AND THE
 CONNECTION BETWEEN SPIN AND STATISTICS FROM POSTULATES OF
 THE S-MATRIX THEORY. H. P. STAPP
 AUGUST 4, 1961 87P
 SUBMITTED FOR PUBLICATION IN THE PHYSICAL REVIEW

484 61
 UCRL-9818-ABSTRACT ELECTRON DRIFT AND DIFFUSION
 MEASUREMENTS IN HYDROGEN IN A TRANSVERSE STRONG MAGNETIC
 FIELD. M. J. BERNSTEIN AND W. B. KUNKEL
 AUGUST 15, 1961 1P

485 61
 UCRL-9885 A THEORETICAL CONSIDERATION OF ASYMMETIC HEAT
 FLOW AT THE INTERFACE OF THE DISSIMILAR METALS. J. S. MOON
 AND R. N. KEELER
 OCTOBER 1961 10P

486 61
 UCRL-9920-ABSTRACT COLOR PRODUCTION FROM ENERGETIC IONS
 IMPINGING ON METALS. K. W. EHLERS
 OCTOBER 1961 1P
 FOR PRESENTATION AT APS MEETING, NEW YORK, JANUARY 24-27,
 1962

487 61
 UCRL-9922 GEOMETRIC FOUNDATIONS OF CONTINUUM MECHANICS.
 J. A. SIMMONS
 OCTOBER 1961 97P

488 61
 UCRL-TRANS-683 STUDY OF THE STABILITY OF A HIGH CURRENT
 DISCHARGE IN HYDROGEN AT LOW INTENSITIES OF THE ELECTRICAL
 FIELD. M. D. BORISOV, V. A. SUPRUNENKO, E. A. SUKHOMLIN,
 ET. AL.
 36P
 TRANSLATED FROM RUSSIAN BY D. NIMIDOFF FROM A
 PUBLICATION OF THE AKADEMIIA NAUK U.S.S.R., KIEV.
 INSTITUT FIZICHNOI TEKHNologii, 1960, 307-39

489 61
 UCRL-TRANS-697 CLASSICAL GAUGE INVARIANCES OF QUANTIC
 ELECTRODYNAMICS. B. JOUVET
 41P
 TRANSLATION FROM FRENCH BY R. MUDGE, AUGUST 1961, FROM
 II NUOVO CIMENTO SER. 10, 20, 28-58 (1961)

INDEX OF BERKELEY UCRL REPORTS, 1961

490 61
UCRL-TRANS-710 THE MEASUREMENT OF EXTREMELY SHORT
DISSOCIATION TIMES OF ORGANIC IONS WITH THE FIELD
IONIZATION MASS SPECTROMETER. H. D. BECKEY
1961 16P
TRANSLATION BY A. S. NEWTON FROM ZEITSCHRIFT FUR
NATURFORSCHUNG 16A, 505-510 (1961)

491 61
UCRL-TRANS-734 SOME PROBLEMS OF PHASE MEASUREMENTS. A.
M. BONCH-BRUEVICH AND V. I. SHIROKOV
26P
TRANSLATED FROM RUSSIAN BY A. ROBINSON, FROM ZHURNAL
TEKHNICHESKOI FIZIKI 25, 1825-42 (1955)

SECTION II

INDEX

This section is an alphabetical and numerical arrangement of the title words, authors' names, and report numbers from report entries that appear in Section I. Each title is rearranged by a computer program so that authors' names and key words within a report title appear alphabetically in a central position on each page. The entry word is displayed in the context in which it appears in the title. Authors' names are interfiled with title words.

To locate specific topics of interest, the reader need only look for words that would be appropriate to his topic and note their meaning within the title. When interest is confirmed, the serial identification at the left side of the entry is noted, and the citation is located in Section I where the report citation is given in full. The subject-author index is not intended for page-by-page scanning.

Note that looking in several places is usually required, e. g. proton, antiproton; meson, K meson; FE and iron. Those interested in quantitative information such as 2-BeV experiments should look under BeV. No effort has been made for single entry of synonyms. The user should try all the various possible significant entry words describing or related to his subject interest. Note that some prefix words such as nonleptonic and postirradiation appear in the index.

Minor irregularities in the alpha-numeric order of the index entries such as the seemingly random author entries for the several Messrs. Smith are due to the order rules followed by the computer.

The UCRL-report-number index follows the subject-author index.

159 61 ON GENERATING TUBE USING ION ACCELERATION. E. A. AB, G. M. ANDRIANOV, R. I. PLOTNIKOV, ET AL
329 61 IN PROTON, DEUTERON COLLISIONS. N. E. BOOTH, A. ABASHIAN, AND K. M. CROWE
060 61 UCRL-9654 UCRL-9654 ABSORPTION AND SELF LUMINESCENCE SPECTRA OF TRIVALENT CALIFORN
090 61 UCRL-9844 LONGITUDINAL DISPERSION IN PACKED GAS ABSORPTION COLUMNS. T. T. WORD
256 61 UCRL-9554 RECOIL-FREE RESONANT ABSORPTION IN AU-197. D. A. SHIRLEY, M. KAPLAN, AND P. AXEL
257 61 UCRL-9556-ABSTRACT ABSORPTION OF NEGATIVE K-MESONS IN DEUTERIUM AND HYDROGEN. O.
462 61 UCRL-9602 THE ELECTRON SPIN RESONANCE ABSORPTION OF TWO SOLID STATE PARAMAGNETIC CENTERS, PART 1. FR
039 61 UCRL-9203 AN ANALYSIS OF THE ABSORPTION SPECTRA OF TM(IV) AND AM(IV). J. B. GRUBER
458 61 UCRL-9555-REV THE ABSORPTION SPECTRUM AND ZEEMAN EFFECT OF AM+3 IN LACL3. J. B.
055 61 UCRL-9584 AN ANALYSIS OF THE INFRARED ABSORPTION SPECTRUM OF TRIVALENT AMERICIUM(5F-6) IN LACL3. J.
159 61 04 A PORTABLE NEUTRON GENERATING TUBE USING ION ACCELERATION. E. A. AB, G. M. ANDRIANOV, R. I. PLOTNIKOV, ET
435 61 UCRL-9600 HEAVY ION ACCELERATORS. E. L. HUBBARD
438 61 AT BERKELEY AND MUKA ON FUTURE HIGH ENERGY PROTON ACCELERATOR. D. L. JUDD
432 61 UCRL-9453 HEAVY ION LINEAR ACCELERATOR. E. L. HUBBARD, W. R. BAKER, K. W. EHLERS, H. S.
220 61 ADIO FREQUENCY EXCITATION OF THE HEAVY ION LINEAR ACCELERATOR. F. VOELKER
434 61 UCRL-9567 LINEAR ION ACCELERATORS. E. L. HUBBARD
415 61 HLORY OF THE DIFFUSION OF THERMAL NEUTRONS TAKING ACCOUNT OF VELOCITY DISTRIBUTION. M. V. KAZARNOVSKII AND F. L
076 61 , 6. RELATIONSHIP OF MOLECULAR PROPERTIES TO THE AGENTRIC FACTOR. F. DANON AND K. S. PITZER
083 61 YLULOSE AND L- RIBULOSE, DETAILS OF THE ACTION OF ACETOBACTER SUBOXYDANS UN D- ARABITOL, RIBITOL AND OTHER POLYH
052 61 OLIPID FATTY ACID COMPOSITION BY EXTENDED SILICIC ACID CHROMATOGRAPHY. G. J. NELSON
052 61 HUMAN SERUM PHOSPHOLIPIDS AND PHOSPHOLIPID FATTY ACID COMPOSITION BY EXTENDED SILICIC ACID CHROMATOGRAPHY. G.
047 61 UCRL-9521 FATTY ACID COMPOSITION OF MOUSE LIPIDS AND LIPOPROTEINS. C. S. REHM
040 61 COUPLE AS A FUNCTION OF TEMPERATURE IN PERCHLORIC ACID SOLUTIONS, THERMODYNAMIC PROPERTIES. H. L. CONLEY
061 61 RADIATION CHEMICAL PROPERTIES OF THE ALPHA AMINO ACID. B. M. WEEKS, M. KLAND-ENGLISH, AND W. M. GARRISON
068 61 UCRL-9705 CRYSTAL STRUCTURE OF PROPIONIC ACID. F. J. STRIETER AND D. H. TEMPLETON
073 61 UCRL-9746 CRYSTAL STRUCTURE OF BUTYRIC ACID. F. J. STRIETER AND D. H. TEMPLETON
100 61 E. SAPONIFICATION OF DIALKYLPHOSPHITES, 2. GENERAL ACID- AND BASE CATALYSIS AT THE HYDROLYSIS OF DIETHYLPHOSPHITE
044 61 UCRL-9499 GAS CHROMATOGRAPHIC ANALYSIS OF FATTY ACIDS FROM DIALYSED LIPOPROTEINS. A. V. NICHOLS, C. S. REHNB0
240 61 ITING CONSTANTS IN AROMATIC HYDROCARBONS. J. V. ACRIVOS
150 61 Y NUCLEAR MAGNETIC RESONANCE SPECTROMETER. J. V. ACRIVOS
359 61 UCRL-9779 LOW-LYING LEVELS IN CERTAIN ACTINIDE ATOMS. B. R. JUDD
015 61 UCRL-9698-ABSTRACT COMPARISON OF CHEMICAL ACTIONS OF IONIZING RADIATION ON PROTEIN IN SOLUTION AND IN TH
094 61 UCRL-9908-ABSTRACT ACTIVATION ANALYSIS FOR OXYGEN AND OTHER ELEMENTS BY MEANS OF
154 61 UCRL-9861 A FAST NEUTRON ACTIVATION DETECTOR FOR 14-MEV PULSED NEUTRON SOURCES. L. RUB
383 61 MU CAPTURE WITH SIX NUCLEON FORM FACTORS. J. B. ADAMS
454 61 UCRL-9517 THE ADIABATIC MOTION OF CHARGED PARTICLES IN ELECTROMAGNETIC FIELD
062 61 UCRL-9659 CLOSE CAPTURE ADSORPTION SYSTEM FOR REMOTE RADIO- ISOTOPE CHEMISTRY. N. C.
001 61 COMPOUNDS, S,2 AMINO ETHYLISOTHIURONIUM BROMIDE, AET, IN THE RAT. F. P. CONTE
402 61 UCRL-9926-ABSTRACT NUCLEAR SPIN OF AG-112. W. B. EWBANK, Y. W. CHAN, AND H. A. SHUGART
027 61 UCRL-9827 EFFECTS OF THE AGE OF TRAINING ON CHOLINESTERASE ACTIVITY IN THE BRAINS OF MA
179 61 DOSIMETRY HELD AT THE INTERNATIONAL ATOMIC ENERGY AGENCY IN VIENNA JUNE 7 TO 11, 1960. R. WALLACE
192 61 UCRL-9582 THE AGING CHARACTERISTICS OF ALUMINUM ALLOYS ELECTRON TRANSMISSION
162 61 UCRL-8733 COALESCENCE AND DISPERSION RATES IN AGITATED LIQUID-LIQUID SYSTEM. J. H. VANDERVEEN
421 61 STICS FOR THE DETERMINATION OF TRACK DENSITY. A. AHMADZADEH
422 61 STICS FOR THE DETERMINATION OF TRACK DENSITY. A. AHMADZADEH
148 61 UCRL-9765 AN ALPHA AIR PROPORTIONAL HAND AND FOOT COUNTER. W. J. ROACH AND R. J.
182 61 ENTAGE OF SMALL AND LARGE RADIOACTIVE IONS IN THE AIR. J. BRICARD, J. PRADEL, AND A. RENOUX
418 61 RLSHOLD REGION OF PAIR FORMATION OF PIONS. I. K. AKIMOV, O. V. SAVCHENKO, AND L. M. SORDKO
194 61 UCRL-9647 MARTENSITE IN CU-12.0 PERCENT AL ALLOY. G. THOMAS AND M. C. HOFFSTUTLER
285 61 THE K- AND L- AUGER SPECTRUM OF URANIUM. R. G. ALBRIDGE AND J. M. HOLLANDER
214 61 UCRL-9438 THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON
215 61 CKL-9438-REV THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON
101 61 F HEAT EXCHANGE IN THE BOILING OF WATER AND ETHYL ALCOHOL IN TUBES. L. S. STERMAN, V. G. MOROZOV, AND S. A. KOV
087 61 UCRL-9832 THE REACTION OF ALDOXIMES WITH ALKALI. H. KAPOPORT AND W. NILSSON
281 61 F. S. CRAWFORD, J. BUTTON, J. A. ANDERSON, AND G. ALEXANDER
385 61 -9867 INTERACTIONS OF LAMBDA5 WITH PROTONS. G. ALEXANDER, J. A. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J.
346 61 - PROTON INTERACTIONS BETWEEN 70 AND 180 MEV. G. ALEXANDER, J. A. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. L
452 61 UCRL-9482 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. CO
455 61 UCRL-9523-ABSTRACT EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. CO
456 61 UCRL-9523 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. CO
464 61 UCRL-9613-ABSTRACT EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S
465 61 UCRL-9613 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S
453 61 UCRL-9496 ALFVEN WAVE REFLECTIONS AND PROPAGATION MODES. A. W. DESILVA,
107 61 UCRL-TRANS-741 ON SOLUTIONS OF THE ALKALI METALS IN LIQUID AMMONIA, NOTE 4. SPECTROSCOPIC AND PHO
087 61 UCRL-9832 THE REACTION OF ALDOXIMES WITH ALKALI. H. KAPOPORT AND W. NILSSON
104 61 IATION ENERGIES OF MOLECULES OF THE OXIDES OF THE ALKALINE EARTH ELEMENTS. I. V. VEITS AND L. V. GURVICH
105 61 FECT OF LIGHT ON PLANTS. D. I. SAPOZHNIKOV, D. G. ALKHAZOV, Z. M. EIDELMAN ET AL
439 61 S SYSTEM FOR THE BEVATRON MARK 2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND
440 61 NS SYSTEM FOR THE BEVATRON MARK-2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND
479 61 UCRL-9790 SUPERCONDUCTIVITY OF Nb-75A/O ZR ALLOY IN HIGH DC MAGNETIC FIELDS. P. R. ARON, AND H. C. HITCH
194 61 UCRL-9647 MARTENSITE IN CU-12.0 PERCENT AL ALLOY. G. THOMAS AND M. C. HOFFSTUTLER
192 61 UCRL-9582 THE AGING CHARACTERISTICS OF ALUMINUM ALLOYS ELECTRON TRANSMISSION STUDIES OF ALUMINUM- MAGNESIUM- S
192 61 NSMISSION STUDIES OF ALUMINUM- MAGNESIUM- SILICON ALLOYS. G. THOMAS
357 61 -9774 THE NUCLEAR SPIN OF NEDDYMIUM-141. S. S. ALPERT, B. BUDICK, E. LIPWORTH, AND R. MARRUS
332 61 UCTURE AND NUCLEAR MOMENTS OF RAE, BI-210. S. S. ALPERT, E. LIPWORTH, M. B. WHITE, AND K. F. SMITH
148 61 UCRL-9765 AN ALPHA AIR PROPORTIONAL HAND AND FOOT COUNTER. W. J. ROACH AND
061 61 STITUTION ON RADIATION CHEMICAL PROPERTIES OF THE ALPHA AMINO ACID. B. M. WEEKS, M. KLAND-ENGLISH, AND W. M. GAR
247 61 UCRL-9542-ABSTRACT ALPHA DECAY BRANCHING RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI
352 61 UCRL-9758 THE ALPHA DECAY SCHEME OF 152 YEAR AM-242M. F. ASARO, M. C. MICHEL
234 61 UCRL-9511 ALPHA DECAY STUDIES IN THE FAMILIES OF THE LIGHT URANIUM ISOTO
376 61 UCRL-9851-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF FRANCIUM. R. D. GRIFFIEN AND R. D. MACFARL
246 61 UCRL-9541-ABSTRACT NEUTRON-DEFICIENT ALPHA EMITTERS OF HOLMIUM. R. D. MACFARLANE AND R. D. GRIFFIE
377 61 UCRL-9852-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF ERBIUM. R. D. MACFARLANE AND R. D. GRIFF
388 61 UCRL-9870 AN ALPHA EMITTING ISOMERIC STATE OF TB-149. R. D. MACFARLANE
198 61 E OF PARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITSC
199 61 E OF PARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITSC
325 61 ICLLS FROM CARBON AND HELIUM, DIRECT EVIDENCE FOR ALPHA PARTICLE CLUSTERING IN NUCLEI. T. J. GOODING AND G. IGO
293 61 ELASTIC SCATTERING OF 920 MEV ALPHA PARTICLES BY ALPHA PARTICLE CLUSTERS IN C-12. T. J. GOODING AND G. IGO
293 61 29-ABSTRACT QUASI ELASTIC SCATTERING OF 920 MEV ALPHA PARTICLES BY ALPHA PARTICLE CLUSTERS IN C-12. T. J. GOOD
325 61 UCRL-9710 SCATTERING OF 915 MEV ALPHA PARTICLES FROM CARBON AND HELIUM, DIRECT EVIDENCE FOR AL
249 61 ION OF THE REACTION, DEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION. J. A. POIRIER AND M. PRIPSTEIN
299 61 AL LIMIT FOR SIGMA (DEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION) AT 460 MEV. J. A. POIRIER, W. C. BOWM
180 61 UCRL-9651 PORTABLE ALPHA SURVEY INSTRUMENT. W. J. ROACH AND R. J. WALKER
238 61 UCRL-9525 ALPHA, DEUTERON REACTIONS ON ODD-ODD TARGETS. J. CERNY, B. G.

242 61 UCRL-9534 ISOMERIC CROSS-SECTION RATIO FOR THE ALPHA, PROTON NEUTRON REACTION. G. R. CHOPPIN AND T. SIKKELAN
306 61 UCRL-9650 HEAVY ION ELASTIC SCATTERING. J. ALSTER
275 61 UCRL-9587 PION-HYDROGEN RESONANCES. M. H. ALSTON AND M. FERRO-LUZZI
251 61 47 A RESONANCE IN THE K- MESON, PION SYSTEM. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
254 61 MESON INTERACTIONS IN HYDROGEN AT 1.15 BEV/C. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
328 61 UDY OF RESONANCES OF THE SIGMA-PION SYSTEM. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H
381 61 MESON PLUS PROTON INTERACTIONS AT 1.15 BEV/C. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H
311 61 LAMBDA- PION SYSTEM WITH RESONANCE OF ONE. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H
318 61 ZERO RESONANCE IN THE SIGMA PION SYSTEM. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
192 61 UCRL-9582 THE AGING CHARACTERISTICS OF ALUMINUM ALLOYS ELECTRON TRANSMISSION STUDIES OF ALUMINUM- MAG
292 61 REACTION CROSS SECTION FOR 160 MEV O-16 IONS IN ALUMINUM BY THE ATTENUATION METHOD. G. IGO AND B. WILKINS
192 61 ALUMINUM ALLOYS ELECTRON TRANSMISSION STUDIES OF ALUMINUM- MAGNESIUM- SILICON ALLOYS. G. THOMAS
201 61 GH VELOCITY RANGE AND ENERGY-LOSS MEASUREMENTS IN ALUMINUM, COPPER, LEAD, URANIUM AND EMULSION. W. H. BARKAS AN
378 61 ARITY OF THE OMEGA MESON. M. L. STEVENSON, L. W. ALVAREZ, B. C. MAGLIC, AND A. H. ROSENFELD
409 61 ROTON YIELDS XI PLUS K-MESON AT 1.2 BEV/C. L. W. ALVAREZ, J. BUTTON, G. R. KALBFLEISCH, D. H. MILLER, A. H. ROS
251 61 CE IN THE K- MESON, PION SYSTEM. M. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
254 61 IONS IN HYDROGEN AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
381 61 TON INTERACTIONS AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHQ, AN
328 61 CES OF THE SIGMA-PION SYSTEM. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHQ, AN
318 61 CE IN THE SIGMA PION SYSTEM. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
311 61 YSTEM WITH RESONANCE OF ONE. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHQ, AN
458 61 EV THE ABSORPTION SPECTRUM AND ZEEMAN EFFECT OF AM+3 IN LACL3. J. B. GRUBER, AND J. G. CONWAY
352 61 UCRL-9756 THE ALPHA DECAY SCHEME OF 152 YEAR AM-242M. F. ASARO, M. C. MICHEL, S. G. THOMPSON, AND I. PERLMA
039 61 ANALYSIS OF THE ABSORPTION SPECTRA OF TM(IV) AND AM(IV). J. B. GRUBER
032 61 A PORTABLE DEVICE FOR CONSTANT INFUSION OF THE AMBULATORY PATIENT. R. JOHNSON, P. DOWLING, AND D. VAN DYKE
473 61 95 CRYSTAL STRUCTURE AND PHYSICAL PROPERTIES OF THE AMERICIUM METAL. D. B. MCHWAN
195 61 OF LANTHANUM, BISMUTH, NEPTUNIUM, PLUTONIUM, AND AMERICIUM TO 450C AND 30 KILOBARS. D. MCHWAN, P. W. MONTGOMER
351 61 9757 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF AMERICIUM-242. R. MARRUS, AND J. WINOCUR
055 61 OF THE INFRARED ABSORPTION SPECTRUM OF TRIVALENT AMERICIUM(5F-6) IN LACL3. J. B. GRUBER
061 61 ION ON RADIATION CHEMICAL PROPERTIES OF THE ALPHA AMINO ACID. B. M. WEEKS, M. KLAND-ENGLISH, AND W. M. GARRISON
001 61 C FATE OF THE RADIATION PROTECTIVE COMPOUNDS, S₂ AMINO ETHYLISOTHIURONIUM BROMIDE, AET, IN THE RAT. F. P. CONT
107 61 ED SPECTRA OF MARGINALLY METALLIC SYSTEMS, SODIUM AMMONIA SOLUTIONS. T. A. BECKMAN AND K. S. PITZER
056 61 -741 ON SOLUTIONS OF THE ALKALI METALS IN LIQUID AMMONIA, NOTE 4. SPECTROSCOPICAL AND PHOTOCHEMICAL MEASUREMENTS.
151 61 UCRL-9816 MODEL-6 LINEAR AMPLIFIER SYSTEM AND PREAMPLIFIER. W. W. GOLDSWORTHY
143 61 INSIC COLLECTOR TO BASE CAPACITANCE IN TRANSISTOR AMPLIFIERS. L. SCOTT
142 61 UCRL-9624 FAST PULSE AMPLITUDE DISCRIMINATORS. D. A. MACK
145 61 UCRL-9720 A MULTIPLEX PULSE-HEIGHT RECORDER AND ANALYZER. A. A. WYDLER
019 61 AL COMPLEXITY AND TRAINING ON BRAIN CHEMISTRY AND ANATOMY, A REPLICATION AND EXTENSION. M. R. ROSENZWEIG, D. KR
281 61 LOYD, W. LASKER, F. S. CROWFORD, J. BUTTON, J. A. ANDERSON, AND G. ALEXANDER
346 61 ACTIONS BETWEEN 70 AND 180 MEV. G. ALEXANDER, J. A. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. LLOYD
385 61 ONS OF LAMBDA S WITH PROTONS. G. ALEXANDER, J. A. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. LLOYD
432 61 TERS, L. SMITH, C. M. VAN ATTA, F. VOELKER, C. E. ANDERSON, R. BERINGER, R. L. GLUCKSTERN, W. J. KNOX, M. S. MAL
271 61 AL RESULTS ON THE PION-PION CROSS SECTION. J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMI
274 61 UCRL-9585 PION-PION INTERACTIONS. J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMI
446 61 UCRL-9318 LECTURES ON SUPERCONDUCTIVITY BY ANDREW M. SESSLER AT THE UNIVERSITY OF CALIFORNIA DURING THE S
159 61 ING TUBE USING ION ACCELERATION. E. A. AB, G. M. ANDRIANOV, K. I. PLOTNIKOV, ET AL
024 61 ELECTRON PARAMAGNETIC RESONANCE IN BIOLOGY. G. M. ANDROES AND M. CALVIN
423 61 BUTION OF GAMMA RAY AND POSITRON EMITTERS. H. O. ANGEK
049 61 UCRL-9537 ANHARMONIC POTENTIAL CONSTANTS AND THEIR DEPENDENCE UPON BOND
009 61 GY WITH EMPHASIS ON POSTIRRADIATION PROTECTION OF ANIMALS WITH LIPIDS. J. K. ASHIKAWA
266 61 CHANGE PRODUCTION OF ANTINEUTRONS AND ANTINEUTRON ANNIHILATION IN HYDROGEN. C. K. HINRICH, B. J. MOYER, P. M. O
276 61 ARGE EXCHANGE PRODUCTION OF ANTINEUTRON AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICH, B. J. MOYER, P. M. O
277 61 RUE EXCHANGE PRODUCTION OF ANTINEUTRONS AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICH, B. J. MOYER, J. A.
079 61 9793 SEMIEMPIRICAL CORRELATION OF BETA POSITIVE ANNIHILATION RATES IN METALS. J. A. MCHUGH
213 61 402 PION-PION CORRELATION IN ANTIPTOTON- PROTON ANNIHILATION. G. GOLDBER AND W. LEE
280 61 -9597 A STUDY OF K-MESONS IN ANTIPTOTON, PROTON ANNIHILATION. G. R. KALBFLEISCH
401 61 CT PION-PION CORRELATIONS IN ANTIPTOTON, PROTON ANNIHILATIONS AT REST. W. LEE, W. CHINOWSKY, G. GOLDBER, AND
309 61 TION OF NEUTRAL PION AND K-MESONS FORM ANTIPTOTON ANNIHILATIONS IN FLIGHT. B. C. MAGLIC, G. R. KALBFLEISCH, AND
035 61 UCRL-TRANS-695 A POSSIBLE EXPLANATION OF ANOMALIES IN BIOLOGICAL ISOTOPE EFFECTS, OBSERVED IN O2O-16 A
418 61 UCRL-TRANS-702 SEARCH FOR ANOMALIES IN THE ENERGY DEPENDENCE OF THE CROSS SECTION OF REA
329 61 UCRL-9719 THE ANOMALY IN MESON PRODUCTION IN PROTON, DEUTERON COLLISIONS. N
203 61 -9130-REV THE RB-85 - RB-86 HYPERFINE STRUCTURE ANOMALY. N. BRASLAU, G. D. BRINK, AND J. M. KHAN
248 61 UCRL-9543 ANTI-K- MESON NUCLEON BOUND-STATE INTERPRETATION OF THE 1385-
444 61 ABSTRACT THE LOW TEMPERATURE HEAT CAPACITIES OF ANTIFERROMAGNETIC COF2 AND MNF2. E. CATALANO AND N. E. PHILLI
059 61 RL-9615 HYDRIDES OF GERMANIUM, TIN, ARSENIC AND ANTIMONY. W. L. JOLLY AND J. E. DRAKE
276 61 UCRL-9589 CHARGE EXCHANGE PRODUCTION OF ANTINEUTRON AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICH
266 61 CHARGE EXCHANGE PRODUCTION OF ANTINEUTRONS AND ANTINEUTRON ANNIHILATION IN HYDROGEN. C. K. HINRICH, B. J. MO
266 61 CRL-9564-ABSTRACT CHARGE EXCHANGE PRODUCTION OF ANTINEUTRONS AND ANTINEUTRON ANNIHILATION IN HYDROGEN. C. K. H
277 61 UCRL-9589-REV CHARGE EXCHANGE PRODUCTION OF ANTINEUTRONS AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICH
343 61 UCRL-9742 RECENT EXPERIMENT ON THE ANTINUCLEON NUCLEON INTERACTION. W. A. WENZEL
309 61 AR DISTRIBUTION OF NEUTRAL PION AND K-MESONS FORM ANTIPTOTON ANNIHILATIONS IN FLIGHT. B. C. MAGLIC, G. R. KALBF
427 61 UCRL-9738 ANTIPTOTON EXPERIMENTS IN A HYDROGEN BUBBLE CHAMBER. F. SOLMI
298 61 UCRL-9636-ABSTRACT ANTIPTOTON PROTON CROSS SECTIONS AT LOW ENERGY. B. CORK, O.
310 61 UCRL-9673 ANTIPTOTON PROTON INELASTIC INTERACTIONS AT 1.61 BEV/C AND THE
273 61 UCRL-9581 FINAL STATES OF THE ANTIPTOTON PROTON SYSTEM. G. R. LYNCH
213 61 UCRL-9402 PION-PION CORRELATION IN ANTIPTOTON- PROTON ANNIHILATION. G. GOLDBER AND W. LEE
280 61 UCRL-9597 A STUDY OF K-MESONS IN ANTIPTOTON, PROTON ANNIHILATION. G. R. KALBFLEISCH
401 61 UCRL-9915-ABSTRACT PION-PION CORRELATIONS IN ANTIPTOTON, PROTON ANNIHILATIONS AT REST. W. LEE, W. CHINOWSKY
169 61 UCRL-9807 CALIBRATION OF BRIDGMAN ANVILS, A PRESSURE SCALE TO 125 KILOBARS. P. W. MONTGOMERY, H
071 61 RADIOLYTIC REACTIONS OF THE CYCLIC DIPEPTIDES IN AQUEOUS SOLUTION. M. KLAND-ENGLISH, W. BENNETT, AND W. M. GARR
023 61 -9813 RADIATION INDUCED OXIDATION OF PROTEIN IN AQUEOUS SOLUTION. W. M. GARRISON, M. E. JAYKO, AND W. BENNETT
043 61 TION OF PYRAZINE DERIVATIVES IN THE RADIOLYSIS OF AQUEOUS SOLUTIONS OF THE CYCLIC DIPEPTIDES. M. KLAND-ENGLISH A
311 61 UCRL-9903 ON PH EFFECTS IN THE RADIOLYSIS OF AGUO- ORGANIC SYSTEMS. W. M. GARRISON, B. M. WEEKS, AND S. CO
083 61 ILS OF THE ACTION OF ACETOBACTER SUBOXYDANS ON D- AKABITOL, RIBITOL AND OTHER POLYHYDROXY COMPOUNDS. V. MOSES A
414 61 TOTAL SCATTER CROSS SECTIONS OF FAST NEUTRONS BY ARGON AND CRYPTON. V. P. VLASENKO, I. A. GRITS, D. E. KHULELID
092 61 UCRL-9890 CORRESPONDING STATES THEORY FOR ARGON AND XENON. F. DANON AND K. S. PITZER
003 61 S OF DENSELY IONIZING RADIATIONS. T. BRUSTAD, P. ARIOTTI, AND J. LYMAN
240 61 ELECTRON COUPLED HYPERFINE SPLITTING CONSTANTS IN AROMATIC HYDROCARBONS. J. V. ACRIVOS
479 61 25A/D ZR ALLOY IN HIGH DC MAGNETIC FIELDS. P. R. ARON, AND H. C. HITCHCOCK
369 61 RECENT SUPERCONDUCTIVITY TESTS AND STUDIES. P. R. ARON, H. P. HERNANDES, AND H. C. HITCHCOCK
059 61 UCRL-9615 HYDRIDES OF GERMANIUM, TIN, ARSENIC AND ANTIMONY. W. L. JOLLY AND J. E. DRAKE
314 61 DD-MASS NUCLIDES. J. K. LUM, J. H. LIGHT, AND F. ASARO
237 61 TEMATICS OF THE HEAVY ELEMENTS. I. PERLMAN AND F. ASARO
352 61 THE ALPHA DECAY SCHEME OF 152 YEAR AM-242M. F. ASARO, M. C. MICHEL, S. G. THOMPSON, AND I. PERLMAN

047 61 OTEINS. C. S. REHNBERG, A. V. NICHOLS, AND J. K. ASHIKAWA
 009 61 DIATION PROTECTION OF ANIMALS WITH LIPIDS. J. K. ASHIKAWA
 029 61 THE PLASMA LIPOIDS OF MICE. C. S. REHNBERG, J. S. ASHIKAWA, AND A. V. NICHOLS
 208 61 RL-9372 THE CROSS SECTIONS FOR THE FORMATION OF ASTATINE ISOTOPES MADE BY THE BOMBARDMENT OF BI-209 WITH HE-3.
 485 61 UCRL-9885 A THEORETICAL CONSIDERATION OF ASYMMETRIC HEAT FLOW AT THE INTERFACE OF THE DISSIMILAR METALS.
 309 61 UCRL-9670 CHARGE ASYMMETRIES IN THE ANGULAR DISTRIBUTION OF NEUTRAL PION AND K-
 206 61 UCRL-9322 MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. H. KRUGER
 258 61 UCRL-9557-ABSTRACT MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. K. M. CROWE AND H. KRUGER
 370 61 UCRL-9820 ASYMMETRY PARAMETERS IN THE DECAYS POSITIVE SIGMA YIELDS PROTO
 202 61 S SECTIONS IN HYDROGEN AND OTHER ELEMENTS. J. H. ATKINSON, W. N. HESS, V. PEREZ-MENDEZ, AND R. WALLACE
 182 61 UCRL-TRANS-738 RADIOACTIVITY IN THE ATMOSPHERE, THE PERCENTAGE OF SMALL AND LARGE RADIOACTIVE IONS
 300 61 TION AND CORRELATION TENSORS IN ELECTRON HYDROGEN ATOM SCATTERING. P. G. BURKE AND H. M. SCHEY
 445 61 ELF CONSISTENT CALCULATION FOR THE NORMAL MERCURY ATOM. S. COHEN
 205 61 UCRL-9225 ATOMIC BEAM INVESTIGATIONS OF ELECTRONIC AND NUCLEAR GROUND ST
 221 61 UCRL-9480 ATOMIC BEAM RESEARCH ON THE SPINS, HYPERFINE STRUCTURES, AND M
 295 61 UCRL-9633-ABSTRACT ATOMIC CORRELATION ENERGIES WITH APPLICATION TO BORON. H. KEL
 179 61 IN RADIATION DOSIMETRY HELD AT THE INTERNATIONAL ATOMIC ENERGY AGENCY IN VIENNA JUNE 7 TO 11, 1960. R. WALLACE
 308 61 UCRL-9669-ABSTRACT SCATTERING OF ELECTRONS BY ATOMIC HYDROGEN. P. G. BURKE, V. M. BURKE, AND H. M. SCHEY
 046 61 UCRL-9512 AN INTERFEROMETRIC STUDY OF ATOMIC MERCURY SPECTRAL LINES. R. BERG
 054 61 REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS. K. ATOMS WITH CH3I AND C2H5I. D. R. HERSCHBACH, G. H. KWEI, AND
 359 61 UCRL-9779 LOW-LYING LEVELS IN CERTAIN ACTINIDE ATOMS. B. R. JUDD
 395 61 D BY RADIATIONLESS TRANSITIONS IN THE MU- MESONIC ATOMS, TH-232, U-235, AND U-238. J. A. DIAZ, S. N. KAPLAN, AN
 432 61 AIN, N. J. NORRIS, R. PETERS, L. SMITH, C. M. VAN ATTA, F. VOELKER, C. E. ANDERSON, R. BERINGER, R. L. GLUCKSTER
 292 61 SECTION FOR 160 MEV D-16 IONS IN ALUMINUM BY THE ATTENUATION METHOD. G. IGO AND B. WILKINS
 403 61 UCRL-9927-ABSTRACT NUCLEAR SPIN OF ISOMERIC AU-196. Y. W. CHAN, W. B. EWBANK, W. A. NIENBERG, AND H. A.
 065 61 NTERPRETATION OF THE ISOMERIC CHEMICAL SHIFTS IN AU-197. D. A. SHIRLEY
 256 61 UCRL-9554 RECOIL-FREE RESONANT ABSORPTION IN AU-197. D. A. SHIRLEY, M. KAPLAN, AND P. AXEL
 468 61 MENTS, ELECTRON BINDING ENERGIES, X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND FLUORESCENT YIELDS. E. K. HYDE
 285 61 UCRL-9609 THE K- AND L- AUGER SPECTRUM OF URANIUM. R. G. ALBRIDGE AND J. M. HOLLANDER
 185 61 UCRL-9476 AUTOMATIC DATA PROCESSING PARTIAL PROCEEDINGS OF AN INFORMAL M
 420 61 UCRL-9231 AUTOMATIC SCANNING AND MEASURING OF BUBBLE CHAMBER PHOTOGRAPHS
 256 61 PTION IN AU-197. D. A. SHIRLEY, M. KAPLAN, AND P. AXEL
 165 61 UCRL-9503 THE CROSS PRODUCT OF E AND B VECTORS DISCHARGE AS A SOURCE OF IONS. K. W. EHLERS
 181 61 UCRL-9660 REMOTE PLASTIC BAG PASSOUT UNIT FOR HIGH LEVEL RADIO-CHEMICAL OPERATIONS. E.
 111 61 ESILVA, W. S. COOPER III, P. PELLISSIER AND W. R. BAKER
 115 61 ROTATING PLASMA. K. HALBACH, D. VERON, AND W. R. BAKER
 129 61 MINATOR CIRCUIT FOR TEN NANOSECOND PULSES. S. C. BAKER
 130 61 MINATOR CIRCUIT FOR TEN-NANOSECOND PULSES. S. C. BAKER
 128 61 WITH A COMPLEX NUCLEAR PHYSICS EXPERIMENT. S. C. BAKER, F. A. KIRSTEN, D. A. MACK, AND C. WIEGAND
 432 61 AVY ION LINEAR ACCELERATOR. E. L. HUBBARD, W. R. BAKER, K. W. EHLERS, H. S. GORDON, R. M. MAIN, N. J. NORRIS, R
 131 61 MONITORING FOR A LARGE COUNTER EXPERIMENT. S. C. BAKER, Q. A. KERNS, F. A. KIRSTEN ET AL
 373 61 HIGH ENERGY NUCLEON NUCLEON SCATTERING. L. A. P. BALAZS
 355 61 UCRL-9764 SCATTERING IN THE K=0 BAND OF ODD-ODD DEFORMED NUCLEI. N. D. NEWBY
 271 61 E PION-PION CROSS SECTION. J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
 274 61 PION-PION INTERACTIONS. J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
 244 61 L-9539 PION PRODUCTION BY NEGATIVE PIONS. B. C. BARISH, R. J. KURZ, P. G. MCANIGAL ET AL
 394 61 EGATIVE PION PROTON COLLISIONS AT 380 MEV. B. C. BARISH, R. J. KURZ, V. PEREZ-MENDEZ, AND J. SOLOMON
 197 61 S OF OXIDES OF MAGNESIUM, CALCIUM, STRONTIUM, AND BARIUM. I. V. VEITS AND L. V. GURVICH
 200 61 REV DATA FOR ELEMENTARY PARTICLE PHYSICS. W. H. BARKAS AND A. H. ROSENFELD
 201 61 MINUM, COPPER, LEAD, URANIUM AND EMULSION. W. H. BARKAS AND S. VON FRIESEN
 374 61 F NEUTRAL PIONS. H. SHWE, F. M. SMITH, AND W. H. BARKAS
 424 61 B INFORMATION CONTENT OF PARTICLE TRACKS. W. H. BARKAS
 425 61 INFORMATION CONTENT OF PARTICLE TRACKS. W. H. BARKAS
 426 61 NSITY OF EMULSION TRACKS. J. W. PATRICK AND W. H. BARKAS
 319 61 SION ON PARTICLES OF NEGATIVE STRANGENESS. W. H. BARKAS, J. N. DYER, C. J. MASON, N. A. NICKOLS, AND F. M. SMIT
 322 61 A DECAY MODES OF THE PION HYPERON RESONANCES. P. BASTIEN, M. FERRO-LUZZI AND A. H. ROSENFELD
 301 61 ON SYSTEM WITH RESONANCE OF ONE. J. P. BERGE, P. BASTIEN, O. DAHL, M. FERRO-LUZZI, J. KIRZ, D. H. MILLER, J. J.
 370 61 L LAMBDA YIELDS PROTON PLUS NEGATIVE PION. E. F. BEALL, B. CORK, D. KEEFE, P. G. MURPHY, ET AL
 212 61 W OF SOURCE TECHNIQUES USED IN RADIOACTIVE ATOMIC BEAM EXPERIMENTS. E. LIPWORTH
 205 61 UCRL-9225 ATOMIC BEAM INVESTIGATIONS OF ELECTRONIC AND NUCLEAR GROUND STATES IN
 430 61 UCRL-9416 PRELIMINARY STUDIES ON BEAM PROGRAMMING IN A CYCLOTRON. H. A. WILLAX
 221 61 UCRL-9480 ATOMIC BEAM RESEARCH ON THE SPINS, HYPERFINE STRUCTURES, AND MOMENTS
 439 61 UCRL-9743 DEVELOPMENT OF A 100-MA PROTON BEAM SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK 2 INJECTOR.
 081 61 L-9801 CHEMICAL REACTIONS IN CROSSED MOLECULAR BEAMS. D. R. HERSCHBACH
 054 61 L-9576 REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS. K. ATOMS WITH CH3I AND C2H5I. D. R. HERSCHBACH, G. H. K
 188 61 ER PROGRAM FOR THE OPTICS OF HIGH ENERGY PARTICLE BEAMS. T. J. DEVLIN
 417 61 MENTS FROM ELECTRON BOMBARDMENT OF MOLECULES. D. BECK AND O. OSBERGHAS
 004 61 ROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
 005 61 ROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
 490 61 ITH THE FIELD IONIZATION MASS SPECTROMETER. H. D. BECKEY
 056 61 METALLIC SYSTEMS, SODIUM AMMONIA SOLUTIONS. T. A. BECKMAN AND K. S. PITZER
 023 61 US SOLUTION. W. M. GARRISON, M. E. JAYKO, AND W. BENNETT
 026 61 IRONMENTS. D. KRECH, M. R. ROSENZWEIG, AND E. L. BENNETT
 019 61 AND EXTENSION. M. R. ROSENZWEIG, D. KRECH, E. L. BENNETT, AND M. C. DIAMOND
 071 61 EPTIDES IN AQUEOUS SOLUTION. M. KLAND-ENGLISH, W. BENNETT, AND W. M. GARRISON
 193 61 UCTURES IN DEFORMED AND RECOVERED MOLYBDENUM. R. BENSON, G. THOMAS, AND J. WASHBURN
 058 61 AL INTERACTION OF ACCELERATED CARBON-14 IONS WITH BENZENE. R. T. MULLEN
 046 61 ETRIC STUDY OF ATOMIC MERCURY SPECTRAL LINES. R. BERG
 301 61 LAMBDA-PION SYSTEM WITH RESONANCE OF ONE. J. P. BERGE, P. BASTIEN, O. DAHL, M. FERRO-LUZZI, J. KIRZ, D. H. MIL
 432 61 H, C. M. VAN ATTA, F. VOELKER, C. E. ANDERSON, R. BERINGER, R. L. GLUCKSTERN, W. J. KNOX, M. S. MALKIN, A. R. QU
 484 61 GEN IN A TRANSVERSE STRONG MAGNETIC FIELD. M. J. BERNSTEIN AND W. B. KUNKEL
 282 61 UCRL-9605 EVIDENCE FOR LOW RATES FOR BETA DECAY OF SIGMA-NEGATIVE AND LAMBDA HYPERONS. W. E. HUMPH
 018 61 UCRL-9755 SELECTIVE BETA IRRADIATION OF THE LYMPHATIC SYSTEM USING INTERNALLY ADMI
 038 61 CRL-9039 SOME CHARACTERISTICS OF A STRONTIUM-90 BETA PARTICLE RADIATION DETECTOR FOR GAS-LIQUID CHROMATOGRAPH
 079 61 UCRL-9793 SEMIEMPIRICAL CORRELATION OF BETA POSITIVE ANNIHILATION RATES IN METALS. J. A. MCHUGH
 365 61 UCRL-9809 ELECTRON TRACK COUNTING FOR BETA SPECTROSCOPY. K. D. SEVIER
 153 61 UCRL-9853 A SIMPLE, TRANSISTORIZED BETA-GAMA HAND AND SHOE MONITOR. R. J. WALKER AND W. J. ROACH
 339 61 K- MESON, PROTON AND NEUTRON INTERACTION FROM 0.6 BEV TO 3.5 BEV. V. COOK, B. CORK, T. F. HOANG, D. KEEFE, L. T. KERTH, W.
 211 61 REACTION INDUCED BY PROTONS OF ENERGY 0.4 TO 6.2 BEV. L. C. SAH
 339 61 ROTON AND NEUTRON INTERACTION FROM 0.6 BEV TO 3.5 BEV. V. COOK, B. CORK, T. F. HOANG, D. KEEFE, L. T. KERTH, W.
 310 61 ANTI-PROTON PROTON INELASTIC INTERACTIONS AT 1.61 BEV/C AND THEIR USE FOR A TEST OF CHARGE CONJUGATION INVARIANC
 409 61 - MESON PLUS PROTON YIELDS XI PLUS K-MESON AT 1.2 BEV/C. L. W. ALVAREZ, J. BUTTON, G. R. KALBFLEISCH, D. H. MIL
 381 61 EGATIVE K- MESON PLUS PROTON INTERACTIONS AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W.
 254 61 EGATIVE K- MESON INTERACTIONS IN HYDROGEN AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL

228 61 SECTIONS FOR POSITIVE PIONS AND PROTONS ABOVE 1.4 BEV/C. M. J. LONGO
 335 61 INTERACTIONS IN THE MOMENTUM REGION 0.77 TO 2.83 BEV/C. V. COOK, D. KEEFE, L. T. KERTH, P. G. MURPHY, W. A. HE
 209 61 ITRON CROSS SECTIONS IN THE MOMENTUM RANGE 1 TO 4 BEV/C. V. COOK, B. CORK, T. F. HOANG ET AL
 439 61 100-MA PROTON BEAM SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK 2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHT
 440 61 OF A 100-MA PHOTON SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK-2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHT
 431 61 UCRL-9418 BEVATRON OPERATION AND DEVELOPMENT. 26. W. D. HARTSOUGH
 433 61 UCRL-9546, UCRL-9671, UCRL-9721 BEVATRON OPERATION AND DEVELOPMENT 27-29. W. D. HARTSOUGH AND
 441 61 EVALUATION OF SHIELDING REQUIRED FOR THE IMPROVED BEVATRON. B. J. MOYER
 208 61 N OF ASTATINE ISOTOPES MADE BY THE BOMBARDMENT OF BI-209 WITH HE-3. E. T. STROM
 332 61 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF RAE, BI-210. S. S. ALPERT, E. LIPWORTH, M. B. WHITE, AND K. F. SMI
 041 61 UCRL-9363-REV THE RADIOLYSIS OF BIACETYL VAPOR. G. J. MAINS, A. S. NEWTON, AND A. F. SCIAMANNA
 468 61 SCOPY IN TRANSMERCURY GROUP OF ELEMENTS, ELECTRON BINDING ENERGIES, X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND
 007 61 UCRL-9519, UCRL-9652, UCRL-9772 BIO ORGANIC CHEMISTRY QUARTERLY REPORT.
 006 61 UCRL-9518 BIO- RADIOLOGY IN SPACE AND IN THE LABORATORY. R. WALLACE
 083 61 UCRL-9805 THE BIOCHEMICAL SYNTHESIS OF D-XYLULOSE AND L-RIBULOSE, DETAILS
 022 61 UCRL-9799 BIOELECTRIC EFFECTS OF HIGH ENERGY IRRADIATION ON NERVE. C. T
 003 61 XPERIMENTAL SETUP AND DOSIMETRY FOR INVESTIGATING BIOLOGICAL EFFECTS OF DENSELY IONIZING RADIATIONS. T. BRUSTAD
 010 61 UCRL-9596-ABSTRACT BIOLOGICAL EFFECTS OF HEAVY RADIATION PARTICLES. C. A. TOBIAS
 018 61 Y ADMINISTERED Y-90 DTPA, KINETICS, DOSIMETRY AND BIOLOGICAL EVALUATION. H. S. WINCHELL
 035 61 MANS-695 A POSSIBLE EXPLANATION OF ANOMALIES IN BIOLOGICAL ISOTOPE EFFECTS, OBSERVED IN D20-16 AND H20-18. S.
 014 61 UCRL-9688 PREPARATION OF BIOLOGICAL MATERIAL FOR RADIOAUTOGRAPHIC STUDIES OF INTERMEDIA
 011 61 UCRL-9617 BIOLOGY AND MEDICINE SEMI-ANNUAL REPORT.
 024 61 UCRL-9823 ELECTRON PARAMAGNETIC RESONANCE IN BIOLOGY. G. M. ANDROES AND M. CALVIN
 091 61 DISTRIBUTION OF RADIOACTIVITY IN MORPHINE FROM BIOSYNTHESIS WITH CARBON-14 DIOXIDE. H. RAPOPORT, N. LEVY, AN
 227 61 UCTION BY NEGATIVE K-MESONS. W. B. FOWLER, R. W. BIRGE, P. EBERHARD ET AL
 036 61 UCRL-8225-REV CRYSTAL STRUCTURE OF VANADYL BISACETYLACETONATE. GEOMETRY OF VANADIUM IN FIVE-FOLD COORDINA
 195 61 E TEMPERATURE RESISTANCE PROPERTIES OF LANTHANUM, BISMUTH, NEPTUNIUM, PLUTONIUM, AND AMERICIUM TO 450C AND 30 KI
 157 61 ULUTION OF A SCINTILLATION COUNTER SYSTEM. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
 127 61 ATE CHRONOTRON FOR DIGITIZING TIME DELAYS. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
 250 61 ROTATIONAL AND VIBRATIONAL LEVELS IN U-232. S. BJORNHOLM, A. B. KNUITSEN, AND O. B. NIELSEN
 013 61 UCRL-9681 STIMULATION OF THE CORNEAL BLINKING REFLEX BY IONIZING RADIATION. C. TOBIAS, J. LUCE, N.
 342 61 R MESON INTERMEDIARY IN WEAK INTERACTIONS. S. A. BLUDMAN AND J. A. YOUNG
 375 61 NETIC PRODUCTION OF CHARGED VECTOR MESONS. S. A. BLUDMAN AND J. A. YOUNG
 392 61 OF A CHARGED VECTOR MESON. J. A. YOUNG AND S. A. BLUDMAN
 312 61 ESSES AND THE DELTA I EQUALS ONE-HALF RULE. S. A. BLUDMAN
 189 61 -9494 EXPERIMENTS ON COLOR CENTERS IN CRESTMORE BLUE CALCITE. A. WIERSEMA
 462 61 TETRAMETHYL AMMONIUM SOLUTIONS, PART 2. CRESTMORE BLUE CALCITE. L. R. DOYLE
 287 61 UCRL-9614 GENERATION OF THREE BODY PRODUCTION AND DECAY PROCESSES FOLLOWING PHASE SPACE DIST
 029 61 UCRL-9849 COMPARISON OF THE EFFECTS OF WHOLE BODY X- IRRADIATION AND FASTING ON THE PLASMA LIPIDS OF MICE.
 172 61 7 ON THE PROBLEM OF HEAT EXCHANGE DURING LIQUID BOILING IN TUBES. I. P. VISHNEV AND N. K. ELUKHIN
 101 61 UCRL-TRANS-694 STUDY OF HEAT EXCHANGE IN THE BOILING OF WATER AND ETHYL ALCOHOL IN TUBES. L. S. STERMAN, V
 072 61 UCRL-9744 DOWNFLOW FORCED CONVECTION BOILING OF WATER IN UNIFORMLY HEATED TUBES. R. N. WRIGHT
 452 61 M. WILCOX, A. W. DESILVA, W. S. COOPER, AND F. I. BOLEY
 455 61 W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 456 61 W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 208 61 OR THE FORMATION OF ASTATINE ISOTOPES MADE BY THE BOMBARDMENT OF BI-209 WITH HE-3. E. T. STROM
 417 61 SPECTRUM OF THE UNCHARGED FRAGMENTS FROM ELECTRON BOMBARDMENT OF MOLECULES. D. BECK AND O. OSBERGHAUS
 261 61 BSTRACT CHARGED PARTICLE SPECTRA FROM HEAVY ION BOMBARDMENT. H. H. HECKMAN, D. V. REAMES, AND W. G. SIMON
 161 61 L-TRANS-733 DIFFRACTION LIGHT MODULATOR. A. M. BONCH-BRUEVICH AND V. A. MOLCHANOV
 491 61 734 SOME PROBLEMS OF PHASE MEASUREMENTS. A. M. BONCH-BRUEVICH AND V. I. SHIROKOV
 057 61 UCRL-9590 BOND ENERGIES, VALENCE STATE ENERGIES AND RESONANCE. G. R. SO
 461 61 UCRL-9568 ORBITAL RADII, BOND LENGTH AND RESONANCE. G. R. SOMAYAJULU
 049 61 NIC POTENTIAL CONSTANTS AND THEIR DEPENDENCE UPON BOND LENGTH. D. R. HERSCHBACH AND V. W. LAURIE
 066 61 RL-9702-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, D. H. TEMPL
 067 61 RL-9703-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF SODIUM CHROMATE TETRAHYDRATE. D. H. TEMPLETON, H.
 329 61 PRODUCTION IN PROTON, DEUTERON COLLISIONS. N. E. BOOTH, A. ABASHIAN, AND K. M. CROWE
 488 61 T LOW INTENSITIES OF THE ELECTRICAL FIELD. M. D. BORISOV, V. A. SUPRUNENKO, E. A. SUKHOMLIN, ET AL.
 295 61 ATOMIC CORRELATION ENERGIES WITH APPLICATION TO BORON. H. KELLY
 304 61 UCRL-9644 BOSE STATISTICS AND LAMBDA, PION PRODUCTION AND DECAY IN NEGAT
 248 61 UCRL-9543 ANTI- K- MESON NUCLEON BOUND-STATE INTERPRETATION OF THE 1385-MEV PION, LAMBDA RESONA
 299 61 US NEUTRAL PION) AT 460 MEV. J. A. POIRIER, W. C. BOWMAN, J. B. CARROLL, AND M. PRIPSTEIN
 088 61 L DIHALIDES. L. BREWER, G. R. SOMAYAJULU, AND E. BRACKETT
 269 61 TIONS BELOW 100 MEV. T. STUBBS, S. GOLDBABER, H. BRADNER ET AL
 344 61 , PROTON INTERACTION AT 455-MEV. T. F. STUBBS, H. BRADNER, W. CHINOWSKY, G. GOLDBABER, S. GOLDBABER, W. SLATER,
 019 61 FECTS OF ENVIRONMENTAL COMPLEXITY AND TRAINING ON BRAIN CHEMISTRY AND ANATOMY, A REPLICATION AND EXTENSION. M.
 026 61 UCRL-9826 RELATIONS BETWEEN BRAIN CHEMISTRY AND PROBLEM SOLVING, AMONG RATS RAISED IN ENRI
 027 61 AGE OF TRAINING ON CHOLINESTERASE ACTIVITY IN THE BRAINS OF MAZE BRIGHT RATS. J. F. ZOLMAN AND H. MORIMOTO
 311 61 UCRL-9675 THE SIGMA/ LAMBDA BRANCHING RATIO OF THE LAMBDA- PION SYSTEM WITH RESONANCE OF O
 384 61 NEW DETERMINATION OF THE POSITIVE K- MESON DECAY BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L. BROWN, D. A.
 218 61 PRODUCTION AND DECAY. ENERGETICS, LIFETIMES, AND BRANCHING RATIOS. J. N. DYER
 247 61 UCRL-9542-ABSTRACT A REFINEMENT OF ALPHA DECAY BRANCHING RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI. J. O. RAS
 203 61 HE RB-85 - RB-86 HYPERFINE STRUCTURE ANOMALY. N. BRASLAU, G. O. BRINK, AND J. M. KHAN
 270 61 UCRL-9575 BREMSSTRAHLUNG. R. W. KENNEY
 088 61 YNAMIC PROPERTIES OF GASEOUS METAL DIHALIDES. L. BREWER, G. R. SOMAYAJULU, AND E. BRACKETT
 182 61 F SMALL AND LARGE RADIOACTIVE IONS IN THE AIR. J. BRICARD, J. PRADEL, AND A. RENOUX
 169 61 UCRL-9807 CALIBRATION OF BRIDGMAN ANVILS, A PRESSURE SCALE TO 125 KILOBARS. P. W. MONT
 027 61 ON CHOLINESTERASE ACTIVITY IN THE BRAINS OF MAZE BRIGHT RATS. J. F. ZOLMAN AND H. MORIMOTO
 203 61 6 HYPERFINE STRUCTURE ANOMALY. N. BRASLAU, G. O. BRINK, AND J. M. KHAN
 001 61 ROTECTIVE COMPOUNDS, S,2 AMINO ETHYLISOTHIOURONIUM BROMIDE, AET, IN THE RAT. F. P. CONTE
 384 61 BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L. BROWN, D. A. GLASER, J. A. KADYK, AND G. H. TRILLING
 185 61 E RADIATION LABORATORY. P. V. C. HOUGH AND J. L. BROWN, EDITORS
 393 61 UTRAL PION PLUS NEUTRINO DECAY INTERACTION. J. L. BROWN, J. A. KADYK, G. H. TRILLING, R. T. VAN DE WALLE, B. P.
 013 61 ZING RADIATION. C. TOBIAS, J. LUCE, N. YANNI, T. BRUSTAD, J. LYMAN, AND S. KIMURA
 003 61 GICAL EFFECTS OF DENSELY IONIZING RADIATIONS. T. BRUSTAD, P. ARIOTTI, AND J. LYMAN
 420 61 UCRL-9231 AUTOMATIC SCANNING AND MEASURING OF BUBBLE CHAMBER PHOTOGRAPHS. A. GRASSELLI
 427 61 UCRL-9738 ANTI-PROTON EXPERIMENTS IN A HYDROGEN BUBBLE CHAMBER. F. SOLMITZ
 421 61 UCRL-9527 EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE DETERMINATION OF TRACK DENSIT
 422 61 UCRL-9527-REV EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE DETERMINATION OF TRACK DENSIT
 149 61 UCRL-9767 A LOW SPEED SWINGING BUCKET ULTRACENTRIFUGAL ROTOR. F. T. LINDGREN
 405 61 L-9929-ABSTRACT NUCLEAR SPIN OF HOLMIUM-161. B. BUDICK AND R. MARRUS
 408 61 9942-ABSTRACT HYPERFINE STRUCTURE OF PM-147. B. BUDICK AND R. MARRUS
 357 61 NUCLEAR SPIN OF NEDDYMIUM-141. S. S. ALPERT, B. BUDICK, E. LIPWORTH, AND R. MARRUS
 132 61 UCRL-9274 AN 1800-BIT BUFFER STORE AND READDUT SYSTEM. F. EVANS AND F. A. KIRSTEN
 323 61 UCRL-9706 ON THE GENTLE ART OF HUNTING BUMPS IN THE PION HYPERON SYSTEM. L. T. KERTH AND A. PAIS

300 61 SORS IN ELECTRON HYDROGEN ATOM SCATTERING. P. G. BURKE AND H. M. SCHEY
 308 61 ELECTRONS BY ATOMIC HYDROGEN. P. G. BURKE, V. M. BURKE, AND H. M. SCHEY
 271 61 CROSS SECTION. J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
 274 61 INTERACTIONS. J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
 308 61 CATTERING OF ELECTRONS BY ATOMIC HYDROGEN. P. G. BURKE, V. M. BURKE, AND H. M. SCHEY
 315 61 SYMMETRY OF K-POSITIVE AND K-NEUTRAL MESONS. J. BUTTON, F. CRAWFORD, M. L. STEVENSON ET AL
 409 61 XI PLUS K-MESON AT 1.2 BEV/C. L. W. ALVAREZ, J. BUTTON, G. R. KALBFLEISCH, D. H. MILLER, A. H. ROSENFELD, M. L
 281 61 HMITZ, L. J. LLOYD, W. LASKER, F. S. CROWFORD, J. BUTTON, J. A. ANDERSON, AND G. ALEXANDER
 073 61 UCRL-9746 CRYSTAL STRUCTURE OF BUTYRIC ACID. F. J. STRIETER AND D. H. TEMPLETON
 017 61 L-9718 METABOLIC STUDIES WITH FE-59, CA-47, AND C-11 IN VARIOUS DISEASES. T. SARGENT
 389 61 ANALYSIS OF THE TWO NUCLEON STRIPPING REACTION C-12 (HE-3, PROTON) N-14. J. CERNY, N. K. GLENDENNING, B. G.
 293 61 MEV ALPHA PARTICLES BY ALPHA PARTICLE CLUSTERS IN C-12. T. J. GOODING AND G. IGO
 025 61 UCRL-9825 THE METABOLISM OF C-14 RIBULOSE DIPHOSPHATE BY SPINACH CHLOROPLASTS. R. B. PARK
 084 61 IES IN HYDROGEN ADAPTED SCENEDESMUS USING H-3 AND C-14. R. A. GOLOSBY
 017 61 UCRL-9718 METABOLIC STUDIES WITH FE-59, CA-47, AND C-11 IN VARIOUS DISEASES. T. SARGENT
 205 61 EAR GROUND STATES IN THE RARE EARTH REGION. A. Y. CABEZAS, I. LINDGREN, AND R. MARRUS
 413 61 AK MOMENTS OF PRASEODYMIUM-142. R. MARRUS, A. Y. CABEZAS, I. LINDGREN, AND W. A. NIERENBERG
 189 61 EXPERIMENTS ON COLOR CENTERS IN CRESTMORE BLUE CALCITE. A. WIERSEMA
 462 61 METHYL AMMONIUM SOLUTIONS, PART 2. CRESTMORE BLUE CALCITE. L. R. DOYLE
 197 61 6 DISSOCIATION ENERGIES OF OXIDES OF MAGNESIUM, CALCIUM, STRONTIUM, AND BARIUM. I. V. VEITS AND L. V. GURVICH
 445 61 UCRL-8389 RELATIVISTIC SELF CONSISTENT CALCULATION FOR THE NORMAL MERCURY ATOM. S. COHEN
 098 61 UCRL-9973-ABSTRACT CALCULATION OF INTEGRAL AND PARTIAL THERMODYNAMIC FUNCTIONS FO
 457 61 UCRL-9552-ABSTRACT EXTENDED SHELL MODEL CALCULATIONS AND THE GIANT EL RESONANCE IN DEFORMED NUCLEI. S
 108 61 UCRL-9344 SOME CALCULATIONS ON TRIAX PINCH DEVICE. S. FISHER
 169 61 UCRL-9807 CALIBRATION OF BRIDGMAN ANVILS, A PRESSURE SCALE TO 125 KILOBA
 446 61 CTIVITY BY ANDREW M. SESSLER AT THE UNIVERSITY OF CALIFORNIA DURING THE SPRING SEMESTER OF 1960. J. M. CORNWALL
 175 61 THE TECHNICAL INFORMATION DIVISION, UNIVERSITY OF CALIFORNIA LAWRENCE RADIATION LABORATORY, BERKELEY, CALIFORNIA
 175 61 LIFORNIA LAWRENCE RADIATION LABORATORY, BERKELEY, CALIFORNIA
 176 61 IORNIA, LAWRENCE RADIATION LABORATORY, BERKELEY, CALIFORNIA
 176 61 THE TECHNICAL INFORMATION DIVISION, UNIVERSITY OF CALIFORNIA, LAWRENCE RADIATION LABORATORY, BERKELEY, CALIFORNIA
 060 61 RPTION AND SELF LUMINESCENCE SPECTRA OF TRIVALENT CALIFORNIUM (5F-9). J. G. CONWAY, J. B. GRUBER, E. K. HULET,
 358 61 UCRL-9776 THE EMISSION SPECTRUM OF CALIFORNIUM. J. G. CONWAY, E. K. HULET, AND R. J. MORROW
 096 61 OM ELECTRON IRRADIATION OF C14H4. C. PALM AND M. CALVIN
 002 61 THE ORIGIN OF LIFE ON EARTH AND ELSEWHERE. 2. M. CALVIN
 008 61 L-9533 QUANTUM CONVERSION IN PHOTOSYNTHESIS. M. CALVIN
 021 61 784 EVOLUTION OF PHOTOSYNTHETIC MECHANISMS. M. CALVIN
 024 61 GNETIC RESONANCE IN BIOLOGY. G. M. ANDROES AND M. CALVIN
 143 61 FEEDBACK EFFECTS OF EXTRINSIC COLLECTOR TO BASE CAPACITANCE IN TRANSISTOR AMPLIFIERS. L. SCOTT
 444 61 UCRL-6406-T-ABSTRACT THE LOW TEMPERATURE HEAT CAPACITIES OF ANTIFERROMAGNETIC COF2 AND MNF2. E. CATALANO AN
 062 61 UCRL-9659 CLOSE CAPTURE ADSORPTION SYSTEM FOR REMOTE RADIO- ISOTOPE CHEMISTRY.
 383 61 UCRL-9864 MU CAPTURE WITH SIX NUCLEON FORM FACTORS. J. B. ADAMS
 198 61 THE SHAPE OF PARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITSCH
 199 61 ON THE SHAPE OF PARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITSCH
 397 61 R REACTION CROSS SECTIONS FOR 10.3 MEV PROTONS ON CARBON AND COPPER. G. IGO AND B. WILKINS
 325 61 9710 SCATTERING OF 915 MEV ALPHA PARTICLES FROM CARBON AND HELIUM, DIRECT EVIDENCE FOR ALPHA PARTICLE CLUSTERI
 245 61 UCRL-9540 FISSION OF URANIUM-238 WITH CARBON IONS. T. SIKKELAND, A. E. LARSH, AND G. E. GORDON
 097 61 UCRL-9955 CRYSTAL STRUCTURE OF THE CARBON TETRABROMIDE PARA XYLENE COMPLEX. F. J. STRIETER AND D
 217 61 PARTICULATE RADIATION. ELECTRONS, PROTONS UP TO CARBON. C. A. TOBIAS AND R. WALLACE
 411 61 UCTION OF THE Y LAMBDA PION SYSTEM ON NEUTRONS IN CARBON. G. GIDAL, R. P. ELY, S. Y. FUNG, Y. L. PAN, W. M. POW
 216 61 PHOTOPROTONS PRODUCED BY 245 15 MEV GAMMA RAYS ON CARBON. R. J. CENCE AND B. J. MOYER
 091 61 RADIOACTIVITY IN MORPHINE FROM BIOSYNTHESIS WITH CARBON-14 DIOXIDE. H. RAPOPORT, N. LEVY, AND F. R. STERMITZ
 042 61 UCRL-9373 STUDIES ON THE CARBOXYDISMUTASE SYSTEM AND RELATED MATERIALS. N. G. PON
 290 61 290, 370, 427, AND 460 MEV. L. K. GOODWIN, J. C. CARIS, R. W. KENNEY, V. PEREZ-MENDEZ, AND W. A. PERKINS III
 271 61 J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
 274 61 J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
 064 61 UCRL-9699 CARRIER FREE SEPARATION OF HAFNIUM FROM RARE EARTH OXIDES. M.
 299 61 NI AT 460 MEV. J. A. POIRIER, W. C. BOWMAN, J. B. CARROLL, AND M. PRIPSTEIN
 409 61 UCRL-9943-ABSTRACT CASCADE HYPERONS IN THE REACTION NEGATIVE K- MESON PLUS PROTON
 444 61 APACITIES OF ANTIFERROMAGNETIC COF2 AND MNF2. E. CATALANO AND N. E. PHILLIPS
 100 61 N OF DIALKYLPHOSPHITES, 2. GENERAL ACID- AND BASE CATALYSIS AT THE HYDROLYSIS OF DIETHYLPHOSPHITE. P. NYLEN
 123 61 UCRL-9899-ABSTRACT A HOLLOW CATHODE STRONTIUM PLASMA SOURCE. H. F. RUGGE, G. A. PAULIKAS,
 166 61 UCRL-9506 GLASS CATHODES IN VACUUM INSULATED HIGH-VOLTAGE SYSTEMS. J. J. MURR
 167 61 UCRL-9657 THE WATER SHIELDED CAVE FACILITY FOR TOTALLY ENCLOSED MASTER SLAVE OPERATIONS AT
 040 61 UCRL-9332 OXIDATION POTENTIAL OF THE CE(III), CE(IV) COUPLE AS A FUNCTION OF TEMPERATURE IN PERCHLO
 030 61 UCRL-9862 RED CE(IV) COUPLE AS A FUNCTION OF TEMPERATURE IN PERCHLORIC ACID
 016 61 THE FINE STRUCTURE OF NORMALIZED IRRADIATED YEAST CELLS AND YEAST RIBOSOMES. J. K. KOEHLER
 216 61 ODUCE BY 245 15 MEV GAMMA RAYS ON CARBON. R. J. CENCE AND B. J. MOYER
 399 61 PROTON COLLISIONS AT 735 MEV. G. D. MEAD, R. J. CENCE D. L. LIND, AND B. J. MOYER
 398 61 A WITH GOOD RESOLUTION FROM 30 TO 600 MEV. R. J. CENCE, D. L. LIND, G. D. MEAD, AND B. J. MOYER
 462 61 ONANCE ABSORPTION OF TWO SOLID STATE PARAMAGNETIC CENTERS, PART 1. FROZEN TETRAMETHYL AMMONIUM SOLUTIONS, PART 2
 156 61 UCRL-9901-ABSTRACT A LIQUID HYDROGEN CERENKOV COUNTER. C. M. YORK, J. A. KADYK, AND T. F. ZIPF
 171 61 -9839 A DIFFUSE REFLECTION COATING FOR USE WITH CERENKOV COUNTERS. G. L. SCHNURMACHER
 327 61 LEON TRANSFER REACTIONS IN THE LIGHT ELEMENTS. J. CERNY
 238 61 ALPHA, DEUTERON REACTIONS ON ODD-ODD TARGETS. J. CERNY, B. G. HARVEY, AND R. H. PEHL
 389 61 STRIPPING REACTION C-12 (HE-3, PROTON) N-14. J. CERNY, N. K. GLENDENNING, B. G. HARVEY, R. H. PEHL, AND E. RIV
 371 61 UCRL-9822 STOPPING OF CF-252 FISSION FRAGMENTS IN EMULSION. K. D. SEVIER
 420 61 9231 AUTOMATIC SCANNING AND MEASURING OF BUBBLE CHAMBER PHOTOGRAPHS. A. GRASSELLI
 427 61 738 ANTIPROTON EXPERIMENTS IN A HYDROGEN BUBBLE CHAMBER. F. SOLMITZ
 222 61 T 310 MEV. PHASE SHIFT ANALYSIS. J. H. FOOTE, D. CHAMBERLAIN, E. H. ROGERS, AND H. M. STEINER
 223 61 EV. RECOIL NUCLEON POLARIZATION. J. H. FOOTE, D. CHAMBERLAIN, E. H. ROGERS, H. M. STEINER, C. E. WIEGAND, AND T
 354 61 THE MOMENTUM REGION 630 MEV/C TO 1100 MEV/C. D. CHAMBERLAIN, K. M. CROWE, D. KEEFE, L. T. KERTH, A. LEMONICK,
 402 61 CT NUCLEAR SPIN OF AG-112. W. B. EWBANK, Y. D. CHAN, AND H. A. SHUGART
 403 61 ABSTRACT NUCLEAR SPIN OF ISOMERIC AU-196. Y. W. CHAN, W. B. EWBANK, W. A. NIERENBERG, AND H. A. SHUGART
 136 61 UCRL-9522-ABSTRACT INSTRUMENTS OF MULTI CHANNEL COUNTER EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 152 61 UCRL-9843 NINE CHANNEL POLYCHROMATOR FOR OBSERVATION OF TIME DEPENDENT SPECTR
 112 61 AGNETIC FIELD ON NATURAL CONVECTION IN A TOROIDAL CHANNEL. P. CONCUS
 133 61 DETECTORS AND ITS INFLUENCE ON ENERGY RESOLUTION CHARACTERISTICS. F. S. GOULDING AND W. L. HANSEN
 367 61 UCRL-9811 CAN MASSLESS PARTICLES BE CHARGED. K. M. CASE AND S. G. GASIOROWICZ
 015 61 UCRL-9698-ABSTRACT CHEMICAL ACTIONS OF IONIZING RADIATION ON PROTEIN IN SOLUTION
 058 61 UCRL-9603 THE CHEMICAL INTERACTION OF ACCELERATED CARBON-14 IONS WITH BENZEN
 061 61 ACT EFFECTS OF N-ACYL SUBSTITUTION ON RADIATION CHEMICAL PROPERTIES OF THE ALPHA AMINO ACID. B. M. WEEKS, M. K
 081 61 UCRL-9801 CHEMICAL REACTIONS IN CROSSED MOLECULAR BEAMS. D. R. HERSCHBA
 065 61 UCRL-9700 INTERPRETATION OF THE INSOMERIC CHEMICAL SHIFTS IN AU-197. D. A. SHIRLEY

048 61 UCRL-9530-ABSTRACT ISOMERIC CHEMICAL SHIFTS IN ODD PROTON NUCLEI. D. A. SHIRLEY
 053 61 UCRL-9572 TEMPERATURE DEPENDENT CHEMICAL SHIFTS IN THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF G
 336 61 ONANCE STUDIES, PART 1. H-1 TEMPERATURE DEPENDENT CHEMICAL SHIFTS, PART 2. F-19 SPIN-SPIN COUPLINGS. L. PETRAKI
 045 61 UCRL-9501 THE USE OF ELECTRIC DISCHARGES IN CHEMICAL SYNTHESIS. W. L. JOLLY
 019 61 OF ENVIRONMENTAL COMPLEXITY AND TRAINING ON BRAIN CHEMISTRY AND ANATOMY, A REPLICATION AND EXTENSION. M. R. ROS
 026 61 UCRL-9826 RELATIONS BETWEEN BRAIN CHEMISTRY AND PROBLEM SOLVING, AMONG RATS RAISED IN ENRICHED A
 051 61 UCRL-9566 CHEMISTRY DIVISION ANNUAL REPORT, 1961.
 007 61 UCRL-9519, UCRL-9652, UCRL-9772 BIO ORGANIC CHEMISTRY QUARTERLY REPORT.
 062 61 PTURE ADSORPTION SYSTEM FOR REMOTE RADIO- ISOTOPE CHEMISTRY. N. C. SPENCER, T. C. PARSONS AND P. W. HOWE
 096 61 UCRL-9934 PRIMORDIAL ORGANIC CHEMISTRY. I. COMPOUNDS RESULTING FROM ELECTRON IRRADIATION OF
 428 61 NEUTRONS. L. I. KOROTKOV, I. V. SIVINTSEV, V. N. CHERNYSHEVICH
 317 61 THE S-MATRIX THEORY OF STRONG INTERACTION. G. F. CHEW AND S. C. FRAUTSCHI
 233 61 MOMENTUM TRANSFERS BUT ARBITRARY ENERGIES. G. F. CHEW AND S. C. FRAUTSCHI
 236 61 HIGH AND LOW ENERGY STRONG INTERACTIONS. G. F. CHEW
 341 61 UCRL-9740 THE PION-PION INTERACTION. G. F. CHEW
 475 61 THE S-MATRIX THEORY OF STRONG INTERACTIONS. G. F. CHEW
 469 61 THE MAGNETIC PROPERTIES OF DEFORMED NUCLEI. L. CHIAO
 344 61 ERACTION AT 455-MEV. T. F. STUBBS, H. BRADNER, W. CHINOWSKY, G. GOLDBABER, S. GOLDBABER, W. SLATER, D. M. STORK,
 380 61 W. SLATER, D. H. STORK, H. K. TICHQ, W. LEE, W. CHINOWSKY, G. GOLDBABER, S. GOLDBABER, AND T. DHALLORAN
 401 61 IPROTON, PROTON ANNIHILATIONS AT REST. W. LEE, W. CHINOWSKY, G. GOLDBABER, AND S. GOLDBABER
 416 61 ION OF THE REACTION NEUTRON, GAMMA RAY ON NATURAL CHLORINE. N. T. KASHUKEEV, I. P. POPOV, AND F. L. SHAPIRO
 034 61 D ELECTRON SPIN RESONANCE (SIGNAL) IN CRYSTALLINE CHEROUPHYLL IN THE PRESENCE OF WATER VAPOR. V. E. KHOLMOGOROV
 025 61 ETABOLISM OF C-14 RIBULOSE DIPHOSPHATE BY SPINACH CHLOROPLASTS. R. B. PARK AND N. G. PON
 027 61 UCRL-9827 EFFECTS OF AGE OF TRAINING ON CHOLINESTERASE ACTIVITY IN THE BRAINS OF MAZE BRIGHT RATS. J.
 242 61 IO FOR THE ALPHA, PROTON NEUTRON REACTION. G. R. CHOPPIN AND T. SIKKELAND
 067 61 CRYSTAL STRUCTURE AND HYDROGEN BONDING OF SODIUM CHROMATE TETRAHYDRATE. D. H. TEMPLETON, H. W. RUBEN, AND I. O
 044 61 UCRL-9499 GAS CHROMATOGRAPHIC ANALYSIS OF FATTY ACIDS FROM DIALYSED LIPOPROT
 052 61 D FATTY ACID COMPOSITION BY EXTENDED SILICIC ACID CHROMATOGRAPHY. G. J. NELSON
 038 61 BETA PARTICLE RADIATION DETECTOR FOR GAS- LIQUID CHROMATOGRAPHY. F. T. UPHAM, F. T. LINDGREN, AND A. V. NICHOLS
 054 61 ALTERING IN CROSSED MOLECULAR BEAMS. K ATOMS WITH CH31 AND C2H51. D. R. HERSCHBACH, G. H. KWEI, AND J. A. NORRI
 129 61 CRL-9272 A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN NANOSECOND PULSES. S. C. BAKER
 130 61 9272-REV A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN-NANOSECOND PULSES. S. C. BAKER
 126 61 UCRL-9035-REV CURRENT SWITCHING CIRCUITRY. J. G. SALVADOR AND D. O. PEDERSON
 078 61 MICROWAVE SPECTRUM AND QUADRUPOLE INTERACTION IN CIS-1, 2- DICHLORODETHYLENE. W. H. FLYGARE AND J. A. HOWE
 314 61 UCRL-9679 CLEBSCH GORDAN COEFFICIENTS FOR NUCLEAR TRANSITION PROBABILITI
 325 61 ON AND HELIUM, DIRECT EVIDENCE FOR ALPHA PARTICLE CLUSTERING IN NUCLEI. T. J. GOODING AND G. IGO
 293 61 RING OF 920 MEV ALPHA PARTICLES BY ALPHA PARTICLE CLUSTERS IN C-12. T. J. GOODING AND G. IGO
 102 61 OF FERMENTS IN CONNECTION WITH THEIR BEHAVIOR IN COACERVATES. V. P. SLOBODSKAIA AND A. G. PASYNSKII
 162 61 UCRL-8733 COALESCENCE AND DISPERSION RATES IN AGITATED LIQUID-SYST
 171 61 UCRL-9839 A DIFFUSE REFLECTION COATING FOR USE WITH CERENKOV COUNTERS. G. L. SCHNURMACHER
 066 61 TRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, D. H. TEMPLETON, AND H
 082 61 UCRL-9802 THE CRYSTAL STRUCTURE OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, H. RUBEN, AND D. H. TE
 444 61 TEMPERATURE HEAT CAPACITIES OF ANTIFERROMAGNETIC COF2 AND MNF2. E. CATALANO AND N. E. PHILLIPS
 445 61 TENT CALCULATION FOR THE NORMAL MERCURY ATOM. S. COHEN
 129 61 UCRL-9272 A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN NANOSECOND PULSES.
 130 61 UCRL-9272-REV A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN-NANOSECOND PULSES.
 031 61 NIC SYSTEMS. W. M. GARRISON, B. M. WEEKS, AND S. COLE
 143 61 CRL-9646-ABSTRACT FEEDBACK EFFECTS OF EXTRINSIC COLLECTOR TO BASE CAPACITANCE IN TRANSISTOR AMPLIFIERS. L. SCO
 394 61 SINGLE PION PRODUCTION IN NEGATIVE PION PROTON COLLISIONS AT 380 MEV. B. C. BARISH, R. J. KURZ, V. PEREZ-MEN
 399 61 RACT NEUTRAL MESON PRODUCTION IN PROTON- PROTON COLLISIONS AT 735 MEV. G. D. MEAD, R. J. CENCE D. L. LIND, AN
 329 61 E ANOMALY IN MESON PRODUCTION IN PROTON, DEUTERON COLLISIONS. N. E. BOOTH, A. ABASHIAN, AND K. M. CROWE
 304 61 PRODUCTION AND DECAY IN NEGATIVE K-MESON, PROTON COLLISIONS. R. H. DALITZ AND D. H. MILLER
 189 61 UCRL-9494 EXPERIMENTS ON COLOR CENTERS IN CRESTMURE BLUE CALCITE. A. WIERSEMA
 486 61 UCRL-9920-ABSTRACT COLOR PRODUCTION FROM ENERGETIC IONS IMPINGING ON METALS. K.
 113 61 UCRL-9588 THE POSITIVE COLUMN IN A LONGITUDINAL MAGNETIC FIELD. G. A. PAULIKAS
 120 61 RL-9682 MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
 121 61 682-REV MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
 090 61 LONGITUDINAL DISPERSION IN PACKED GAS ABSORPTION COLUMNS. T. T. WORD
 097 61 STRUCTURE OF THE CARBON TETRABROMIDE PARA XYLENE COMPLEX. F. J. STRIETER AND D. TEMPLETON
 019 61 UCRL-9770 EFFECTS OF ENVIRONMENTAL COMPLEXITY AND TRAINING ON BRAIN CHEMISTRY AND ANATOMY, A REPL
 330 61 TS OF ANGULAR MOMENTUM ON GAMMA-RAY PRODUCTION IN COMPOUND NUCLEUS REACTIONS. J. F. MOLLENAUER
 096 61 UCRL-9934 PRIMORDIAL ORGANIC CHEMISTRY. I. COMPOUNDS RESULTING FROM ELECTRON IRRADIATION OF C14H4. C. PA
 050 61 -FLUORINE COUPLING CONSTANTS IN SATURATED ORGANIC COMPOUNDS. L. PETRAKIS AND C. H. SEDERHOLM
 001 61 OF THE METABOLIC FATE OF THE RADIATION PROTECTIVE COMPOUNDS, S,2 AMINO ETHYLISOTHIURONIUM BROMIDE, AET, IN THE R
 074 61 UCRL-9748 A COMPUTER ANALYSIS FOR COMPLEX SODIUM IODIDE GAMMA SPECTRA. J.
 188 61 UCRL-9727 OPTIK, AN IBM 709 COMPUTER PROGRAM FOR THE OPTICS OF HIGH ENERGY PARTICLE BEAMS.
 112 61 ON NATURAL CONVECTION IN A TOROIDAL CHANNEL. P. CONCUS
 134 61 RABLE TRANSFORMER MEASURES DIRECT CURRENT THROUGH CONDUCTORS IN THE VICINITY OF LARGE STRAY MAGNETIC FIELDS. A.
 429 61 UCRL-9343 INTERNATIONAL CONFERENCE ON INSTRUMENTATION FOR HIGH ENERGY PHYSICS, HELD AT
 386 61 UCRL-9868 DOUBLE TENSOR OPERATORS FOR CONFIGURATION OF EQUIVALENT ELECTRONS. B. R. JUDD
 379 61 UCRL-9857 EVIDENCE CONFIRMING THE T=ZERO THREE PION RESONANCE. N. H. XUONG AND G
 310 61 AT 1.61 BEV/C AND THEIR USE FOR A TEST OF CHARGE CONJUGATION INVARIANCE IN STRONG INTERACTIONS. N. XUONG, G. R
 480 61 UCRL-9792 ON CHARGE CONJUGATION. K. M. CASE
 040 61 ACID SOLUTIONS, THERMODYNAMIC PROPERTIES. H. L. CONLEY
 249 61 UCRL-9544 TEST OF ISOTOPIC SPIN CONSERVATION FROM AN EXPERIMENT LIMIT ON CROSS SECTION OF THE
 445 61 UCRL-8389 RELATIVISTIC SELF CONSISTENT CALCULATION FOR THE NORMAL MERCURY ATOM. S. COHEN
 382 61 UCRL-9863 A SELF CONSISTENT MODEL FOR NONLEPTONIC DECAYS OF SIGMA AND LAMBDA HY
 001 61 HYLISOTHIURONIUM BROMIDE, AET, IN THE RAT. F. P. CONTE
 487 61 UCRL-9922 GEOMETRIC FOUNDATIONS OF CONTINUUM MECHANICS. J. A. SIMMONS
 109 61 UCRL-9500, UCRL-9598, UCRL-9777 CONTROLLED THERMONUCLEAR RESEARCH, QUARTERLY REPORT.
 072 61 UCRL-9744 DOWNFLOW FORCED CONVECTION BOILING OF WATER IN UNIFORMLY HEATED TUBES. R. M.
 112 61 CRL-9574 EFFECTS OF A MAGNETIC FIELD ON NATURAL CONVECTION IN A TOROIDAL CHANNEL. P. CONCUS
 284 61 08 MEASUREMENTS OF E2 DECAY TRANSITION INTERNAL CONVERSION COEFFICIENTS. A DISCUSSION OF THE INTERNAL EXTERNAL
 463 61 UCRL-9608-REV MEASUREMENTS OF INTERNAL CONVERSION COEFFICIENTS. S. HULTBERG, D. J. HOREN, AND J. M.
 008 61 UCRL-9533 QUANTUM CONVERSION IN PHOTOSYNTHESIS. M. CALVIN
 284 61 EFFICIENTS. A DISCUSSION OF THE INTERNAL EXTERNAL CONVERSION METHOD. S. HULTBERG, D. J. HOREN, AND J. M. HOLLAN
 312 61 UCRL-9677 ON THE ABSENCE OF MUON- ELECTRON CONVERSION PROCESSES AND THE DELTA I EQUALS ONE-HALF RULE. S.
 155 61 HE PENETRATION EFFECT IN ELECTRIC DIPOLE INTERNAL CONVERSION. G. KRAMER AND S. G. NILSSON
 135 61 UCRL-9483 A PAPER TAPE TO MAGNETIC TAPE CONVERTER. L. F. FLORES
 458 61 EFFECT OF AM+3 IN LACL3. J. B. GRUBER, AND J. G. CONWAY
 466 61 XAGONAL SINGLE CRYSTALS. H. LAMMERMANN AND J. G. CONWAY
 358 61 76 THE EMISSION SPECTRUM OF CALIFORNIUM. J. G. CONWAY, E. K. HULET, AND R. J. MORROW
 060 61 E SPECTRA OF TRIVALENT CALIFORNIUM (SF-9). J. G. CONWAY, J. B. GRUBER, E. K. HULET, R. J. MORROW, AND R. C. GUT
 339 61 NEUTRON INTERACTION FROM 0.6 BEV TO 3.5 BEV. V. COOK, B. CORK, T. F. HOANG, D. KEEFE, L. T. KERTH, W. A. WENZE

209 61 S SECTIONS IN THE MOMENTUM RANGE 1 TO 4 BEV/C. V. COOK, B. CORK, T. F. HOANG ET AL
 268 61 500 ELECTRON MASSES AND 1400 ELECTRON MASSES. V. COOK, D. KEEFE, L. T. KERTH ET AL
 335 61 NS IN THE MOMENTUM REGION 0.77 TO 2.83 BEV/C. V. COOK, D. KEEFE, L. T. KERTH, P. G. MURPHY, W. A. WENZEL, AND T
 152 61 NT SPECTRAL LINE PROFILES. G. R. SPILLMAN, W. S. COOPER AND J. M. WILCOX
 111 61 DGEN PLASMA. J. M. WILCOX, A. W. DESILVA, W. S. COOPER III, P. PELLISSIER AND W. R. BAKER
 464 61 PAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
 465 61 OPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
 110 61 EASUREMENTS IN A DECAYING HYDROGEN PLASMA. W. S. COOPER, A. W. DESILVA, AND J. M. WILCOX
 452 61 E PROPAGATION. J. M. WILCOX, A. W. DESILVA, W. S. COOPER, AND F. I. BOLEY
 455 61 PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 456 61 E PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 036 61 CETYLACETONATE. GEOMETRY OF VANADIUM IN FIVE-FOLD COORDINATION. R. P. DODGE, D. H. TEMPLETON, AND A. ZALKIN
 453 61 TIONS AND PROPAGATION MODES. A. W. DESILVA, W. S. COOPER III, AND J. M. WILCOX
 397 61 CROSS SECTIONS FOR 10.3 MEV PROTONS ON CARBON AND COPPER. G. IGO AND B. WILKINS
 201 61 Y RANGE AND ENERGY-LOSS MEASUREMENTS IN ALUMINUM. COPPER, LEAD, URANIUM AND EMULSION. W. H. BARKAS AND S. VON F
 370 61 YELDS PROTON PLUS NEGATIVE PION. E. F. BEALL, B. CURK, D. KEEFE, P. G. MURPHY, ET AL
 298 61 IPROTON PROTON CROSS SECTIONS AT LOW ENERGY. B. CORK, O. I. DAHL, D. H. MILLER, A. G. TENNER, AND C. L. WANG
 439 61 THE BEVATRON MARK 2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
 440 61 R THE BEVATRON MARK-2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
 209 61 S IN THE MOMENTUM RANGE 1 TO 4 BEV/C. V. COOK, B. CORK, T. F. HOANG ET AL
 339 61 INTERACTION FROM 0.6 BEV TO 3.5 BEV. V. COOK, B. CORK, T. F. HOANG, D. KEEFE, L. T. KERTH, W. A. WENZEL, AND T.
 013 61 UCRL-9681 STIMULATION OF THE CORNEAL BLINKING REFLEX BY IONIZING RADIATION. C. TOBIAS, J. T.
 446 61 FORNIA DURING THE SPRING SEMESTER OF 1960. J. M. CORNWALL
 092 61 UCRL-9890 CORRESPONDING STATES THEORY FOR ARGON AND XENON. F. DANON AND
 337 61 734 PRODUCTION OF PION PAIRS BY A PHOTON IN THE COULOMB FIELD OF A NUCLEUS. Y. KIM
 131 61 L-9273 TEST ROUTINES AND MONITORING FOR A LARGE COUNTER EXPERIMENT. S. C. BAKER, Q. A. KERNS, F. A. KIRSTEN E
 136 61 UCRL-9522-ABSTRACT INSTRUMENTS OF MULTI CHANNEL COUNTER EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 157 61 976-ABSTRACT TIME RESOLUTION OF A SCINTILLATION COUNTER SYSTEM. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKE
 148 61 RL-9765 AN ALPHA AIR PROPORTIONAL HAND AND FOOT COUNTER. W. J. ROACH AND R. J. WALKER
 156 61 UCRL-9901-ABSTRACT A LIQUID HYDROGEN CERENKOV COUNTER. C. M. YORK, J. A. KADYK, AND T. F. ZIPF
 171 61 DIFFUSE REFLECTION COATING FOR USE WITH CERENKOV COUNTERS. G. L. SCHNURMACHER
 137 61 UCRL-9522 INSTRUMENTATION OF MULTICHANNEL COUNTING EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 365 61 UCRL-9809 ELECTRON TRACK COUNTING FOR BETA SPECTROSCOPY. K. D. SEVIER
 040 61 9332 OXIDATION POTENTIAL OF THE CE(III), CE(IV) COUPLE AS A FUNCTION OF TEMPERATURE IN PERCHLORIC ACID SOLUTIO
 240 61 F THE A-3(X3)3 NUCLEAR SPIN SYSTEM PION- ELECTRON COUPLED HYPERFINE SPLITTING CONSTANTS IN AROMATIC HYDROCARBONS
 050 61 65 NUCLEAR MAGNETIC RESONANCE FLUORINE-FLUORINE COUPLING CONSTANTS IN SATURATED ORGANIC COMPOUNDS. L. PETRAKIS
 336 61 DEPENDENT CHEMICAL SHIFTS, PART 2. F-19 SPIN-SPIN COUPLINGS. L. PETRAKIS
 483 61 UCRL-9804 DERIVATION OF THE CPT THEOREM AND THE CONNECTION BETWEEN SPIN AND STATISTICS FRO
 315 61 F K-POSITIVE AND K-NEUTRAL MESONS. J. BUTTON, F. CRAWFORD, M. L. STEVENSON ET AL
 346 61 70 AND 180 MEV. G. ALEXANDER, J. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. LLOYD
 385 61 ITH PROTONS. G. ALEXANDER, J. A. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. LLOYD
 316 61 RAGMENTS IN HIGH ENERGY NUCLEAR REACTIONS. V. P. CRESPO
 189 61 UCRL-9494 EXPERIMENTS ON COLOR CENTERS IN CRESTMORE BLUE CALCITE. A. WIERSEMA
 462 61 L. FROZEN TETRAMETHYL AMMONIUM SOLUTIONS, PART 2. CRESTMORE BLUE CALCITE. L. R. DOYLE
 362 61 UCRL-9789 RESPONSE OF THE OAK RIDGE CRITICALITY FISSION FOIL MONITOR. B. WAYLAND
 165 61 UCRL-9503 CROSS PRODUCT OF E AND B VECTORS DISCHARGE AS A SOURCE OF IONS
 292 61 UCRL-9628-ABSTRACT REACTION CROSS SECTION FOR 160 MEV O-16 IONS IN ALUMINUM BY THE ATTENUA
 335 61 UCRL-9732 TOTAL CROSS SECTION MEASUREMENTS OF POSITIVE K-MESON, PROTON AND POS
 418 61 RCH FOR ANOMALIES IN THE ENERGY DEPENDENCE OF THE CROSS SECTION OF REACTION PROTON PLUS PROTON YIELDS DEUTERON PL
 416 61 ANS-688 MEASUREMENT OF ENERGY DEPENDENCE OF THE CROSS SECTION OF THE REACTION NEUTRON, GAMMA RAY ON NATURAL CH
 249 61 PIC SPIN CONSERVATION FROM AN EXPERIMENT LIMIT ON THE CROSS SECTION OF THE REACTION, DEUTERON PLUS DEUTERON YIELDS AL
 271 61 UCRL-9577 EXPERIMENTAL RESULTS ON THE PION-PION CROSS SECTION. J. A. ANDERSON, V. X. BANG, P. G. BURKE, D. D.
 298 61 UCRL-9636-ABSTRACT ANTIPROTON PROTON CROSS SECTIONS AT LOW ENERGY. B. CORK, O. I. DAHL, D. H. MIL
 290 61 UCRL-9623-ABSTRACT TOTAL CROSS SECTIONS FOR NEGATIVE PIONS ON PROTONS AT 230, 290, 370,
 228 61 UCRL-9497 NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROTONS ABOVE 1.4 BEV/C.
 229 61 UCRL-9497-REV NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROTONS ABOVE 1.4-BEV/C.
 208 61 UCRL-9372 THE CROSS SECTIONS FOR THE FORMATION OF ASTATINE ISOTOPES MADE BY
 397 61 UCRL-9906-ABSTRACT NUCLEAR REACTION CROSS SECTIONS FOR 10.3 MEV PROTONS ON CARBON AND COPPER. G.
 202 61 UCRL-8966-REV 5-BEV NEUTRON CROSS SECTIONS IN HYDROGEN AND OTHER ELEMENTS. J. H. ATKINSON
 209 61 IVE K-MESON, PROTON AND NEGATIVE K-MESON, NEUTRON CROSS SECTIONS IN THE MOMENTUM RANGE 1 TO 4 BEV/C. V. COOK, B.
 252 61 RL-9548 PION-POSITIVE-OR-NEGATIVE, PROTON TOTAL CROSS SECTIONS IN THE RANGE 450 MEV TO 1650 MEV. T. J. DEVLIN
 253 61 9548-REV PION POSITIVE AND NEGATIVE- PION TOTAL CROSS SECTIONS IN THE RANGE 450 TO 1650 MEV. T. J. DEVLIN, B.
 414 61 UCRL-TRANS-684 COMPLETE TOTAL SCATTER CROSS SECTIONS OF FAST NEUTRONS BY ARGON AND CRYPTON. V. P. VL
 354 61 UCRL-9762 MEASUREMENT OF TOTAL CROSS SECTIONS OF NEGATIVE K- MESONS IN HYDROGEN AND DEUTERIUM
 242 61 UCRL-9534 ISOMERIC CROSS-SECTION RATIO FOR THE ALPHA, PROTON NEUTRON REACTION. G
 081 61 UCRL-9801 CHEMICAL REACTIONS IN CROSSED MOLECULAR BEAMS. D. R. HERSCHBACH
 054 61 UCRL-9576 REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS. K ATOMS WITH CH31 AND C2H51. D. R. H
 012 61 UCRL-9676-ABSTRACT TEMPERATURE SHOCK AND CROSSING OVER IN FERTILIZED EGGS OF DROSOPHILA MELANOGASTER.
 258 61 DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. K. M. CROWE AND H. KRUGER
 329 61 COLLISIONS. N. E. BOOTH, A. ABASHIAN, AND K. M. CROWE
 354 61 N 630 MEV/C TO 1100 MEV/C. O. CHAMBERLAIN, K. M. CROWE, D. KEEFE, L. T. KERTH, A. LEMONICK, T. MAUNG, AND T. F.
 281 61 WOLF, N. SCHMITZ, L. J. LLOYD, W. LASKER, F. S. CROWFORD, J. BUTTON, J. A. ANDERSON, AND G. ALEXANDER
 472 61 SITIVE DIFFERENTIAL PRESSURE SYSTEM FOR MEASURING CRYOGENIC LIQUID DEPTHS. W. L. POPE AND E. F. MCLAUGHLIN
 414 61 TTER CROSS SECTIONS OF FAST NEUTRONS BY ARGON AND CRYPTON. V. P. VLASENKO, I. A. GRITS, D. E. KHULELIDZE, ET AL
 093 61 UCRL-9893 CRYSTAL AND MOLECULAR STRUCTURE OF TRIETHYLSCARPHANE. T. N. M
 066 61 UCRL-9702-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF COBALT SULFATE HEXAH
 067 61 UCRL-9703-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF SODIUM CHROMATE TETR
 473 61 UCRL-9695 CRYSTAL STRUCTURE AND PHYSICAL PROPERTIES OF AMERICIUM METAL.
 073 61 UCRL-9746 CRYSTAL STRUCTURE OF BUTYRIC ACID. F. J. STRIETER AND D. H. TE
 082 61 UCRL-9802 THE CRYSTAL STRUCTURE OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, H
 068 61 UCRL-9705 CRYSTAL STRUCTURE OF PROPIONIC ACID. F. J. STRIETER AND D. H.
 097 61 UCRL-9955 CRYSTAL STRUCTURE OF THE CARBON TETRABROMIDE-PARA XYLENE COM
 036 61 UCRL-8225-REV CRYSTAL STRUCTURE OF VANADYL BISACETYLACETONATE. GEOMETRY OF
 190 61 UCRL-9502 SINGLE CRYSTAL TUNGSTEN RIBBON. F. L. REYNOLDS
 034 61 LIGHT-INDUCED ELECTRON SPIN RESONANCE (SIGNAL) IN CRYSTALLINE CHLOROPHYLL IN THE PRESENCE OF WATER VAPOR. V. E.
 466 61 -5/2 GOES TO J EQUALLING 11/2 IN HEXAGONAL SINGLE CRYSTALS. H. LAMMERMANN AND J. G. CONWAY
 194 61 UCRL-9647 MARTENSITE IN CU-12.0 PERCENT AL ALLOY. G. THOMAS AND M. C. HOFFSTUTLER
 488 61 UCRL-TRANS-683 STUDY OF THE STABILITY OF A HIGH CURRENT DISCHARGE IN HYDROGEN AT LOW INTENSITIES OF THE ELECTR
 133 61 UCRL-9436 LEAKAGE CURRENT IN SEMICONDUCTOR JUNCTION RADIATION DETECTORS AND ITS
 126 61 UCRL-9035-REV CURRENT SWITCHING CIRCUITRY. J. G. SALVADOR AND D. D. PEDERSON
 134 61 464 A NEW SATURABLE TRANSFORMER MEASURES DIRECT CURRENT THROUGH CONDUCTORS IN THE VICINITY OF LARGE STRAY MAGN
 281 61 UCRL-9604 THE CUSP IN LAMBDA, K-MESON PRODUCTION AT SIGMA, K-MESON THRESHOLD
 071 61 UCRL-9725 RADIODLYTIC REACTIONS OF THE CYCLIC DIPEPTIDES IN AQUEOUS SOLUTION. M. KLAND-ENGLISH, W. BE
 043 61 VES IN THE RADIOLYSIS OF AQUEOUS SOLUTIONS OF THE CYCLIC DIPEPTIDES. M. KLAND-ENGLISH AND W. M. GARRISON

437 61 UCRL-9663 DISMANTLING ENCLOSURE FOR EXTERNAL CYCLOTRON TARGETS AT THE 60-INCH CYCLOTRON. G. L. WIGLE, N.
 442 61 UCRL-TRANS-685 A CYCLOTRON WITH AN ALTERNATING MAGNETIC FIELD FOR MULTIPLE CHAR
 437 61 URE FOR EXTERNAL CYCLOTRON TARGETS AT THE 60-INCH CYCLOTRON. G. L. WIGLE, N. C. SPENCER, AND E. W. FLEISCHER
 430 61 16 PRELIMINARY STUDIES ON BEAM PROGRAMMING IN A CYCLOTRON. H. A. WILLAX
 436 61 UCRL-9632 CYCLOTRONS. B. H. SMITH
 096 61 COMPOUNDS RESULTING FROM ELECTRON IRRADIATION OF C₁₄H₄. C. PALM AND M. CALVIN
 054 61 IN CROSSED MOLECULAR BEAMS. K ATOMS WITH CH₃I AND C₂H₅I. D. R. HERSCHBACH, G. H. KWEI, AND J. A. NORRIS
 083 61 DETAILS OF THE ACTION OF ACETOBACTER SUBOXYDANS ON D- ARABITOL, RIBITOL AND OTHER POLYHYDROXY COMPOUNDS. V. MOSE
 083 61 UCRL-9805 THE BIOCHEMICAL SYNTHESIS OF D- XYLULOSE AND L- RIBULOSE, DETAILS OF THE ACTION OF ACETOBAC
 298 61 ON CROSS SECTIONS AT LOW ENERGY. B. CORK, O. I. DAHL, D. H. MILLER, A. G. TENNER, AND C. L. WANG
 301 61 TH RESONANCE OF ONE. J. P. BERGE, P. BASTIEN, O. DAHL, M. FERRO-LUZZI, J. KIRZ, D. H. MILLER, J. J. MURRAY, A.
 297 61 E S WAVE SIGMA-NEGATIVE, NEUTRON INTERACTION. O. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND J. SCHWARTZ
 257 61 GATIVE K-MESONS IN DEUTERIUM AND HYDROGEN. O. I. DAHL, N. HORWITZ, D. H. MILLER, AND J. J. MURRAY
 235 61 LDS LAMBDA PLUS NEGATIVE-PION PLUS PROTON. O. I. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND P. G. WHITE
 338 61 NEGATIVE K- MESON INTERACTION IN DEUTERIUM. O. DAHL, N. HORWITZ, D. MILLER, J. MURRAY, AND M. WATSON
 304 61 AY IN NEGATIVE K-MESON, PROTON COLLISIONS. R. H. DALITZ AND D. H. MILLER
 248 61 ION OF THE 1385-MEV PION, LAMBDA RESONANCE. R. H. DALITZ
 272 61 ONG INTERACTIONS OF THE STRANGE PARTICLES. R. H. DALITZ
 164 61 UCRL-9487 ELECTRODE DAMAGE CAUSED BY SPARKS IN VACUUM. C. A. HARRIS
 076 61 MOLECULAR PROPERTIES TO THE ACENTRIC FACTOR. F. DANON AND K. S. PITZER
 092 61 RESPONDING STATES THEORY FOR ARGON AND XENON. F. DANON AND K. S. PITZER
 128 61 UCRL-9271 AN ELECTRONIC DATA-ACQUISITION SYSTEM FOR USE WITH A COMPLEX NUCLEAR PHYSICS
 479 61 SUPERCONDUCTIVITY OF NB-25A/D ZR ALLOY IN HIGH DC MAGNETIC FIELDS. P. R. ARON, AND H. C. HITCHCOCK
 384 61 66 A NEW DETERMINATION OF THE POSITIVE K- MESON DECAY BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L. BROWN,
 247 61 UCRL-9542-ABSTRACT A REFINEMENT OF ALPHA DECAY BRANCHING RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI. J.
 304 61 BOSE STATISTICS AND LAMBDA, PION PRODUCTION AND DECAY IN NEGATIVE K-MESON, PROTON COLLISIONS. R. H. DALITZ AN
 393 61 N YIELDS POSITRON PLUS NEUTRAL PION PLUS NEUTRINO DECAY INTERACTION. J. L. BROWN, J. A. KADYK, G. H. TRILLING, R
 265 61 EORY OF WEAK INTERACTIONS. PART 1. RADIATIVE PION DECAY INTO ELECTONS. PART 2. ELECTRO MAGNETIC PROPERTIES OF A
 319 61 UCRL-9689 DECAY MEASUREMENTS IN EMULSION ON PARTICLES OF NEGATIVE STRANG
 322 61 UCRL-9693 SIGMA DECAY MODES OF THE PION HYPERON RESONANCES. P. BASTIEN, M. FE
 334 61 UCRL-9731 THE DECAY OF HF-173. J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDE
 374 61 UCRL-9836 DECAY OF NEUTRAL PIONS. H. SHWE, F. M. SMITH, AND W. H. BARKA
 282 61 UCRL-9605 EVIDENCE FOR LOW RATES FOR BETA DECAY OF SIGMA-NEGATIVE AND LAMBDA HYPERONS. W. E. HUMPHREY,
 287 61 RL-9614 GENERATION OF THREE BODY PRODUCTION AND DECAY PROCESSES FOLLOWING PHASE SPACE DISTRIBUTION BY MONTE CA
 352 61 UCRL-9758 THE ALPHA DECAY SCHEME OF 152 YEAR AM-242M. F. ASARO, M. C. MICHEL, S. G
 234 61 UCRL-9511 ALPHA DECAY STUDIES IN THE FAMILIES OF THE LIGHT URANIUM ISOTOPIES.
 284 61 UCRL-9608 MEASUREMENTS OF E2 DECAY TRANSITION INTERNAL CONVERSION COEFFICIENTS. A DISCUSSIO
 206 61 22 MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. H. KRUGER
 258 61 CT MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. K. M. CROWE AND H. KRUGER
 218 61 UCRL-9450 CHARGED SIGMA-HYPERON PRODUCTION AND DECAY. ENERGETICS, LIFETIMES, AND BRANCHING RATIOS. J. N. DYE
 400 61 UCRL-9914-ABSTRACT PION-PION CORRELATION IN TAU DECAY. T. A. O'HALLORAN, G. GOLDBERGER, AND S. GOLDBERGER
 237 61 UCRL-9524 DECAY-ENERGY SYSTEMATICS OF THE HEAVY ELEMENTS. I. PERLMAN AND
 110 61 UCRL-9509 ION DENSITY MEASUREMENTS IN A DECAYING HYDROGEN PLASMA. W. S. COOPER, A. W. DESILVA, AND J.
 260 61 V-ABSTRACT EVIDENCE FOR LOW RATES OF ELECTRONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD,
 259 61 UCRL-9558-ABSTRACT LEPTONIC DECAYS OF POSITIVE SIGMA YIELDS PROTON PLUS NEUTRAL PION AND NEUT
 370 61 UCRL-9820 ASYMMETRY PARAMETERS IN THE DECAYS. M. FERRO-LUZZI, D. H. MILLER, J. J. MURRAY, A. H. ROS
 363 61 UCRL-9798 ANALYSIS OF 1347 NEGATIVE-PION DECAYS. M. FERRO-LUZZI, D. H. MILLER, J. J. MURRAY, A. H. ROS
 376 61 UCRL-9851-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF FRANCIUM. R. D. GRIFFIEN AND R.
 377 61 UCRL-9852-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF OF ERBIUM. R. D. MACFARLANE AND R
 193 61 UCRL-9593 DISLOCATION SUBSTRUCTURES IN DEFORMED AND RECOVERED MOLYBDENUM. R. BENSON, G. THOMAS, AND
 355 61 UCRL-9764 SCATTERING IN THE K=0 BAND OF ODD-ODD DEFORMED NUCLEI. N. D. NEWBY
 457 61 MODEL CALCULATIONS AND THE GIANT EL RESONANCE IN DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDEN
 469 61 UCRL-9648 THE MAGNETIC PROPERTIES OF DEFORMED NUCLEI. L. CHIAO
 294 61 DUAL INTERACTIONS IN SPECTRA OF ODD-A AND ODD-ODD DEFORMED NUCLEI. N. K. GLENDENNING AND S. G. NILSSON
 364 61 UCRL-9803 THE GIANT E1 RESONANCE FOR DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDENN
 127 61 70 A SOLID-STATE CHRONOTRON FOR DIGITIZING TIME DELAYS. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
 312 61 CE OF MUON- ELECTRON CONVERSION PROCESSES AND THE DELTA I EQUALS ONE-HALF RULE. S. A. BLUDMAN
 003 61 DOSIMETRY FOR INVESTIGATING BIOLOGICAL EFFECTS OF DENSELY IONIZING RADIATIONS. T. BRUSTAD, P. ARIOTTI, AND J. L
 110 61 UCRL-9509 ION DENSITY MEASUREMENTS IN A DECAYING HYDROGEN PLASMA. W. S. COO
 426 61 UCRL-9692 THE GRAIN DENSITY OF EMULSION TRACKS. J. W. PATRICK AND W. H. BARKAS
 421 61 CHAMBER STATISTICS FOR THE DETERMINATION OF TRACK DENSITY. A. AHMADZADEH
 422 61 CHAMBER STATISTICS FOR THE DETERMINATION OF TRACK DENSITY. A. AHMADZADEH
 472 61 AL PRESSURE SYSTEM FOR MEASURING CRYOGENIC LIQUID DEPTHS. W. L. POPE AND E. F. MCLAUGHLIN
 243 61 LOW-ENERGY PION-PION S-WAVE PHASE SHIFTS. B. R. DESAI
 307 61 N INTERACTION, THE 2 PION, 2 GAMMA VERTEX. B. R. DESAI
 114 61 L STUDY OF HYDROMAGNETIC WAVES IN PLASMA. A. W. DESILVA
 110 61 A DECAYING HYDROGEN PLASMA. W. S. COOPER, A. W. DESILVA, AND J. M. WILCOX
 464 61 ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
 465 61 S ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
 455 61 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 456 61 3 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 111 61 LY IONIZED HYDROGEN PLASMA. J. M. WILCOX, A. W. DESILVA, W. S. COOPER III, P. PELLISSIER AND W. R. BAKER
 452 61 S ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, W. S. COOPER, AND F. I. BOLEY
 453 61 VEN WAVE REFLECTIONS AND PROPAGATION MODES. A. W. DESILVA, W. S. COPPER III, AND J. M. WILCOX
 038 61 RISTICS OF A STRONTIUM-90 BETA PARTICLE RADIATION DETECTOR FOR GAS- LIQUID CHROMATOGRAPHY. F. T. UPHAM, F. T. LI
 154 61 UCRL-9861 A FAST NEUTRON ACTIVATION DETECTOR FOR 14-MEV PULSED NEUTRON SOURCES. L. RUBY AND J. B.
 428 61 UCRL-TRANS-689 SCINTILLATION DETECTOR OF FAST NEUTRONS. L. I. KOROTKOV, I. V. SIVINTSEV, V.
 133 61 AKAGE CURRENT IN SEMICONDUCTOR JUNCTION RADIATION DETECTORS AND ITS INFLUENCE ON ENERGY RESOLUTION CHARACTERISTI
 140 61 UCRL-9538 THICK JUNCTION RADIATION DETECTORS MADE BY ION DRIFT. J. H. ELLIOTT
 139 61 S TO ENERGY RESOLUTION IN SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULDING
 138 61 NS TO ENERGY RESOLUTION IN SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULDING
 418 61 OSS SECTION OF REACTION PROTON PLUS PROTON YIELDS DEUTERON PLUS POSITIVE PION IN THE THRESHOLD REGION OF PAIR FOR
 257 61 556-ABSTRACT ABSORPTION OF NEGATIVE K-MESONS IN DEUTERIUM AND HYDROGEN. O. I. DAHL, N. HORWITZ, D. H. MILLER,
 354 61 S56-ABSTRACT ABSORPTION OF NEGATIVE K- MESONS IN DEUTERIUM IN THE MOMENTUM REGION 630 MEV/C TO 1100 MEV/C. D.
 226 61 RL-9491 PHOTOMESON PRODUCTION FROM HYDROGEN AND DEUTERIUM. R. W. KENNEY, E. A. KNAPP, V. PEREZ-MENDEZ, AND W.
 338 61 UCRL-9735 NEGATIVE K- MESON INTERACTION IN DEUTERIUM. O. DAHL, N. HORWITZ, D. MILLER, J. J. MURRAY, AND M. W.
 380 61 UCRL-9858 THE POSITIVE K- MESON, DEUTERON CHARGE EXCHANGE REACTION FROM 52 TO 456 MEV. W. SLATE
 329 61 9719 THE ANOMALY IN MESON PRODUCTION IN PROTON, DEUTERON COLLISIONS. N. E. HOOTH, A. ABASHIAN, AND K. M. CROW
 249 61 EXPERIMENT LIMIT ON CROSS SECTION OF THE REACTION, DEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION. J. A. P
 238 61 UCRL-9525 ALPHA, DEUTERON REACTIONS ON ODD-ODD TARGETS. J. CERNY, B. G. HARVEY,
 249 61 IT ON CROSS SECTION OF THE REACTION, DEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION. J. A. POIRIER AND M.
 299 61 ACT EXPERIMENTAL LIMIT FOR SIGMA (DEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION) AT 460 MEV. J. A. POI
 291 61 AK DISTRIBUTION IN THE PHOTODISINTEGRATION OF THE DEUTERON. G. KRAMER
 321 61 ARGE EXCHANGE SCATTERING OF POSITIVE K- MESONS ON DEUTERONS. W. LEE

286 61 UCRL-9610 THE ELASTIC SCATTERING OF 24-MEV DEUTERONS. D. G. HOFFMAN
 032 61 UCRL-9958 A PORTABLE DEVICE FOR CONSTANT INFUSION OF THE AMBULATORY PATIENT. R. JO
 111 61 UCRL-9528 A DEVICE FOR GENERATING A HIGHLY IONIZED HYDROGEN PLASMA. J. M
 108 61 UCRL-9344 SOME CALCULATIONS ON TRIAX PINCH DEVICES. S. FISHER
 163 61 UCRL-9298-REV USE OF PYROELECTRIC DEVICES FOR MEASURING SMALL TEMPERATURE CHANGES. S. B. LANG
 188 61 R THE OPTICS OF HIGH ENERGY PARTICLE BEAMS. T. J. DEVLIN
 252 61 SECTIONS IN THE RANGE 450 MEV TO 1650 MEV. T. J. DEVLIN
 253 61 OSS SECTIONS IN THE RANGE 450 TO 1650 MEV. T. J. DEVLIN, B. J. MOYER, AND V. PEREZ-MENDEZ
 289 61 , 600, 720, 900, AND 1020 MEV. C. D. WOOD, T. J. DEVLIN, J. A. HELLAND, M. J. LONGO, B. J. MOYER, AND V. PEREZ-
 449 61 UCRL-9441 LINKED DIAGRAM EXPANSION FOR THE EQUATION OF STATE OF A GAS OF MOLECU
 099 61 TRANS-679 THE KINETICS OF THE SAPONIFICATION OF DIALKYLPHOSPHITES 1. SAPONIFICATION WITH HYDROGEN- AND HYDROXY
 100 61 TRANS-680 THE KINETICS OF THE SAPONIFICATION OF DIALKYLPHOSPHITES, 2. GENERAL ACID- AND BASE CATALYSIS AT THE
 044 61 GAS CHROMATOGRAPHIC ANALYSIS OF FATTY ACIDS FROM DIALYSED LIPOPROTEINS. A. V. NICHOLS, C. S. REHNBERG, AND F.
 019 61 R. ROSENZWEIG, D. KRECH, E. L. BENNETT, AND M. C. DIAMOND
 241 61 DIUM ISOTOPES. IR-182, IR-183, AND IR-184. R. M. DIAMOND, J. M. HOLLANDER, D. J. HOREN ET AL
 395 61 - MESONIC ATOMS, TH-232, U-235, AND U-238. J. A. DIAZ, S. N. KAPLAN, AND R. V. PYLE
 078 61 SPECTRUM AND QUADRUPOLE INTERACTION IN CIS-1, 2-DICHLOROETHYLENE. W. H. FLYGARE AND J. A. HOWE
 085 61 CKL-9817 SIMPLE MOLECULAR ORBITAL THEORY OF THE DICHLOROETHYLENES. J. A. HOWE, J. S. MUIRHEAD, AND J. H. GOLD
 077 61 CRL-9785 MEASUREMENT OF INDEX OF REFRACTION AND DIELECTRIC CONSTANT FOR FREUN-13. W. N. HESS, R. L. MATHER, A
 459 61 UCRL-9559 STATISTICAL THEORY OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K.
 460 61 UCRL-9559-ADD STATISTICAL THEORY OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K.
 474 61 UCRL-9697 ELEMENTARY DERIVATION OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K.
 100 61 RAL ACID- AND BASE CATALYSIS AT THE HYDROLYSIS OF DIETHYLPHOSPHITE. P. NYLEN
 207 61 UCRL-9362 DIFFERENTIAL ELASTIC PION SCATTERING AT 600, 650, AND 7
 186 61 UCRL-9498 LINEAR PROGRAMMING APPLIED TO LINEAR DIFFERENTIAL EQUATIONS. J. D. YOUNG
 472 61 UCRL-9672 A SENSITIVE DIFFERENTIAL PRESSURE SYSTEM FOR MEASURING CRYOGENIC LIQUID DE
 278 61 AT 900 MEV. V. C. MAGLIC, B. T. FELD, AND C. A. DUFFEY
 161 61 UCRL-TRANS-733 DIFFRACTION LIGHT MODULATOR. A. M. BONCH-BRUEVICH AND V. A. M
 107 61 ELECTROSCOPIC AND PHOTOCHEMICAL MEASUREMENTS. X-RAY DIFFRACTION. L. PAOLONI
 171 61 UCRL-9839 A DIFFUSE REFLECTION COATING FOR USE WITH CERENKOV COUNTERS. G.
 484 61 UCRL-9818-ABSTRACT ELECTRON DRIFT AND DIFFUSION MEASUREMENTS IN HYDROGEN IN A TRANSVERSE STRONG MAGN
 415 61 UCRL-TRANS-687 THEORY OF THE DIFFUSION OF THERMAL NEUTRONS TAKING ACCOUNT OF VELOCITY DISTR
 168 61 CRL-9782 A HYPOTHESIS CONCERNING LIMITATIONS OF DIFFUSION PUMPS. P. B. KENNEDY
 127 61 UCRL-9270 A SOLID-STATE CHRONOTRON FOR DIGITIZING TIME DELAYS. A. E. BJERKE, Q. A. KERNS, AND T. A.
 088 61 -9840 THERMODYNAMIC PROPERTIES OF GASEOUS METAL DIHALIDES. L. BREWER, G. R. SOMAYAJULU, AND E. BRACKETT
 091 61 VITY IN MORPHINE FROM BIOSYNTHESIS WITH CARBON-14 DIOXIDE. H. RAPOPORT, N. LEVY, AND F. R. STERMITZ
 071 61 UCRL-9725 RADIOLYTIC REACTIONS OF THE CYCLIC DIPEPTIDES IN AQUEOUS SOLUTION. M. KLAND-ENGLISH, W. BENNETT,
 043 61 THE RADIOLYSIS OF AQUEOUS SOLUTIONS OF THE CYCLIC DIPEPTIDES. M. KLAND-ENGLISH AND W. M. GARRISON
 025 61 UCRL-9825 THE METABOLISM OF C-14 RIBULOSE DIPHOSPHATE BY SPINACH CHLOROPLASTS. R. B. PARK AND N. G. PON
 155 61 UCRL-9877 ON THE PENETRATION EFFECT IN ELECTRIC DIPOLE INTERNAL CONVERSION. G. KRAMER AND S. G. NILSSON
 165 61 UCRL-9503 THE CROSS PRODUCT OF E AND B VECTORS DISCHARGE AS A SOURCE OF IONS. K. W. EHLERS
 488 61 NS-683 STUDY OF THE STABILITY OF A HIGH CURRENT DISCHARGE IN HYDROGEN AT LOW INTENSITIES OF THE ELECTRICAL FIE
 045 61 UCRL-9501 THE USE OF ELECTRIC DISCHARGES IN CHEMICAL SYNTHESIS. W. L. JOLLY
 129 61 UCRL-9272 A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN NANOSECOND PULSES. S. C. BAKER
 130 61 UCRL-9272-REV A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN-NANOSECOND PULSES. S. C. BAKER
 142 61 UCRL-9624 FAST PULSE AMPLITUDE DISCRIMINATORS. D. A. MACK
 017 61 IC STUDIES WITH FE-59, CA-47, AND C-11 IN VARIOUS DISEASES. T. SARGENT
 193 61 UCRL-9593 DISLOCATION SUBSTRUCTURES IN DEFORMED AND RECOVERED MOLYBDENUM
 437 61 UCRL-9663 DISMANTLING ENCLOSURE FOR EXTERNAL CYCLOTRON TARGETS AT THE 60
 090 61 UCRL-9844 LONGITUDINAL DISPERSION IN PACKED GAS ABSORPTION COLUMNS. T. T. WORD
 255 61 UCRL-9553 KINEMATICS AND DISPERSION RELATIONS FOR GENERAL PRODUCTION PROCESSES. M. KRE
 162 61 UCRL-8733 COALESCENCE AND DISPERSION RATES IN AGITATED LIQUID-LIQUID SYSTEM. J. H. VANDE
 485 61 ON OF ASYMMETRIC HEAT FLOW AT THE INTERFACE OF THE DISSIMILAR METALS. J. S. MOON AND R. N. KEELER
 415 61 ON OF THERMAL NEUTRONS TAKING ACCOUNT OF VELOCITY DISTRIBUTION. M. V. KAZARNOVSKII AND F. L. SHAPIRO
 442 61 MAGNETIC FIELD FOR MULTIPLE CHARGED IONS. V. P. OMITRIEVSKII, B. T. ZAMULODCHIKOV, AND V. V. KOLGA
 036 61 TRY OF VANADIUM IN FIVE-FOLD COORDINATION. R. P. DODGE, D. H. TEMPLETON, AND A. ZALKIN
 080 61 795 THE PHOTOIONIZATION OF NITRIC OXIDE. J. P. DOERING AND B. H. MAHAN
 178 61 OPERTIES OF EASTMAN TYPE A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR TRACK FILM. R. L. LEHMAN
 018 61 SING INTERNALLY ADMINISTERED Y-90 DTPA, KINETICS, DOSIMETRY AND BIOLOGICAL EVALUATION. H. S. WINCHELL
 003 61 UCRL-9454 EXPERIMENTAL SETUP AND DOSIMETRY FOR INVESTIGATING BIOLOGICAL EFFECTS OF DENSELY IONI
 179 61 TO THE SYMPOSIUM ON SELECTED TOPICS IN RADIATION DOSIMETRY HELD AT THE INTERNATIONAL ATOMIC ENERGY AGENCY IN VI
 032 61 FUSION OF THE AMBULATORY PATIENT. R. JOHNSON, P. DOWLING, AND D. VAN DYKE
 072 61 UCRL-9744 DOWNFLOW FORCED CONVECTION BOILING OF WATER IN UNIFORMLY HEATE
 196 61 UCRL-9828 SHEET METAL CAN FURNACE. R. C. DOYLE AND W. D. PHILLIPS
 462 61 SOLUTIONS, PART 2. CRESTMERE BLUE CALCITE. L. R. DOYLE
 059 61 TIN, ARSENIC AND ANTIMONY. W. L. JOLLY AND J. E. DRAKE
 069 61 THE PREPARATION OF SOME GERMANIUM HYDRIDES. J. E. DRAKE
 484 61 UCRL-9818-ABSTRACT ELECTRON DRIFT AND DIFFUSION MEASUREMENTS IN HYDROGEN IN A TRANSVERSE S
 140 61 THICK JUNCTION RADIATION DETECTORS MADE BY ION DRIFT. J. H. ELLIOTT
 004 61 L-9495 GENETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
 005 61 95-REV GENETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
 012 61 URE SHOCK AND CROSSING OVER IN FERTILIZED EGGS OF DROSOPHILA MELANOGASTER. P. E. HILDRETH
 018 61 MPHATIC SYSTEM USING INTERNALLY ADMINISTERED Y-90 DTPA, KINETICS, DOSIMETRY AND BIOLOGICAL EVALUATION. H. S. WI
 232 61 UCRL-9508 NUCLEAR ORIENTATION OF DY-155 AND DY-157. Q. O. NAVARRO AND D. A. SHIRLEY
 232 61 UCRL-9508 NUCLEAR ORIENTATION OF DY-155 AND DY-157. Q. O. NAVARRO AND D. A. SHIRLEY
 218 61 ERGETICS, LIFETIMES, AND BRANCHING RATIOS. J. N. DYER
 319 61 LES OF NEGATIVE STRANGENESS. W. H. BARKAS, J. N. DYER, C. J. MASON, N. A. NICKOLS, AND F. M. SMITH
 032 61 TORY PATIENT. R. JOHNSON, P. DOWLING, AND D. VAN DYKE
 331 61 UCRL-9728 A UNIFIED DYNAMICAL APPROACH TO HIGH- AND LOW-ENERGY STRONG INTERACTIONS
 236 61 UCRL-9515 A UNIFIED DYNAMICAL APPROACH TO HIGH AND LOW ENERGY STRONG INTERACTIONS.
 233 61 UCRL-9510 A DYNAMICAL THEORY FOR STRONG INTERACTIONS AT LOW MOMENTUM TRANS
 035 61 ALIES IN BIOLOGICAL ISOTOPE EFFECTS, OBSERVED IN D2O-16 AND H2O-18. S. Z. ROGINSKII AND S. E. SHNOL
 165 61 UCRL-9503 THE CROSS PRODUCT OF E AND B VECTORS DISCHARGE AS A SOURCE OF IONS. K. W. EHLERS
 252 61 UCRL-9548 PION-POSITIVE-OR-NEGATIVE, PROTON TOTAL CROSS SECTIONS IN THE RANGE 450 ME
 002 61 UCRL-9440 THE ORIGIN OF LIFE ON EARTH AND ELSEWHERE. 2. M. CALVIN
 104 61 ERGIES OF MOLECULES OF THE OXIDES OF THE ALKALINE EARTH ELEMENTS. I. V. VEITS AND L. V. GURVICH
 064 61 99 CARRIER FREE SEPARATION OF HAFNIUM FROM RARE EARTH OXIDES. M. I. TOCHER AND J. M. HOLLANDER
 205 61 ELECTRONIC AND NUCLEAR GROUND STATES IN THE RARE EARTH REGION. A. Y. CABEZAS, I. LINDGEN, AND R. MARRUS
 178 61 9513 ENERGY RESPONSE AND PHYSICAL PROPERTIES OF EASTMAN TYPE A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR TRACK
 070 61 AND PARAMAGNETISM OF SOME ORGANIC SYSTEMS. J. W. EBERHARD ET AL
 227 61 NEGATIVE K-MESONS. W. B. FOWLER, R. W. BIRGE, P. EBERHARD ET AL
 251 61 MESON, PION SYSTEM. M. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
 254 61 DGEN AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
 318 61 GMA PION SYSTEM. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL

311 61 RESONANCE OF ONE. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJC
 328 61 IGMA-PION SYSTEM. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJC
 381 61 IONS AT 1.15 BEV/C. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJC
 012 61 TEMPERATURE SHOCK AND CROSSING OVER IN FERTILIZED EGGS OF DROSOPHILA MELANOGASTER. P. E. HILDRETH
 165 61 DB VECTORS DISCHARGE AS A SOURCE OF IONS. K. W. EHLERS
 486 61 FROM ENERGETIC IONS IMPINGING ON METALS. K. W. EHLERS
 432 61 R ACCELERATOR. E. L. HUBBARD, W. R. BAKER, K. W. EHLERS, H. S. GORDON, R. M. MAIN, N. J. NORRIS, R. PETERS, L.
 390 61 UCRL-9879 NUCLEAR SPIN OF GALLIUM-70. V. J. EHLERS, W. A. NIERENBERG, AND H. A. SHUGART
 105 61 PLANTS. D. I. SAPOZHNIKOV, D. G. ALKHAZOV, Z. M. EIDELMAN ET AL
 316 61 UCRL-9683 EJECTION OF LARGE FRAGMENTS IN HIGH ENERGY NUCLEAR REACTIONS.
 457 61 EXTENDED SHELL MODEL CALCULATIONS AND THE GIANT EL RESONANCE IN DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, A
 345 61 UCRL-9749 ELASTIC AND CHARGE EXCHANGE SCATTERING OF K-MESONS IN HYDROGEN
 207 61 UCRL-9362 DIFFERENTIAL ELASTIC PION PROTON SCATTERING AT 600, 650, AND 750 MEV. J. I
 222 61 UCRL-9481 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. PHASE SHIFT ANALYSIS. J. H. FO
 223 61 UCRL-9488 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. RECOIL NUCLEON POLARIZATION. J
 289 61 UCRL-9622 PION-NEGATIVE, PROTON ELASTIC SCATTERING AT 550, 600, 720, 900, AND 1020 MEV. C. D.
 283 61 UCRL-9607 NEGATIVE PION- PROTON ELASTIC SCATTERING IN THE ENERGY REGION 500-1500 MEV. B. J. M
 286 61 UCRL-9610 THE ELASTIC SCATTERING OF 24-MEV DEUTERONS. D. G. HOFFMAN
 293 61 UCRL-9629-ABSTRACT QUASI ELASTIC SCATTERING OF 920 MEV ALPHA PARTICLES BY ALPHA PARTICL
 306 61 UCRL-9650 HEAVY ION ELASTIC SCATTERING. J. ALSTER
 265 61 K INTERACTIONS. PART 1. RADIATIVE PION DECAY INTO ELECTONS. PART 2. ELECTRO MAGNETIC PROPERTIES OF A CHARGED VEC
 155 61 UCRL-9877 ON THE PENETRATION EFFECT IN ELECTRIC DIPOLE INTERNAL CONVERSION. G. KRAMER AND S. G. NILS
 045 61 UCRL-9501 THE USE OF ELECTRIC DISCHARGES IN CHEMICAL SYNTHESIS. W. L. JOLLY
 488 61 T DISCHARGE IN HYDROGEN AT LOW INTENSITIES OF THE ELECTRICAL FIELD. M. D. BORISOV, V. A. SUPRUNENKO, E. A. SUKH
 138 61 UCRL-9529-ABSTRACT ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEMICONDUCTOR P
 139 61 UCRL-9529 ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEMI-CONDUCTOR P
 265 61 RT 1. RADIATIVE PION DECAY INTO ELECTONS. PART 2. ELECTRO MAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMED
 164 61 UCRL-9487 ELECTRODE DAMAGE CAUSED BY SPARKS IN VACUUM. C. A. HARRIS
 489 61 RANS-697 CLASSICAL GAUGE INVARIANCES OF QUANTIC ELECTRODYNAMICS. B. JOUVET
 454 61 17 THE ADIABATIC MOTION OF CHARGED PARTICLES IN ELECTROMAGNETIC FIELDS. T. G. NORTHROP
 375 61 UCRL-9837 ELECTROMAGNETIC PRODUCTION OF CHARGED VECTOR MESONS. S. A. BL
 342 61 UCRL-9741 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMEDI
 392 61 UCRL-9889 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MESON. J. A. Y
 468 61 R SPECTROSCOPY IN TRANSMERCURY GROUP OF ELEMENTS, ELECTRON BINDING ENERGIES, X-RAY ENERGIES, AUGER ELECTRON ENER
 417 61 THE MASS SPECTRUM OF THE UNCHARGED FRAGMENTS FROM ELECTRON BOMBARDMENT OF MOLECULES. D. BECK AND O. OSBERGHAUS
 312 61 UCRL-9677 ON THE ABSENCE OF MUON- ELECTRON CONVERSION PROCESSES AND THE DELTA I EQUALS ONE-HALF
 240 61 ANALYSIS OF THE A-3(X)3 NUCLEAR SPIN SYSTEM PION- ELECTRON COUPLED HYPERFINE SPLITTING CONSTANTS IN AROMATIC HYD
 484 61 UCRL-9818-ABSTRACT ELECTRON DRIFT AND DIFFUSION MEASUREMENTS IN HYDROGEN IN A TRA
 468 61 ELECTRON BINDING ENERGIES, X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND FLUORESCENT YIELDS. E. K. HYDE
 300 61 BSTRACT POLARIZATION AND CORRELATION TENSORS IN ELECTRON HYDROGEN ATOM SCATTERING. P. G. BURKE AND H. M. SCHE
 096 61 AL ORGANIC CHEMISTRY. I. COMPOUNDS RESULTING FROM ELECTRON IRRADIATION OF C14H4. C. PALM AND M. CALVIN
 268 61 SEARCH FOR POSITIVE PARTICLES OF MASSES ABOUT 500 ELECTRON MASSES AND 1400 ELECTRON MASSES. V. COOK, D. KEEFE,
 268 61 CLES OF MASSES ABOUT 500 ELECTRON MASSES AND 1400 ELECTRON MASSES. V. COOK, D. KEEFE, L. T. KERTH ET AL
 024 61 UCRL-9823 ELECTRON PARAMAGNETIC RESONANCE IN BIOLOGY. G. M. ANDROES AND
 034 61 UCRL-TRANS-693 LIGHT-INDUCED ELECTRON SPIN RESONANCE (SIGNAL) IN CRYSTALLINE CHLOROPHYLL IN
 462 61 UCRL-9602 THE ELECTRON SPIN RESONANCE ABSORPTION OF TWO SOLID STATE PARAMAGN
 103 61 UCRL-TRANS-707 ON THE BASIC ELECTRON STATE OF OXIDES OF MOLECULES OF GROUP 2 ELEMENTS. I.
 158 61 UCRL-9980-ABSTRACT PHOTOMULTIPLIER SINGLE ELECTRON STATISTICS. R. F. TUSTING, Q. A. KERNS, AND H. K. KN
 365 61 UCRL-9809 ELECTRON TRACK COUNTING FOR BETA SPECTROSCOPY. K. D. SEVIER
 192 61 82 THE AGING CHARACTERISTICS OF ALUMINUM ALLOYS ELECTRON TRANSMISSION STUDIES OF ALUMINUM- MAGNESIUM- SILICON
 210 61 UCRL-9390-REV ELECTRON TRIPLET PRODUCTION BY HIGH ENERGY PHOTONS IN HYDROGEN
 205 61 UCRL-9225 ATOMIC BEAM INVESTIGATIONS OF ELECTRONIC AND NUCLEAR GROUND STATES IN THE RARE EARTH REGION.
 128 61 UCRL-9271 AN ELECTRONIC DATA-ACQUISITION SYSTEM FOR USE WITH A COMPLEX NUCLE
 260 61 CRL-9558-REV-ABSTRACT EVIDENCE FOR LOW RATES OF ELECTRONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H.
 308 61 UCRL-9669-ABSTRACT SCATTERING OF ELECTONS BY ATOMIC HYDROGEN. P. G. BURKE, V. M. BURKE, AND H
 386 61 TENSOR OPERATORS FOR CONFIGURATION OF EQUIVALENT ELECTONS. B. R. JUDD
 095 61 THE RADIOLYSIS OF LIQUID ISOBUTANE WITH PULSED ELECTONS. B. Y. YAMAMOTO, A. F. SCIAMANNA, AND A. S. NEWTON
 217 61 UCRL-9446 PARTICULATE RADIATION. ELEMENTS, PROTONS UP TO CARBON. C. A. TOBIAS AND R. WALLACE
 305 61 UCRL-9645 THE NEW ELEMENT, LAWRENCIUM, ATOMIC NUMBER 103. A. GHIOKSO, T. SIKKELA
 474 61 UCRL-9697 ELEMENTARY DERIVATION OF THE DIELECTRIC CONSTANT OF AN IMPERFE
 200 61 UCRL-8030-REV DATA FOR ELEMENTARY PARTICLE PHYSICS. W. H. BARKAS AND A. H. ROSENFELD
 094 61 STRACT ACTIVATION ANALYSIS FOR OXYGEN AND OTHER ELEMENTS BY MEANS OF HE-3 INDUCED NUCLEAR REACTIONS. S. S. MAR
 204 61 ACTIVE DECAY OF THE ISOTOPE OF THE TRANSURANIUM ELEMENTS. E. K. HYDE
 103 61 ELECTRON STATE OF OXIDES OF MOLECULES OF GROUP 2 ELEMENTS. I. V. VEITS AND L. V. GURVICH
 202 61 -BEV NEUTRON CROSS SECTIONS IN HYDROGEN AND OTHER ELEMENTS. J. H. ATKINSON, W. N. HESS, V. PEREZ-MENDEZ, AND R.
 237 61 UCRL-9524 DECAY-ENERGY SYSTEMATICS OF THE HEAVY ELEMENTS. I. PERLMAN AND F. ASARD
 104 61 OF MOLECULES OF THE OXIDES OF THE ALKALINE EARTH ELEMENTS. I. V. VEITS AND L. V. GURVICH
 327 61 714 TWO NUCLEON TRANSFER REACTIONS IN THE LIGHT ELEMENTS. J. CERNY
 468 61 FOR NUCLEAR SPECTROSCOPY IN TRANSMERCURY GROUP OF ELEMENTS, ELECTRON BINDING ENERGIES, X-RAY ENERGIES, AUGER ELE
 140 61 ION RADIATION DETECTORS MADE BY ION DRIFT. J. H. ELLIOTT
 349 61 UCRL-9753 THEORY OF ODD-MASS ELLIPSOIDAL NUCLEI. L. W. PERSON
 172 61 LIQUID BOILING IN TUBES. I. P. VISHNEV AND N. K. ELUKHIN
 411 61 ON SYSTEM ON NEUTRONS IN CARBON. G. GIDAL, R. P. ELY, S. Y. FUNG, Y. L. PAN, W. M. POWELL AND H. S. WHITE
 419 61 UCRL-TRANS-742 NUCLEAR FUSION. V. S. EMELIONOV
 358 61 UCRL-9776 THE EMISSION SPECTRUM OF CALIFORNIUM. J. G. CONWAY, E. K. HULET,
 376 61 UCRL-9851-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF FRANCIUM. R. D. GRIFFIOEN AND R. D. MACFARLANE
 246 61 UCRL-9541-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF HOLMIUM. R. D. MACFARLANE AND R. D. GRIFFIOEN
 377 61 UCRL-9852-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF OX OF ERBIUM. R. D. MACFARLANE AND R. D. GRIFFIOEN
 423 61 LIZING THE DISTRIBUTION OF GAMMA RAY AND POSITRON EMITTERS. H. O. ANGER
 388 61 UCRL-9870 AN ALPHA EMITTING ISOMERIC STATE OF TB-149. R. D. MACFARLANE
 421 61 UCRL-9527 EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE DETERMINATION O
 422 61 UCRL-9527-REV EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE DETERMINATION O
 319 61 UCRL-9689 DECAY MEASUREMENTS IN EMULSION ON PARTICLES OF NEGATIVE STRANGENESS. W. H. BARKAS,
 426 61 UCRL-9692 THE GRAIN DENSITY OF EMULSION TRACKS. J. W. PATRICK AND W. H. BARKAS
 371 61 RL-9822 STOPPING OF CF-252 FISSION FRAGMENTS IN EMULSION. K. D. SEVIER
 201 61 ASUREMENTS IN ALUMINUM, COPPER, LEAD, URANIUM AND EMULSION. W. H. BARKAS AND S. VON FRIESEN
 167 61 657 THE WATER SHIELDED CAVE FACILITY FOR TOTALLY ENCLOSED MASTER SLAVE OPERATIONS AT LAWRENCE RADIATION LABORAT
 486 61 UCRL-9920-ABSTRACT COLOR PRODUCTION FROM ENERGETIC IONS IMPINGING ON METALS. K. W. EHLERS
 218 61 450 CHARGED SIGMA-HYPERON PRODUCTION AND DECAY. ENERGETICS, LIFETIMES, AND BRANCHING RATIOS. J. N. DYER
 057 61 UCRL-9590 BOND ENERGIES, VALENCE STATE ENERGIES AND RESONANCE. G. R. SOMAYAJULU
 104 61 UCRL-TRANS-708 ON THE DISSOCIATION ENERGIES OF MOLECULES OF THE OXIDES OF THE ALKALINE EARTH ELEM
 197 61 UCRL-TRANS-706 DISSOCIATION ENERGIES OF OXIDES OF MAGNESIUM, CALCIUM, STRONTIUM, AND BARIU
 233 61 ERACTIONS AT LOW MOMENTUM TRANSFERS BUT ARBITRARY ENERGIES. G. F. CHEW AND S. C. FRAUTSCHI
 468 61 BINDING ENERGIES, X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND FLUORESCENT YIELDS. E. K. HYDE

468 61 OUP OF ELEMENTS, ELECTRON BINDING ENERGIES, X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND FLUORESCENT YIELDS. E.
057 61 TRANS-MERCURY GROUP OF ELEMENTS, ELECTRON BINDING ENERGIES, X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND FLUORESCENT YIELDS. G. R. SOMAYAJI
468 61 IATION DOSIMETRY HELD AT THE INTERNATIONAL ATOMIC ENERGY AGENCY IN VIENNA JUNE 7 TO 11, 1960. R. WALLACE
179 61 RL-9754 PROMPT FISSION YIELDS AND TOTAL KINETIC ENERGY BEHAVIOR FROM TIME OF FLIGHT MEASUREMENTS. J. C. D. MITCHELL
350 61 UCRL-TRANS-688 MEASUREMENT OF ENERGY DEPENDENCE OF THE CROSS SECTION OF THE REACTION NEUTRON
416 61 UCRL-TRANS-702 SEARCH FOR ANOMALIES IN THE ENERGY DEPENDENCE OF THE CROSS SECTION OF REACTION PROTON PLUS
418 61 UCRL-9799 BIOELECTRIC EFFECTS OF HIGH ENERGY IRRADIATION ON NERVE. C. T. GAFFEY
022 61 -WAVE ZERO EFFECTIVE RANGE PARAMETERS FOR THE LOW ENERGY K-MESON, PROTON SYSTEM. W. HUMPHREY AND R. ROSS
410 61 UCRL-9830 ENERGY LEVELS OF ER(2). B. R. JUDD AND L. C. MARQUET
372 61 UCRL-9780 ENERGY LEVELS OF LU-172(71 PROTONS, 101 NEUTRONS). J. VALENTI
360 61 UCRL-9438 THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J.
214 61 UCRL-9683 EJECTION OF LARGE FRAGMENTS IN HIGH ENERGY NUCLEAR REACTIONS. V. P. CRESPO
215 61 UCRL-9634 THEORY OF LOW ENERGY NUCLEON NUCLEON SCATTERING. M. L. GOLDBERGER, M. T. GRADY
316 61 A SHAPE INDEPENDENT APPROACH TO MODERATELY HIGH ENERGY NUCLEON NUCLEON SCATTERING. L. A. P. BALAZS
296 61 N IBM 709 COMPUTER PROGRAM FOR THE OPTICS OF HIGH ENERGY PARTICLE BEAMS. T. J. DEVLIN
188 61 RL-9390-REV ELECTRON TRIPLET PRODUCTION BY HIGH ENERGY PHOTONS IN HYDROGEN. D. C. GATES, R. W. KENNEY, W. P. HARRIS
429 61 INTERNATIONAL CONFERENCE ON INSTRUMENTATION FOR HIGH ENERGY PHYSICS, HELD AT LAWRENCE RADIATION LABORATORY, BERKELEY
307 61 UCRL-9656 LOW ENERGY PION PHOTON INTERACTION, THE 2 PION, 2 GAMMA VERTEX. B. J. MAYER
438 61 707 STUDIES AT BERKELEY AND MURA ON FUTURE HIGH ENERGY PROTON ACCELERATOR. D. L. JUDD
283 61 NEGATIVE PION- PHOTON ELASTIC SCATTERING IN THE ENERGY REGION 500-1500 MEV. B. J. MOYER
133 61 JUNCTION RADIATION DETECTORS AND ITS INFLUENCE ON ENERGY RESOLUTION CHARACTERISTICS. F. S. GOULDING AND W. L. HARRIS
138 61 UCRL-9529-ABSTRACT ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEMICONDUCTOR PARTICLE DETECTORS. W. L. HARRIS
139 61 UCRL-9529 ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HARRIS
178 61 UCRL-9513 ENERGY RESPONSE AND PHYSICAL PROPERTIES OF EASTMAN TYPE A, NTA
236 61 15 A UNIFIED DYNAMICAL APPROACH TO HIGH AND LOW ENERGY STRONG INTERACTIONS. G. F. CHEW
391 61 UCRL-9883 FISSION ENERGY TABLES. J. C. D. MILTON
211 61 17D NEUTRON-13 REACTION INDUCED BY PROTONS OF ENERGY 0.4 TO 6.2 BEV. L. C. SAH
296 61 ABSTRACT ANTIPROTON PROTON CROSS SECTIONS AT LOW ENERGY. B. CORK, O. I. DAHL, D. H. MILLER, A. G. TENNER, AND
201 61 UCRL-8792 HIGH VELOCITY RANGE AND ENERGY-LOSS MEASUREMENTS IN ALUMINUM, COPPER, LEAD, URANIUM AND
026 61 G, AMONG RATS RAISED IN ENRICHED AND IMPOVERISHED ENVIRONMENTS. D. KRECH, M. R. ROSENZWEIG, AND E. L. BENNETT
449 61 UCRL-9441 LINKED DIAGRAM EXPANSION FOR THE EQUATION OF STATE OF A GAS OF MOLECULES. A. N. KAUFMAN AND K. A. BRUNNEN
186 61 LINEAR PROGRAMMING APPLIED TO LINEAR DIFFERENTIAL EQUATIONS. J. D. YOUNG
470 61 UCRL-9667-ABSTRACT EQUILIBRIUM ELECTRONIC CHARGE DISTRIBUTIONS FOR HEAVY IONS. W. L. HARRIS
447 61 338 GRAVITATIONAL SHIFTS WITHOUT A PRINCIPLE OF EQUIVALENCE. B. C. MAGLIC
372 61 UCRL-9830 ENERGY LEVELS OF ER(2). B. R. JUDD AND L. C. MARQUET
377 61 ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF ERBIUM. R. D. MACFARLANE AND R. D. GRIFFIDEN
101 61 STUDY OF HEAT EXCHANGE IN THE BOILING OF WATER AND ETHYL ALCOHOL IN TUBES. L. S. STERMAN, V. G. MUROZOV, AND S. M. KATZ
001 61 OF THE RADIATION PROTECTIVE COMPOUNDS, S₂ AMINO ETHYLISOTHIAURONIUM BROMIDE, AET, IN THE RAT. F. P. CONTE
179 61 TO SEVERAL HEALTH PHYSICS DEPARTMENTS IN WESTERN EUROPE AND TO THE SYMPOSIUM ON SELECTED TOPICS IN RADIATION DOSE
132 61 AN 1800-BIT BUFFER STORE AND READOUT SYSTEM. F. EVANS AND F. A. KIRSTEN
021 61 UCRL-9784 EVOLUTION OF PHOTOSYNTHETIC MECHANISMS. M. CALVIN
403 61 UCLEAR SPIN OF ISOMERIC AU-196. Y. W. CHAN, W. B. EWANK, W. A. NIERENBERG, AND H. A. SHUGART
402 61 RL-9926-ABSTRACT NUCLEAR SPIN OF AG-112. W. B. EWANK, Y. W. CHAN, AND H. A. SHUGART
172 61 UCRL-TRANS-677 ON THE PROBLEM OF HEAT EXCHANGE DURING LIQUID BOILING IN TUBES. I. P. VISHNEV AND N. V. KALININ
101 61 UCRL-TRANS-694 STUDY OF HEAT EXCHANGE IN THE BOILING OF WATER AND ETHYL ALCOHOL IN TUBES.
266 61 UCRL-9564-ABSTRACT CHARGE EXCHANGE PRODUCTION OF ANTINEUTRONS AND ANTINEUTRON ANNIHILATION IN H
276 61 UCRL-9589 CHARGE EXCHANGE PRODUCTION OF ANTINEUTRON AND THEIR ANNIHILATION IN H
277 61 UCRL-9589-REV CHARGE EXCHANGE PRODUCTION OF ANTINEUTRONS AND THEIR ANNIHILATION IN H
380 61 CRL-9858 THE POSITIVE K- MESON, DEUTERON CHARGE EXCHANGE REACTION FROM 52 TO 456 MEV. W. SLATER, D. H. STORK,
345 61 UCRL-9749 ELASTIC AND CHARGE EXCHANGE SCATTERING OF K-MESONS IN HYDROGEN. R. R. ROSS
321 61 UCRL-9691 CHARGE EXCHANGE SCATTERING OF POSITIVE K- MESONS ON DEUTERONS. W. LE
220 61 UCRL-9459 THE RADIO FREQUENCY EXCITATION OF THE HEAVY ION LINEAR ACCELERATOR. F. VOELKER
412 61 UCRL-9948-ABSTRACT AN EXCITED HYPERON OF MASS 1520-MEV. R. D. TRIPP, M. FERRO-LUZZI
449 61 UCRL-9441 LINKED DIAGRAM EXPANSION FOR THE EQUATION OF STATE OF A GAS OF MOLECULES. A. N. KAUFMAN AND K. A. BRUNNEN
106 61 -739 CHARACTERISTICS OF FLUIDIZED PARTICLES, 2. EXPANSION OF FLUIDIZED PARTICLES BY A GAS STREAM. J. FURUKAWA
482 61 UCRL-9800 TWO FOLK LEMMAS ON THE EXPANSION OF THE S-MATRIX OR THE OUT FIELD IN NORMAL ORDERED I
340 61 UCRL-9739 K- MESON INTERACTIONS, EXPERIMENTAL. D. MILLER
019 61 ON BRAIN CHEMISTRY AND ANATOMY, A REPLICATION AND EXTENSION. M. R. ROSENZWEIG, D. KRECH, E. L. BENNETT, AND M. M. KATZ
443 61 UCRL-TRANS-690 A NEW SCHEME FOR EXTRACTION OF PARTICLES FROM THE SYNCHROCYCLOTRON. I. M. MATO
490 61 UCRL-TRANS-710 THE MEASUREMENT OF EXTREMELY SHORT DISSOCIATION TIMES OF ORGANIC IONS WITH THE FI
143 61 UCRL-9646-ABSTRACT FEEDBACK EFFECTS OF EXTRINSIC COLLECTOR TO BASE CAPACITANCE IN TRANSISTOR AMPLIFIER
364 61 UCRL-9803 THE GIANT CL RESONANCE FOR DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, A. L. BARRER, AND
284 61 UCRL-9608 MEASUREMENTS OF L₂ DECAY TRANSITION INTERNAL CONVERSION COEFFICIENTS. A DISCUSSION
336 61 -1 TEMPERATURE DEPENDENT CHEMICAL SHIFTS, PART 2. F-19 SPIN-SPIN COUPLINGS. L. PETRAKIS
170 61 UCRL-9824 FABRICATING LIQUID HYDROGEN TARGETS FROM MYLAR. D. L. MEHR
167 61 UCRL-9657 THE WATER SHIELDED CAVE FACILITY FOR TOTALLY ENCLOSED MASTER SLAVE OPERATIONS AT LAWRENCE
076 61 ATIONSHIP OF MOLECULAR PROPERTIES TO THE ACENTRIC FACTOR. F. DANON AND K. S. PITZER
234 61 UCRL-9511 ALPHA DECAY STUDIES IN THE FAMILIES OF THE LIGHT UKANIUM ISOTOPES. C. P. RUIZ
154 61 UCRL-9861 A FAST NEUTRON ACTIVATION DETECTOR FOR 14-MEV PULSED NEUTRON SOURCES. C. M. KIM
230 61 UCRL-9504 A THEORETICAL COMPARISON OF 4 PI FAST NEUTRON SPECTROMETERS. C. M. KIM
414 61 NS-684 COMPLETE TOTAL SCATTER CROSS SECTIONS OF FAST NEUTRONS BY ARGON AND CRYPTON. V. P. VLASENKO, I. A. GRITSENKO, AND
428 61 UCRL-TRANS-689 SCINTILLATION DETECTOR OF FAST NEUTRONS. L. I. KOROTKOV, I. V. SVINTSEV, V. N. CHERNYSH
142 61 UCRL-9624 FAST PULSE AMPLITUDE DISCRIMINATORS. D. A. MACK
029 61 N OF THE EFFECTS OF WHOLE BODY X- IRRADIATION AND FAST PULSED ON THE PLASMA LIPIDS OF MICE. C. S. REHNBORG, J. S. A. HARRIS
001 61 UCRL-9419 A STUDY OF THE METABOLIC FATE OF THE RADIATION PROTECTIVE COMPOUNDS, S₂ AMINO ETHYLISOTHIAURONIUM BROMIDE, AET, IN THE RAT.
052 61 IES ON HUMAN SERUM PHOSPHOLIPIDS AND PHOSPHOLIPID FATTY ACID COMPOSITION BY EXTENDED SILICIC ACID CHROMATOGRAPHY
047 61 UCRL-9521 FATTY ACID COMPOSITION OF MOUSE LIPIDS AND LIPOPROTEINS. C. S. REHNBORG, J. S. A. HARRIS, AND
044 61 UCRL-9499 GAS CHROMATOGRAPHIC ANALYSIS OF FATTY ACIDS FROM DIALYSED LIPOPROTEINS. A. V. NICHOLS, C. S. REHNBORG, J. S. A. HARRIS,
017 61 UCRL-9718 METABOLIC STUDIES WITH FE-59, CA-47, AND C-11 IN VARIOUS DISEASES. T. SARGENT
143 61 UCRL-9646-ABSTRACT FEEDBACK EFFECTS OF EXTRINSIC COLLECTOR TO BASE CAPACITANCE IN
278 61 RUTON SCATTERING AT 900 MEV. V. C. MAGLIC, B. T. FIELD, AND C. A. DIFFEY
102 61 NS-696 CONCENTRATION DEPENDENCE OF ACTIVITY OF FERMENTS IN CONNECTION WITH THEIR BEHAVIOR IN COACERVATES. V. C. MAGLIC
083 61 OTHER POLYHYDROXY COMPOUNDS. V. MOSES AND R. J. FERRIER
322 61 S OF THE PION HYPERON RESONANCES. P. BASTIEN, M. FERRO-LUZZI AND A. H. ROSENFELD
412 61 EXCITED HYPERON OF MASS 1520-MEV. R. D. TRIPP, M. FERRO-LUZZI AND M. B. WATSON
275 61 PION- HYDROGEN RESONANCES. M. H. ALSTON AND M. FERRO-LUZZI
303 61 NTERACTION IN THE 400 MEV/C REGION. R. TRIPP, M. FERRO-LUZZI, AND M. WATSON
363 61 9798 ANALYSIS OF 1347 NEGATIVE-PION DECAYS. M. FERRO-LUZZI, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, AND
301 61 NCE OF ONE. J. P. BERGE, P. BASTIEN, O. DAHL, M. FERRO-LUZZI, J. KIRZ, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, AND
020 61 UCRL-9783 FERTILIZATION IN D MELANOGASTER AND D VIRILIS. P. E. HILDKRETH
012 61 ABSTRACT TEMPERATURE SHOCK AND CROSSING OVER IN FERTILIZED EGGS OF DROSOPHILA MELANOGASTER. P. E. HILDKRETH
178 61 A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR TRACK FILM. R. L. LEHMAN

108 61 344 SOME CALCULATIONS ON TRIAX PINCH DEVICE. S. FISHER
 391 61 UCRL-9883 FISSION ENERGY TABLES. J. C. D. MILTON
 371 61 UCRL-9822 STOPPING OF CF-252 FISSION FRAGMENTS IN EMULSION. K. D. SEVIER
 395 61 UCRL-9895-ABSTRACT NUCLEAR FISSION INDUCED BY RADIATIONLESS TRANSITIONS IN THE MU- MESONI
 245 61 UCRL-9540 FISSION OF URANIUM-238 WITH CARBON IONS. T. SIKKELAND, A. E. L
 350 61 UCRL-9754 PROMPT FISSION YIELDS AND TOTAL KINETIC ENERGY BEHAVIOR FROM TIME OF
 347 61 CRL-9751 MOMENTUM TRANSFER IN HEAVY ION INDUCED FISSION. T. SIKKELAND, E. L. HAINES, AND V. E. VIOLA
 288 61 19 ANGULAR DISTRIBUTIONS FROM HEAVY ION INDUCED FISSION. V. E. VIOLA
 036 61 NADYL BISACETYLACETONATE. GEOMETRY OF VANADIUM IN FIVE-FOLD COORDINATION. R. P. DODGE, D. H. TEMPLETON, AND A.
 437 61 YCLOTRON. G. L. WIGLE, N. C. SPENCER, AND E. W. FLEISCHER
 181 61 FOR HIGH LEVEL RADIO-CHEMICAL OPERATIONS. E. S. FLEISCHER, T. C. PARSONS, AND P. W. HOWE
 350 61 DS AND TOTAL KINETIC ENERGY BEHAVIOR FROM TIME OF FLIGHT MEASUREMENTS. J. C. D. MILTON, AND J. S. FRASER
 309 61 ION AND K-MESONS FORM ANTI-PROTON ANNIHILATIONS FROM TIME OF FLIGHT. B. C. MAGLIC, G. R. KALBFLEISCH, AND M. L. STEVENSON
 135 61 A PAPER TAPE TO MAGNETIC TAPE CONVERTER. L. F. FLORES
 485 61 5 A THEORETICAL CONSIDERATION OF ASYMMETRIC HEAT FLOW AT THE INTERFACE OF THE DISSIMILAR METALS. J. S. MOON AND
 184 61 9309 IBM PROGRAM GUTS. DETAILED DESCRIPTION AND FLOW. F. SAFIER AND C. HANSEN
 106 61 KINETICS OF FLUIDIZED PARTICLES, 2. EXPANSION OF FLUIDIZED PARTICLES BY A GAS STREAM. J. FURUKAWA AND K. OMAE
 106 61 UCRL-TRANS-739 CHARACTERISTICS OF FLUIDIZED PARTICLES, 2. EXPANSION OF FLUIDIZED PARTICLES BY A
 076 61 THE VOLUMETRIC AND THERMODYNAMIC PROPERTIES OF FLUIDS, 6. RELATIONSHIP OF MOLECULAR PROPERTIES TO THE CENTR
 468 61 IES, X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND FLUORESCENT YIELDS. E. K. HYDE
 086 61 CRL-9821 KINETICS OF THE OXIDATION OF MAGNESIUM FLUORIDE. D. R. MESSIER
 050 61 UCRL-9565 NUCLEAR MAGNETIC RESONANCE FLUORINE-FLUORINE COUPLING CONSTANTS IN SATURATED ORGANIC COMP
 078 61 INTERACTION IN CIS-1, 2- DICHLOROETHYLENE. W. H. FLYGARE AND J. A. HOWE
 481 61 STRONG FIELD STARK EFFECT. J. A. HOWE, AND W. H. FLYGARE
 362 61 9 RESPONSE OF THE OAK RIDGE CRITICALITY FISSION FOIL MONITOR. B. WAYLAND
 482 61 UCRL-9800 TWO FOLK LEMMAS ON THE EXPANSION OF THE S-MATRIX OR THE OUT FIELD
 174 61 S WITH DELAYED YIELDING. V. S. LENSII AND L. N. FOMINA
 148 61 UCRL-9765 AN ALPHA AIR PROPORTIONAL HAND AND FOOT COUNTER. W. J. ROACH AND R. J. WALKER
 222 61 ATTERING AT 310 MEV. PHASE SHIFT ANALYSIS. J. H. FOOTE, D. CHAMBERLAIN, E. H. ROGERS, AND H. M. STEINER
 223 61 G AT 310 MEV. RECOIL NUCLEON POLARIZATION. J. H. FOOTE, D. CHAMBERLAIN, E. H. ROGERS, H. M. STEINER, C. E. WIEG
 227 61 EGATIVE XI PRODUCTION BY NEGATIVE K-MESONS. W. B. FOWLER, R. W. BIRGE, P. EBERHARD ET AL
 417 61 RL-TRANS-692 THE MASS SPECTRUM OF THE UNCHARGED FRAGMENTS FROM ELECTRON BOMBARDMENT OF MOLECULES. D. BECK AND
 371 61 UCRL-9822 STOPPING OF CF-252 FISSION FRAGMENTS IN EMULSION. K. D. SEVIER
 316 61 UCRL-9683 EJECTION OF LARGE FRAGMENTS IN HIGH ENERGY NUCLEAR REACTIONS. V. P. CRESPO
 471 61 UCRL-9668 FRAMES AND LORENTZ INVARIANCE IN GENERAL RELATIVITY. E. LUBKI
 376 61 51-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF FRANCIUM. R. D. GRIFFITHEN AND R. D. MACFARLANE
 350 61 FLIGHT MEASUREMENTS. J. C. D. MILTON, AND J. S. FRASER
 331 61 HIGH- AND LOW-ENERGY STRONG INTERACTIONS. S. C. FRAUTSCHI
 317 61 EURY OF STRONG INTERACTION. G. F. CHEW AND S. C. FRAUTSCHI
 233 61 FERS BUT ARBITRARY ENERGIES. G. F. CHEW AND S. C. FRAUTSCHI
 160 61 IES AND LIMITATIONS OF TELEVISION MICROSCOPY. H. FRENK
 077 61 F INDEX OF REFRACTION AND DIELECTRIC CONSTANT FOR FREON-13. W. N. HESS, R. L. MATHER, AND R. A. NOBLES
 220 61 UCRL-9459 THE RADIO FREQUENCY EXCITATION OF THE HEAVY ION LINEAR ACCELERATOR. F.
 150 61 UCRL-9791 THE SIDEBAND TECHNIQUE IN A VARIABLE FREQUENCY NUCLEAR MAGNETIC RESONANCE SPECTROMETER. J. V. ACRI
 201 61 D, URANIUM AND EMULSION. W. H. BARKAS AND S. VON FRENSEN
 122 61 UCRL-9854-ABSTRACT HYDROMAGNETIC IONIZING FRONTS. W. B. KUNKEL AND R. A. GROSS
 462 61 OF TWO SOLID STATE PARAMAGNETIC CENTERS, PART 1. FROZEN TETRAMETHYL AMMONIUM SOLUTIONS, PART 2. CRESTMORE BLUE
 098 61 CALCULATION OF INTEGRAL AND PARTIAL THERMODYNAMIC FUNCTIONS FOR SOLIDS FROM DISSOCIATION PRESSURE DATA. A. W. S
 411 61 N NEUTRONS IN CARBON. G. GIDAL, R. P. ELY, S. Y. FUNG, Y. L. PAN, W. M. POWELL AND H. S. WHITE
 196 61 UCRL-9828 SHEET METAL CAN FURNACE. R. C. DOYLE AND W. D. PHILLIPS
 106 61 ANSION OF FLUIDIZED PARTICLES BY A GAS STREAM. J. FURUKAWA AND K. OMAE
 419 61 UCRL-TRANS-742 NUCLEAR FUSION. V. S. EMELIONOV
 022 61 FECTS OF HIGH ENERGY IRRADIATION ON NERVE. C. T. GAFFEY
 214 61 OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON
 215 61 OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON
 390 61 UCRL-9879 NUCLEAR SPIN OF GALLIUM-70. V. J. EHLERS, W. A. NIERENBERG, AND H. A. SHUGART
 423 61 UCRL-9549 VISUALIZING THE DISTRIBUTION OF GAMMA RAY AND POSITRON EMITTERS. H. D. ANGER
 416 61 NCE OF THE CROSS SECTION OF THE REACTION NEUTRON, GAMMA RAY ON NATURAL CHLORINE. N. T. KASHUKEEV, I. P. POPOV,
 398 61 UCRL-9909-ABSTRACT MEASUREMENT OF GAMMA RAY SPECTRA WITH GOOD RESOLUTION FROM 30 TO 600 MEV. R.
 216 61 UCRL-9442 PHOTOPROTONS PRODUCED BY 245 15 MEV GAMMA RAYS ON CARBON. K. J. CENCE AND B. J. MOYER
 074 61 8 A COMPUTER ANALYSIS FOR COMPLEX SODIUM IODIDE GAMMA SPECTRA. J. F. MOLLENAUER
 307 61 LOW ENERGY PION PHOTON INTERACTION, THE 2 PION, 2 GAMMA VERTEX. B. R. DESAI
 330 61 UCRL-9724 EFFECTS OF ANGULAR MOMENTUM ON GAMMA-RAY PRODUCTION IN COMPOUND NUCLEUS REACTIONS. J. F. MOL
 061 61 NO ACID. B. M. WEEKS, M. KLAND-ENGLISH, AND W. M. GARRISON
 071 61 OLUTION. M. KLAND-ENGLISH, W. BENNETT, AND W. M. GARRISON
 015 61 PROTEIN IN SOLUTION AND IN THE SOLID STATE. W. M. GARRISON
 043 61 THE CYCLIC DIPEPTIDES. M. KLAND-ENGLISH AND W. M. GARRISON
 031 61 N THE RADIOLYSIS OF AQUEOUS ORGANIC SYSTEMS. W. M. GARRISON, B. M. WEEKS, AND S. COLE
 023 61 OXIDATION OF PROTEIN IN AQUEOUS SOLUTION. W. M. GARRISON, M. E. JAYKO, AND W. BENNETT
 090 61 UCRL-9844 LONGITUDINAL DISPERSION IN PACKED GAS ABSORPTION COLUMNS. T. T. WORD
 044 61 UCRL-9499 GAS CHROMATOGRAPHIC ANALYSIS OF FATTY ACIDS FROM DIALYSED LIPO
 449 61 DIAGRAM EXPANSION FOR THE EQUATION OF STATE OF A GAS OF MOLECULES. A. N. KAUFMAN AND K. M. WATSON
 106 61 RTICLES, 2. EXPANSION OF FLUIDIZED PARTICLES BY A GAS STREAM. J. FURUKAWA AND K. OMAE
 459 61 THEORY OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
 460 61 THEORY OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
 474 61 VATION OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
 038 61 STRONTIUM-90 BETA PARTICLE RADIATION DETECTOR FOR GAS- LIQUID CHROMATOGRAPHY. F. T. UPHAM, F. T. LINDGREN, AND A
 088 61 UCRL-9840 THERMODYNAMIC PROPERTIES OF GASEOUS METAL DIHALIDES. L. BREWER, G. R. SOMAYAJULU, AND E.
 053 61 IFTS IN THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF GASES. L. PETRAKIS AND C. H. SEDERHOLM
 367 61 SLESS PARTICLES BE CHARGED. K. M. CASE AND S. G. GASTOROWICZ
 210 61 UCTION BY HIGH ENERGY PHOTONS IN HYDROGEN. D. C. GATES, R. W. KENNEY, W. P. SWANSON
 489 61 UCRL-TRANS-697 CLASSICAL GAUGE INVARIANCES OF QUANTIC ELECTRODYNAMICS. B. JOUVET
 173 61 UCRL-TRANS-705 NEUTRON GENERATORS. V. I. STRIJAK AND N. S. NAZAROV
 004 61 UCRL-9495 GENETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHILA MELANOGAST
 005 61 UCRL-9495-REV GENETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHILA MELANOGAST
 323 61 UCRL-9706 ON THE GENTLE ART OF HUNTING BUMPS IN THE PION HYPERON SYSTEM. L. T.
 487 61 UCRL-9922 GEOMETRIC FOUNDATIONS OF CONTINUUM MECHANICS. J. A. SIMMONS
 036 61 CRYSTAL STRUCTURE OF VANADYL BISACETYLACETONATE. GEOMETRY OF VANADIUM IN FIVE-FOLD COORDINATION. R. P. DODGE,
 069 61 UCRL-9709 THE PREPARATION OF SOME GERMANIUM HYDRIDES. J. E. DRAKE
 059 61 UCRL-9615 HYDRIDES OF GERMANIUM, TIN, ARSENIC AND ANTIMONY. W. L. JOLLY AND J. E. D
 305 61 HE NEW ELEMENT, LAWRENCIUM, ATOMIC NUMBER 103. A. GHIORSO, T. SIKKELAND, A. E. LARSH, AND R. M. LATIMER
 411 61 EY LAMBDA PION SYSTEM ON NEUTRONS IN CARBON. G. GIDAL, R. P. ELY, S. Y. FUNG, Y. L. PAN, W. M. POWELL AND H. S
 033 61 TER FOR MEASURING IODINE-131 IN THE HUMAN THYROID GLAND. V. A. GRYZUNOV
 384 61 TIOS. B. P. ROE, D. SINCLAIR, J. L. BROWN, D. A. GLASER, J. A. KADYK, AND G. H. TRILLING

166 61		UCRL-9506	GLASS CATHODES IN VACUUM INSULATED HIGH-VOLTAGE SYSTEMS. J. J. GLENDEENING AND S. G. NILSSON
294 61	ECTRA OF ODD-A AND ODD-ODD DEFORMED NUCLEI. N. K. GLENDEENING		
364 61	RMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDEENING		
231 61	-9505 THE TWO NUCLEON STRIPPING REACTION. N. K. GLENDEENING		
457 61	MED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDEENING		
389 61	ACTION C-12 (HE-3, PROTON) N-14. J. CERNY, N. K. GLENDEENING, B. G. HARVEY, R. H. PEHL, AND E. RIVET		
432 61	A, F. VOELKER, C. E. ANDERSON, R. BERINGER, R. L. GLUCKSTERN, W. J. KNOX, M. S. MALKIN, A. R. QUINTON, L. SCHWAR		
296 61	OF LOW ENERGY NUCLEON NUCLEON SCATTERING. M. L. GOLDBERGER, M. T. GRISARU, S. W. MACDOWELL, AND D. Y. WONG		
213 61	RRELATION IN ANTI-PROTON- PROTON ANNIHILATION. G. GOLDBERGER AND W. LEE		
400 61	TAU DECAY. T. A. DHALLORAN, G. GOLDBERGER, AND S. GOLDBERGER		
401 61	REST. W. LEE, W. CHINOWSKY, G. GOLDBERGER, AND S. GOLDBERGER		
400 61	ION CORRELATION IN TAU DECAY. T. A. DHALLORAN, G. GOLDBERGER, AND S. GOLDBERGER		
401 61	N ANNIHILATIONS AT REST. W. LEE, W. CHINOWSKY, G. GOLDBERGER, AND S. GOLDBERGER		
380 61	K. TICHO, W. LEE, W. CHINOWSKY, G. GOLDBERGER, AND T. DHALLORAN		
269 61	PROTON INTERACTIONS BELOW 100 MEV. T. STUBBS, S. GOLDBERGER, H. BRADNER ET AL		
380 61	H. STORK, H. K. TICHO, W. LEE, W. CHINOWSKY, G. GOLDBERGER, S. GOLDBERGER, AND T. DHALLORAN		
344 61	5-MEV. T. F. STUBBS, H. BRADNER, W. CHINOWSKY, G. GOLDBERGER, S. GOLDBERGER, W. SLATER, D. M. STORK, AND H. K. TICHO		
344 61	TUBBS, H. BRADNER, W. CHINOWSKY, G. GOLDBERGER, S. GOLDBERGER, W. SLATER, D. M. STORK, AND H. K. TICHO		
084 61	EN ADAPTED SCENEDESMUS USING H-3 AND C-14. R. A. GOLDSBY		
085 61	ETHYLENES. J. A. HOWE, J. S. MUIRHEAD, AND J. H. GOLDSTEIN		
151 61	LINEAR AMPLIFIER SYSTEM AND PREAMPLIFIER. W. W. GOLDSWORTHY		
381 61	/C. M. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI		
311 61	M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI		
328 61	M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI		
293 61	RTICLES BY ALPHA PARTICLE CLUSTERS IN C-12. T. J. GOODING AND G. IGO		
325 61	E FOR ALPHA PARTICLE CLUSTERING IN NUCLEI. T. J. GOODING AND G. IGO		
290 61	PROTONS AT 230, 290, 370, 427, AND 460 MEV. L. K. GOODWIN, J. C. CARIS, R. W. KENNEY, V. PEREZ-MENDEZ, AND W. A. GORDAN		
314 61	UCRL-9679 CLEBSCH GORDAN COEFFICIENTS FOR NUCLEAR TRANSITION PROBABILITIES, 1 00		
245 61	CARBON IONS. T. SIKKELAND, A. E. LARSH, AND G. E. GORDON		
432 61	E. L. HUBBARD, W. R. BAKER, K. W. EHLERS, H. S. GORDON, R. M. MAIN, N. J. NORRIS, R. PETERS, L. SMITH, C. M. V		
133 61	ENCE ON ENERGY RESOLUTION CHARACTERISTICS. F. S. GOULDING AND W. L. HANSEN		
138 61	DUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULDING		
139 61	UCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULDING		
426 61	UCRL-9692 THE GRAIN DENSITY OF EMULSION TRACKS. J. W. PATRICK AND W. H. BARK		
407 61	SIGMA PLUS POSITIVE K- MESON NEAR THRESHOLD. F. GRARD AND G. A. SMITH		
420 61	AND MEASURING OF BUBBLE CHAMBER PHOTOGRAPHS. A. GRASSELLI		
447 61	UCRL-9338 GRAVITATIONAL SHIFTS WITHOUT A PRINCIPLE OF EQUIVALENCE. B. C		
381 61	LSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI		
311 61	LSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI		
328 61	LSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI		
482 61	THE OUT FIELD IN NORMAL ORDERED IN FIELDS. O. W. GREENBERG		
476 61	ACITY OF SILVER OXIDE AT LOW TEMPERATURES. L. V. GREGOR		
246 61	EMITTERS OF HOLMIUM. R. D. MACFARLANE AND R. D. GRIFFIDEN		
376 61	TRON DEFICIENT ALPHA EMITTERS OF FRANCIUM. R. D. GRIFFIDEN AND R. D. MACFARLANE		
377 61	MITTERS OF OF ERBIUM. R. D. MACFARLANE AND R. D. GRIFFIDEN		
296 61	LEON NUCLEON SCATTERING. M. L. GOLDBERGER, M. T. GRISARU, S. W. MACDOWELL, AND D. Y. WONG		
414 61	TRONS BY ARGON AND CRYPTON. V. P. VLASENKO, I. A. GRITS, D. E. KHULELIDZE, ET AL		
205 61	MIC BEAM INVESTIGATIONS OF ELECTRONIC AND NUCLEAR GROUND STATES IN THE RARE EARTH REGION. A. Y. CABEZAS, I. LIND		
055 61	RUM OF TRIVALENT AMERICIUM (5F-6) IN LACL3. J. B. GRUBER		
039 61	E ABSORPTION SPECTRA OF TH(IV) AND AM(IV). J. B. GRUBER		
458 61	ECTRUM AND ZEEMAN EFFECT OF AM+3 IN LACL3. J. B. GRUBER, AND J. G. CONWAY		
060 61	RIVALENT CALIFORNIUM (5F-9). J. G. CONWAY, J. B. GRUBER, E. K. HULET, R. J. MORROW, AND R. C. GUTMACHER		
033 61	RING IODINE-131 IN THE HUMAN THYROID GLAND. V. A. GRYZGUNOV		
103 61	CULES OF GROUP 2 ELEMENTS. I. V. VEITS AND L. V. GURVICH		
104 61	HE ALKALINE EARTH ELEMENTS. I. V. VEITS AND L. V. GURVICH		
197 61	UM, STRONTIUM, AND BARIUM. I. V. VEITS AND L. V. GURVICH		
060 61	B. GRUBER, E. K. HULET, R. J. MORROW, AND R. C. GUTMACHER		
184 61	UCRL-9309 IBM PROGRAM GUTS. DETAILED DESCRIPTION AND FLOW. F. SAFIER AND C. HANSEN		
336 61	733 NUCLEAR MAGNETIC RESONANCE STUDIES, PART 1. H-1 TEMPERATURE DEPENDENT CHEMICAL SHIFTS, PART 2. F-19 SPIN-S		
478 61	UCRL-9763 DISSOCIATION OF POSITIVE H-2 IONS BY A MAGNETIC FIELD. S. KAPLAN, G. A. PAULIKAS, AND		
084 61	CER STUDIES IN HYDROGEN ADAPTED SCENEDESMUS USING H-3 AND C-14. R. A. GOLDSBY		
064 61	UCRL-9699 CARRIER FREE SEPARATION OF HAFNIUM FROM RARE EARTH OXIDES. M. I. TOCHER AND J. M. HOLLAN		
347 61	N HEAVY ION INDUCED FISSION. T. SIKKELAND, E. L. HAINES, AND V. E. VIOLA		
115 61	UCTION OF A HIGH TEMPERATURE ROTATING PLASMA. K. HALBACH, D. VERON, AND W. R. BAKER		
214 61	IDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON		
215 61	IDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON		
148 61	UCRL-9765 AN ALPHA AIR PROPORTIONAL HAND AND FOOT COUNTER. W. J. ROACH AND R. J. WALKER		
153 61	UCRL-9853 A SIMPLE, TRANSISTORIZED BETA-GAMA HAND AND SHOE MONITOR. R. J. WALKER AND W. J. ROACH		
138 61	LUTION IN SEMICONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULDING		
139 61	TION IN SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULDING		
133 61	LUTION CHARACTERISTICS. F. S. GOULDING AND W. L. HANSEN		
184 61	DETAILED DESCRIPTION AND FLOW. F. SAFIER AND C. HANSEN		
164 61	LECTRODE DAMAGE CAUSED BY SPARKS IN VACUUM. C. A. HARRIS		
433 61	BEVATRON OPERATION AND DEVELOPMENT 27-29. W. D. HARTSOUGH AND G. R. LAMBERTSON		
431 61	B BEVATRON OPERATION AND DEVELOPMENT. 26. W. D. HARTSOUGH		
238 61	RON REACTIONS ON ODD-ODD TARGETS. J. CERNY, B. G. HARVEY, AND R. H. PEHL		
389 61	PROTON) N-14. J. CERNY, N. K. GLENDEENING, B. G. HARVEY, R. H. PEHL, AND E. RIVET		
094 61	NALYSIS FOR OXYGEN AND OTHER ELEMENTS BY MEANS OF HE-3 INDUCED NUCLEAR REACTIONS. S. S. MARKOWITZ AND J. D. MAHO		
208 61	E ISOTOPES MADE BY THE BOMBARDMENT OF BI-209 WITH HE-3. E. T. STROM		
179 61	UCRL-9422 A VISIT TO SEVERAL HEALTH PHYSICS DEPARTMENTS IN WESTERN EUROPE AND TO THE SYMPO		
476 61	UCRL-9723 THE HEAT CAPACITY OF SILVER OXIDE AT LOW TEMPERATURES. L. V. GREG		
172 61	UCRL-TRANS-677 ON THE PROBLEM OF HEAT EXCHANGE DURING LIQUID BOILING IN TUBES. I. P. VISHNEV		
101 61	UCRL-TRANS-694 STUDY OF HEAT EXCHANGE IN THE BOILING OF WATER AND ETHYL ALCOHOL IN TUB		
485 61	L-9885 A THEORETICAL CONSIDERATION OF ASYMMETRIC HEAT FLOW AT THE INTERFACE OF THE DISSIMILAR METALS. J. S. MO		
237 61	UCRL-9524 DECAY-ENERGY SYSTEMATICS OF THE HEAVY ELEMENTS. I. PERLMAN AND F. ASARO		
435 61	UCRL-9600 HEAVY ION ACCELERATORS. E. L. HUBBARD		
261 61	CRL-9560-ABSTRACT CHARGED PARTICLE SPECTRA FROM HEAVY ION BOMBARDMENT. H. H. HECKMAN, D. V. REAMES, AND W. G.		
306 61	UCRL-9650 HEAVY ION ELASTIC SCATTERING. J. ALSTER		
288 61	UCRL-9619 ANGULAR DISTRIBUTIONS FROM HEAVY ION INDUCED FISSION. V. E. VIOLA		
347 61	UCRL-9751 MOMENTUM TRANSFER IN HEAVY ION INDUCED FISSION. T. SIKKELAND, E. L. HAINES, AND V.		
220 61	UCRL-9459 THE RADIO FREQUENCY EXCITATION OF THE HEAVY ION LINEAR ACCELERATOR. F. VOELKER		
432 61	UCRL-9453 HEAVY ION LINEAR ACCELERATOR. E. L. HUBBARD, W. R. BAKER, K.		
470 61	EQUILIBRIUM ELECTRONIC CHARGE DISTRIBUTIONS FOR HEAVY IONS. W. G. SIMON, H. H. HECKMAN, AND E. L. HUBBARD		
105 61	UCRL-TRANS-737 INCORPORATION OF O-18 FROM HEAVY OXYGEN WATER IN VIOLAXANTHENE UNDER THE EFFECT OF LIGHT		

- 010 61 UCRL-9596-ABSTRACT BIOLOGICAL EFFECTS OF HEAVY RADIATION PARTICLES. C. A. TOBIAS
470 61 DISTRIBUTIONS FOR HEAVY IONS. W. G. SIMON, H. H. HECKMAN, AND E. L. HUBBARD
261 61 RTICLE SPECTRA FROM HEAVY ION BOMBARDMENT. H. H. HECKMAN, D. V. REAMES, AND W. G. SIMON
429 61 RENCOE ON INSTRUMENTATION FOR HIGH ENERGY PHYSICS, HELD AT LAWRENCE RADIATION LABORATORY, BERKELEY, SEPTEMBER 12-
179 61 MPOSIUM ON SELECTED TOPICS IN RADIATION DOSIMETRY HELD AT THE INTERNATIONAL ATOMIC ENERGY AGENCY IN VIENNA JUNE
185 61 ESSING PARTIAL PROCEEDINGS OF AN INFORMAL MEETING HELD SEPTEMBER 15, 1960 AT LAWRENCE RADIATION LABORATORY. P.
325 61 TERING OF 915 MEV ALPHA PARTICLES FROM CARBON AND HELIUM, DIRECT EVIDENCE FOR ALPHA PARTICLE CLUSTERING IN NUCLE
289 61 O, AND 1020 MEV. C. D. WOOD, T. J. DEVLIN, J. A. HELLAND, M. J. LONGO, B. J. MOYER, AND V. PEREZ-MENDEZ
369 61 CONDUCTIVITY TESTS AND STUDIES. P. R. ARON, H. P. HERNANDES, AND H. C. HITCHCOCK
049 61 NTS AND THEIR DEPENDENCE UPON BOND LENGTH. D. R. HERSCHBACH AND V. W. LAURIE
063 61 94 TABLE OF VIBRATIONAL FORCE CONSTANTS. D. R. HERSCHBACH AND V. W. LAURIE
081 61 ICAL REACTIONS IN CROSSED MOLECULAR BEAMS. D. R. HERSCHBACH
054 61 ECULAR BEAMS. K ATOMS WITH CH3I AND C2H5I. D. R. HERSCHBACH, G. H. KWEI, AND J. A. NORRIS
077 61 TION AND DIELECTRIC CONSTANT FOR FREON-13. W. N. HESS, R. L. MATHER, AND R. A. NOBLES
202 61 DROGEN AND OTHER ELEMENTS. J. H. ATKINSON, W. N. HESS, V. PEREZ-MENDEZ, AND R. WALLACE
466 61 NT PLUTONIUM, 6-H-5/2 GOES TO J EQUALLYING 11/2 IN HEXAGONAL SINGLE CRYSTALS. H. LAMMERMANN AND J. G. CONWAY
066 61 G STRUCTURE AND HYDROGEN BONDING OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, D. H. TEMPLETON, AND H. W. RUBEN
082 61 RL-9802 THE CRYSTAL STRUCTURE OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, H. RUBEN, AND D. H. TEMPLETON
334 61 UCRL-9731 THE DECAY OF HF-173. J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDER
331 61 UCRL-9728 A UNIFIED DYNAMICAL APPROACH TO HIGH- AND LOW-ENERGY STRONG INTERACTIONS. S. C. FRAUTSCHI
187 61 UCRL-9621 STATISTICAL METHODS IN HIGH-ENERGY PHYSICS. M. KRETZSCHMAR
166 61 UCRL-9506 GLASS CATHODES IN VACUUM INSULATED HIGH-VOLTAGE SYSTEMS. J. J. MURRAY
004 61 ATING BEHAVIOR IN DROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
005 61 ATING BEHAVIOR IN DROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
020 61 ILIZATION IN D MELANOGASTER AND D VIRILIS. P. E. HILDRETH AND J. C. LUCCHESI
012 61 FERTILIZED EGGS OF DROSOPHILA MELANOGASTER. P. E. HILDRETH
276 61 EUTRON AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICHS
310 61 G INTERACTIONS. N. XUONG, G. R. LYNCH, AND C. K. HINRICHS
277 61 UTRONS AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICHS, B. J. MOYER, J. A. POIRER, AND P. M. OGDEN
266 61 S AND ANTINEUTRON ANNIHILATION IN HYDROGEN. C. K. HINRICHS, B. J. MOYER, P. M. OGDEN ET AL
369 61 D STUDIES. P. R. ARON, H. P. HERNANDES, AND H. C. HITCHCOCK
479 61 N HIGH DC MAGNETIC FIELDS. P. R. ARON, AND H. C. HITCHCOCK
209 61 ENTUM RANGE 1 TO 4 BEV/C. V. COOK, B. CORK, T. F. HOANG ET AL
339 61 FROM 0.6 BEV TO 3.5 BEV. V. COOK, B. CORK, T. F. HOANG, D. KEEFE, L. T. KERTH, W. A. WENZEL, AND T. F. ZIPF
286 61 THE ELASTIC SCATTERING OF 24-MEV DEUTERONS. D. G. HOFFMAN
194 61 IN CU-12.0 PERCENT AL ALLOY. G. THOMAS AND M. C. HOFFSTUTLER
334 61 Y OF HF-173. J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDER
284 61 SION METHOD. S. HULTBERG, D. J. HOREN, AND J. M. HOLLANDER
368 61 STATE IN Y-86. Y. E. KIM, D. J. HOREN, AND J. M. HOLLANDER
285 61 GER SPECTRUM OF URANIUM. R. G. ALBRIDGE AND J. M. HOLLANDER
064 61 M FROM RARE EARTH OXIDES. M. J. TOCHER AND J. M. HOLLANDER
463 61 COEFFICIENTS. S. HULTBERG, D. J. HOREN, AND J. M. HOLLANDER
214 61 HE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON
215 61 HE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND J. H. HAMILTON
241 61 IR-182, IR-183, AND IR-184. R. M. DIAMOND, J. M. HOLLANDER, D. J. HOREN ET AL
360 61 I NEUTRONS). J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDERS
123 61 UCRL-9899-ABSTRACT A HOLLOW CATHODE STRONTIUM PLASMA SOURCE. H. F. RUGGE, G. A. PA
246 61 41-ABSTRACT NEUTRON-DEFICIENT ALPHA EMITTERS OF HOLMIUM. R. D. MACFARLANE AND R. D. GRIFFIEON
405 61 UCRL-9929-ABSTRACT NUCLEAR SPIN OF HOLMIUM-161. B. BUDICK AND R. MARRUS
241 61 ND IR-184. R. M. DIAMOND, J. M. HOLLANDER, D. J. HOREN ET AL
284 61 L EXTERNAL CONVERSION METHOD. S. HULTBERG, D. J. HOREN, AND J. M. HOLLANDER
334 61 L-9731 THE DECAY OF HF-173. J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDER
360 61 72(71) PROTONS, 101 NEUTRONS). J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDERS
368 61 -9812 ISOMERIC STATE IN Y-86. Y. E. KIM, D. J. HOREN, AND J. M. HOLLANDER
463 61 RNAL CONVERSION COEFFICIENTS. S. HULTBERG, D. J. HOREN, AND J. M. HOLLANDER
257 61 MESONS IN DEUTERIUM AND HYDROGEN. D. I. DAHL, N. HORWITZ, D. H. MILLER, AND J. J. MURRAY
235 61 A PLUS NEGATIVE-PION PLUS PROTON. D. I. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND P. G. WHITE
297 61 SIGMA-NEGATIVE, NEUTRON INTERACTION. O. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND J. SCHWARTZ
338 61 VE K- MESON INTERACTION IN DEUTERIUM. O. DAHL, N. HORWITZ, D. MILLER, J. MURRAY, AND M. WATSON
185 61 1960 AT LAWRENCE RADIATION LABORATORY. P. V. C. HOUGH AND J. L. BROWN, EDITORS
181 61 TIONS. E. S. FLEISCHER, T. C. PARSONS, AND P. W. HOWE
144 61 TLR SLAVES. L. E. MILES, T. C. PARSONS, AND P. W. HOWE
062 61 HEMISTRY. N. C. SPENCER, T. C. PARSONS AND P. W. HOWE
078 61 -1, 2- DICHLOROETHYLENE. W. H. FLYGARE AND J. A. HOWE
481 61 UCRL-9794 STRONG FIELD STARK EFFECT. J. A. HOWE, AND W. H. FLYGARE
085 61 R ORBITAL THEORY OF THE DICHLOROETHYLENES. J. A. HOWE, J. S. MUIRHEAD, AND J. H. GOLDSTEIN
167 61 ERATIONS AT LAWRENCE RADIATION LABORATORY. P. W. HOWE, T. C. PARSONS, AND L. E. MILES
470 61 EAVY IONS. W. G. SIMON, H. H. HECKMAN, AND E. L. HUBBARD
434 61 UCRL-9567 LINEAR ION ACCELERATORS. E. L. HUBBARD
432 61 UCRL-9453 HEAVY ION LINEAR ACCELERATOR. E. L. HUBBARD, W. R. BAKER, K. W. EHLERS, H. S. GORDON, R. M. MAIN,
435 61 UCRL-9600 HEAVY ION ACCELERATIONS. E. L. HUBBARD
028 61 METABOLISM OF ISOLATED RAT LIVER. V. MOSES, A. K. HUGGINS, AND M. J. H. SMITH
358 61 ION SPECTRUM OF CALIFORNIUM. J. G. CONWAY, E. K. HULET, AND R. J. MORROW
060 61 ORNIUM (5F-9). J. G. CONWAY, J. B. GRUBER, E. K. HULET, R. J. MORROW, AND R. C. GUTMACHER
284 61 N OF THE INTERNAL EXTERNAL CONVERSION METHOD. S. HULTBERG, D. J. HOREN, AND J. M. HOLLANDER
463 61 UREMENTS OF INTERNAL CONVERSION COEFFICIENTS. S. HULTBERG, D. J. HOREN, AND J. M. HOLLANDER
052 61 UCRL-9571 STUDIES ON HUMAN SERUM PHOSPHOLIPIDS AND PHOSPHOLIPID FATTY ACID COMPOSIT
033 61 -682 RADIOMETER FOR MEASURING IODINE-131 IN THE HUMAN THYROID GLAND. V. A. GRYZGUNOV
410 61 RS FOR THE LOW ENERGY K-MESON, PROTON SYSTEM. W. HUMPHREY AND R. ROSS
348 61 BY NEGATIVE K-MESONS INCIDENT ON HYDROGEN. W. E. HUMPHREY
259 61 598-ABSTRACT LEPTONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, AND J. LEITNER
260 61 OW RATES OF ELECTRONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD ET AL
282 61 CAY OF SIGMA-NEGATIVE AND LAMBDA HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, J. LEITNER, AND Y. I. RHE
323 61 UCRL-9706 ON THE GENTLE ART OF HUNTING BUMPS IN THE PION HYPERON SYSTEM. L. T. KERTH AND A.
204 61 THE ISOTOPES OF THE TRANSURANIUM ELEMENTS. E. K. HYDE
450 61 OPES OF THORIUM, PROCTACTINIUM AND URANIUM. E. K. HYDE
468 61 ELECTRON ENERGIES, AND FLUORESCENT YIELDS. E. K. HYDE
059 61 UCRL-9615 HYDRIDES OF GERMANIUM, TIN, ARSENIC AND ANTIMONY. W. L. JOLLY
467 61 L-9630 SOME PHYSICAL PROPERTIES OF THE VOLATILE HYDRIDES. W. L. JOLLY
069 61 UCRL-9709 THE PREPARATION OF SOME GERMANIUM HYDRIDES. J. E. DRAKE
089 61 UCRL-9842 HYDROBORATE CHEMISTRY. R. MESMER
240 61 COUPLED HYPERFINE SPLITTING CONSTANTS IN AROMATIC HYDROCARBONS. J. V. ACRIVOS
084 61 UCRL-9806 TRACER STUDIES IN HYDROGEN ADAPTED SCENEDESUS USING H-3 AND C-14. R. A. GOLDSB
354 61 OF TOTAL CROSS SECTIONS OF NEGATIVE K- MESONS IN HYDROGEN AND DEUTERIUM IN THE MOMENTUM REGION 630 MEV/C TO 110

226 61 UCRL-9491 PHOTOMESON PRODUCTION FROM HYDROGEN AND DEUTERIUM. R. W. KENNEY, E. A. KNAPP, V. PEREZ-M
 202 61 UCRL-8966-REV 5-BEV NEUTRON CROSS SECTIONS IN HYDROGEN AND OTHER ELEMENTS. J. H. ATKINSON, W. N. HESS, V. P
 488 61 Y OF THE STABILITY OF A HIGH CURRENT DISCHARGE IN HYDROGEN AT LOW INTENSITIES OF THE ELECTRICAL FIELD. M. D. BO
 254 61 9551-ABSTRACT NEGATIVE K- MESON INTERACTIONS IN HYDROGEN AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ, P. EBERHARD
 300 61 POLARIZATION AND CORRELATION TENSORS IN ELECTRON HYDROGEN ATOM SCATTERING. P. G. BURKE AND H. M. SCHEY
 066 61 UCRL-9702-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, D.
 067 61 UCRL-9703-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF SODIUM CHROMATE TETRAHYDRATE. D. H. TEMPL
 427 61 UCRL-9738 ANTI-PROTON EXPERIMENTS IN A HYDROGEN BUBBLE CHAMBER. F. SOLMITZ
 156 61 UCRL-9901-ABSTRACT A LIQUID HYDROGEN CERENKOV COUNTER. C. M. YORK, J. A. KADYK, AND T. F.
 484 61 CT ELECTRON DRIFT AND DIFFUSION MEASUREMENTS IN HYDROGEN IN A TRANSVERSE STRONG MAGNETIC FIELD. M. J. BERNSTE
 111 61 L-9528 A DEVICE FOR GENERATING A HIGHLY IONIZED HYDROGEN PLASMA. J. M. WILCOX, A. W. DESILVA, W. S. COOPER I
 110 61 CRL-9509 ION DENSITY MEASUREMENTS IN A DECAYING HYDROGEN PLASMA. W. S. COOPER, A. W. DESILVA, AND J. M. WILCO
 275 61 UCRL-9587 PION- HYDROGEN RESONANCES. M. H. ALSTON AND M. FERRO-LUZZI
 170 61 UCRL-9824 FABRICATING LIQUID HYDROGEN TARGETS FROM MYLAR. D. L. MEHR
 448 61 UCRL-9388 THERMAL PROPERTIES OF SOLID HYDROGEN UNDER PRESSURE. W. H. ORTTUNG
 276 61 ODUCTION OF ANTINEUTRON AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICHS
 277 61 ODUCTION OF ANTINEUTRONS AND THEIR ANNIHILATION IN HYDROGEN. C. K. HINRICHS, B. J. MOYER, J. A. POIRER, AND P. M
 210 61 TRON TRIPLET PRODUCTION BY HIGH ENERGY PHOTONS IN HYDROGEN. D. C. GATES, R. W. KENNEY, W. P. SWANSON
 396 61 02-ABSTRACT PHOTOPRODUCTION OF POSITIVE-PION IN HYDROGEN. D. MCPHERSON AND R. KENNEY
 257 61 ABSORPTION OF NEGATIVE K-MESONS IN DEUTERIUM AND HYDROGEN. O. I. DAHL, N. HORWITZ, D. H. MILLER, AND J. J. MUR
 308 61 9669-ABSTRACT SCATTERING OF ELECTRONS BY ATOMIC HYDROGEN. P. G. BURKE, V. M. BURKE, AND H. M. SCHEY
 224 61 - AND P-WAVE INTERACTIONS OF NEGATIVE K-MESONS IN HYDROGEN. P. NORDIN
 225 61 -REV S- AND P-WAVE INTERACTIONS OF K- MESONS IN HYDROGEN. P. NORDIN
 345 61 TIC AND CHARGE EXCHANGE SCATTERING OF K-MESONS IN HYDROGEN. R. R. ROSS
 348 61 PERON PRODUCTION BY NEGATIVE K-MESONS INCIDENT ON HYDROGEN. W. E. HUMPHREY
 266 61 N OF ANTINEUTRONS AND ANTINEUTRON ANNIHILATION IN HYDROGEN. C. K. HINRICHS, B. J. MOYER, P. M. OGDEN ET AL
 099 61 ATION OF DIALKYLPHOSPHITES 1. SAPONIFICATION WITH HYDROGEN- AND HYDROXYL-IONS. P. NYLEN
 100 61 HITES, 2. GENERAL ACID- AND BASE CATALYSIS AT THE HYDROLYSIS OF DIETHYLPHOSPHITE. P. NYLEN
 122 61 UCRL-9854-ABSTRACT HYDROMAGNETIC IONIZING FRONTS. W. B. KUNKEL AND R. A. GROSS
 117 61 UCRL-9612 HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R. A. GROSS
 118 61 UCRL-9612-REV-ABSTRACT HYDROMAGNETIC IONIZING WAVES. R. A. GROSS AND W. B. KUNKEL
 119 61 UCRL-9612-REV HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL
 124 61 UCRL-9936-ABSTRACT HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R. A. GROSS
 114 61 UCRL-9601 EXPERIMENTAL STUDY OF HYDROMAGNETIC WAVES IN PLASMA. A. W. DESILVA
 099 61 YLPHOSPHITES 1. SAPONIFICATION WITH HYDROGEN- AND HYDROXYL-IONS. P. NYLEN
 240 61 3(x)3 NUCLEAR SPIN SYSTEM PION- ELECTRON COUPLED HYPERFINE SPLITTING CONSTANTS IN AROMATIC HYDROCARBONS. J. V.
 332 61 UCRL-9729 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF RAE, BI-210. S. S.
 351 61 UCRL-9757 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF AMERICIUM-242. R.
 387 61 UCRL-9869 NUCLEAR SPIN, HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 6,8-DAY LUTETIUM-17
 413 61 UCRL-9949-ABSTRACT HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF PRASEODYMIUM-142.
 203 61 UCRL-9130-REV THE RB-85 - RB-86 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF PRASEODYMIUM-142.
 408 61 UCRL-9942-ABSTRACT HYPERFINE STRUCTURE OF PM-147. B. BUDICK AND R. MARKUS
 320 61 UCRL-9690 NUCLEAR SPIN, HYPERFINE STRUCTURE, AND NUCLEAR MOMENTS OF 64-HOUR YTTRIUM-90
 221 61 UCRL-9480 ATOMIC BEAM RESEARCH ON THE SPINS, HYPERFINE STRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140, AND L
 412 61 UCRL-9948-ABSTRACT AN EXCITED HYPERON OF MASS 1520-MEV. R. D. TRIPP, M. FERRO-LUZZI AND M. B
 348 61 UCRL-9752 HYPERON PRODUCTION BY NEGATIVE K-MESONS INCIDENT ON HYDROGEN.
 322 61 UCRL-9693 SIGMA DECAY MODES OF THE PION HYPERON RESONANCES. P. BASTIEN, M. FERRO-LUZZI AND A. H. ROSE
 323 61 ON THE GENTLE ART OF HUNTING BUMPS IN THE PION HYPERON SYSTEM. L. T. KERTH AND A. PAIS
 409 61 UCRL-9943-ABSTRACT CASCADE CASCADE HYPERONS IN THE REACTION NEGATIVE K- MESON PLUS PROTON YIELDS
 382 61 MODEL FOR NONLEPTONIC DECAYS OF SIGMA AND LAMBDA HYPERONS. V. SINGH AND B. M. UOGAONKAR
 260 61 EVIDENCE FOR LOW RATES OF ELECTRONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD ET AL
 282 61 RATES FOR BETA DECAY OF SIGMA-NEGATIVE AND LAMBDA HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, J. LEITN
 259 61 UCRL-9558-ABSTRACT LEPTONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, AND J. LEI
 030 61 E SPAN IN THE RAT DURING PERIODS OF PHYSIOLOGICAL HYPERTRANSFUSION. H. G. PARKER
 035 61 OLOGICAL ISOTOPE EFFECTS, OBSERVED IN D2O-16 AND H2O-18. S. Z. ROGINSKII AND S. E. SHNOL
 184 61 UCRL-9309 IBM PROGRAM GUTS. DETAILED DESCRIPTION AND FLOW. F. SAFIER AN
 183 61 UCRL-9099 REFERENCE MANUAL FOR KICK IBM PROGRAM. A. H. ROSENFELD ED
 188 61 UCRL-9727 OPTIK, AN IBM 709 COMPUTER PROGRAM FOR THE OPTICS OF HIGH ENERGY PARTICL
 397 61 NS FOR 10.3 MEV PROTONS ON CARBON AND COPPER. G. IGO AND B. WILKINS
 292 61 6 IONS IN ALUMINUM BY THE ATTENUATION METHOD. G. IGO AND B. WILKINS
 293 61 A PARTICLE CLUSTERS IN C-12. T. J. GOODING AND G. IGO
 325 61 TICLE CLUSTERING IN NUCLEI. T. J. GOODING AND G. IGO
 459 61 ATISTICAL THEORY OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. W. WATSON
 460 61 ATISTICAL THEORY OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. W. WATSON
 474 61 NTARY DERIVATION OF THE DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. W. WATSON
 026 61 ROBLEM SOLVING, AMONG RATS RAISED IN ENRICHED AND IMPOVERISHED ENVIRONMENTS. D. KRECH, M. R. ROSENZWEIG, AND E.
 267 61 UCRL-9569 NUCLEAR ORIENTATION OF PARAMAGNETIC IMPURITY IONS. M. KAPLAN AND D. A. SHIRLEY
 348 61 RL-9752 HYPERON PRODUCTION BY NEGATIVE K-MESONS INCIDENT ON HYDROGEN. W. E. HUMPHREY
 077 61 UCRL-9785 MEASUREMENT OF INDEX OF REFRACTION AND DIELECTRIC CONSTANT FOR FREON-13. W.
 310 61 UCRL-9673 ANTI-PROTON PROTON INELASTIC INTERACTIONS AT 1.61 BEV/C AND THEIR USE FOR A TEST
 055 61 UCRL-9584 AN ANALYSIS OF THE INFRARED ABSORPTION SPECTRUM OF TRIVALENT AMERICIUM(5F-6) IN L
 056 61 UCRL-9586 THE INFRARED SPECTRA OF marginally METALLIC SYSTEMS, SODIUM AMMONI
 032 61 UCRL-9958 A PORTABLE DEVICE FOR CONSTANT INFUSION OF THE AMBULATORY PATIENT. R. JOHNSON, P. DOWLING, A
 439 61 AM SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK 2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH,
 440 61 ON SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK-2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH,
 146 61 TRIGGERED NANOSECOND PULSED LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 147 61 L-9726 A PULSED NANOSECOND LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 191 61 UCRL-9579 INORGANIC MATERIALS DIVISION ANNUAL REPORT, 1960.
 065 61 UCRL-9700 INTERPRETATION OF THE INSOMERIC CHEMICAL SHIFTS IN AU-197. D. A. SHIRLEY
 120 61 UCRL-9682 MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN A MAGNETIC FIELD. G. A.
 121 61 UCRL-9682-REV MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN A MAGNETIC FIELD. G. A.
 180 61 UCRL-9651 PORTABLE ALPHA SURVEY INSTRUMENT. W. J. ROACH AND R. J. WALKER
 429 61 UCRL-9343 INTERNATIONAL CONFERENCE ON INSTRUMENTATION FOR HIGH ENERGY PHYSICS, HELD AT LAWRENCE RADI
 137 61 UCRL-9522 INSTRUMENTATION OF MULTICHANNEL COUNTING EXPERIMENTS. F. A. K
 136 61 UCRL-9522-ABSTRACT INSTRUMENTS OF MULTI CHANNEL COUNTER EXPERIMENTS. F. A. KIRST
 166 61 UCRL-9506 GLASS CATHODES IN VACUUM INSULATED HIGH-VOLTAGE SYSTEMS. J. J. MURRAY
 098 61 UCRL-9973-ABSTRACT CALCULATION OF INTEGRAL AND PARTIAL THERMODYNAMIC FUNCTIONS FOR SOLIDS FROM D
 488 61 TY OF A HIGH CURRENT DISCHARGE IN HYDROGEN AT LOW INTENSITIES OF THE ELECTRICAL FIELD. M. D. BORISOV, V. A. SUP
 317 61 IAL AND UNSTABLE IN THE S-MATRIX THEORY OF STRONG INTERACTION. G. F. CHEW AND S. C. FRAUTSCHI
 236 61 DYNAMICAL APPROACH TO HIGH AND LOW ENERGY STRONG INTERACTIONS. G. F. CHEW
 265 61 ES OF A CHARGED VECTOR MESON INTERMEDIARY IN WEAK INTERACTIONS. J. A. YOUNG
 310 61 A TEST OF CHARGE CONJUGATION INVARIANCE IN STRONG INTERACTIONS. N. XUONG, G. R. LYNCH, AND C. K. HINRICHS
 342 61 ES OF A CHARGED VECTOR MESON INTERMEDIARY IN WEAK INTERACTIONS. S. A. BLUDMAN AND J. A. YOUNG
 331 61 DYNAMICAL APPROACH TO HIGH- AND LOW-ENERGY STRONG INTERACTIONS. S. C. FRAUTSCHI

475 61 UCRL-9701 THE S-MATRIX THEORY OF STRONG INTERACTIONS. G. F. CHEW
265 61 TWO PROBLEMS OF STRUCTURE IN THE THEORY OF WEAK INTERACTIONS. PART 1. RADIATIVE PION DECAY INTO ELECTONS. PART
046 61 UCRL-9512 AN INTERFEROMETRIC STUDY OF ATOMIC MERCURY SPECTRAL LINES. R. BE
174 61 ELECTED TOPICS IN RADIATION DOSIMETRY HELD AT THE INTERNATIONAL ATOMIC ENERGY AGENCY IN VIENNA JUNE 7 TO 11, 196
429 61 UCRL-9343 INTERNATIONAL CONFERENCE ON INSTRUMENTATION FOR HIGH ENERGY PH
471 61 UCRL-9668 FRAMES AND LORENTZ INVARIANCE IN GENERAL RELATIVITY. E. LUBKIN
489 61 UCRL-TRANS-697 CLASSICAL GAUGE INVARIANCES OF QUANTIC ELECTRODYNAMICS. B. JOUVET
074 61 CRL-9748 A COMPUTER ANALYSIS FOR COMPLEX SODIUM IODIDE GAMMA SPECTRA. J. F. MOLLENAUER
033 61 UCRL-TRANS-682 RADIOMETER FOR MEASURING IODINE-131 IN THE HUMAN THYROID GLAND. V. A. GRYZGUNOV
159 61 NS-704 A PORTABLE NEUTRON GENERATING TUBE USING ION ACCELERATION. E. A. AB, G. M. ANDRIANOV, R. I. PLOTNIKOV,
435 61 UCRL-9600 HEAVY ION ACCELERATIONS. E. L. HUBBARD
434 61 UCRL-9567 LINEAR ION ACCELERATORS. E. L. HUBBARD
261 61 60-ABSTRACT CHARGED PARTICLE SPECTRA FROM HEAVY ION BOMBARDMENT. H. H. HECKMAN, D. V. REAMES, AND W. G. SIMON
110 61 UCRL-9509 ION DENSITY MEASUREMENTS IN A DECAYING HYDROGEN PLASMA. W. S.
140 61 9538 THICK JUNCTION RADIATION DETECTORS MADE BY ION DRIFT. J. H. ELLIOTT
306 61 UCRL-9650 HEAVY ION ELASTIC SCATTERING. J. ALSTER
347 61 UCRL-9751 MOMENTUM TRANSFER IN HEAVY ION INDUCED FISSION. T. SIKKELAND, E. L. HAINES, AND V. E. VI
288 61 UCRL-9619 ANGULAR DISTRIBUTIONS FROM HEAVY ION INDUCED FISSION. V. E. VIOLA
220 61 459 THE RADIO FREQUENCY EXCITATION OF THE HEAVY ION LINEAR ACCELERATOR. F. VOELKER
432 61 UCRL-9453 HEAVY ION LINEAR ACCELERATOR. E. L. HUBBARD, W. R. BAKER, K. W. EHL
490 61 DISSOCIATION TIMES OF ORGANIC IONS WITH THE FIELD IONIZATION MASS SPECTROMETER. H. D. BECKEY
111 61 UCRL-9528 A DEVICE FOR GENERATING A HIGHLY IONIZED HYDROGEN PLASMA. J. M. WILCOX, A. W. DESILVA, W. S.
122 61 UCRL-9854-ABSTRACT HYDROMAGNETIC IONIZING FRONTS. W. B. KUNKEL AND K. A. GROSS
015 61 9698-ABSTRACT COMPARISON OF CHEMICAL ACTIONS OF IONIZING RADIATION ON PROTEIN IN SOLUTION AND IN THE SOLID STA
013 61 1 STIMULATION OF THE CORNEAL BLINKING REFLEX BY IONIZING RADIATION. C. TOBIAS, J. LUCE, N. YANNI, T. BRUSTAD,
003 61 Y FOR INVESTIGATING BIOLOGICAL EFFECTS OF DENSELY IONIZING RADIATIONS. T. BRUSTAD, P. ARIOTTI, AND J. LYMAN
116 61 UCRL-9612-ABSTRACT THE MAGNETIC SWITCH-ON IONIZING WAVE. R. A. GROSS AND W. B. KUNKEL
117 61 UCRL-9612 HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R. A. GROSS
119 61 UCRL-9612-REV HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL
118 61 UCRL-9612-REV-ABSTRACT HYDROMAGNETIC IONIZING WAVES. R. A. GROSS AND W. B. KUNKEL
124 61 UCRL-9936-ABSTRACT HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R. A. GROSS
478 61 UCRL-9763 DISSOCIATION OF POSITIVE H-2 IONS BY A MAGNETIC FIELD. S. KAPLAN, G. A. PAULIKAS, AND R. V
486 61 L-9920-ABSTRACT COLOR PRODUCTION FROM ENERGETIC IONS IMPINGING ON METALS. K. W. EHLERS
292 61 BSTRACT REACTION CROSS SECTION FOR 160 MEV O-16 IONS IN ALUMINUM BY THE ATTENUATION METHOD. G. IGO AND B. WIL
058 61 THE CHEMICAL INTERACTION OF ACCELERATED CARBON-14 IONS WITH BENZENE. R. T. MULLEN
490 61 UF EXTREMELY SHORT DISSOCIATION TIMES OF ORGANIC IONS WITH THE FIELD IONIZATION MASS SPECTROMETER. H. D. BECKEY
165 61 ODUCT OF E AND B VECTORS DISCHARGE AS A SOURCE OF IONS. K. W. EHLERS
267 61 69 NUCLEAR ORIENTATION OF PARAMAGNETIC IMPURITY IONS. M. KAPLAN AND D. A. SHIRLEY
442 61 N ALTERNATING MAGNETIC FIELD FOR MULTIPLE CHARGED IONS. V. P. DMITRIEVSKII, B. T. ZAMOLODCHIKOV, AND V. V. KOLG
470 61 LIBRIUM ELECTRONIC CHARGE DISTRIBUTIONS FOR HEAVY IONS. W. G. SIMON, H. H. HECKMAN, AND E. L. HUBBARD
245 61 UCRL-9540 FISSION OF URANIUM-238 WITH CARBON IONS. T. SIKKELAND, A. E. LARSH, AND G. E. GORDON
241 61 UCRL-9532 NEUTRON-DEFICIENT IRIDIUM ISOTOPES. IR-182, IR-183, AND IR-184. R. M. DIAMOND, J. M. HOLLANDER, D
241 61 532 NEUTRON-DEFICIENT IRIDIUM ISOTOPES. IR-182, IR-183, AND IR-184. R. M. DIAMOND, J. M. HOLLANDER, D. J. HOR
241 61 N-DEFICIENT IRIDIUM ISOTOPES. IR-182, IR-183, AND IR-184. R. M. DIAMOND, J. M. HOLLANDER, D. J. HOREN ET AL
198 61 UCRL-9532 NEUTRON-DEFICIENT IRIDIUM ISOTOPES. IR-182, IR-183, AND IR-184. R. M. DIAMOND,
199 61 ARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITTSCH
016 61 UCRL-9715 THE FINE STRUCTURE OF NORMALIZED IRRADIATED YEAST CELLS AND YEAST RIBOSOMES. J. K. KOEHLER
029 61 9849 COMPARISON OF THE EFFECTS OF WHOLE BODY X-IRRADIATION AND FASTING ON THE PLASMA LIPIDS OF MICE. C. S. R
096 61 C CHEMISTRY. I. COMPOUNDS RESULTING FROM ELECTRON IRRADIATION OF C14H4. C. PALM AND M. CALVIN
018 61 UCRL-9755 SELECTIVE BETA IRRADIATION OF THE LYMPHATIC SYSTEM USING INTERNALLY ADMINISTE
022 61 UCRL-9799 BIOELECTRIC EFFECTS OF HIGH ENERGY IRRADIATION ON NERVE. C. T. GAFFEY
095 61 UCRL-9924 THE RADIOLYSIS OF LIQUID ISOBUTANE WITH PULSED ELECTRONS. B. Y. YAMAMOTO, A. F. SCIAMIA
028 61 N IN TRACER STUDIES OF INTERMEDIARY METABOLISM OF ISOLATED RAT LIVER. V. MOSES, A. K. HUGGINS, AND M. J. H. SMIT
403 61 UCRL-9927-ABSTRACT NUCLEAR SPIN OF ISOMERIC AU-196. Y. W. CHAN, W. B. EWANK, W. A. NIERENBERG, A
048 61 UCRL-9530-ABSTRACT ISOMERIC CHEMICAL SHIFTS IN ODD PROTON NUCLEI. D. A. SHIRLEY
242 61 UCRL-9534 ISOMERIC CROSS-SECTION RATIO FOR THE ALPHA, PROTON NEUTRON REA
368 61 UCRL-9812 ISOMERIC STATE IN Y-86. Y. E. KIM, D. J. HOREN, AND J. M. HOL
388 61 UCRL-9870 AN ALPHA EMITTING ISOMERIC STATE OF TB-149. R. D. MACFARLANE
062 61 CLOSE CAPTURE ADSORPTION SYSTEM FOR REMOTE RADIO-ISOTOPE CHEMISTRY. N. C. SPENCER, T. C. PARSONS AND P. W. HOW
035 61 A POSSIBLE EXPLANATION OF ANOMALIES IN BIOLOGICAL ISOTOPE EFFECTS, OBSERVED IN D2O-16 AND H2O-18. S. Z. ROGINSK
208 61 THE CROSS SECTIONS FOR THE FORMATION OF ASTATINE ISOTOPES MADE BY THE BOMBARDMENT OF BI-209 WITH HE-3. E. T. S
204 61 UCRL-9148 THE RADIOACTIVE DECAY OF THE ISOTOPES OF THE TRANSURANIC ELEMENTS. E. K. HYDE
450 61 UCRL-9458 THE ISOTOPES OF THORIUM, PROTACTINIUM AND URANIUM. E. K. HYDE
477 61 CRL-9747 NUCLEAR ORIENTATION OF SOME RARE-EARTH ISOTOPES. C. A. LOVEJOY
234 61 ECAY STUDIES IN THE FAMILIES OF THE LIGHT URANIUM ISOTOPES. C. P. RUIZ
241 61 UCRL-9532 NEUTRON-DEFICIENT IRIDIUM ISOTOPES. IR-182, IR-183, AND IR-184. R. M. DIAMOND, J. M. HO
249 61 UCRL-9544 TEST OF ISOTOPIC SPIN CONSERVATION FROM AN EXPERIMENT LIMIT ON CROSS S
023 61 OTEIN IN AQUEOUS SOLUTION. W. M. GARRISON, M. E. JAYKO, AND W. BENNETT
032 61 CONSTANT INFUSION OF THE AMBULATORY PATIENT. R. JOHNSON, P. DOWLING, AND D. VAN DYKE
059 61 S OF GERMANIUM, TIN, ARSENIC AND ANTIMONY. W. L. JOLLY AND J. E. DRAKE
045 61 ELECTRIC DISCHARGES IN CHEMICAL SYNTHESIS. W. L. JOLLY
467 61 SICAL PROPERTIES OF THE VOLATILE HYDRIDES. W. L. JOLLY
489 61 GAUGE INVARIANCES OF QUANTIC ELECTRODYNAMICS. B. JOUVET
372 61 UCRL-9830 ENERGY LEVELS OF ER(2). B. R. JUDD AND L. C. MARQUET
386 61 FOR CONFIGURATION OF EQUIVALENT ELECTRONS. B. R. JUDD
359 61 LOW-LYING LEVELS IN CERTAIN ACTINIDE ATOMS. B. R. JUDD
313 61 LYING LEVELS IN SEVERAL TRANSURANIC ATOMS. B. R. JUDD
438 61 ON FUTURE HIGH ENERGY PROTON ACCELERATOR. D. L. JUDD
133 61 UCRL-9436 LEAKAGE CURRENT IN SEMICONDUCTOR JUNCTION RADIATION DETECTORS AND ITS INFLUENCE ON ENERGY RESOL
140 61 UCRL-9538 THICK JUNCTION RADIATION DETECTORS MADE BY ION DRIFT. J. H. ELLIOTT
195 61 MCWHAN, P. W. MONTGOMERY, H. D. STROMBERG, AND G. JURA
169 61 W. MONTGOMERY, H. STROMBERG, G. H. LURA, AND G. JURA
054 61 REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS. K ATOMS WITH CH3I AND C2H5I. D. R. HERSCHBACH, G. H. KWEI, AN
303 61 UCRL-9643-ABSTRACT THE NEGATIVE K MESON, PROTON INTERACTION IN THE 400 MEV/C REGION. R. TRIPP
285 61 UCRL-9609 THE K- AND L- AUGER SPECTRUM OF URANIUM. R. G. ALBRIDGE AND J. M.
384 61 UCRL-9866 A NEW DETERMINATION OF THE POSITIVE K- MESON DECAY BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L
338 61 UCRL-9735 NEGATIVE K- MESON INTERACTION IN DEUTERIUM. O. DAHL, N. HORWITZ, D. MIL
254 61 UCRL-9551-ABSTRACT NEGATIVE K- MESON INTERACTIONS IN HYDROGEN AT 1.15 BEV/C. M. ALSTON, L
340 61 UCRL-9739 K- MESON INTERACTIONS, EXPERIMENTAL. D. MILLER
407 61 ON PLUS PROTON YIELD POSITIVE SIGMA PLUS POSITIVE K- MESON NEAR THRESHOLD. F. GRARD AND G. A. SMITH
248 61 UCRL-9543 ANTI-K- MESON NUCLEON BOUND-STATE INTERPRETATION OF THE 1385-MEV PI
324 61 UCRL-9708 THE K- MESON NUCLEON INTERACTION. L. T. KERTH
381 61 UCRL-9859-ABSTRACT NEGATIVE K- MESON PLUS PROTON INTERACTIONS AT 1.15 BEV/C. M. ALSTON, L

409 61 TRACT CASCADE HYPERONS IN THE REACTION NEGATIVE K- MESON PLUS PROTON YIELDS XI PLUS K-MESON AT 1.2 BEV/C. L.
 393 61 UCRL-9892 EXPERIMENTAL STUDY OF THE K- MESON YIELDS POSITRON PLUS NEUTRAL PION PLUS NEUTRINO DECAY
 380 61 UCRL-9858 THE POSITIVE K- MESON, DEUTERON CHARGE EXCHANGE REACTION FROM 52 TO 456 MEV
 251 61 UCRL-9547 A RESONANCE IN THE K- MESON, PION SYSTEM. M. ALSTON, L. W. ALVAREZ, P. EBERHARD E
 339 61 UCRL-9736 THE NEGATIVE K- MESON, PROTON AND NEUTRON INTERACTION FROM 0.6 BEV TO 3.5 B
 354 61 MEASUREMENT OF TOTAL CROSS SECTIONS OF NEGATIVE K- MESONS IN HYDROGEN AND DEUTERIUM IN THE MOMENTUM REGION 630
 225 61 UCRL-9489-REV S- AND P-WAVE INTERACTIONS OF K- MESONS ON HYDROGEN. P. NORDIN
 321 61 CRL-9691 CHARGE EXCHANGE SCATTERING OF POSITIVE K- MESONS ON DEUTERONS. W. LEE
 409 61 TION NEGATIVE K- MESON PLUS PROTON YIELDS XI PLUS K-MESON AT 1.2 BEV/C. L. W. ALVAREZ, J. BUTTON, G. R. KALBFLE
 335 61 UREMENTS OF POSITIVE K-MESON, PROTON AND POSITIVE K-MESON NEUTRON INTERACTIONS IN THE MOMENTUM REGION 0.77 TO 2.
 235 61 RESONANCE ON CORRELATIONS IN THE REACTION POSITIVE K-MESON PLUS PROTON YIELDS LAMBDA PLUS NEGATIVE-PION PLUS PROT
 281 61 UCRL-9604 THE CUSP IN LAMBDA, K-MESON PRODUCTION AT SIGMA, K-MESON THRESHOLD. S. E. WOLF, N
 281 61 THE CUSP IN LAMBDA, K-MESON PRODUCTION AT SIGMA, K-MESON THRESHOLD. S. E. WOLF, N. SCHMITZ, L. J. LLOYD, W. LA
 209 61 UCRL-9386 NEGATIVE K-MESON, PROTON AND NEGATIVE K-MESON, NEUTRON CROSS SECTIONS IN THE MOMENTUM RANGE 1 TO 4 B
 209 61 UCRL-9386 NEGATIVE K-MESON, PROTON AND NEGATIVE K-MESON, NEUTRON CROSS SECTIONS I
 335 61 32 TOTAL CROSS SECTION MEASUREMENTS OF POSITIVE K-MESON, PROTON AND POSITIVE K-MESON NEUTRON INTERACTIONS IN T
 304 61 AND LAMBDA, PION PRODUCTION AND DECAY IN NEGATIVE K-MESON, PROTON COLLISIONS. R. H. DALITZ AND D. H. MILLER
 344 61 UCRL-9745 THE POSITIVE K-MESON, PROTON INTERACTION AT 455-MEV. T. F. STUBBS, S. BRADN
 269 61 UCRL-9573-ABSTRACT POSITIVE K-MESON, PROTON INTERACTIONS BELOW 100 MEV. T. STUBBS, S. GOL
 410 61 ERO EFFECTIVE RANGE PARAMETERS FOR THE LOW ENERGY K-MESON, PROTON SYSTEM. W. HUMPHREY AND R. ROSS
 309 61 S IN THE ANGULAR DISTRIBUTION OF NEUTRAL PION AND K-MESONS FORM ANTI-PROTON ANNIHILATIONS IN FLIGHT. B. C. MAGLIC
 280 61 UCRL-9597 A STUDY OF K-MESONS IN ANTI-PROTON, PROTON ANNIHILATION. G. R. KALBFLEISCH
 257 61 UCRL-9556-ABSTRACT ABSORPTION OF NEGATIVE K-MESONS IN DEUTERIUM AND HYDROGEN. D. I. DAHL, N. HORWITZ, D
 224 61 CRL-9489 S- AND P-WAVE INTERACTIONS OF NEGATIVE K-MESONS IN HYDROGEN. P. NORDIN
 345 61 -9749 ELASTIC AND CHARGE EXCHANGE SCATTERING OF K-MESONS IN HYDROGEN. R. R. ROSS
 348 61 UCRL-9752 HYPERON PRODUCTION BY NEGATIVE K-MESONS INCIDENT ON HYDROGEN. W. E. HUMPHREY
 227 61 UCRL-9492 NEGATIVE XI PRODUCTION BY NEGATIVE K-MESONS. W. B. FOWLER, R. W. BIRGE, P. EBERHARD ET AL
 315 61 TRACT TEST OF CHARGE SYMMETRY OF K-POSITIVE AND K-NEUTRAL MESONS. J. BUTTON, F. CRAWFORD, M. L. STEVENSON ET
 315 61 UCRL-9680-ABSTRACT TEST OF CHARGE SYMMETRY OF K-POSITIVE AND K-NEUTRAL MESONS. J. BUTTON, F. CRAWFORD, M. L.
 326 61 12 AN EXPERIMENTAL DETERMINATION OF THE NEUTRAL K-1 MESON - NEUTRAL K-2 MESON MASS DIFFERENCE. R. P. MATSEN
 326 61 DETERMINATION OF THE NEUTRAL K-1 MESON - NEUTRAL K-2 MESON MASS DIFFERENCE. R. P. MATSEN
 221 61 N THE SPINS, HYPERFINE STRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140, AND LU-177. F. R. PETERSEN
 355 61 UCRL-9764 SCATTERING IN THE K=0 BAND OF ODD-ODD DEFORMED NUCLEI. N. D. NEWBY
 287 61 E SPACE DISTRIBUTION BY MONTE CARLO METHOD. J. A. KADYK
 384 61 OE, D. SINCLAIR, J. L. BROWN, D. A. GLASER, J. A. KADYK, AND G. H. TRILLING
 156 61 QUID HYDROGEN CERENKOV COUNTER. C. M. YORK, J. A. KADYK, AND T. F. ZIPP
 393 61 US NEUTRINO DECAY INTERACTION. J. L. BROWN, J. A. KADYK, G. H. TRILLING, R. T. VAN DE WALLE, B. P. ROE AND D. SI
 280 61 MESONS IN ANTI-PROTON, PROTON ANNIHILATION. G. R. KALBFLEISCH
 309 61 OTON ANNIHILATIONS IN FLIGHT. B. C. MAGLIC, G. R. KALBFLEISCH, AND M. L. STEVENSON
 409 61 ON AT 1.2 BEV/C. L. W. ALVAREZ, J. BUTTON, G. R. KALBFLEISCH, D. H. MILLER, A. H. ROSENFELD, M. L. STEVENSON AN
 267 61 AR ORIENTATION OF PARAMAGNETIC IMPURITY IONS. M. KAPLAN AND D. A. SHIRLEY
 256 61 RESONANT ABSORPTION IN AU-197. D. A. SHIRLEY, M. KAPLAN, AND P. AXEL
 395 61 OMS, TH-232, U-235, AND U-238. J. A. DIAZ, S. N. KAPLAN, AND R. V. PYLE
 478 61 ION OF POSITIVE H-2 IONS BY A MAGNETIC FIELD. S. KAPLAN, G. A. PAULIKAS, AND R. V. PYLE
 416 61 ON NEUTRON, GAMMA RAY ON NATURAL CHLORINE. N. T. KASHUKEEV, I. P. POPOV, AND F. L. SHAPIRO
 474 61 E DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
 449 61 E EQUATION OF STATE OF A GAS OF MOLECULES. A. N. KAUFMAN AND K. M. WATSON
 460 61 E DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
 459 61 E DIELECTRIC CONSTANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
 415 61 S TAKING ACCOUNT OF VELOCITY DISTRIBUTION. M. V. KAZARNOVSKII AND F. L. SHAPIRO
 268 61 RON MASSES AND 1400 ELECTRON MASSES. V. COOK, D. KEEFE, L. T. KERTH ET AL
 354 61 C TO 1100 MEV/C. O. CHAMBERLAIN, K. M. CROWE, D. KEEFE, L. T. KERTH, A. LEMONICK, T. MAUNG, AND T. F. ZIPP
 335 61 MOMENTUM REGION 0.77 TO 2.83 BEV/C. V. COOK, D. KEEFE, L. T. KERTH, P. G. MURPHY, W. A. WENZEL, AND T. F. ZIPP
 339 61 EV TO 3.5 BEV. V. COOK, B. CORK, T. F. HOANG, D. KEEFE, L. T. KERTH, W. A. WENZEL, AND T. F. ZIPP
 370 61 TON PLUS NEGATIVE PION. E. F. BEALL, B. CORK, D. KEEFE, P. G. MURPHY, ET AL
 485 61 E OF THE DISSIMILAR METALS. J. S. MOON AND R. N. KEELER
 295 61 RRELATION ENERGIES WITH APPLICATION TO BORON. H. KELLY
 168 61 CONCERNING LIMITATIONS OF DIFFUSION PUMPS. P. B. KENNEDY
 270 61 UCRL-9575 BREMSSTRAHLUNG. R. W. KENNEY
 396 61 F POSITIVE-PION IN HYDROGEN. D. MCPHERSON AND R. KENNEY
 226 61 ON PRODUCTION FROM HYDROGEN AND DEUTERIUM. R. W. KENNEY, E. A. KNAPP, V. PEREZ-MENDEZ, AND W. A. PERKINS
 290 61 7, AND 460 MEV. L. K. GOODWIN, J. C. CARIS, R. W. KENNEY, V. PEREZ-MENDEZ, AND W. A. PERKINS III
 210 61 H ENERGY PHOTONS IN HYDROGEN. D. C. GATES, R. W. KENNEY, W. P. SWANSON
 146 61 ECOND PULSED LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 147 61 D NANOSECOND LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 158 61 SINGLE ELECTRON STATISTICS. R. F. TUSTING, Q. A. KERNS, AND H. K. KNUDSEN
 157 61 CINTILLATION COUNTER SYSTEM. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
 127 61 FOR DIGITIZING TIME DELAYS. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
 131 61 R A LARGE COUNTER EXPERIMENT. S. C. BAKER, Q. A. KERNS, F. A. KIRSTEN ET AL
 323 61 HUNTING BUMPS IN THE PION HYPERON SYSTEM. L. T. KERTH AND A. PAIS
 268 61 D 1400 ELECTRON MASSES. V. COOK, D. KEEFE, L. T. KERTH ET AL
 324 61 L-9708 THE K- MESON NUCLEON INTERACTION. L. T. KERTH
 354 61 /C. O. CHAMBERLAIN, K. M. CROWE, D. KEEFE, L. T. KERTH, A. LEMONICK, T. MAUNG, AND T. F. ZIPP
 335 61 ION 0.77 TO 2.83 BEV/C. V. COOK, D. KEEFE, L. T. KERTH, P. G. MURPHY, W. A. WENZEL, AND T. F. ZIPP
 339 61 . V. COOK, B. CORK, T. F. HOANG, D. KEEFE, L. T. KERTH, W. A. WENZEL, AND T. F. ZIPP
 203 61 TURE ANOMALY. N. BRASLAU, G. O. BRINK, AND J. M. KHAN
 034 61 HOLOROPHYLL IN THE PRESENCE OF WATER VAPOR. V. E. KHOLMOGOROV AND A. N. TERENIN
 414 61 N AND CRYPTON. V. P. VLASENKO, I. A. GRITS, D. E. KHULELIDZE, ET AL
 183 61 UCRL-9099 REFERENCE MANUAL FOR KICK IBM PROGRAM. A. H. ROSENFELD ED
 195 61 EPTUNIUM, PLUTONIUM, AND AMERICIUM TO 450C AND 30 KILOBARS. D. MCWHAN, P. W. MONTGOMERY, H. D. STROMBERG, AND G
 169 61 ATION OF BRIDGMAN ANVILS, A PRESSURE SCALE TO 125 KILOBARS. P. W. MONTGOMERY, H. STROMBERG, G. H. LURA, AND ()
 230 61 RISON OF 4 PI FAST NEUTRON SPECTROMETERS. C. M. KIM
 337 61 Y A PHOTON IN THE COULOMB FIELD OF A NUCLEUS. Y. KIM
 368 61 UCRL-9812 ISOMERIC STATE IN Y-86. Y. E. KIM, D. J. HOREN, AND J. M. HOLLANDER
 013 61 , J. LUCE, N. YANNI, T. BRUSTAD, J. LYMAN, AND S. KIMURA
 255 61 UCRL-9553 KINEMATICS AND DISPERSION RELATIONS FOR GENERAL PRODUCTION PRO
 350 61 UCRL-9754 PROMPT FISSION YIELDS AND TOTAL KINETIC ENERGY BEHAVIOR FROM TIME OF FLIGHT MEASUREMENTS. J.
 086 61 UCRL-9821 KINETICS OF THE OXIDATION OF MAGNESIUM FLUORIDE. D. R. MESSI
 099 61 UCRL-TRANS-679 THE KINETICS OF THE SAPONIFICATION OF DIALKYLPHOSPHITES 1. SAPONIF
 100 61 UCRL-TRANS-680 THE KINETICS OF THE SAPONIFICATION OF DIALKYLPHOSPHITES, 2. GENERA
 018 61 C SYSTEM USING INTERNALLY ADMINISTERED Y-90 DTPA, KINETICS, DOSIMETRY AND BIOLOGICAL EVALUATION. H. S. WINCHELL
 136 61 ENTS OF MULTI CHANNEL COUNTER EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 137 61 TION OF MULTICHANNEL COUNTER EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 131 61 NTER EXPERIMENT. S. C. BAKER, Q. A. KERNS, F. A. KIRSTEN ET AL

132 61 FFER STORE AND READOUT SYSTEM. F. EVANS AND F. A. KIRSTEN
 128 61 X NUCLEAR PHYSICS EXPERIMENT. S. C. BAKER, F. A. KIRSTEN, D. A. MACK, AND C. WIEGAND
 259 61 LEPTONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, AND J. LEITNER
 260 61 ELECTRONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD ET AL
 282 61 NEGATIVE AND LAMBDA HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, J. LEITNER, AND Y. I. RHEE
 301 61 P. BERGE, P. BASTIEN, O. DAHL, M. FERRO-LUZZI, J. KIRZ, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, R. D. TRIPP
 406 61 REACTIONS IN THE I = ZERO AND THE I = 2 STATE. J. KIRZ, J. SCHWARTZ AND R. D. TRIPP
 043 61 OF AQUEOUS SOLUTIONS OF THE CYCLIC DIPEPTIDES. M. KLAND-ENGLISH AND W. M. GARRISON
 061 61 OPERTIES OF THE ALPHA AMINO ACID. B. M. WEEKS, M. KLAND-ENGLISH, AND W. M. GARRISON
 071 61 OF THE CYCLIC DIPEPTIDES IN AQUEOUS SOLUTION. M. KLAND-ENGLISH, W. BENNETT, AND W. M. GARRISON
 226 61 FROM HYDROGEN AND DEUTERIUM. R. W. KENNEY, E. A. KNAPP, V. PEREZ-MENDEZ, AND W. A. PERKINS
 432 61 E. ANDERSON, R. BERINGER, R. L. GLUCKSTERN, W. J. KNOX, M. S. MALKIN, A. R. QUINTON, L. SCHWARCZ, AND G. W. WHEE
 158 61 TATISTICS. R. F. TUSTING, O. A. KERNS, AND H. K. KNUDSEN
 250 61 VIBRATIONAL LEVELS IN U-232. S. BJORNHOLM, A. B. KNUTSEN, AND O. B. NIELSEN
 016 61 RRADIATED YEAST CELLS AND YEAST RIBOSOMES. J. K. KOEHLER
 442 61 . P. DMITRIEVSKII, B. T. ZAMLODCHIKOV, AND V. V. KOLGA
 428 61 SCINTILLATION DETECTOR OF FAST NEUTRONS. L. I. KOROTKOV, I. V. SIVINTSEV, V. N. CHERNYSHEVICH
 101 61 N TUBES. L. S. STERMAN, V. G. MOROZOV, AND S. A. KOVALEV
 155 61 FFEET IN ELECTRIC DIPOLE INTERNAL CONVERSION. G. KRAMER AND S. G. NILSSON
 291 61 N IN THE PHOTODISINTEGRATION OF THE DEUTERON. G. KRAMER
 019 61 REPLICATION AND EXTENSION. M. R. ROSENZWEIG, D. KRECH, E. L. BENNETT, AND M. C. DIAMOND
 026 61 ED IN ENRICHED AND IMPOVERISHED ENVIRONMENTS. D. KRECH, M. R. ROSENZWEIG, AND E. L. BENNETT
 187 61 STATISTICAL METHODS IN HIGH-ENERGY PHYSICS. M. KRETZSCHMAR
 255 61 N RELATIONS FOR GENERAL PRODUCTION PROCESSES. M. KRETZSCHMAR
 258 61 THE ASYMMETRY IN MUON DECAY. K. M. CROWE AND H. KRUGER
 206 61 UM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. H. KRUGER
 117 61 UCRL-9612 HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R. A. GROSS
 122 61 -ABSTRACT HYDROMAGNETIC IONIZING FRONTS. W. B. KUNKEL AND R. A. GROSS
 124 61 36-ABSTRACT HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R. A. GROSS
 116 61 IC SWITCH-ON IONIZING WAVE. R. A. GROSS AND W. B. KUNKEL
 118 61 DROMAGNETIC IONIZING WAVES. R. A. GROSS AND W. B. KUNKEL
 119 61 L-9612-REV HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL
 484 61 STRONG MAGNETIC FIELD. M. J. BERNSTEIN AND W. B. KUNKEL
 244 61 PRODUCTION BY NEGATIVE PIONS. B. C. BARISH, R. J. KURZ, P. G. MCHANIGAL ET AL
 394 61 ROTON COLLISIONS AT 380 MEV. B. C. BARISH, R. J. KURZ, V. PEREZ-MENDEZ, AND J. SOLOMON
 054 61 OMS WITH CH3I AND C2H5I. D. R. HERSCHBACH, G. H. KWEI, AND J. A. NORRIS
 285 61 UCRL-9609 THE K- AND L- AUGER SPECTRUM OF URANIUM. R. G. ALBRIDGE AND J. M. HOLLAND
 083 61 05 THE BIOCHEMICAL SYNTHESIS OF D-XYLULOSE AND L-RIBULOSE, DETAILS OF THE ACTION OF ACETOBACTER SUBOXYDANS O
 221 61 HYPERFINE STRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140, AND LU-177. F. R. PETERSEN
 006 61 UCRL-9518 BID- RADIOLOGY IN SPACE AND IN THE LABORATORY. R. WALLACE
 356 61 -9768 PULSED NEUTRON EXPERIMENTS IN THE STUDENT LABORATORY
 055 61 SORPTION SPECTRUM OF TRIVALENT AMERICIUM(5F-6) IN LACL3. J. B. GRUBER
 458 61 ABSORPTION SPECTRUM AND ZEEMAN EFFECT OF AM+3 IN LACL3. J. B. GRUBER, AND J. G. CONWAY
 311 61 UCRL-9675 THE SIGMA/ LAMBDA BRANCHING RATIO OF THE LAMBDA- PION SYSTEM WITH RESONAN
 382 61 SISTENT MODEL FOR NONLEPTONIC DECAYS OF SIGMA AND LAMBDA HYPERONS. V. SINGH AND B. M. UDGAONKAR
 282 61 OR LOW RATES FOR BETA DECAY OF SIGMA-NEGATIVE AND LAMBDA HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, J
 411 61 UCRL-9947-ABSTRACT PRODUCTION OF THE Y LAMBDA PION SYSTEM ON NEUTRONS IN CARBON. G. GIAL, R. P. ELY
 235 61 THE REACTION POSITIVE K-MESON PLUS PROTON YIELDS LAMBDA PLUS NEGATIVE-PION PLUS PROTON. O. I. DAHL, N. HORWITZ
 248 61 BOUND-STATE INTERPRETATION OF THE 1385-MEV PION, LAMBDA RESONANCE. R. H. DALITZ
 370 61 SIGMA YIELDS PROTON PLUS NEUTRAL PION AND NEUTRAL LAMBDA YIELDS PROTON PLUS NEGATIVE PION. E. F. BEALL, B. CORK
 311 61 L-9675 THE SIGMA/ LAMBDA BRANCHING RATIO OF THE LAMBDA- PION SYSTEM WITH RESONANCE OF ONE. M. H. ALSTON, L. W
 346 61 UCRL-9750-ABSTRACT LAMBDA- PION INTERACTIONS BETWEEN TO AND 180 MEV. G. ALEXAN
 301 61 UCRL-9640 THE PION-LAMBDA RESONANCE, THE LAMBDA-PION SYSTEM WITH RESONANCE OF ONE. J. P. BERGE, P. BAS
 281 61 UCRL-9604 THE CUSP IN LAMBDA, K-MESON PRODUCTION AT SIGMA, K-MESON THRESHOLD. S. E.
 304 61 UCRL-9644 BOSE STATISTICS AND LAMBDA, PION PRODUCTION AND DECAY IN NEGATIVE K-MESON, PROTON
 235 61 UCRL-9514 INFLUENCE OF THE LAMBDA, PION RESONANCE ON CORRELATIONS IN THE REACTION POSITIV
 385 61 UCRL-9867 INTERACTIONS OF LAMBDA S WITH PROTONS. G. ALEXANDER, J. A. ANDERSON, F. S. CRA
 433 61 AND DEVELOPMENT 27-29. W. D. HARTSOUGH AND G. R. LAMBERTSON
 466 61 EQUALLING 11/2 IN HEXAGONAL SINGLE CRYSTALS. H. LAMMERMANN AND J. G. CONWAY
 163 61 S FOR MEASURING SMALL TEMPERATURE CHANGES. S. B. LANG
 195 61 8 PRESSURE TEMPERATURE RESISTANCE PROPERTIES OF LANTHANUM, BISMUTH, NEPTUNIUM, PLUTONIUM, AND AMERICIUM TO 450
 245 61 URANIUM-238 WITH CARBON IONS. T. SIKKELAND, A. E. LARSH, AND G. E. GORDON
 305 61 TOMIC NUMBER 103. A. GHIORSO, T. SIKKELAND, A. E. LARSH, AND R. M. LATIMER
 385 61 G. ALEXANDER, J. A. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. LLOYD
 346 61 V. G. ALEXANDER, J. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. LLOYD
 281 61 RESHOLD. S. E. WOLF, N. SCHMITZ, L. J. LLOYD, W. LASKER, F. S. CROWFORD, J. BUTTON, J. A. ANDERSON, AND G. ALEX
 305 61 A. GHIORSO, T. SIKKELAND, A. E. LARSH, AND R. M. LATIMER
 049 61 NCE UPON BOND LENGTH. D. R. HERSCHBACH AND V. W. LAURIE
 063 61 ONAL FORCE CONSTANTS. D. R. HERSCHBACH AND V. W. LAURIE
 167 61 Y FOR TOTALLY ENCLOSED MASTER SLAVE OPERATIONS AT LAWRENCE RADIATION LABORATORY. P. W. HOWE, T. C. PARSONS, AND
 175 61 AL INFORMATION DIVISION, UNIVERSITY OF CALIFORNIA LAWRENCE RADIATION LABORATORY, BERKELEY, CALIFORNIA.
 177 61 -24 UNCLASSIFIED REPORTS RECIEVED AND ISSUED BY LAWRENCE RADIATION LABORATORY, 1961 SEMI-MONTHLY.
 185 61 OF AN INFORMAL MEETING HELD SEPTEMBER 15, 1960 AT LAWRENCE RADIATION LABORATORY. P. V. C. HOUGH AND J. L. BROWN
 429 61 INSTRUMENTATION FOR HIGH ENERGY PHYSICS, HELD AT LAWRENCE RADIATION LABORATORY, BERKELEY, SEPTEMBER 12-14, 1960
 305 61 UCRL-9645 THE NEW ELEMENT, LAWRENCIUM, ATOMIC NUMBER 103. A. GHIORSO, T. SIKKELAND, A. E.
 201 61 AND ENERGY-LOSS MEASUREMENTS IN ALUMINIUM, COPPER, LEAD, URANIUM AND EMULSION. W. H. BARKAS AND S. VON FRIESEN
 133 61 UCRL-9436 LEAKAGE CURRENT IN SEMICONDUCTOR JUNCTION RADIATION DETECTORS
 213 61 PROTON- PROTON ANNIHILATION. G. GOLDBABER AND W. LEE
 321 61 CATTERING OF POSITIVE K- MESONS ON DEUTERONS. W. LEE
 380 61 456 MEV. W. SLATER, D. H. STORK, H. K. TICHQ, W. LEE, W. CHINOWSKY, G. GOLDBABER, S. GOLDBABER, AND T. DHALLORA
 401 61 S IN ANTIPTOTON, PROTON ANNIHILATIONS AT REST. W. LEE, W. CHINOWSKY, G. GOLDBABER, AND S. GOLDBABER
 178 61 MNEL NEUTRON DOSIMETER NUCLEAR TRACK FILM. R. L. LEHMAN
 259 61 W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, AND J. LEITNER
 282 61 S. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, J. LEITNER, AND Y. I. RHEE
 482 61 UCRL-9800 TWO FOLK LEMMAS ON THE EXPANSION OF THE S-MATRIX OR THE OUT FIELD IN NO
 354 61 AMBERLAIN, K. M. CROWE, D. KEEFE, L. T. KERTH, A. LEMONICK, T. MAUNG, AND T. F. ZIPP
 049 61 DENTIAL CONSTANTS AND THEIR DEPENDENCE UPON BOND LENGTH. D. R. HERSCHBACH AND V. W. LAURIE
 439 61 3 DEVELOPMENT OF A 100-MA PROTON BEAM SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK 2 INJECTOR. R. W. ALLISON,
 440 61 3-REV DEVELOPMENT OF A 100-MA PROTON SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK-2 INJECTOR. R. W. ALLISON, B
 174 61 WAVES IN MATERIALS WITH DELAYED YIELDING. V. S. LENSII AND L. N. FOMINA
 259 61 UCRL-9558-ABSTRACT LEPTONIC DECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. RO
 091 61 YNTHESIS WITH CARBON-14 DIOXIDE. H. RAPOPORT, N. LEVY, AND F. R. STERNITZ
 002 61 UCRL-9440 THE ORIGIN OF LIFE ON EARTH AND ELSEWHERE. 2. M. CALVIN
 030 61 UCRL-9862 RED CELL MASS AND LIFE SPAN IN THE RAT DURING PERIODS OF PHYSIOLOGICAL HYPERTRAN

327 61 UCRL-9714 TWO NUCLEON TRANSFER REACTIONS IN THE LIGHT ELEMENTS. J. CERNY
 105 61 OXYGEN WATER IN VIOLAXANTHENE UNDER THE EFFECT OF LIGHT ON PLANTS. D. I. SAPOZHNIKOV, D. G. ALKHAZOV, Z. M. EIDE
 146 61 UCRL-9726-ABSTRACT A TRIGGERED NANOSECOND PULSED LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 147 61 UCRL-9726 A PULSED NANOSECOND LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 234 61 9511 ALPHA DECAY STUDIES IN THE FAMILIES OF THE LIGHT URANIUM ISOTOPIES. C. P. RUIZ
 034 61 UCRL-TRANS-693 LIGHT-INDUCED ELECTRON SPIN RESONANCE (SIGNAL) IN CRYSTALLINE
 314 61 ABILITIES, 1 ODD-MASS NUCLIDES. J. K. LUM, J. H. LIGHT, AND F. ASARO
 399 61 ISIONS AT 735 MEV. G. D. MEAD, R. J. CENCE D. L. LIND, AND B. J. MOYER
 398 61 RESOLUTION FROM 30 TO 600 MEV. R. J. CENCE, D. L. LIND, G. D. MEAD, AND B. J. MOYER
 205 61 TATES IN THE RARE EARTH REGION. A. Y. CABEZAS, I. LINDGEN, AND R. MARRUS
 149 61 ED SWINGING BUCKET ULTRACENTRIFUGAL ROTOR. F. T. LINDGREN
 044 61 OTEINS. A. V. NICHOLS, C. S. REHNBERG, AND F. T. LINDGREN
 038 61 OR GAS- LIQUID CHROMATOGRAPHY. F. T. UPHAM, F. T. LINDGREN, AND A. V. NICHOLS
 413 61 F PRASEODYMIUM-142. R. MARRUS, A. Y. CABEZAS, I. LINDGREN, AND W. A. NIERENBERG
 046 61 INTERFEROMETRIC STUDY OF ATOMIC MERCURY SPECTRAL LINES. R. BERG
 449 61 UCRL-9441 LINKED DIAGRAM EXPANSION FOR THE EQUATION OF STATE OF A GAS OF
 009 61 UCRL-9592 THE LIPID SYNDROME IN MAMMALIAN RADIOBIOLOGY WITH EMPHASIS ON POST
 047 61 UCRL-9521 FATTY ACID COMPOSITION OF MOUSE LIPIDS AND LIPOPROTEINS. C. S. REHNBERG, A. V. NICHOLS, AND J
 029 61 OLE BODY X- IRRADIATION AND FASTING ON THE PLASMA LIPIDS OF MICE. C. S. REHNBERG, J. S. ASHIKAWA, AND A. V. NIC
 009 61 SIS ON POSTIRRADIATION PROTECTION OF ANIMALS WITH LIPIDS. J. K. ASHIKAWA
 044 61 MATOGRAPHIC ANALYSIS OF FATTY ACIDS FROM DIALYSED LIPOPROTEINS. A. V. NICHOLS, C. S. REHNBERG, AND F. T. LINDGR
 047 61 9521 FATTY ACID COMPOSITION OF MOUSE LIPIDS AND LIPOPROTEINS. C. S. REHNBERG, A. V. NICHOLS, AND J. K. ASHIKA
 141 61 OF OPTICAL PUMPING DOUBLE RESONANCE SIGNALS. E. LIPWORTH
 212 61 USED IN RADIOACTIVE ATOMIC BEAM EXPERIMENTS. E. LIPWORTH
 357 61 IN OF NEODYMIUM-141. S. S. ALPERT, B. BUDICK, E. LIPWORTH, AND R. MARRUS
 332 61 NUCLEAR MOMENTS OF RAE, BI-210. S. S. ALPERT, E. LIPWORTH, M. B. WHITE, AND K. F. SMITH
 107 61 L-TRANS-741 ON SOLUTIONS OF THE ALKALI METALS IN LIQUID AMMONIA, NOTE 4. SPECTROSCOPIC AND PHOTOCHEMICAL MEASUR
 172 61 RANS-677 ON THE PROBLEM OF HEAT EXCHANGE DURING LIQUID BOILING IN TUBES. I. P. VISHNEV AND N. K. ELUKHIN
 038 61 TIUM-90 BETA PARTICLE RADIATION DETECTOR FOR GAS- LIQUID CHROMATOGRAPHY. F. T. UPHAM, F. T. LINDGREN, AND A. V.
 472 61 FERENTIAL PRESSURE SYSTEM FOR MEASURING CRYOGENIC LIQUID DEPTHS. W. L. POPE AND E. F. MCLAUGHLIN
 156 61 UCRL-9901-ABSTRACT A LIQUID HYDROGEN CERENKOV COUNTER. C. M. YORK, J. A. KADYK, AND
 095 61 UCRL-9924 THE RADIIOLYSIS OF LIQUID ISOBUTANE WITH PULSED ELECTRONS. B. Y. YAMAMOTO, A. F.
 162 61 733 COALESCENCE AND DISPERSION RATES IN AGITATED LIQUID-LIQUID SYSTEM. J. H. VANDERVEEN
 028 61 TUDIES OF INTERMEDIARY METABOLISM OF ISOLATED RAT LIVER. V. MOSES, A. K. HUGGINS, AND M. J. H. SMITH
 346 61 J. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. LLOYD
 385 61 A. ANDERSON, F. S. CRAWFORD, W. LASKAR, AND L. J. LLOYD
 281 61 K-MESON THRESHOLD. S. E. WOLF, N. SCHMITZ, L. J. LLOYD, W. LASKER, F. S. CROWFORD, J. BUTTON, J. A. ANDERSON, A
 229 61 OSITIVE PIONS AND PROTONS ABOVE 1.4-BEV/C. M. J. LONGO AND B. J. MOYER
 228 61 OSITIVE PIONS AND PROTONS ABOVE 1.4 BEV/C. M. J. LONGO
 289 61 . C. D. WOOD, T. J. DEVLIN, J. A. HELLAND, M. J. LONGO, B. J. MOYER, AND V. PEREZ-MENDEZ
 471 61 UCRL-9668 FRAMES AND LORENTZ INVARIANCE IN GENERAL RELATIVITY. E. LUBKIN
 477 61 R ORIENTATION OF SOME RARE-EARTH ISOTOPIES. C. A. LOVEJOY
 361 61 UCRL-9788 NUCLEAR ORIENTATION OF TB-156. C. A. LOVEJOY, AND D. A. SHIRLEY
 219 61 UCRL-9452 NUCLEAR ORIENTATION OF PM-143. C. A. LOVEJOY, J. O. RASMUSSEN, AND D. A. SHIRLEY
 243 61 UCRL-9535 LOW-ENERGY PION-PION S-WAVE PHASE SHIFTS. B. R. DESAI
 331 61 -9728 A UNIFIED DYNAMICAL APPROACH TO HIGH- AND LOW-ENERGY STRONG INTERACTIONS. S. C. FRAUTSCHI
 359 61 UCRL-9779 LOW-LYING LEVELS IN CERTAIN ACTINIDE ATOMS. B. R. JUDD
 313 61 UCRL-9678-ABSTRACT LOW-LYING LEVELS IN SEVERAL TRANSURANIC ATOMS. B. R. JUDD
 360 61 UCRL-9780 ENERGY LEVELS OF LU-172 (71 PROTONS, 101 NEUTRONS). J. VALENTIN, D. J. HOREN, A
 221 61 TRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140, AND LU-177. F. R. PETERSEN
 471 61 AND LORENTZ INVARIANCE IN GENERAL RELATIVITY. E. LUBKIN
 020 61 NOGASTER AND D VIRILIS. P. E. HILDRETH AND J. C. LUCCHESI
 013 61 KING REFLEX BY IONIZING RADIATION. C. TOBIAS, J. LUCE, N. YANNI, T. BRUSTAD, J. LYMAN, AND S. KIMURA
 314 61 SITION PROBABILITIES, 1 ODD-MASS NUCLIDES. J. K. LUM, J. H. LIGHT, AND F. ASARO
 060 61 UCRL-9654 ABSORPTION AND SELF LUMINESCENCE SPECTRA OF TRIVALENT CALIFORNIUM (5F-9). J. G. C
 169 61 KILOBARS. P. W. MONTGOMERY, H. STROMBERG, G. H. LURINE, AND G. JURA
 387 61 YPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 6,8-DAY LUTETIUM-177. F. R. PETERSEN AND H. A. SHUGART
 003 61 IZING RADIATIONS. T. BRUSTAD, P. ARIOTTI, AND J. LYMAN
 013 61 ON. C. TOBIAS, J. LUCE, N. YANNI, T. BRUSTAD, J. LYMAN, AND S. KIMURA
 018 61 UCRL-9755 SELECTIVE BETA IRRADIATION OF THE LYMPHATIC SYSTEM USING INTERNALLY ADMINISTERED Y-90 DTPA, KINE
 379 61 ZERO THREE PION RESONANCE. N. H. XUONG AND G. R. LYNCH
 273 61 NAL STATES OF THE ANTI-PROTON PROTON SYSTEM. G. R. LYNCH
 310 61 VARIANCE IN STRONG INTERACTIONS. N. XUONG, G. R. LYNCH, AND C. K. HINRICHS
 296 61 ATTERING. M. L. GOLDBERGER, M. T. GRISARI, S. W. MACDOWELL, AND D. Y. WONG
 377 61 RON DEFICIENT ALPHA EMITTERS OF OF ERBIUM. R. D. MACFARLANE AND R. D. GRIFFIOEN
 246 61 UTRON-DEFICIENT ALPHA EMITTERS OF HOLMIUM. R. D. MACFARLANE AND R. D. GRIFFIOEN
 388 61 AN ALPHA EMITTING ISOMERIC STATE OF TB-149. R. D. MACFARLANE
 376 61 EMITTERS OF FRANCIUM. R. D. GRIFFIOEN AND R. D. MACFARLANE
 136 61 NEL COUNTER EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 137 61 EL COUNTING EXPERIMENTS. F. A. KIRSTEN AND D. A. MACK
 142 61 9624 FAST PULSE AMPLITUDE DISCRIMINATORS. D. A. MACK
 128 61 CS EXPERIMENT. S. C. BAKER, F. A. KIRSTEN, D. A. MACK, AND C. WIEGAND
 120 61 UCRL-9682 MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN A MAGNETIC F
 121 61 UCRL-9682-REV MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN A MAGNETIC F
 447 61 SHIFTS WITHOUT A PRINCIPLE OF EQUIVALENCE. B. C. MAGLIC
 378 61 EGA MESON. M. L. STEVENSON, L. W. ALVAREZ, B. C. MAGLIC, AND A. H. ROSENFELD
 278 61 NS FROM PION-PROTON SCATTERING AT 900 MEV. V. C. MAGLIC, B. T. FELD, AND C. A. DIFFEY
 309 61 NS FORM ANTI-PROTON ANNIHILATIONS IN FLIGHT. B. C. MAGLIC, G. R. KALBFLEISCH, AND M. L. STEVENSON
 086 61 UCRL-9821 KINETICS OF THE OXIDATION OF MAGNESIUM FLUORIDE. D. R. MESSIER
 075 61 -9773 STUDY OF THE NEAR ULTRAVIOLET SPECTRUM OF MAGNESIUM OXIDE. S. TRAJMAR
 192 61 ALLOYS ELECTRON TRANSMISSION STUDIES OF ALUMINUM- MAGNESIUM- SILICON ALLOYS. G. THOMAS
 197 61 RL-TRANS-706 DISSOCIATION ENERGIES OF OXIDES OF MAGNESIUM, CALCIUM, AND BARIUM. I. V. VEITS AND L.
 112 61 UCRL-9574 EFFECTS OF A MAGNETIC FIELD ON NATURAL CONVECTION IN A TOROIDAL CHANNEL. P
 113 61 UCRL-9588 THE POSITIVE COLUMN IN A LONGITUDINAL MAGNETIC FIELD. G. A. PAULIKAS
 120 61 CROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
 121 61 CROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
 484 61 N MEASUREMENTS IN HYDROGEN IN A TRANSVERSE STRONG MAGNETIC FIELD. M. J. BERNSTEIN AND W. B. KUNKEL
 478 61 CRL-9763 DISSOCIATION OF POSITIVE H-2 IONS BY A MAGNETIC FIELD. S. KAPLAN, G. A. PAULIKAS, AND R. V. PYLE
 125 61 INVESTIGATION OF THE PROPERTIES OF A PLASMA IN A MAGNETIC FIELD. I. M. ZOLOTOTRUBOV, N. M. RYZHOV, I. P. SKOBLI
 134 61 THROUGH CONDUCTORS IN THE VICINITY OF LARGE STRAY MAGNETIC FIELDS. A. WINDSOR
 479 61 SUPERCONDUCTIVITY OF Nb-25A/O ZR ALLOY IN HIGH DC MAGNETIC FIELDS. P. R. ARON, AND H. C. HITCHCOCK
 265 61 DIATIVE PION DECAY INTO ELECTONS. PART 2. ELECTRO MAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMEDIARY IN
 469 61 UCRL-9648 THE MAGNETIC PROPERTIES OF DEFORMED NUCLEI. L. CHIAO
 050 61 UCRL-9565 NUCLEAR MAGNETIC RESONANCE FLUORINE-FLUORINE COUPLING CONSTANTS IN SAT

053 61 PERATURE DEPENDENT CHEMICAL SHIFTS IN THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF GASES. L. PETRAKIS AND C. H. SED
 150 61 IDEBAND TECHNIQUE IN A VARIABLE FREQUENCY NUCLEAR MAGNETIC RESONANCE SPECTROMETER. J. V. ACRIVOS
 336 61 UCRL-9733 NUCLEAR MAGNETIC RESONANCE STUDIES, PART 1. H-1 TEMPERATURE DEPENDENT
 116 61 UCRL-9612-ABSTRACT THE MAGNETIC SWITCH-ON IONIZING WAVE. R. A. GROSS AND W. B. KUNKEL
 135 61 UCRL-9483 A PAPER TAPE TO THE MAGNETIC TAPE CONVERTER. L. F. FLORES
 080 61 IZATION OF NITRIC OXIDE. J. P. DOERING AND B. H. MAHAN
 094 61 UCED NUCLEAR REACTIONS. S. S. MARKOWITZ AND J. D. MAHONY
 432 61 D, W. R. BAKER, K. W. EHLERS, H. S. GORDON, R. M. MAIN, N. J. NORRIS, R. PETERS, L. SMITH, C. M. VAN ATTA, F. VD
 041 61 363-REV THE RADIOLYSIS OF BIACETYL VAPOR. G. J. MAINS, A. S. NEWTON, AND A. F. SCIAMANNA
 432 61 R. BERINGER, R. L. GLUCKSTERN, W. J. KNOX, M. S. MALKIN, A. R. QUINTON, L. SCHWARCZ, AND G. W. WHEELER
 009 61 UCRL-9592 THE LIPID SYNDROME IN MAMMALIAN RADIOBIOLOGY WITH EMPHASIS ON POSTIRRADIATION PROTEC
 262 61 LEON SCATTERING IN THE STRIP APPROXIMATION TO THE MANDELSTAM REPRESENTATION. V. SINGH AND B. M. UDGAONKAR
 263 61 LEON SCATTERING IN THE STRIP APPROXIMATION TO THE MANDELSTAM REPRESENTATION. V. SINGH AND B. M. UDGAONKAR
 183 61 UCRL-9099 REFERENCE MANUAL FOR KICK IBM PROGRAM. A. H. ROSENFELD ED
 056 61 UCRL-9586 THE INFRARED SPECTRA OF MARGINALLY METALLIC SYSTEMS, SODIUM AMMONIA SOLUTIONS. T. A. B
 093 61 MOLECULAR STRUCTURE OF TRIETHYLSCARPHANE. T. N. MARGULIS AND D. H. TEMPLETON
 439 61 OTON BEAM SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK 2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F.
 440 61 MA PROTON SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK-2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F.
 094 61 BY MEANS OF HE-3 INDUCED NUCLEAR REACTIONS. S. S. MARKOWITZ AND J. D. MAHONY
 372 61 O ENERGY LEVELS OF ER(2). B. R. JUDD AND L. C. MARQUET
 357 61 41. S. S. ALPERT, B. BUDICK, E. LIPWORTH, AND R. MARRUS
 405 61 T NUCLEAR SPIN OF HOLMIUM-161. B. BUDICK AND R. MARRUS
 408 61 HYPERFINE STRUCTURE OF PM-147. B. BUDICK AND R. MARRUS
 205 61 E EARTH REGION. A. Y. CABEZAS, J. LINDGEN, AND R. MARRUS
 413 61 TURE AND NUCLEAR MOMENTS OF PRASEODYMIUM-142. R. MARRUS, A. Y. CABEZAS, I. LINDGREN, AND W. A. NIERNBERG
 351 61 RUCTURE AND NUCLEAR MOMENTS OF AMERICIUM-242. R. MARRUS, AND J. WINOCUR
 194 61 UCRL-9647 MARTENSITE IN CU-12.0 PERCENT AL ALLOY. G. THOMAS AND M. C. HO
 319 61 IVE STRANGENESS. W. H. BARKAS, J. N. DYER, C. J. MASON, N. A. NICKOLS, AND F. M. SMITH
 030 61 UCRL-9862 RED CELL MASS AND LIFE SPAN IN THE RAT DURING PERIODS OF PHYSIOLOGICAL
 326 61 TION OF THE NEUTRAL K-1 MESON - NEUTRAL K-2 MESON MASS DIFFERENCE. R. P. MATSEN
 490 61 N TIMES OF ORGANIC IONS WITH THE FIELD IONIZATION MASS SPECTROMETER. H. D. BECKEY
 417 61 UCRL-TRANS-692 THE MASS SPECTRUM OF THE UNCHARGED FRAGMENTS FROM ELECTRON BOMBARD
 247 61 NEMENT OF ALPHA DECAY BRANCHING RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI. J. O. RASMUSSEN
 412 61 UCRL-9948-ABSTRACT AN EXCITED HYPERON OF MASS 1520-MEV. R. D. TRIPP, M. FERRO-LUZZI AND M. B. WATSON
 268 61 UCRL-9570 SEARCH FOR POSITIVE PARTICLES OF MASSES ABOUT 500 ELECTRON MASSES AND 1400 ELECTRON MASSES. V.
 268 61 R POSITIVE PARTICLES OF MASSES ABOUT 500 ELECTRON MASSES AND 1400 ELECTRON MASSES. V. COOK, D. KEEFE, L. T. KER
 268 61 ASSES ABOUT 500 ELECTRON MASSES AND 1400 ELECTRON MASSES. V. COOK, D. KEEFE, L. T. KERTH ET AL
 367 61 UCRL-9811 CAN MASSLESS PARTICLES BE CHARGED. K. M. CASE AND S. G. GASIDROWI
 167 61 WATER SHIELDED CAVE FACILITY FOR TOTALLY ENCLOSED MASTER SLAVE OPERATIONS AT LAWRENCE RADIATION LABORATORY. P.
 144 61 UCRL-9662 FORCE MULTIPLIER FOR USE WITH MASTER SLAVES. L. E. MILES, T. C. PARSONS, AND P. W. HOWE
 014 61 UCRL-9688 PREPARATION OF BIOLOGICAL MATERIAL FOR RADIOAUTOGRAPHIC STUDIES OF INTERMEDIARY METABOLI
 191 61 UCRL-9579 INORGANIC MATERIALS DIVISION ANNUAL REPORT, 1960.
 174 61 RANS-729 PROPAGATION OF UNIDIMENSIONAL WAVES IN MATERIALS WITH DELAYED YIELDING. V. S. LENSII AND L. N. FOMI
 042 61 TUDIES ON THE CARBOXYDISMUTASE SYSTEM AND RELATED MATERIALS. N. G. PON
 077 61 LECTRIC CONSTANT FOR FREON-13. W. N. HESS, R. L. MATHER, AND R. A. NOBLES
 004 61 UCRL-9495 GENETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHILA MELANOGASTER. P. E. HILDRETH AN
 005 61 UCRL-9495-REV GENETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHILA MELANOGASTER. P. E. HILDRETH AN
 443 61 ON OF PARTICLES FROM THE SYNCHROCYCLOTRON. I. M. MATORA
 326 61 MESON - NEUTRAL K-2 MESON MASS DIFFERENCE. R. P. MATSEN
 354 61 M. CROWE, D. KEEFE, L. T. KERTH, A. LEMONICK, T. MAUNG, AND T. F. ZIPP
 027 61 INING ON CHOLINESTERASE ACTIVITY IN THE BRAINS OF MAZE BRIGHT RATS. J. F. ZOLMAN AND H. MORIMOTO
 079 61 ETA POSITIVE ANNIHILATION RATES IN METALS. J. A. MCHUGH
 472 61 NG CRYOGENIC LIQUID DEPTHS. W. L. POPE AND E. F. MCLAUGHLIN
 244 61 Y NEGATIVE PIONS. B. C. BARISH, R. J. KURZ, P. G. MCMANIGAL ET AL
 396 61 PHOTOPRODUCTION OF POSITIVE-PION IN HYDROGEN. D. MCPHERSON AND R. KENNEY
 473 61 ND PHYSICAL PROPERTIES OF AMERICIUM METAL. D. B. MCHWAN
 195 61 ONIUM, AND AMERICIUM TO 450C AND 30 KILOBARS. D. MCHWAN, P. W. MONTGOMERY, H. D. STROMBERG, AND G. JURA
 398 61 OM 30 TO 600 MEV. R. J. CENCE, D. L. LIND, G. D. MEAD, AND B. J. MOYER
 399 61 N IN PROTON- PROTON COLLISIONS AT 735 MEV. G. D. MEAD, R. J. CENCE D. L. LIND, AND B. J. MOYER
 416 61 UCRL-TRANS-688 MEASUREMENT OF ENERGY DEPENDENCE OF THE CROSS SECTION OF THE R
 490 61 UCRL-TRANS-710 THE MEASUREMENT OF EXTREMELY SHORT DISSOCIATION TIMES OF ORGANIC I
 398 61 UCRL-9909-ABSTRACT MEASUREMENT OF GAMMA RAY SPECTRA WITH GOOD RESOLUTION FROM 30
 077 61 UCRL-9785 MEASUREMENT OF INDEX OF REFRACTION AND DIELECTRIC CONSTANT FOR
 354 61 UCRL-9762 MEASUREMENT OF TOTAL CROSS SECTIONS OF NEGATIVE K- MESONS IN H
 110 61 UCRL-9509 ION DENSITY MEASUREMENTS IN A DECAYING HYDROGEN PLASMA. W. S. COOPER, A.
 201 61 UCRL-8792 HIGH VELOCITY RANGE AND ENERGY-LOSS MEASUREMENTS IN ALUMINUM, COPPER, LEAD, URANIUM AND EMULSION.
 319 61 UCRL-9689 DECAY MEASUREMENTS IN EMULSION ON PARTICLES OF NEGATIVE STRANGENESS.
 484 61 UCRL-9818-ABSTRACT ELECTRON DRIFT AND DIFFUSION MEASUREMENTS IN HYDROGEN IN A TRANSVERSE STRONG MAGNETIC FIELD
 284 61 UCRL-9608 MEASUREMENTS OF E2 DECAY TRANSITION INTERNAL CONVERSION COEFFI
 463 61 UCRL-9608-REV MEASUREMENTS OF INTERNAL CONVERSION COEFFICIENTS. S. HULTBERG
 335 61 UCRL-9732 TOTAL CROSS SECTION MEASUREMENTS OF POSITIVE K-MESON, PROTON AND POSITIVE K-MESON
 491 61 UCRL-TRANS-734 SOME PROBLEMS OF PHASE MEASUREMENTS. A. M. BONCH-BRUEVICH AND V. I. SHIROKOV
 350 61 TOTAL KINETIC ENERGY BEHAVIOR FROM TIME OF FLIGHT MEASUREMENTS. J. C. D. MILTON, AND J. S. FRASER
 107 61 AMMONIA, NOTE 4. SPECTROSCOPIC AND PHOTOCHEMICAL MEASUREMENTS. X-RAY DIFFRACTION. L. PAOLONI
 472 61 72 A SENSITIVE DIFFERENTIAL PRESSURE SYSTEM FOR MEASURING CRYOGENIC LIQUID DEPTHS. W. L. POPE AND E. F. MCLAU
 033 61 UCRL-TRANS-682 RADIOMETER FOR MEASURING IODINE-131 IN THE HUMAN THYROID GLAND. V. A. GRYZGUN
 420 61 UCRL-9231 AUTOMATIC SCANNING AND MEASURING OF BUBBLE CHAMBER PHOTOGRAPHS. A. GRASELLI
 163 61 UCRL-9298-REV USE OF PYROELECTRIC DEVICES FOR MEASURING SMALL TEMPERATURE CHANGES. S. B. LANG
 487 61 UCRL-9922 GEOMETRIC FOUNDATIONS-OF CONTINUUM MECHANICS. J. A. SIMMONS
 011 61 UCRL-9617 BIOLOGY AND MEDICINE SEMIANNUAL REPORT.
 170 61 CATING LIQUID HYDROGEN TARGETS FROM MYLAR. D. L. MEHR
 020 61 UCRL-9783 FERTILIZATION IN D MELANOGASTER AND D VIRILIS. P. E. HILDRETH AND J. C. LUCCHESI
 004 61 NETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
 005 61 NETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHILA MELANOGASTER. P. E. HILDRETH AND G. C. BECKER
 012 61 ND CROSSING OVER IN FERTILIZED EGGS OF DROSOPHILA MELANOGASTER. P. E. HILDRETH
 445 61 VISTIC SELF CONSISTENT CALCULATION FOR THE NORMAL MERCURY ATOM. S. COHEN
 046 61 UCRL-9512 AN INTERFEROMETRIC STUDY OF ATOMIC MERCURY SPECTRAL LINES. R. BERG
 098 61 SSOCIATION PRESSURE DATA. A. W. SEARCY AND D. J. MESCHI
 089 61 UCRL-9842 HYDROBORATE CHEMISTRY. R. MESSER
 326 61 AN EXPERIMENTAL DETERMINATION OF THE NEUTRAL K-1 MESON - NEUTRAL K-2 MESON MASS DIFFERENCE. R. P. MATSEN
 384 61 CRL-9866 A NEW DETERMINATION OF THE POSITIVE K- MESON DECAY BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L. B
 338 61 UCRL-9735 NEGATIVE K- MESON INTERACTION IN DEUTERIUM. O. DAHL, N. HORWITZ, D. MILLER
 254 61 UCRL-9551-ABSTRACT NEGATIVE K- MESON INTERACTIONS IN HYDROGEN AT 1.15 BEV/C. M. ALSTON, L. W
 340 61 UCRL-9739 K- MESON INTERACTIONS, EXPERIMENTAL. D. MILLER

- 342 61 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMEDIARY IN WEAK INTERACTIONS. S. A. BLUDMAN AND J.
265 61 . ELECTRO MAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMEDIARY IN WEAK INTERACTIONS. J. A. YOUNG
326 61 ERMINATION OF THE NEUTRAL K-1 MESON - NEUTRAL K-2 MESON MASS DIFFERENCE. R. P. MATSEN
407 61 PLUS PROTON YIELD POSITIVE SIGMA PLUS POSITIVE K- MESON NEAR THRESHOLD. F. GRARD AND G. A. SMITH
248 61 UCRL-9543 ANTI- K- MESON NUCLEON BOUND-STATE INTERPRETATION OF THE 1385-MEV PION,
324 61 UCRL-9708 THE K- MESON NUCLEON INTERACTION. L. T. KERTH
381 61 UCRL-9859-ABSTRACT NEGATIVE K- MESON PLUS PROTON INTERACTIONS AT 1.15 BEV/C. M. ALSTON, L. W
409 61 CT CASCADE HYPERONS IN THE REACTION NEGATIVE K- MESON PLUS PROTON YIELDS XI PLUS K-MESON AT 1.2 BEV/C. L. W.
399 61 UCRL-9910-ABSTRACT NEUTRAL MESON PRODUCTION IN PROTON- PROTON COLLISIONS AT 735 MEV. G.
329 61 UCRL-9719 THE ANOMALY IN MESON PRODUCTION IN PROTON, DEUTERON COLLISIONS. N. E. BOOTH,
393 61 UCRL-9892 EXPERIMENTAL STUDY OF THE K- MESON YIELDS POSITRON PLUS NEUTRAL PION PLUS NEUTRINO DECAY IN
392 61 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MESON. J. A. YOUNG AND S. A. BLUDMAN
378 61 UCRL-9856 SPIN AND PARITY OF THE OMEGA MESON. M. L. STEVENSON, L. W. ALVAREZ, B. C. MAGLIC, AND A. H
380 61 UCRL-9858 THE POSITIVE K- MESON, DEUTERON CHARGE EXCHANGE REACTION FROM 52 TO 456 MEV. W
251 61 UCRL-9547 A RESONANCE IN THE K- MESON, PION SYSTEM. M. ALSTON, L. W. ALVAREZ, P. EBERHARD ET A
339 61 UCRL-9736 THE NEGATIVE K- MESON, PROTON AND NEUTRON INTERACTION FROM 0.6 BEV TO 3.5 BEV.
303 61 UCRL-9643-ABSTRACT THE NEGATIVE K- MESON, PROTON INTERACTION IN THE 400 MEV/C REGION. R. TRIPP,
395 61 N INDUCED BY RADIATIONLESS TRANSITIONS IN THE MU- MESONIC ATOMS, TH-232, U-235, AND U-238. J. A. DIAZ, S. N. KA
354 61 MEASUREMENT OF TOTAL CROSS SECTIONS OF NEGATIVE K- MESONS IN HYDROGEN AND DEUTERIUM IN THE MOMENTUM REGION 630 ME
225 61 UCRL-9489-REV. S- AND P-WAVE INTERACTIONS OF K- MESONS IN HYDROGEN. P. NORDIN
321 61 -9691 CHARGE EXCHANGE SCATTERING OF POSITIVE K- MESONS ON DEUTERONS. W. LEE
315 61 ST OF CHARGE SYMMETRY OF K-POSITIVE AND K-NEUTRAL MESONS. J. BUTTON, F. CRAWFORD, M. L. STEVENSON ET AL
375 61 37 ELECTROMAGNETIC PRODUCTION OF CHARGED VECTOR MESONS. S. A. BLUDMAN AND J. A. YOUNG
086 61 S OF THE OXIDATION OF MAGNESIUM FLUORIDE. D. R. MESSIER
001 61 UCRL-9419 A STUDY OF THE METABOLIC FATE OF THE RADIATION PROTECTIVE COMPOUNDS, S,2 AMIN
017 61 UCRL-9718 METABOLIC STUDIES WITH FE-59, CA-47, AND C-11 IN VARIOUS DISEA
025 61 UCRL-9825 THE METABOLISM OF C-14 RIBULOSE DIPHOSPHATE BY SPINACH CHLOROPLAST
028 61 ISSUE VARIATION IN TRACER STUDIES OF INTERMEDIARY METABOLISM OF ISOLATED RAT LIVER. V. MOSES, A. K. HUGGINS, AND
014 61 RIAL FOR RADIOAUTOGRAPHIC STUDIES OF INTERMEDIARY METABOLISM. V. MOSES
196 61 UCRL-9828 SHEET METAL CAN FURNACE. R. C. DOYLE AND W. D. PHILLIPS
088 61 UCRL-9840 THERMODYNAMIC PROPERTIES OF GASEOUS METAL DIHALIDES. L. BREWER, G. R. SOMAYAJULU, AND E. BRACKETT
473 61 AL STRUCTURE AND PHYSICAL PROPERTIES OF AMERICIUM METAL. D. B. MCHWAN
056 61 UCRL-9586 THE INFRARED SPECTRA OF marginally METALLIC SYSTEMS, SODIUM AMMONIA SOLUTIONS. T. A. BECKMAN AND
107 61 UCRL-TRANS-741 ON SOLUTIONS OF THE ALKALI METALS IN LIQUID AMMONIA, NOTE 4. SPECTROSCOPIC AND PHOTOCHEMI
079 61 ORRELATION OF BETA POSITIVE ANNIHILATION RATES IN METALS. J. A. MCHUGH
485 61 ETIC HEAT FLOW AT THE INTERFACE OF THE DISSIMILAR METALS. J. S. MOON AND R. N. KEELER
486 61 COLOR PRODUCTION FROM ENERGETIC IONS IMPINGING ON METALS. K. W. EHLERS
394 61 UCTION IN NEGATIVE PION PROTON COLLISIONS AT 380 MEV. B. C. BARISH, R. J. KURZ, V. PEREZ-MENDEZ, AND J. SOLOMO
283 61 ELASTIC SCATTERING IN THE ENERGY REGION 500-1500 MEV. B. J. MOYER
289 61 LASTIC SCATTERING AT 550, 600, 720, 900, AND 1020 MEV. C. D. WOOD, T. J. DEVLIN, J. A. HELLAND, M. J. LONGO, B.
346 61 LAMBDA- PROTON INTERACTIONS BETWEEN 70 AND 180 MEV. G. ALEXANDER, J. ANDERSON, F. S. CRAWFORD, W. LASKAR, AN
399 61 ON PRODUCTION IN PROTON- PROTON COLLISIONS AT 735 MEV. G. D. MEAD, R. J. CENCE D. L. LIND, AND B. J. MOYER
207 61 ASTIC PION PROTON SCATTERING AT 600, 650, AND 750 MEV. J. I. SHONIE
398 61 A'RAY SPECTRA WITH GOOD RESOLUTION FROM 30 TO 600 MEV. R. J. CENCE, D. L. LIND, G. D. MEAD, AND B. J. MOYER
252 61 TOTAL CROSS SECTIONS IN THE RANGE 450 MEV TO 1650 MEV. T. J. DEVLIN
253 61 ION TOTAL CROSS SECTIONS IN THE RANGE 450 TO 1650 MEV. T. J. DEVLIN, B. J. MOYER, AND V. PEREZ-MENDEZ
269 61 POSITIVE K-MESON, PROTON INTERACTIONS BELOW 100 MEV. T. STUBBS, S. GOLDHABER, H. BRADNER ET AL
278 61 ION OF PROTONS FROM PION-PROTON SCATTERING AT 900 MEV. V. C. MAGLIC, B. T. FELD, AND C. A. DUFFEY
299 61 S DEUTERON YIELDS ALPHA PLUS NEUTRAL PION) AT 460 MEV. J. A. POIRIER, W. C. BONMAN, J. B. CARROLL, AND M. PRIPST
290 61 E PIONS ON PROTONS AT 230, 290, 370, 427, AND 460 MEV. L. K. GOODWIN, J. C. CARIS, R. W. KENNEY, V. PEREZ-MENDEZ
222 61 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. PHASE SHIFT ANALYSIS. J. H. FOOTE, D. CHAMBERLAIN, E. H.
223 61 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. RECOIL NUCLEON POLARIZATION. J. H. FOOTE, D. CHAMBERLAIN
380 61 DEUTERON CHARGE EXCHANGE REACTION FROM 52 TO 456 MEV. W. SLATER, D. H. STORK, H. K. TICHQ, W. LEE, W. CHINOWSKY
303 61 E NEGATIVE K MESON, PROTON INTERACTION IN THE 400 MEV/C REGION. R. TRIPP, M. FERRO-LUZZI, AND M. WATSON
354 61 HYDROGEN AND DEUTERIUM IN THE MOMENTUM REGION 630 MEV/C TO 1100 MEV/C. D. CHAMBERLAIN, K. M. CROWE, D. KEEFFE, L
354 61 EUTERIUM IN THE MOMENTUM REGION 630 MEV/C TO 1100 MEV/C. D. CHAMBERLAIN, K. M. CROWE, D. KEEFFE, L. T. KERTH, A.
029 61 - IRRADIATION AND FASTING ON THE PLASMA LIPIDS OF MICE. C. S. REHNBERG, J. S. ASHIKAWA, AND A. V. NICHOLS
352 61 DECAY OF 152 YEAR AM-242M. F. ASARO, M. C. MICHEL, S. G. THOMPSON, AND I. PERLMAN
160 61 724 POSSIBILITIES AND LIMITATIONS OF TELEVISION MICROSCOPY. H. FRENK
078 61 UCRL-9786 THE MICROWAVE SPECTRUM AND QUADRUPOLE INTERACTION IN CIS-1, 2- DIC
167 61 LABORATORY. P. W. HOWE, T. C. PARSONS, AND L. E. MILES
144 61 ORCE MULTIPLIER FOR USE WITH MASTER SLAVES. L. E. MILES, T. C. PARSONS, AND P. W. HOWE
340 61 L-9739 K- MESON INTERACTIONS, EXPERIMENTAL. D. MILLER
304 61 MESON, PROTON COLLISIONS. R. H. DALITZ AND D. H. MILLER
298 61 TIONS AT LOW ENERGY. B. CORK, O. I. DAHL, D. H. MILLER, A. G. TENNER, AND C. L. WANG
409 61 W. ALVAREZ, J. BUTTON, G. R. KALBFLEISCH, D. H. MILLER, A. H. ROSENFELD, M. L. STEVENSON AND H. K. TICHQ
257 61 RIUM AND HYDROGEN. O. I. DAHL, N. HORWITZ, D. H. MILLER, AND J. J. MURRAY
301 61 BASTIEN, O. DAHL, M. FERRO-LUZZI, J. KIRZ, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, R. D. TRIPP, AND M. B.
363 61 1347 NEGATIVE-PION DECAYS. M. FERRO-LUZZI, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, AND R. D. TRIPP
297 61 NEUTRON INTERACTION. O. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND J. SCHWARTZ
235 61 -PION PLUS PROTON. O. I. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND P. G. WHITE
338 61 INTERACTION IN DEUTERIUM. O. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND M. WATSON
391 61 UCRL-9883 FISSION ENERGY TABLES. J. C. D. MILTON
350 61 AVIOR FROM TIME OF FLIGHT MEASUREMENTS. J. C. D. MILTON, AND J. S. FRASER
444 61 URE HEAT CAPACITIES OF ANTIFERROMAGNETIC COF2 MNF2. E. CATALANO AND N. E. PHILLIPS
151 61 UCRL-9816 MODEL-6 LINEAR AMPLIFIER SYSTEM AND PREAMPLIFIER. W. W. GOLDS
373 61 UCRL-9834 A SHAPE INDEPENDENT APPROACH TO MODERATELY HIGH ENERGY NUCLEON NUCLEON SCATTERING. L. A. P. B
161 61 UCRL-TRANS-733 DIFFRACTION LIGHT MODULATOR. A. M. BONCH-BRUEVICH AND V. A. MOLCHANOV
161 61 LIGHT MODULATOR. A. M. BONCH-BRUEVICH AND V. A. MOLCHANOV
081 61 UCRL-9801 CHEMICAL REACTIONS IN CROSSED MOLECULAR BEAMS. D. R. HERSCHBACH
054 61 UCRL-9576 REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS. K ATOMS WITH CH3I AND C2H5I. D. R. HERSCHBACH
085 61 UCRL-9817 SIMPLE MOLECULAR ORBITAL THEORY OF THE DICHLOROETHYLENES. J. A. HOWE
076 61 DYNAMIC PROPERTIES OF FLUIDS. 6. RELATIONSHIP OF MOLECULAR PROPERTIES TO THE ACENTRIC FACTOR. F. DANON AND K.
093 61 UCRL-9893 CRYSTAL AND MOLECULAR STRUCTURE OF TRIETHYLSCARPHANE. T. N. MARGULIS AND
103 61 NS-707 ON THE BASIC ELECTRON STATE OF OXIDES OF MOLECULES OF GROUP 2 ELEMENTS. I. V. VEITS AND L. V. GURVICH
104 61 UCRL-TRANS-708 ON THE DISSOCIATION ENERGIES OF MOLECULES OF THE OXIDES OF THE ALKALINE EARTH ELEMENTS. I. V.
449 61 M EXPANSION FOR THE EQUATION OF STATE OF A GAS OF MOLECULES. A. N. KAUFMAN AND K. M. WATSON
417 61 UNCHARGED FRAGMENTS FROM ELECTRON BOMBARDMENT OF MOLECULES. D. BECK AND O. OSBERGHAUS
330 61 PRODUCTION IN COMPOUND NUCLEUS REACTIONS. J. F. MOLLENAUER
074 61 S FOR COMPLEX SODIUM IODIDE GAMMA SPECTRA. J. F. MOLLENAUER
193 61 SLOCATION SUBSTRUCTURES IN DEFORMED AND RECOVERED MOLYBDENUM. R. BENSON, G. THOMAS, AND J. WASHBURN
351 61 UCRL-9757 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF AMERICIUM-242. R. MARRUS, AND J. WINOCUR
221 61 RESEARCH ON THE SPINS, HYPERFINE STRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140, AND LU-177. F. R. PETERSEN
413 61 L-9949-ABSTRACT HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF PRASEODYMIUM-142. R. MARRUS, A. Y. CABEZAS, I. LIN

332 61 UCRL-9729 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF RAE, BI-210. S. S. ALPERT, E. LIPWORTH, M. B. WHIT
 387 61 9 NUCLEAR SPIN, HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 6,8-DAY LUTETIUM-177. F. R. PETERSEN AND H. A. SHU
 320 61 NUCLEAR SPIN, HYPERFINE STRUCTURE, AND NUCLEAR MOMENTS OF 64-HOUR YTTRIUM-90. F. R. PETERSEN, AND AND H. A.
 206 61 UCRL-9322 MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. H. KRUGER
 258 61 UCRL-9557-ABSTRACT MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. K. M. CRO
 330 61 UCRL-9724 EFFECTS OF ANGULAR MOMENTUM ON GAMMA-RAY PRODUCTION IN COMPOUND NUCLEUS REACTIONS
 209 61 D NEGATIVE K-MESON, NEUTRON CROSS SECTIONS IN THE MOMENTUM RANGE 1 TO 4 BEV/C. V. COOK, B. CORK, T. F. HOANG ET
 335 61 AND POSITIVE K-MESON NEUTRON INTERACTIONS IN THE MOMENTUM REGION 0.77 TO 2.83 BEV/C. V. COOK, D. KEEFE, L. T.
 354 61 GATIVE K- MESONS IN HYDROGEN AND DEUTERIUM IN THE MOMENTUM REGION 630 MEV/C TO 1100 MEV/C. D. CHAMBERLAIN, K. M
 347 61 UCRL-9751 MOMENTUM TRANSFER IN HEAVY ION INDUCED FISSION. T. SIKKELAND,
 233 61 Y PROCESSES FOLLOWING PHASE SPACE DISTRIBUTION BY MONTE CARLO METHOD. J. A. KADYK
 195 61 RICIU TO 450C AND 30 KILOBARS. D. MCWHAN, P. W. MONTGOMERY, H. D. STROMBERG, AND G. JURA
 362 61 ESPONSE OF THE OAK RIDGE CRITICALITY FISSION FOIL MONITOR. B. WAYLAND
 153 61 A SIMPLE, TRANSISTORIZED BETA-GAMA HAND AND SHOE MONITOR. R. J. WALKER AND W. J. ROACH
 131 61 UCRL-9273 TEST ROUTINES AND MONITORING FOR A LARGE COUNTER EXPERIMENT. S. C. BAKER, Q. A.
 287 61 Y PROCESSES FOLLOWING PHASE SPACE DISTRIBUTION BY MONTE CARLO METHOD. J. A. KADYK
 195 61 RICIU TO 450C AND 30 KILOBARS. D. MCWHAN, P. W. MONTGOMERY, H. D. STROMBERG, AND G. JURA
 169 61 ANVILS, A PRESSURE SCALE TO 125 KILOBARS. P. W. MONTGOMERY, H. D. STROMBERG, G. H. LURA, AND G. JURA
 485 61 AT THE INTERFACE OF THE DISSIMILAR METALS. J. S. MOON AND R. N. KEELER
 027 61 BRAINS OF MAZE BRIGHT RATS. J. F. ZOLMAN AND H. MORIMOTO
 101 61 AND ETHYL ALCOHOL IN TUBES. L. S. STERMAN, V. G. MOROZOV, AND S. A. KOVALEV
 091 61 UCRL-9848 DISTRIBUTION OF RADIOACTIVITY IN MORPHINE FROM BIOSYNTHESIS WITH CARBON-14 DIOXIDE. H. RAPOPOR
 358 61 ALIFORNIUM. J. G. CONWAY, E. K. HULET, AND R. J. MORROW
 060 61 J. G. CONWAY, J. B. GRUBER, E. K. HULET, R. J. MORROW, AND R. C. GUTMACHER
 279 61 BY RECOIL STUDIES OF RADIOACTIVE PRODUCTS. J. R. MORTON
 083 61 TOL, RIBITOL AND OTHER POLYHYDROXY COMPOUNDS. V. MOSES AND R. J. FERRIER
 014 61 UTOGRAPHIC STUDIES OF INTERMEDIARY METABOLISM. V. MOSES
 028 61 INTERMEDIARY METABOLISM OF ISOLATED RAT LIVER. V. MOSES, A. K. HUGGINS, AND M. J. H. SMITH
 047 61 UCRL-9521 FATTY ACID COMPOSITION OF MOUSE LIPIDS AND LIPOPROTEINS. C. S. REHNBERG, A. V. NICHOLS,
 283 61 TTERING IN THE ENERGY REGION 500-1500 MEV. B. J. MOYER
 216 61 MEV GAMMA RAYS ON CARBON. R. J. CENCE AND B. J. MOYER
 229 61 D PROTONS ABOVE 1.4-BEV/C. M. J. LONGO AND B. J. MOYER
 398 61 R. J. CENCE, D. L. LIND, G. D. MEAD, AND B. J. MOYER
 399 61 V. G. D. MEAD, R. J. CENCE D. L. LIND, AND B. J. MOYER
 441 61 ELDOING REQUIRED FOR THE IMPROVED BEVATRON. B. J. MOYER
 289 61 T. J. DEVLIN, J. A. HELLAND, M. J. LONGO, B. J. MOYER, AND V. PEREZ-MENDEZ
 253 61 N THE RANGE 450 TO 1650 MEV. T. J. DEVLIN, B. J. MOYER, AND V. PEREZ-MENDEZ
 277 61 ANNIHILATION IN HYDROGEN. C. K. HINRICHS, B. J. MOYER, J. A. POIRER, AND P. M. OGDEN
 266 61 N ANNIHILATION IN HYDROGEN. C. K. HINRICHS, B. J. MOYER, P. M. OGDEN ET AL
 383 61 UCRL-9864 MU CAPTURE WITH SIX NUCLEON FORM FACTORS. J. B. ADAMS
 395 61 SSION INDUCED BY RADIATIONLESS TRANSITIONS IN THE MU- MESONIC ATOMS, TH-232, U-235, AND U-238. J. A. DIAZ, S. N
 085 61 EDRY OF THE DICHLOROETHYLENES. J. A. HOWE, J. S. MUIRHEAD, AND J. H. GOLDSTEIN
 058 61 F ACCELERATED CARBON-14 IONS WITH BENZENE. R. T. MULLEN
 137 61 UCRL-9522 INSTRUMENTATION OF MULTICHANNEL COUNTING EXPERIMENTS. F. A. KIRSTEN AND D. A. MA
 145 61 UCRL-9720 A MULTIPLEX PULSE-HEIGHT RECORDER AND ANALYZER. A. A. WYDLER
 144 61 UCRL-9662 FORCE MULTIPLIER FOR USE WITH MASTER SLAVES. L. E. MILES, T. C. PARS
 206 61 RL-9322 MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. H. KRUGER
 258 61 BSTRACT MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY. K. M. CROWE AND H. KRUGER
 312 61 UCRL-9677 ON THE ABSENCE OF MUON- ELECTRON CONVERSION PROCESSES AND THE DELTA I EQUALS ONE
 438 61 UCRL-9707 STUDIES AT BERKELEY AND MURA ON FUTURE HIGH ENERGY PROTON ACCELERATOR. D. L. JUDD
 370 61 TIVE PION. E. F. BEALL, B. CORK, D. KEEFE, P. G. MURPHY, ET AL
 335 61 .83 BEV/C. V. COOK, D. KEEFE, L. T. KERTH, P. G. MURPHY, W. A. WENZEL, AND T. F. ZIPP
 257 61 O. I. DAHL, N. HORWITZ, D. H. MILLER, AND J. J. MURRAY
 166 61 IN VACUUM INSULATED HIGH-VOLTAGE SYSTEMS. J. J. MURRAY
 363 61 PION DECAYS. M. FERRO-LUZZI, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, AND R. D. TRIPP
 301 61 AHL, M. FERRO-LUZZI, J. KIRZ, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, R. D. TRIPP, AND M. B. WATSON
 297 61 ACTION. O. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND J. SCHWARTZ
 338 61 IN DEUTERIUM. O. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND M. WATSON
 235 61 TON. O. I. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND P. G. WHITE
 170 61 L-9824 FABRICATING LIQUID HYDROGEN TARGETS FROM MYLAR. D. L. MEHR
 061 61 UCRL-9655-ABSTRACT EFFECTS OF N-ACYL SUBSTITUTION ON RADIATION CHEMICAL PROPERTIES OF THE AL
 389 61 WO NUCLEON STRIPPING REACTION C-12 (HE-3, PROTON) N-14. J. CERNY, N. K. GLENDENNING, B. G. HARVEY, R. H. PEHL,
 211 61 UCRL-9394 N-15(PROTON, PROTON TWO NEUTRONS)N-13 REACTION INDUCED BY PROT
 147 61 UCRL-9726 A PULSED NANOSECOND LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 146 61 UCRL-9726-ABSTRACT A TRIGGERED NANOSECOND PULSED LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 129 61 NSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN NANOSECOND PULSES. S. C. BAKER
 232 61 NUCLEAR ORIENTATION OF DY-155 AND DY-157. Q. D. NAVARRO AND D. A. SHIRLEY
 173 61 05 NEUTRON GENERATORS. V. I. STRIJAK AND N. S. NAZAROV
 479 61 UCRL-9790 SUPERCONDUCTIVITY OF NB-25A/0 ZR ALLOY IN HIGH DC MAGNETIC FIELDS. P. R. ARON, AND
 037 61 V NUCLEAR QUADRUPOLE RESONANCE IN TICL4, THCL4, NBCL5, AND TACL5. A. H. REDDOCH
 264 61 UCRL-9562 NUCLEAR ORIENTATION OF ND147. G. A. WESTENBARGER AND D. A. SHIRLEY
 303 61 UCRL-9643-ABSTRACT THE NEGATIVE K MESON, PROTON INTERACTION IN THE 400 MEV/C REGION.
 338 61 UCRL-9735 NEGATIVE K- MESON INTERACTION IN DEUTERIUM. O. DAHL, N. HORWIT
 254 61 UCRL-9551-ABSTRACT NEGATIVE K- MESON INTERACTIONS IN HYDROGEN AT 1.15 BEV/C. M.
 381 61 UCRL-9859-ABSTRACT NEGATIVE K- MESON PLUS PROTON INTERACTIONS AT 1.15 BEV/C. M.
 409 61 -9943-ABSTRACT CASCADE HYPERONS IN THE REACTION NEGATIVE K- MESON PLUS PROTON YIELDS XI PLUS K-MESON AT 1.2 BE
 339 61 UCRL-9736 THE NEGATIVE K- MESON, PROTON AND NEUTRON INTERACTION FROM 0.6 BEV
 354 61 CRL-9762 MEASUREMENT OF TOTAL CROSS SECTIONS OF NEGATIVE K- MESONS IN HYDROGEN AND DEUTERIUM IN THE MOMENTUM R
 209 61 UCRL-9386 NEGATIVE K-MESON, PROTON AND NEGATIVE K-MESON, NEUTRON CROSS SECTIONS IN THE MOMENTUM RANGE
 209 61 UCRL-9386 NEGATIVE K-MESON, PROTON AND NEGATIVE K-MESON, NEUTRON CROSS S
 304 61 ATISTICS AND LAMBDA, PION PRODUCTION AND DECAY IN NEGATIVE K-MESON, PROTON COLLISIONS. R. H. DALITZ AND D. H. M
 257 61 UCRL-9556-ABSTRACT ABSORPTION OF NEGATIVE K-MESONS IN DEUTERIUM AND HYDROGEN. O. I. DAHL, N. H
 224 61 UCRL-9489 S- AND P-WAVE INTERACTIONS OF NEGATIVE K-MESONS IN HYDROGEN. P. NORDIN
 348 61 UCRL-9752 HYPERON PRODUCTION BY NEGATIVE K-MESONS INCIDENT ON HYDROGEN. W. E. HUMPHREY
 227 61 UCRL-9492 NEGATIVE XI PRODUCTION BY NEGATIVE K-MESONS. W. B. FOWLER, R. W. BIRGE, P. EBERHARD ET A
 394 61 UCRL-9894-ABSTRACT SINGLE PION PRODUCTION IN NEGATIVE PION PROTON COLLISIONS AT 380 MEV. B. C. BARISH, R.
 370 61 EUTRAL PION AND NEUTRAL LAMBDA YIELDS PROTON PLUS NEGATIVE PION. E. F. BEALL, B. CORK, D. KEEFE, P. G. MURPHY,
 283 61 UCRL-9607 NEGATIVE PION- PROTON ELASTIC SCATTERING IN THE ENERGY REGION
 290 61 UCRL-9623-ABSTRACT TOTAL CROSS SECTIONS FOR NEGATIVE PIONS ON PROTONS AT 230, 290, 370, 427, AND 460 MEV.
 244 61 UCRL-9539 PION PRODUCTION BY NEGATIVE PIONS. B. C. BARISH, R. J. KURZ, P. G. MCMANIGAL ET A
 319 61 DECAY MEASUREMENTS IN EMULSION ON PARTICLES OF NEGATIVE STRANGENESS. W. H. BARKAS, J. N. DYER, C. J. HASON,
 227 61 UCRL-9492 NEGATIVE XI PRODUCTION BY NEGATIVE K-MESONS. W. B. FOWLER, R.
 253 61 UCRL-9548-REV PION POSITIVE AND NEGATIVE-XI PION TOTAL CROSS SECTIONS IN THE RANGE 450 TO 1650 M
 363 61 UCRL-9798 ANALYSIS OF 1347 NEGATIVE-PION DECAYS. M. FERRO-LUZZI, D. H. MILLER, J. J. MUR
 235 61 N POSITIVE K-MESON PLUS PROTON YIELDS LAMBDA PLUS NEGATIVE-PION PLUS PROTON. O. I. DAHL, N. HORWITZ, D. H. MILL

052 61 N BY EXTENDED SILICIC ACID CHROMATOGRAPHY. G. J. NELSON
357 61 UCRL-9774 THE NUCLEAR SPIN OF NEODYMIUM-141. S. S. ALPERT, B. BUDICK, E. LIPWORTH, AND R. M
195 61 TURE RESISTANCE PROPERTIES OF LANTHANUM, BISMUTH, NEPTUNIUM, PLUTONIUM, AND AMERICIUM TO 450C AND 30 KILOBARS.
022 61 BIOELECTRIC EFFECTS OF HIGH ENERGY IRRADIATION ON NERVE. C. T. GAFFEY
393 61 E K- MESON YIELDS POSITRON PLUS NEUTRAL PION PLUS NEUTRINO DECAY INTERACTION. J. L. BROWN, J. A. KADYK, G. H. TR
154 61 UCRL-9861 A FAST NEUTRON ACTIVATION DETECTOR FOR 14-MEV PULSED NEUTRON SOURCES.
202 61 UCRL-8966-REV 5-BEV NEUTRON CROSS SECTIONS IN HYDROGEN AND OTHER ELEMENTS. J. H.
209 61 NEGATIVE K-MESON, PROTON AND NEGATIVE K-MESON, NEUTRON CROSS SECTIONS IN THE MOMENTUM RANGE 1 TO 4 BEV/C. V.
377 61 UCRL-9852-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF ERBIUM. R. D. MACFARLA
376 61 UCRL-9851-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF FRANCIUM. R. D. GRIFFIDEN
178 61 SICAL PROPERTIES OF EASTMAN TYPE A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR TRACK FILM. R. L. LEHMAN
356 61 UCRL-9768 PULSED NEUTRON EXPERIMENTS IN THE STUDENT LABORATORY
159 61 UCRL-TRANS-704 A PORTABLE NEUTRON GENERATING TUBE USING ION ACCELERATION. E. A. AB, G.
173 61 UCRL-TRANS-705 NEUTRON GENERATORS. V. I. STRIJAK AND N. S. NAZAROV
339 61 UCRL-9736 THE NEGATIVE K- MESON, PROTON AND NEUTRON INTERACTION FROM 0.6 BEV TO 3.5 BEV. V. COOK, B. CORK
297 61 ABSTRACT ESTIMATE OF THE S WAVE SIGMA-NEGATIVE, NEUTRON INTERACTION. O. DAHL, N. HORWITZ, D. H. MILLER, J. J.
335 61 OF POSITIVE K-MESON, PROTON AND POSITIVE K-MESON NEUTRON INTERACTIONS IN THE MOMENTUM REGION 0.77 TO 2.83 BEV/C
242 61 SOMERIC CROSS-SECTION RATIO FOR THE ALPHA, PROTON NEUTRON REACTION. G. R. CHOPPIN AND T. SIKKELAND
154 61 AST NEUTRON ACTIVATION DETECTOR FOR 14-MEV PULSED NEUTRON SOURCES. L. RUBY AND J. B. RECHEN
230 61 UCRL-9504 A THEORETICAL COMPARISON OF 4 PI FAST NEUTRON SPECTROMETERS. C. M. KIM
246 61 UCRL-9541-ABSTRACT NEUTRON-DEFICIENT ALPHA EMITTERS OF HOLMIUM. R. D. MACFARLANE
241 61 UCRL-9532 NEUTRON-DEFICIENT IRIIDIUM ISOTOPE. IR-182, IR-183, AND IR-184
416 61 Y DEPENDENCE OF THE CROSS SECTION OF THE REACTION NEUTRON, GAMMA RAY ON NATURAL CHLORINE. N. T. KASHUKEEV, I. P
414 61 4 COMPLETE TOTAL SCATTER CROSS SECTIONS OF FAST NEUTRONS BY ARGON AND CRYPTON. V. P. VLASENKO, I. A. GRITS, D.
411 61 TRACT PRODUCTION OF THE Y LAMBDA PION SYSTEM ON NEUTRONS IN CARBON. G. GIDAL, R. P. ELY, S. Y. FUNG, Y. L. PA
415 61 RL-TRANS-687 THEORY OF THE DIFFUSION OF THERMAL NEUTRONS TAKING ACCOUNT OF VELOCITY DISTRIBUTION. M. V. KAZAR
428 61 UCRL-TRANS-689 SCINTILLATION DETECTOR OF FAST NEUTRONS. L. I. KOROTKOV, I. V. SIVINTSEV, V. N. CHERNYSHEVICH
360 61 RL-9780 ENERGY LEVELS OF LU-172(71 PROTONS, 101 NEUTRONS). J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDERS
211 61 UCRL-9394 N-15(PROTON, PROTON TWO NEUTRONS)N-13 REACTION INDUCED BY PROTONS OF ENERGY 0.4 TO 6.2
355 61 N THE K=0 BAND OF ODD-ODD DEFORMED NUCLEI. N. D. NEWBY
095 61 RONS. B. Y. YAMANOTO, A. F. SCIAMANNA, AND A. S. NEWTON, AND A. F. SCIAMANNA
041 61 RADIOLYSIS OF BIACETYL VAPOR. G. J. MAINS, A. S. NEWTON, AND A. F. SCIAMANNA
029 61 MICE. C. S. REHNBERG, J. S. ASHIKAWA, AND A. V. NICHOLS
038 61 ATOGRAPHY. F. T. UPHAM, F. T. LINDGREN, AND A. V. NICHOLS
047 61 E LIPIDS AND LIPOPROTEINS. C. S. REHNBERG, A. V. NICHOLS, AND J. K. ASHIKAWA
044 61 OF FATTY ACIDS FROM DIALYSED LIPOPROTEINS. A. V. NICHOLS, C. S. REHNBERG, AND F. T. LINDGREN
319 61 SS. W. H. BARKAS, J. N. DYER, C. J. MASON, N. A. NICKOLS, AND F. M. SMITH
250 61 IN U-232. S. BJORNHOLM, A. B. KNUTSEN, AND D. B. NIELSEN
413 61 R. MARRUS, A. Y. CABEZAS, I. LINDGREN, AND W. A. NIERENBERG
390 61 NUCLEAR SPIN OF GALLIUM-70. V. J. EHLERS, W. A. NIERENBERG, AND H. A. SHUGART
403 61 ISOMERIC AU-196. Y. W. CHAN, W. B. EWANK, W. A. NIERENBERG, AND H. A. SHUGART
155 61 DIPOLE INTERNAL CONVERSION. G. KRAMER AND S. G. NILSSON
294 61 -ODD DEFORMED NUCLEI. N. K. GLENDENNING AND S. G. NILSSON
087 61 TION OF ALDOXIMES WITH ALKALI. H. RAPOPORT AND W. NILSSON
364 61 THE GIANT E1 RESONANCE FOR DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDENNING
457 61 THE GIANT EL RESONANCE IN DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDENNING
080 61 UCRL-9795 THE PHOTOIONIZATION OF NITRIC OXIDE. J. P. DOERING AND B. H. MAHAN
177 61 UCRL-12000-VOL.3 NO-24 UNCLASSIFIED REPORTS RECEIVED AND ISSUED BY LAWRENCE R
077 61 OR FREON-13. W. N. HESS, R. L. MATHER, AND R. A. NOBLES
382 61 UCRL-9863 A SELF CONSISTENT MODEL FOR NONLEPTONIC DECAYS OF SIGMA AND LAMBDA HYPERONS. V. SINGH AND
224 61 NTERACTIONS OF NEGATIVE K-MESONS IN HYDROGEN. P. NORDIN
225 61 P-WAVE INTERACTIONS OF K- MESONS IN HYDROGEN. P. NORDIN
054 61 D C2H5I. D. R. HERSCHBACH, G. H. KWEI, AND J. A. NORRIS
432 61 ER, K. W. EHLERS, H. S. GORDON, R. M. MAIN, N. J. NORRIS, R. PETERS, L. SMITH, C. M. VAN ATTA, F. VOELKER, C. E.
454 61 ARGED PARTICLES IN ELECTROMAGNETIC FIELDS. T. G. NORTHRUP
178 61 SPONSE AND PHYSICAL PROPERTIES OF EASTMAN TYPE A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR TRACK FILM. R. L. LEH
228 61 UCRL-9497 NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROTONS ABOVE 1.
229 61 UCRL-9497-REV NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROTONS ABOVE 1.
395 61 UCRL-9895-ABSTRACT NUCLEAR FISSION INDUCED BY RADIATIONLESS TRANSITIONS IN THE MU
419 61 UCRL-TRANS-742 NUCLEAR FUSION. V. S. EMELIONOV
205 61 25 ATOMIC BEAM INVESTIGATIONS OF ELECTRONIC AND NUCLEAR GROUND STATES IN THE RARE EARTH REGION. A. Y. CABEZAS,
336 61 UCRL-9733 NUCLEAR MAGNETIC RESONANCE STUDIES, PART 1. H-1 TEMPERATURE DE
150 61 THE SIDEBAND TECHNIQUE IN A VARIABLE FREQUENCY NUCLEAR MAGNETIC RESONANCE SPECTROMETER. J. V. ACRIVOS
050 61 UCRL-9565 NUCLEAR MAGNETIC RESONANCE FLUORINE-FLUORINE COUPLING CONSTANT
053 61 72 TEMPERATURE DEPENDENT CHEMICAL SHIFTS IN THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF GASES. L. PETRAKIS AND C
333 61 UCRL-9730 THE EFFECT OF PAIR INTERACTION ON NUCLEAR MATTER. Y. PHU
351 61 UCRL-9757 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF AMERICIUM-242. R. MARRUS, AND J. WINOCUR
413 61 UCRL-9949-ABSTRACT HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF PRASEODYMIUM-142. R. MARRUS, A. Y. CABEZAS
332 61 UCRL-9729 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF RAE, BI-210. S. S. ALPERT, E. LIPWORTH, M.
387 61 UCRL-9869 NUCLEAR SPIN, HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 6.8-DAY LUTETIUM-177. F. R. PETERSEN AND H
320 61 CRL-9690 NUCLEAR SPIN, HYPERFINE STRUCTURE, AND NUCLEAR MOMENTS OF 64-HOUR YTTRIUM-90. F. R. PETERSEN, AND AN
232 61 UCRL-9508 NUCLEAR ORIENTATION OF DY-155 AND DY-157. Q. D. NAVARRO AND D.
264 61 UCRL-9562 NUCLEAR ORIENTATION OF NDI47. G. A. WESTENBARGER AND D. A. SHI
267 61 UCRL-9569 NUCLEAR ORIENTATION OF PARAMAGNETIC IMPURITY IONS. M. KAPLAN
219 61 UCRL-9452 NUCLEAR ORIENTATION OF PM-143. C. A. LOVEJOY, J. O. RASMUSSEN
477 61 UCRL-9747 NUCLEAR ORIENTATION OF SOME RARE-EARTH ISOTOPE. C. A. LOVEJOY
361 61 UCRL-9788 NUCLEAR ORIENTATION OF TB-156. C. A. LOVEJOY, AND D. A. SHIRL
128 61 NIC DATA-ACQUISITION SYSTEM FOR USE WITH A COMPLEX NUCLEAR PHYSICS EXPERIMENT. S. C. BAKER, F. A. KIRSTEN, D. A.
037 61 UCRL-8972-REV NUCLEAR QUADRUPOLE RESONANCE IN TlCl4, ThCl4, NbCl5, AND TaCl5
397 61 UCRL-9906-ABSTRACT NUCLEAR REACTION CROSS SECTIONS FOR 10.3 MEV PROTONS ON CARBON
279 61 UCRL-9595 INVESTIGATION OF NUCLEAR REACTIONS BY RECOIL STUDIES OF RADIOACTIVE PRODUCTS.
316 61 9683 EJECTION OF LARGE FRAGMENTS IN HIGH ENERGY NUCLEAR REACTIONS. V. P. CRESPO
094 61 XYGEN AND OTHER ELEMENTS BY MEANS OF HE-3 INDUCED NUCLEAR REACTIONS. S. S. MARKOWITZ AND J. D. MAHONY
468 61 UCRL-9642 SOME USEFUL TABLES FOR NUCLEAR SPECTROSCOPY IN TRANSMERCUY GROUP OF ELEMENTS, ELECTR
402 61 UCRL-9926-ABSTRACT NUCLEAR SPIN OF AG-112. W. B. EWANK, Y. W. CHAN, AND H. A. S
390 61 UCRL-9879 NUCLEAR SPIN OF GALLIUM-70. V. J. EHLERS, W. A. NIERENBERG, A
405 61 UCRL-9929-ABSTRACT NUCLEAR SPIN OF HOLMIUM-161. B. BUDICK AND R. MARRUS
403 61 UCRL-9927-ABSTRACT NUCLEAR SPIN OF ISOMERIC AU-196. Y. W. CHAN, W. B. EWANK, W.
357 61 UCRL-9774 THE NUCLEAR SPIN OF NEODYMIUM-141. S. S. ALPERT, B. BUDICK, E. LI
302 61 UCRL-9641-ABSTRACT THE NUCLEAR SPIN OF SCANDIUM-46. F. R. PETERSEN AND H. A. SHUGART
404 61 UCRL-9928-ABSTRACT THE NUCLEAR SPIN OF YTTRIUM-91. F. R. PETERSEN AND H. A. SHUGART
240 61 UCRL-9531 ANALYSIS OF THE A-3(X3)3 NUCLEAR SPIN SYSTEM PION- ELECTRON COUPLED HYPERFINE SPLITTING
387 61 UCRL-9869 NUCLEAR SPIN, HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 6.8-D
320 61 UCRL-9690 NUCLEAR SPIN, HYPERFINE STRUCTURE, AND NUCLEAR MOMENTS OF 64-H

178 61 F EASTMAN TYPE A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR TRACK FILM. R. L. LEHMAN
314 61 UCRL-9679 CLEBSCH GORDAN COEFFICIENTS FOR NUCLEAR TRANSITION PROBABILITIES, 1 ODD-MASS NUCLIDES. J. K.
048 61 ABSTRACT ISOMERIC CHEMICAL SHIFTS IN ODD PROTON NUCLEI. D. A. SHIRLEY
247 61 DECAY BRANCHING RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI. J. O. RASMUSSEN
355 61 SCATTERING IN THE K=0 BAND OF ODD-ODD DEFORMED NUCLEI. N. D. NEWBY
457 61 CALCULATIONS AND THE GIANT EL RESONANCE IN DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDENNING
325 61 DIRECT EVIDENCE FOR ALPHA PARTICLE CLUSTERING IN NUCLEI. T. J. GOODING AND G. IGO
469 61 UCRL-9648 THE MAGNETIC PROPERTIES OF DEFORMED NUCLEI. L. CHIAO
294 61 REACTIONS IN SPECTRA OF ODD-A AND ODD-ODD DEFORMED NUCLEI. N. K. GLENDENNING AND S. G. NILSSON
364 61 UCRL-9803 THE GIANT E1 RESONANCE FOR DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDENNING
228 61 UCRL-9497 NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROT
229 61 UCRL-9497-REV NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROT
248 61 UCRL-9543 ANTI-K- MESON NUCLEON BOUND-STATE INTERPRETATION OF THE 1385-MEV PION, LAMBDA
383 61 UCRL-9864 MU CAPTURE WITH SIX NUCLEON FORM FACTORS. J. B. ADAMS
324 61 UCRL-9708 THE K- MESON NUCLEON INTERACTION. L. T. KERTH
296 61 UCRL-9634 THEORY OF LOW ENERGY NUCLEON NUCLEON SCATTERING. M. L. GOLDBERGER, M. T. GRISARU,
373 61 PE INDEPENDENT APPROACH TO MODERATELY HIGH ENERGY NUCLEON NUCLEON SCATTERING. L. A. P. BALAZS
223 61 IVE, PROTON ELASTIC SCATTERING AT 310 MEV. RECOIL NUCLEON POLARIZATION. J. H. FOOTE, D. CHAMBERLAIN, E. H. ROGE
262 61 UCRL-9561-ABSTRACT THEORY OF PION, NUCLEON SCATTERING IN THE STRIP APPROXIMATION TO THE MANDELSTA
263 61 UCRL-9561 THEORY OF PION- NUCLEON SCATTERING IN THE STRIP APPROXIMATION TO THE MANDELSTA
373 61 ENDENT APPROACH TO MODERATELY HIGH ENERGY NUCLEON NUCLEON SCATTERING. L. A. P. BALAZS
296 61 UCRL-9634 THEORY OF LOW ENERGY NUCLEON NUCLEON SCATTERING. M. L. GOLDBERGER, M. T. GRISARU, S. W. MA
389 61 UCRL-9878-ABSTRACT ANALYSIS OF THE TWO NUCLEON STRIPPING REACTION C-12 (HE-3, PROTON) N-14. J. CERNY
231 61 UCRL-9505 THE TWO NUCLEON STRIPPING REACTION. N. K. GLENDENNING
327 61 UCRL-9714 TWO NUCLEON TRANSFER REACTIONS IN THE LIGHT ELEMENTS. J. CERNY
330 61 ULAR MOMENTUM ON GAMMA-RAY PRODUCTION IN COMPOUND NUCLEUS REACTIONS. J. F. MOLLENAUER
337 61 PION PAIRS BY A PHOTON IN THE COULOMB FIELD OF A NUCLEUS. Y. KIM..
314 61 FOR NUCLEAR TRANSITION PROBABILITIES, 1 ODD-MASS NUCLIDES. J. K. LUM, J. H. LIGHT, AND F. ASARO
157 61 TER SYSTEM. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
127 61 TIME DELAYS. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
099 61 ONIFICATION WITH HYDROGEN- AND HYDROXYL-IONS. P. NYLEN
100 61 ALYSIS AT THE HYDROLYSIS OF DIETHYLPHOSPHITE. P. NYLEN
292 61 628-ABSTRACT REACTION CROSS SECTION FOR 160 MEV O-16 IONS IN ALUMINUM BY THE ATTENUATION METHOD. G. IGO AND B
105 61 UCRL-TRANS-737 INCORPORATION OF O-18 FROM HEAVY OXYGEN WATER IN VIOLAXANTHENE UNDER THE EFFECT
362 61 UCRL-9789 RESPONSE OF THE OAK RIDGE CRITICALITY FISSION FOIL MONITOR. B. WAYLAND
247 61 REFINEMENT OF ALPHA DECAY BRANCHING RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI. J. O. RASMUSSEN
048 61 UCRL-9530-ABSTRACT ISOMERIC CHEMICAL SHIFTS IN ODD PROTON NUCLEI. D. A. SHIRLEY
294 61 EFFECTS OF RESIDUAL INTERACTIONS IN SPECTRA OF ODD-A AND ODD-ODD DEFORMED NUCLEI. N. K. GLENDENNING AND S. G.
349 61 UCRL-9753 THEORY OF ODD-MASS ELLIPSOIDAL NUCLEI. L. W. PERSON
314 61 EFFICIENTS FOR NUCLEAR TRANSITION PROBABILITIES, 1 ODD-MASS NUCLIDES. J. K. LUM, J. H. LIGHT, AND F. ASARO
294 61 OF RESIDUAL INTERACTIONS IN SPECTRA OF ODD-A AND ODD-ODD DEFORMED NUCLEI. N. K. GLENDENNING AND S. G. NILSSON
355 61 UCRL-9764 SCATTERING IN THE K=0 BAND OF ODD-ODD DEFORMED NUCLEI. N. D. NEWBY
238 61 UCRL-9525 ALPHA, DEUTERON REACTIONS ON ODD-ODD TARGETS. J. CERNY, B. G. HARVEY, AND R. H. PEHL
266 61 N IN HYDROGEN. C. K. HINRICH, B. J. MOYER, P. M. OGDEN ET AL
277 61 K. HINRICH, B. J. MOYER, J. A. POIRER, AND P. M. OGDEN
380 61 W. CHINOWSKY, G. GOLDBABER, S. GOLDBABER, AND T. OHALLORAN
400 61 TRACT PION-PION CORRELATION IN TAU DECAY. T. A. OHALLORAN, G. GOLDBABER, AND S. GOLDBABER
067 61 TRAHYDRATE. D. H. TEMPLETON, H. W. RUBEN, AND I. OLOVSSON
106 61 ZED PARTICLES BY A GAS STREAM. J. FURUKAWA AND K. OMAE
378 61 UCRL-9856 SPIN AND PARITY OF THE OMEGA MESON. M. L. STEVENSON, L. W. ALVAREZ, B. C. MAGLIC, AN
301 61 SONANCE, THE LAMBDA-PION SYSTEM WITH RESONANCE OF ONE. J. P. BERGE, P. BASTIEN, O. DAHL, M. FERRO-LUZZI, J. KIR
311 61 ATIO OF THE LAMBDA- PION SYSTEM WITH RESONANCE OF ONE. M. H. ALSTON, L. W. ALVAREZ, P. EBERHARD, M. L. GOOD, W.
312 61 CTRON CONVERSION PROCESSES AND THE DELTA I EQUALS ONE-HALF RULE. S. A. SLUDMAN
181 61 IC BAG PASSOUT UNIT FOR HIGH LEVEL RADIO-CHEMICAL OPERATIONS. E. S. FLEISCHER, T. C. PARSONS, AND P. W. HOWE
386 61 UCRL-9868 DOUBLE TENSOR OPERATORS FOR CONFIGURATION OF EQUIVALENT ELECTRONS. B. R. JU
141 61 ABSTRACT PROPOSED METHOD FOR THE ENHANCEMENT OF OPTICAL PUMPING DOUBLE RESONANCE SIGNALS. E. LIPWORTH
188 61 9727 OPTIK, AN IBM 709 COMPUTER PROGRAM FOR THE OPTICS OF HIGH ENERGY PARTICLE BEAMS. T. J. DEVLIN
188 61 UCRL-9727 OPTIK, AN IBM 709 COMPUTER PROGRAM FOR THE OPTICS OF HIGH ENER
461 61 UCRL-9568 ORBITAL RADII, BOND LENGTH AND RESONANCE. G. R. SOMAJAJULU
085 61 UCRL-9817 SIMPLE MOLECULAR ORBITAL THEORY OF THE DICHLORODETHYLENES. J. A. HOWE, J. S. MU
007 61 UCRL-9519, UCRL-9652, UCRL-9772 BIO ORGANIC CHEMISTRY QUARTERLY REPORT.
096 61 UCRL-9934 PRIMORDIAL ORGANIC CHEMISTRY. I. COMPOUNDS RESULTING FROM ELECTRON IRRADI
050 61 FLUORINE-FLUORINE COUPLING CONSTANTS IN SATURATED ORGANIC COMPOUNDS. L. PETRAKIS AND C. H. SEDERHOLM
490 61 SUREMENT OF EXTREMELY SHORT DISSOCIATION TIMES OF ORGANIC IONS WITH THE FIELD IONIZATION MASS SPECTROMETER. H. D
070 61 GE TRANSFER ASSOCIATION AND PARAMAGNETISM OF SOME ORGANIC SYSTEMS. J. W. EASTMAN
031 61 L-9903 ON PH EFFECTS IN THE RADIOLYSIS OF AQUEO- ORGANIC SYSTEMS. W. M. GARRISON, B. M. WEEKS, AND S. COLE
232 61 UCRL-9508 NUCLEAR ORIENTATION OF DY-155 AND DY-157. Q. O. NAVARRO AND D. A. SHIR
264 61 UCRL-9562 NUCLEAR ORIENTATION OF ND147. G. A. WESTENBARGER AND D. A. SHIRLEY
267 61 UCRL-9569 NUCLEAR ORIENTATION OF PARAMAGNETIC IMPURITY IONS. M. KAPLAN AND D. A
219 61 UCRL-9452 NUCLEAR ORIENTATION OF PM-143. C. A. LOVEJOY, J. O. RASMUSSEN, AND D.
477 61 UCRL-9747 NUCLEAR ORIENTATION OF SOME RARE-EARTH ISOTOPE. C. A. LOVEJOY
361 61 UCRL-9788 NUCLEAR ORIENTATION OF TB-156. C. A. LOVEJOY, AND D. A. SHIRLEY
002 61 UCRL-9440 THE ORIGIN OF LIFE ON EARTH AND ELSEWHERE. 2. M. CALVIN
448 61 OPERTIES OF SOLID HYDROGEN UNDER PRESSURE. W. H. ORTTUNG
417 61 LECTRON BOMBARDMENT OF MOLECULES. D. BECK AND O. OSBERGHAUS
086 61 UCRL-9821 KINETICS OF THE OXIDATION OF MAGNESIUM FLUORIDE. D. R. MESSIER
023 61 UCRL-9813 RADIATION-INDUCED OXIDATION OF PROTEIN IN AQUEOUS SOLUTION. W. M. GARRISON, M.
040 61 UCRL-9332 OXIDATION POTENTIAL OF THE CE(III), CE(IV) COUPLE AS A FUNCTIO
476 61 UCRL-9723 THE HEAT CAPACITY OF SILVER OXIDE AT LOW TEMPERATURES. L. V. GREGOR
080 61 UCRL-9795 THE PHOTOIONIZATION OF NITRIC OXIDE. J. P. DOERING AND B. H. MAHAN
075 61 UDY OF THE NEAR ULTRAVIOLET SPECTRUM OF MAGNESIUM OXIDE. S. TRAJMAR
197 61 UCRL-TRANS-706 DISSOCIATION ENERGIES OF OXIDES OF MAGNESIUM, CALCIUM, STRONTIUM, AND BARIUM. I. V. VE
103 61 UCRL-TRANS-707 ON THE BASIC ELECTRON STATE OF OXIDES OF MOLECULES OF GROUP 2 ELEMENTS. I. V. VEITS AND L. V
104 61 ON THE DISSOCIATION ENERGIES OF MOLECULES OF THE OXIDES OF THE ALKALINE EARTH ELEMENTS. I. V. VEITS AND L. V. G
064 61 ARRIER FREE SEPARATION OF HAFNIUM FROM RARE EARTH OXIDES. M. I. TOCHER AND J. M. HOLLANDER
094 61 UCRL-9908-ABSTRACT ACTIVATION ANALYSIS FOR OXYGEN AND OTHER ELEMENTS BY MEANS OF HE-3 INDUCED NUCLEAR REA
105 61 UCRL-TRANS-737 INCORPORATION OF O-18 FROM HEAVY OXYGEN WATER IN VIOLAXANTHENE UNDER THE EFFECT OF LIGHT ON PLA
225 61 UCRL-9489-REV S- AND P-WAVE INTERACTIONS OF K- MESONS IN HYDROGEN. P. NORDIN
224 61 UCRL-9489 S- AND P-WAVE INTERACTIONS OF NEGATIVE K-MESONS IN HYDROGEN. P. NORD
323 61 S IN THE PION HYPERON SYSTEM. L. T. KERTH AND A. PAIS
096 61 RESULTING FROM ELECTRON IRRADIATION OF C14H4. C. PALM AND M. CALVIN
411 61 N CARBON. G. GIDAL, R. P. ELY, S. Y. FUNG, Y. L. PAN, W. M. POWELL AND H. S. WHITE
107 61 PHOTOCHEMICAL MEASUREMENTS. X-RAY DIFFRACTION. L. PAOLONI
135 61 UCRL-9483 A PAPER TAPE TO MAGNETIC TAPE CONVERTER. L. F. FLORES

097 61 55 CRYSTAL STRUCTURE OF THE CARBON TETRABROMIDE PARA XYLENE COMPLEX. F. J. STRIETER AND D. TEMPLETON
 462 61 TRON SPIN RESONANCE ABSORPTION OF TWO SOLID STATE PARAMAGNETIC CENTERS, PART 1. FROZEN TETRAMETHYL AMMONIUM SOLU
 267 61 UCRL-9569 NUCLEAR ORIENTATION OF PARAMAGNETIC IMPURITY IONS. M. KAPLAN AND D. A. SHIRLEY
 024 61 UCRL-9823 ELECTRON PARAMAGNETIC RESONANCE IN BIOLOGY. G. M. ANDROES AND M. CALVIN
 070 61 UCRL-9722 CHARGE TRANSFER ASSOCIATION AND PARAMAGNETISM OF SOME ORGANIC SYSTEMS. J. W. EASTMAN
 378 61 UCRL-9856 SPIN AND PARITY OF THE OMEGA MESON. M. L. STEVENSON, L. W. ALVAREZ, B.
 025 61 ULOSE DIPHOSPHATE BY SPINACH CHLOROPLASTS. R. B. PARK AND N. G. PON
 030 61 PERIODS OF PHYSIOLOGICAL HYPERTRANSFUSION. H. G. PARKER
 062 61 E RADIO- ISOTOPE CHEMISTRY. N. C. SPENCER, T. C. PARSONS AND P. W. HOWE
 167 61 LAWRENCE RADIATION LABORATORY. P. W. HOWE, T. C. PARSONS, AND L. E. MILES
 181 61 ADIO-CHEMICAL OPERATIONS. E. S. FLEISCHER, T. C. PARSONS, AND P. W. HOWE
 144 61 ER FOR USE WITH MASTER SLAVES. L. E. MILES, T. C. PARSONS, AND P. W. HOWE
 188 61 09 COMPUTER PROGRAM FOR THE OPTICS OF HIGH ENERGY PARTICLE BEAMS. T. J. DEVLIN
 325 61 FROM CARBON AND HELIUM, DIRECT EVIDENCE FOR ALPHA PARTICLE CLUSTERING IN NUCLEI. T. J. GOODING AND G. IGO
 293 61 IC SCATTERING OF 920 MEV ALPHA PARTICLES BY ALPHA PARTICLE CLUSTERS IN C-12. T. J. GOODING AND G. IGO
 139 61 IMITATIONS TO ENERGY RESOLUTION IN SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULDING
 138 61 LIMITATIONS TO ENERGY RESOLUTION IN SEMICONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULDING
 200 61 UCRL-8030-REV DATA FOR ELEMENTARY PARTICLE PHYSICS. W. H. BARKAS AND A. H. ROSENFELD
 038 61 039 SOME CHARACTERISTICS OF A STRONTIUM-90 BETA PARTICLE RADIATION DETECTOR FOR GAS- LIQUID CHROMATOGRAPHY. F.
 261 61 UCRL-9560-ABSTRACT PARTICLE SPECTRA FROM HEAVY ION BOMBARDMENT. H. H. HECKMAN, D
 425 61 UCRL-9638-ABSTRACT INFORMATION CONTENT OF PARTICLE TRACKS. W. H. BARKAS
 424 61 UCRL-9578 INFORMATION CONTENT OF PARTICLE TRACKS. W. H. BARKAS
 367 61 UCRL-9811 CAN MASSLESS PARTICLES BE CHARGED. K. M. CASE AND S. G. GASIOROWICZ
 106 61 OF FLUIDIZED PARTICLES, 2. EXPANSION OF FLUIDIZED PARTICLES BY A GAS STREAM. J. FURUKAWA AND K. OMAE
 293 61 TRACT QUASI ELASTIC SCATTERING OF 920 MEV ALPHA PARTICLES BY ALPHA PARTICLE CLUSTERS IN C-12. T. J. GOODING AN
 198 61 UCRL-TRANS-711 THE SHAPE OF PARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. P
 199 61 UCRL-TRANS-712 ON THE SHAPE OF PARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. P
 325 61 UCRL-9710 SCATTERING OF 915 MEV ALPHA PARTICLES FROM CARBON AND HELIUM, DIRECT EVIDENCE FOR ALPHA PA
 443 61 UCRL-TRANS-690 A NEW SCHEME FOR EXTRACTION OF PARTICLES FROM THE SYNCHROCYCLOTRON. I. M. MATORA
 454 61 UCRL-9517 THE ADIABATIC MOTION OF CHARGED PARTICLES IN ELECTROMAGNETIC FIELDS. T. G. NORTHROP
 268 61 UCRL-9570 SEARCH FOR POSITIVE PARTICLES OF MASSES ABOUT 500 ELECTRON MASSES AND 1400 ELECTRO
 319 61 UCRL-9689 DECAY MEASUREMENTS IN EMULSION ON PARTICLES OF NEGATIVE STRANGENESS. W. H. BARKAS, J. N. DYER,
 010 61 -ABSTRACT BIOLOGICAL EFFECTS OF HEAVY RADIATION PARTICLES. C. A. TOBIAS
 272 61 -9580 ON THE STRONG INTERACTIONS OF THE STRANGE PARTICLES. R. H. DALITZ
 106 61 UCRL-TRANS-739 CHARACTERISTICS OF FLUIDIZED PARTICLES, 2. EXPANSION OF FLUIDIZED PARTICLES BY A GAS STREAM
 217 61 UCRL-9446 PARTICULATE RADIATION. ELECTRONS, PROTONS UP TO CARBON. C. A.
 181 61 UCRL-9660 REMOTE PLASTIC BAG PASSOUT UNIT FOR HIGH LEVEL RADIO-CHEMICAL OPERATIONS. E. S.
 102 61 AVIOR IN COACERVATES. V. P. SLOBODSKAIA AND A. G. PASYNSKII
 032 61 LE DEVICE FOR CONSTANT INFUSION OF THE AMBULATORY PATIENT. R. JOHNSON, P. DOWLING, AND D. VAN DYKE
 426 61 692 THE GRAIN DENSITY OF EMULSION TRACKS. J. W. PATRICK AND W. H. BARKAS
 120 61 F THE POSITIVE COLUMN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
 121 61 F THE POSITIVE COLUMN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
 113 61 E COLUMN IN A LONGITUDINAL MAGNETIC FIELD. G. A. PAULIKAS
 478 61 E H-2 IONS BY A MAGNETIC FIELD. S. KAPLAN, G. A. PAULIKAS, AND R. V. PYLE
 123 61 ENDE STRONTIUM PLASMA SOURCE. H. F. RUGGE, G. A. PAULIKAS, R. V. PYLE, AND J. W. STEARNS
 126 61 ENT SWITCHING CIRCUITRY. J. G. SALVADOR AND D. O. PEDERSON
 238 61 DD-ODD TARGETS. J. CERNY, B. G. HARVEY, AND R. H. PEHL
 389 61 J. CERNY, N. K. GLENDENNING, B. G. HARVEY, R. H. PEHL, AND E. RIVET
 111 61 J. M. WILCOX, A. W. DESILVA, W. S. COOPER III, P. PERLISSIER AND W. R. BAKER
 155 61 UCRL-9877 ON THE PENETRATION EFFECT IN ELECTRIC DIPOLE INTERNAL CONVERSION. G.
 040 61 I), CE(IV) COUPLE AS A FUNCTION OF TEMPERATURE IN PERCHLORIC ACID SOLUTIONS, THERMODYNAMIC PROPERTIES. H. L. CO
 253 61 O TO 1650 MEV. T. J. DEVLIN, B. J. MOYER, AND V. PEREZ-MENDEZ
 289 61 J. A. HELLAND, M. J. LONGO, B. J. MOYER, AND V. PEREZ-MENDEZ
 394 61 LISIONS AT 380 MEV. B. C. BARISH, R. J. KURZ, V. PEREZ-MENDEZ, AND J. SOLOMON
 202 61 D OTHER ELEMENTS. J. H. ATKINSON, W. N. HESS, V. PEREZ-MENDEZ, AND R. WALLACE
 226 61 GEN AND DEUTERIUM. R. W. KENNEY, E. A. KNAPP, V. PEREZ-MENDEZ, AND W. A. PERKINS
 290 61 MEV. L. K. GOODWIN, J. C. CARIS, R. W. KENNEY, V. PEREZ-MENDEZ, AND W. A. PERKINS III
 290 61 . CARIS, R. W. KENNEY, V. PEREZ-MENDEZ, AND W. A. PERKINS III
 226 61 . KENNEY, E. A. KNAPP, V. PEREZ-MENDEZ, AND W. A. PERKINS
 237 61 ECAY-ENERGY SYSTEMATICS OF THE HEAVY ELEMENTS. I. PERLMAN AND F. ASARO
 352 61 M. F. ASARO, M. C. MICHEL, S. G. THOMPSON, AND I. PERLMAN
 349 61 3 THEORY OF ODD-MASS ELLIPSOIDAL NUCLEI. L. W. PERSON
 178 61 SE AND PHYSICAL PROPERTIES OF EASTMAN TYPE A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR TRACK FILM. R. L. LEHMAN
 432 61 HLEERS, H. S. GORDON, R. M. MAIN, N. J. NORRIS, R. PETERS, L. SMITH, C. M. VAN ATTA, F. VOELKER, C. E. ANDERSON,
 302 61 ABSTRACT THE NUCLEAR SPIN OF SCANDIUM-46. F. R. PETERSEN AND H. A. SHUGART
 387 61 D NUCLEAR MOMENTS OF 6.8-DAY LUTETIUM-177. F. R. PETERSEN AND H. A. SHUGART
 404 61 -ABSTRACT THE NUCLEAR SPIN OF YTTRIUM-91. F. R. PETERSEN AND H. A. SHUGART
 221 61 MOMENTS OF K-43, Y-90, LA-140, AND LU-177. F. R. PETERSEN
 320 61 AND NUCLEAR MOMENTS OF 64-HOUR YTTRIUM-90. F. R. PETERSEN, AND AND H. A. SHUGART
 050 61 LING CONSTANTS IN SATURATED ORGANIC COMPOUNDS. L. PETRAKIS AND C. H. SEDERHOLM
 053 61 E NUCLEAR MAGNETIC RESONANCE SPECTRA OF GASES. L. PETRAKIS AND C. H. SEDERHOLM
 336 61 CAL SHIFTS, PART 2. F-19 SPIN-SPIN COUPLINGS. L. PETRAKIS
 031 61 UCRL-9903 ON PH EFFECTS IN THE RADIOLYSIS OF AQUO- ORGANIC SYSTEMS. W. M.
 491 61 UCRL-TRANS-734 SOME PROBLEMS OF PHASE MEASUREMENTS. A. M. BONCH-BRUEVICH AND V. I. SHIROKOV
 222 61 N-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. PHASE SHIFT ANALYSIS. J. H. FOOTE, O. CHAMBERLAIN, E. H. ROGE
 243 61 UCRL-9535 LOW-ENERGY PION-PION S-WAVE PHASE SHIFTS. B. R. DESAI
 287 61 REE BODY PRODUCTION AND DECAY PROCESSES FOLLOWING PHASE SPACE DISTRIBUTION BY MONTE CARLO METHOD. J. A. KADYK
 196 61 SHEET METAL CAN FURNACE. R. C. DOYLE AND W. D. PHILLIPS
 444 61 RRQMAGNETIC COF2 AND MNF2. E. CATALANO AND N. E. PHILLIPS
 052 61 L-9571 STUDIES ON HUMAN SERUM PHOSPHOLIPIDS AND PHOSPHOLIPID FATTY ACID COMPOSITION BY EXTENDED SILICIC ACID C
 052 61 UCRL-9571 STUDIES ON HUMAN SERUM PHOSPHOLIPIDS AND PHOSPHOLIPID FATTY ACID COMPOSITION BY EXTEN
 107 61 TALS IN LIQUID AMMONIA, NOTE 4. SPECTROSCOPIC AND PHOTOCHEMICAL MEASUREMENTS. X-RAY DIFFRACTION. L. PAOLONI
 291 61 UCRL-9625-ABSTRACT ANGULAR DISTRIBUTION IN THE PHOTODISINTEGRATION OF THE DEUTERON. G. KRAMER
 420 61 UOTOMIC SCANNING AND MEASURING OF BUBBLE CHAMBER PHOTOGRAPHS. A. GRASSELLI
 080 61 UCRL-9795 THE PHOTOIONIZATION OF NITRIC OXIDE. J. P. DOERING AND B. H. MAHA
 226 61 UCRL-9491 PHOTOMESON PRODUCTION FROM HYDROGEN AND DEUTERIUM. R. W. KENN
 158 61 UCRL-9980-ABSTRACT PHOTOMULTIPLIER SINGLE ELECTRON STATISTICS. R. F. TUSTING, Q.
 337 61 UCRL-9734 PRODUCTION OF PION PAIRS BY A PHOTON IN THE COULOMB FIELD OF A NUCLEUS. Y. KIM
 307 61 UCRL-9656 LOW ENERGY PION PHOTON INTERACTION, THE 2 PION, 2 GAMMA VERTEX. B. R. DESAI
 210 61 -REV ELECTRON TRIPLET PRODUCTION BY HIGH ENERGY PHOTONS IN HYDROGEN. D. C. GATES, R. W. KENNEY, W. P. SWANSON
 396 61 UCRL-9902-ABSTRACT PHOTOPRODUCTION OF POSITIVE-PION IN HYDROGEN. D. MCPHERSON AN
 216 61 UCRL-9442 PHOTOPROTONS PRODUCED BY 245 15 MEV GAMMA RAYS ON CARBON. R.
 008 61 UCRL-9533 QUANTUM CONVERSION IN PHOTOSYNTHESIS. M. CALVIN
 021 61 UCRL-9784 EVOLUTION OF PHOTOSYNTHETIC MECHANISMS. M. CALVIN

473 61 UCRL-9695 CRYSTAL STRUCTURE AND PHYSICAL PROPERTIES OF AMERICIUM METAL. D. B. MCWHAN
 178 61 UCRL-9513 ENERGY RESPONSE AND PHYSICAL PROPERTIES OF EASTMAN TYPE A, NTA PERSONNEL NEUTRON D
 467 61 UCRL-9630 SOME PHYSICAL PROPERTIES OF THE VOLATILE HYDRIDES. W. L. JOLLY
 179 61 UCRL-9422 A VISIT TO SEVERAL HEALTH PHYSICS DEPARTMENTS IN WESTERN EUROPE AND TO THE SYMPOSIUM ON
 451 61 UCRL-9479, UCRL-9704 PHYSICS DIVISION SEMIANNUAL REPORT.
 128 61 -ACQUISITION SYSTEM FOR USE WITH A COMPLEX NUCLEAR PHYSICS EXPERIMENT. S. C. BAKER, F. A. KIRSTEN, D. A. MACK, A
 200 61 UCRL-8030-REV DATA FOR ELEMENTARY PARTICLE PHYSICS. W. H. BARKAS AND A. H. ROSENFELD
 429 61 NAL CONFERENCE ON INSTRUMENTATION FOR HIGH ENERGY PHYSICS, HELD AT LAWRENCE RADIATION LABORATORY, BERKELEY, SEPT
 030 61 L MASS AND LIFE SPAN IN THE RAT DURING PERIODS OF PHYSIOLOGICAL HYPERTRANSFUSION. H. G. PARKER
 230 61 UCRL-9504 A THEORETICAL COMPARISON OF 4 PI FAST NEUTRON SPECTROMETERS. C. M. KIM
 108 61 UCRL-9344 SOME CALCULATIONS ON TRIAX PINCH DEVICE. S. FISHER
 309 61 SYMMETRIES IN THE ANGULAR DISTRIBUTION OF NEUTRAL PION AND K-MESONS FORM ANTIPROTON ANNIHILATIONS IN FLIGHT. B.
 370 61 DECAYS POSITIVE SIGMA YIELDS PROTON PLUS NEUTRAL PION AND NEUTRAL LAMBDA YIELDS PROTON PLUS NEGATIVE PION. E.
 265 61 HE THEORY OF WEAK INTERACTIONS. PART 1. RADIATIVE PION DECAY INTO ELECTONS. PART 2. ELECTRO MAGNETIC PROPERTIES
 322 61 UCRL-9693 SIGMA DECAY MODES OF THE PION HYPERON RESONANCES. P. BASTIEN, M. FERRO-LUZZI AND A. H.
 323 61 -9706 ON THE GENTLE ART OF HUNTING BUMPS IN THE PION HYPERON SYSTEM. L. T. KERTH AND A. PAIS
 418 61 N PROTON PLUS PROTON YIELDS DEUTERON PLUS POSITIVE PION IN THE THRESHOLD REGION OF PAIR FORMATION OF PIONS. I. K
 337 61 UCRL-9734 PRODUCTION OF PION PAIRS BY A PHOTON IN THE COULOMB FIELD OF A NUCLEUS. Y.
 307 61 UCRL-9656 LOW ENERGY PION PHOTON INTERACTION, THE 2 PION, 2 GAMMA VERTEX. B. R. DE
 393 61 TUDY OF THE K- MESON YIELDS POSITRON PLUS NEUTRAL PION PLUS NEUTRINO DECAY INTERACTION. J. L. BROWN, J. A. KADYK
 407 61 RL-9940-ABSTRACT STUDY OF THE REACTION POSITIVE PION PLUS PROTON YIELD POSITIVE SIGMA PLUS POSITIVE K- MESON N
 253 61 UCRL-9548-REV PION POSITIVE AND NEGATIVE- PION TOTAL CROSS SECTIONS IN THE R
 304 61 UCRL-9644 BOSE STATISTICS AND LAMBDA, PION PRODUCTION AND DECAY IN NEGATIVE K-MESON, PROTON COLLISIO
 244 61 UCRL-9539 PION PRODUCTION BY NEGATIVE PIONS. B. C. BARISH, R. J. KURZ, P
 394 61 UCRL-9894-ABSTRACT SINGLE PION PRODUCTION IN NEGATIVE PION PRODUCTION COLLISIONS AT 380 MEV.
 394 61 894-ABSTRACT SINGLE PION PRODUCTION IN NEGATIVE PION PRODUCTION COLLISIONS AT 380 MEV.
 235 61 UCRL-9362 DIFFERENTIAL ELASTIC PION PRODUCTION COLLISIONS AT 380 MEV. B. C. BARISH, R. J. KURZ,
 366 61 UCRL-9514 INFLUENCE OF THE LAMBDA, PION RESONANCE ON CORRELATIONS IN THE REACTION POSITIVE K-MESO
 379 61 UCRL-9810 EVIDENCE FOR A T=0 THREE PION RESONANCE. B. STEVENSON
 379 61 UCRL-9857 EVIDENCE CONFIRMING THE T=ZERO THREE PION RESONANCE. N. H. XUONG AND G. R. LYNCH
 411 61 UCRL-9947-ABSTRACT PRODUCTION OF THE Y LAMBDA PION SYSTEM ON NEUTRONS IN CARBON. G. GDAL, R. P. ELY, S. Y.
 311 61 THE SIGMA/ LAMBDA BRANCHING RATIO OF THE LAMBDA- PION SYSTEM WITH RESONANCE OF ONE. M. H. ALSTON, L. W. ALVERE
 318 61 6 EVIDENCE FOR A T ZERO RESONANCE IN THE SIGMA PION SYSTEM. M. H. ALSTON, L. W. ALVEREZ, P. EBERHARD ET AL
 251 61 UCRL-9547 A RESONANCE IN THE K- MESON, PION SYSTEM. M. ALSTON, L. W. ALVAREZ, P. EBERHARD ET AL
 253 61 UCRL-9548-REV PION POSITIVE AND NEGATIVE- PION TOTAL CROSS SECTIONS IN THE RANGE 450 TO 1650 MEV. T. J.
 370 61 ON AND NEUTRAL LAMBDA YIELDS PROTON PLUS NEGATIVE PION. E. F. BEALL, B. CORK, D. KEEFE, P. G. MURPHY, ET AL
 249 61 DEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION. J. A. POIRIER AND M. PRIPSTEIN
 299 61 IDEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION] AT 460 MEV. J. A. POIRIER, W. C. BOWMAN, J. B. CARROLL,
 240 61 31 ANALYSIS OF THE A-3(X3)3 NUCLEAR SPIN SYSTEM PION- ELECTRON COUPLED HYPERFINE SPLITTING CONSTANTS IN AROMAT
 275 61 UCRL-9587 PION- HYDROGEN RESONANCES. M. H. ALSTON AND M. FERRO-LUZZI
 263 61 UCRL-9561 THEORY OF PION- NUCLEON SCATTERING IN THE STRIP APPROXIMATION TO THE MAN
 283 61 UCRL-9607 NEGATIVE PION- PRTON ELASTIC SCATTERING IN THE ENERGY REGION 500-1500
 301 61 UCRL-9640 THE PION-LAMBDA RESONANCE, THE LAMBDA-PION SYSTEM WITH RESONANCE O
 289 61 UCRL-9622 PION-NEGATIVE, PROTON ELASTIC SCATTERING AT 550, 600, 720, 900
 400 61 UCRL-9914-ABSTRACT PION-PION CORRELATION IN TAU DECAY. T. A. DHALLORAN, G. GOLDBA
 213 61 UCRL-9402 PION-PION CORRELATION IN ANTIPROTON- PROTON ANNIHILATION. G.
 401 61 UCRL-9915-ABSTRACT PION-PION CORRELATIONS IN ANTIPROTON, PROTON ANNIHILATIONS AT
 271 61 UCRL-9577 EXPERIMENTAL RESULTS ON THE PION-PION CROSS SECTION. J. A. ANDERSON, V. X. BANG, P. G. BU
 341 61 UCRL-9740 THE PION-PION INTERACTION. G. F. CHEW
 406 61 UCRL-9935-ABSTRACT S-WAVE PION-PION INTERACTIONS IN THE I = ZERO AND THE I = 2 STATE. J
 274 61 UCRL-9585 PION-PION INTERACTIONS. J. A. ANDERSON, V. X. BANG, P. G. BUR
 243 61 UCRL-9535 LOW-ENERGY PION-PION S-WAVE PHASE SHIFTS. B. R. DESAI
 252 61 UCRL-9548 PION-POSITIVE-OR-NEGATIVE, PROTON TOTAL CROSS SECTIONS IN THE
 222 61 UCRL-9481 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. PHASE SHI
 223 61 UCRL-9488 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. RECOIL NU
 278 61 UCRL-9594 ANGULAR DISTRIBUTION OF PROTONS FROM PION-PROTON SCATTERING AT 900 MEV. V. C. MAGLIC, B. T. FELD,
 248 61 UCLEON BOUND-STATE INTERPRETATION OF THE 1385-MEV PION, LAMBDA RESONANCE. R. H. DALITZ
 262 61 UCRL-9561-ABSTRACT THEORY OF PION, NUCLEON SCATTERING IN THE STRIP APPROXIMATION TO THE MAN
 307 61 -9656 LOW ENERGY PION PHOTON INTERACTION, THE 2 PION, 2 GAMMA VERTEX. B. R. DESAI
 228 61 NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROTONS ABOVE 1.4 BEV/C. M. J. LONGO
 229 61 NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROTONS ABOVE 1.4-BEV/C. M. J. LONGO AND B. J. MOYE
 290 61 9623-ABSTRACT TOTAL CROSS SECTIONS FOR NEGATIVE PIONS ON PROTONS AT 230, 290, 370, 427, AND 460 MEV. L. K. GOO
 374 61 UCRL-9836 DECAY OF NEUTRAL PIONS. H. SHWE, F. M. SMITH, AND W. H. BARKAS
 418 61 PION IN THE THRESHOLD REGION OF PAIR FORMATION OF PIONS. I. K. AKIMOV, O. V. SAVCHENKO, AND L. M. SOROKO
 244 61 UCRL-9539 PION PRODUCTION BY NEGATIVE PIONS. B. C. BARISH, R. J. KURZ, P. G. MCMANIGAL ET AL
 198 61 URING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITSCHE
 199 61 URING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITSCHE
 056 61 SODIUM AMMONIA SOLUTIONS. T. A. BECKMAN AND K. S. PITZER
 076 61 RTIES TO THE ACENTRIC FACTOR. F. DANON AND K. S. PITZER
 092 61 S THEORY FOR ARGON AND XENON. F. DANON AND K. S. PITZER
 105 61 TER IN VIOLAXANTHENE UNDER THE EFFECT OF LIGHT ON PLANTS. D. I. SAPOZHNIKOV, D. G. ALKHAZOV, Z. M. EIDELMAN ET A
 125 61 -TRANS-686 INVESTIGATION OF THE PROPERTIES OF A PLASMA IN A MAGNETIC FIELD. I. M. ZOLOTOTRUBOV, N. M. RYZHOV,
 029 61 S OF WHOLE BODY X- IRRADIATION AND FASTING ON PLASMA LIPIDS OF MICE. C. S. REHNBERG, J. S. ASHIKAWA, AND A.
 123 61 UCRL-9899-ABSTRACT A HOLLOW CATHODE STRONTIUM PLASMA SOURCE. H. F. RUGGE, G. A. PAULIKAS, R. V. PYLE, AND J
 114 61 OI EXPERIMENTAL STUDY OF HYDROMAGNETIC WAVES IN PLASMA. A. W. DESILVA
 111 61 A DEVICE FOR GENERATING A HIGHLY IONIZED HYDROGEN PLASMA. J. M. WILCOX, A. W. DESILVA, W. S. COOPER III, P. PE
 115 61 STRACT PRODUCTION OF A HIGH TEMPERATURE ROTATING PLASMA. K. HALBACH, D. VERON, AND W. R. BAKER
 110 61 ION DENSITY MEASUREMENTS IN A DECAYING HYDROGEN PLASMA. W. S. COOPER, A. W. DESILVA, AND J. M. WILCOX
 181 61 UCRL-9660 REMOTE PLASTIC BAG PASSOUT UNIT FOR HIGH LEVEL RADIO-CHEMICAL OPERATI
 159 61 N ACCELERATION. E. A. AB, G. M. ANDRIANOV, R. I. PLOTNIKOV, ET AL
 195 61 ANCE PROPERTIES OF LANTHANUM, BISMUTH, NEPTUNIUM, PLUTONIUM, AND AMERICIUM TO 450C AND 30 KILOBARS. D. MCWHAN,
 466 61 TRACT ZEMAN EFFECT OF THE TRANSITION TRIVALENT PLUTONIUM, 6-H-5/2 GOES TO J EQUALLING 11/2 IN HEXAGONAL SINGL
 219 61 UCRL-9452 NUCLEAR ORIENTATION OF PM-143. C. A. LOVEJOY, J. O. RASMUSSEN, AND D. A. SHIRLEY
 408 61 UCRL-9942-ABSTRACT HYPERFINE STRUCTURE OF PM-147. B. BUDICK AND R. MARRUS
 277 61 IN HYDROGEN. C. K. HINRICHS, B. J. MOYER, J. A. POIRIER, AND P. M. OGDEN
 249 61 US DEUTERON YIELDS ALPHA PLUS NEUTRAL PION. J. A. POIRIER AND M. PRIPSTEIN
 299 61 YIELDS ALPHA PLUS NEUTRAL PION] AT 460 MEV. J. A. POIRIER, W. C. BOWMAN, J. B. CARROLL, AND M. PRIPSTEIN
 300 61 UCRL-9639-ABSTRACT POLARIZATION AND CORRELATION TENSORS IN ELECTRON HYDROGEN ATOM
 223 61 TON ELASTIC SCATTERING AT 310 MEV. RECOIL NUCLEON POLARIZATION. J. H. FOOTE, O. CHAMBERLAIN, E. H. ROGERS, H. M
 152 61 UCRL-9843 NINE CHANNEL POLYCHROMATOR FOR OBSERVATION OF TIME DEPENDENT SPECTRAL LINE
 083 61 CTER SUBOXYDANS ON D- ARABITOL, RIBITOL AND OTHER POLYHYDROXY COMPOUNDS. V. MOSES AND R. J. FERRIER
 025 61 TE BY SPINACH CHLOROPLASTS. R. B. PARK AND N. G. PGN
 042 61 OXYDISMUTASE SYSTEM AND RELATED MATERIALS. N. G. PON
 472 61 TEM FOR MEASURING CRYOGENIC LIQUID DEPTHS. W. L. POPE AND E. F. MCLAUGHLIN

416 61 RAY ON NATURAL CHLORINE. N. T. KASHUKHEEV, I. P. POPOV, AND F. L. SHAPIRO
180 61 UCRL-9651 PORTABLE ALPHA SURVEY INSTRUMENT. W. J. ROACH AND R. J. WALKER
032 61 UCRL-9958 A PORTABLE DEVICE FOR CONSTANT INFUSION OF THE AMBULATORY PATIENT
159 61 UCRL-TRANS-704 A PORTABLE NEUTRON GENERATING TUBE USING ION ACCELERATION. E. A.
396 61 UCRL-9902-ABSTRACT PHOTOPRODUCTION OF POSITIVE-PION IN HYDROGEN. D. MCPHERSON AND R. KENNEY
423 61 9 VISUALIZING THE DISTRIBUTION OF GAMMA RAY AND POSITRON EMITTERS. H. O. ANGER
393 61 -9892 EXPERIMENTAL STUDY OF THE K- MESON YIELDS POSITRON PLUS NEUTRAL PION PLUS NEUTRINO DECAY INTERACTION. J.
009 61 NOROME IN MAMMALIAN RADIOBIOLOGY WITH EMPHASIS ON POSTIRRADIATION PROTECTION OF ANIMALS WITH LIPIDS. J. K. ASHI
483 61 D THE CONNECTION BETWEEN SPIN AND STATISTICS FROM POSTULATES OF THE S-MATRIX THEORY. H. P. STAPP
411 61 G. GIDAL, R. P. ELY, S. Y. FUNG, Y. L. PAN, W. M. POWELL AND H. S. WHITE
182 61 LARGE RADIOACTIVE IONS IN THE AIR. J. BRICARD, J. PRADEL, AND A. RENOUX
413 61 RACT HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF PRASEODYMIUM-142. R. MARRUS, A. Y. CABEZAS, I. LINDGREN, AND
151 61 UCRL-9816 MODEL-6 LINEAR AMPLIFIER SYSTEM AND PREAMPLIFIER. W. W. GOLDSWORTHY
198 61 UCRL-TRANS-711 THE SHAPE OF PARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITTSCH
199 61 UCRL-TRANS-712 ON THE SHAPE OF PARTICLES DURING PRECIPITATION OF CARBIDE IN ALPHA IRON. W. PITTSCH
014 61 UCRL-9688 PREPARATION OF BIOLOGICAL MATERIAL FOR RADIOAUTOGRAPHIC STUDIE
069 61 UCRL-9709 THE PREPARATION OF SOME GERMANIUM HYDRIDES. J. E. DRAKE
098 61 RMODYNAMIC FUNCTIONS FOR SOLIDS FROM DISSOCIATION PRESSURE DATA. A. W. SEARCY AND D. J. MESCHI
169 61 UCRL-9807 CALIBRATION OF BRIDGMAN ANVILS, A PRESSURE SCALE TO 125 KILOBARS. P. W. MONTGOMERY, H. STROMBER
472 61 UCRL-9672 A SENSITIVE DIFFERENTIAL PRESSURE SYSTEM FOR MEASURING CRYOGENIC LIQUID DEPTHS. W. L.
195 61 UCRL-9808 PRESSURE TEMPERATURE RESISTANCE PROPERTIES OF LANTHANUM, BISMU
448 61 9388 THERMAL PROPERTIES OF SOLID HYDROGEN UNDER PRESSURE. W. H. ORTTUNG
353 61 UCRL-9760 ON THE SPEED OF REACTIONS AT HIGH PRESSURES. E. TELLER
096 61 UCRL-9934 PRIMORDIAL ORGANIC CHEMISTRY. I. COMPOUNDS RESULTING FROM ELEC
299 61 A. POIRIER, W. C. BOWMAN, J. B. CARROLL, AND M. PRIPSTEIN
249 61 LDS ALPHA PLUS NEUTRAL PION. J. A. POIRIER AND M. PRIPSTEIN
314 61 LEBSCH GORDAN COEFFICIENTS FOR NUCLEAR TRANSITION PROBABILITIES, 1 ODD-MASS NUCLIDES. J. K. LUM, J. H. LIGHT, A
429 61 TION LABORATORY, BERKELEY, SEPTEMBER 12-14, 1960, PROCEEDINGS.
185 61 UCRL-9476 AUTOMATIC DATA PROCESSING PARTIAL PROCEEDINGS OF AN INFORMAL MEETING HELD SEP
165 61 UCRL-9503 THE CROSS PRODUCT OF E AND B VECTORS DISCHARGE AS A SOURCE OF IONS. K.
152 61 R FOR OBSERVATION OF TIME DEPENDENT SPECTRAL LINE PROFILES. G. R. SPILLMAN, W. S. COOPER AND J. M. WILCOX
188 61 UCRL-9727 OPTIK, AN IBM 709 COMPUTER PROGRAM FOR THE OPTICS OF HIGH ENERGY PARTICLE BEAMS. T. J. DE
184 61 UCRL-9309 IBM PROGRAM GUTS. DETAILED DESCRIPTION AND FLOW. F. SAFIER AND C.
183 61 UCRL-9099 REFERENCE MANUAL FOR KICK IBM PROGRAM. A. H. ROSENFELD ED
186 61 UCRL-9498 LINEAR PROGRAMMING APPLIED TO LINEAR DIFFERENTIAL EQUATIONS. J. D. Y
430 61 UCRL-9416 PRELIMINARY STUDIES ON BEAM PROGRAMMING IN A CYCLOTRON. H. A. WILLAX
453 61 UCRL-9496 ALFVEN WAVE REFLECTIONS AND PROPAGATION MODES. A. W. DESILVA, W. S. COPPER III, AND J. M.
174 61 UCRL-TRANS-729 PROPAGATION OF UNIDIMENSIONAL WAVES IN MATERIALS WITH DELAYED
455 61 UCRL-9523-ABSTRACT EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F
464 61 UCRL-9613-ABSTRACT EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
456 61 UCRL-9523 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F.
452 61 UCRL-9482 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, W. S. COOPER, AND F.
465 61 UCRL-9613 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
265 61 ION DECAY INTO ELECTONS. PART 2. ELECTRO MAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMEDIARY IN WEAK INTE
342 61 UCRL-9741 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMEDIARY IN WEAK INTE
392 61 UCRL-9889 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MESON. J. A. YOUNG AND S. A. B
125 61 UCRL-TRANS-686 INVESTIGATION OF THE PROPERTIES OF A PLASMA IN A MAGNETIC FIELD. I. M. ZOLOTOTRUBOV
473 61 UCRL-9695 CRYSTAL STRUCTURE AND PHYSICAL PROPERTIES OF AMERICIUM METAL. D. B. MCWHAN
469 61 UCRL-9648 THE MAGNETIC PROPERTIES OF DEFORMED NUCLEI. L. CHIAO
178 61 UCRL-9513 ENERGY RESPONSE AND PHYSICAL PROPERTIES OF EASTMAN TYPE A, NTA PERSONNEL NEUTRON DOSIMETER
076 61 UCRL-9775 THE VOLUMETRIC AND THERMODYNAMIC PROPERTIES OF FLUIDS, 6. RELATIONSHIP OF MOLECULAR PROPERTIES
088 61 UCRL-9840 THERMODYNAMIC PROPERTIES OF GASEOUS METAL DIHALIDES. L. BREWER, G. R. SOMAY
195 61 UCRL-9808 PRESSURE TEMPERATURE RESISTANCE PROPERTIES OF LANTHANUM, BISMUTH, NEPTUNIUM, PLUTONIUM, AND AM
448 61 UCRL-9388 THERMAL PROPERTIES OF SOLID HYDROGEN UNDER PRESSURE. W. H. ORTTUNG
061 61 ECTS OF N-ACYL SUBSTITUTION ON RADIATION CHEMICAL PROPERTIES OF THE ALPHA AMINO ACID. B. M. WEEKS, M. KLAND-ENGL
467 61 UCRL-9630 SOME PHYSICAL PROPERTIES OF THE VOLATILE HYDRIDES. W. L. JOLLY
076 61 OPERTIES OF FLUIDS, 6. RELATIONSHIP OF MOLECULAR PROPERTIES TO THE ACENTRIC FACTOR. F. DANON AND K. S. PITZER
040 61 ATURE IN PERCHLORIC ACID SOLUTIONS, THERMODYNAMIC PROPERTIES. H. L. CONLEY
068 61 UCRL-9705 CRYSTAL STRUCTURE OF PROPIONIC ACID. F. J. STRIETER AND D. H. TEMPLETON
148 61 UCRL-9765 AN ALPHA AIR PROPORTIONAL HAND AND FOOT COUNTER. W. J. ROACH AND R. J. WAL
450 61 UCRL-9458 THE ISOTOPES OF THORIUM, PROACTINIUM AND URANIUM. E. K. HYDE
009 61 IAN RADIOBIOLOGY WITH EMPHASIS ON POSTIRRADIATION PROTECTION OF ANIMALS WITH LIPIDS. J. K. ASHIKAWA
001 61 A STUDY OF THE METABOLIC FATE OF THE RADIATION PROTECTIVE COMPOUNDS, S,2 AMINO ETHYLTHIURONIUM BROMIDE, AE
023 61 UCRL-9813 RADIATION INDUCED OXIDATION OF PROTEIN IN AQUEOUS SOLUTION. W. M. GARRISON, M. E. JAYKO, AND
015 61 ISON OF CHEMICAL ACTIONS OF IONIZING RADIATION ON PROTEIN IN SOLUTION AND IN THE SOLID STATE. W. M. GARRISON
438 61 TUDIES AT BERKELEY AND MURA ON FUTURE HIGH ENERGY PROTON ACCELERATOR. D. L. JUDD
209 61 UCRL-9386 NEGATIVE K-MESON, NEUTRON CROSS SECTIONS IN THE MOM
339 61 UCRL-9736 THE NEGATIVE K- MESON, PROTON AND NEUTRON INTERACTION FROM 0.6 BEV TO 3.5 BEV. V. CO
335 61 L CROSS SECTION MEASUREMENTS OF POSITIVE K-MESON, PROTON AND POSITIVE K-MESON NEUTRON INTERACTIONS IN THE MOMENT
439 61 UCRL-9743 DEVELOPMENT OF A 100-MA PROTON BEAM SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK 2 INJ
394 61 BSTRACT SINGLE PION PRODUCTION IN NEGATIVE PION PROTON COLLISIONS AT 380 MEV. B. C. BARISH, R. J. KURZ, V. PE
399 61 10-ABSTRACT NEUTRAL MESON PRODUCTION IN PROTON- PROTON COLLISIONS AT 735 MEV. G. D. MEAD, R. J. CENCE D. L. L
304 61 A, PION PRODUCTION AND DECAY IN NEGATIVE K-MESON, PROTON COLLISIONS. R. H. DALITZ AND D. H. MILLER
298 61 UCRL-9636-ABSTRACT ANTIPROTON PROTON CROSS SECTIONS AT LOW ENERGY. B. CORK, O. I. DAHL, D.
289 61 UCRL-9622 PION-NEGATIVE, PROTON ELASTIC SCATTERING AT 550, 600, 720, 900, AND 1020 MEV.
222 61 UCRL-9481 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. PHASE SHIFT ANALYSIS. J
223 61 UCRL-9488 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. RECOIL NUCLEON POLARIZAT
283 61 UCRL-9607 NEGATIVE PION- PROTON ELASTIC SCATTERING IN THE ENERGY REGION 500-1500 MEV.
310 61 UCRL-9673 ANTIPROTON PROTON INELASTIC INTERACTIONS AT 1.61 BEV/C AND THEIR USE FOR
344 61 UCRL-9745 THE POSITIVE K-MESON, PROTON INTERACTION AT 455-MEV. T. F. STUBBS, H. BRADNER, W. CH
303 61 UCRL-9643-ABSTRACT THE NEGATIVE K MESON, PROTON INTERACTIONS IN THE 400 MEV/C REGION. R. TRIPP, M. FERR
381 61 UCRL-9859-ABSTRACT NEGATIVE K- MESON PLUS PROTON INTERACTIONS AT 1.15 BEV/C. M. ALSTON, L. W. ALVAREZ,
269 61 UCRL-9573-ABSTRACT POSITIVE K-MESON, PROTON INTERACTIONS BELOW 100 MEV. T. STUBBS, S. GOLDBABER,
346 61 UCRL-9750-ABSTRACT LAMBDA- PROTON INTERACTIONS BETWEEN 70 AND 180 MEV. G. ALEXANDER, J.
242 61 534 ISOMERIC CROSS-SECTION RATIO FOR THE ALPHA, PROTON NEUTRON REACTION. G. R. CHOPPIN AND T. SIKKELAND
048 61 L-9530-ABSTRACT ISOMERIC CHEMICAL SHIFTS IN ODD PROTON NUCLEI. D. A. SHIRLEY
370 61 ROTON PLUS NEUTRAL PION AND NEUTRAL LAMBDA YIELDS PLUS NEGATIVE PION. E. F. BEALL, B. CORK, D. KEEFE, P.
370 61 RY PARAMETERS IN THE DECAYS POSITIVE SIGMA YIELDS PROTON PLUS PLUS NEUTRAL PION AND NEUTRAL LAMBDA YIELDS PROTON PLUS
418 61 NERGY DEPENDENCE OF THE CROSS SECTION OF REACTION PROTON PLUS PROTON YIELDS DEUTERON PLUS POSITIVE PION IN THE TH
207 61 UCRL-9362 DIFFERENTIAL ELASTIC PION PROTON SCATTERING AT 600, 650, AND 750 MEV. J. I. SHONIE
440 61 UCRL-9743-REV DEVELOPMENT OF A 100-MA PROTON SOURCE AND LENS SYSTEM FOR THE BEVATRON MARK-2 INJECTOR
410 61 TIVE RANGE PARAMETERS FOR THE LOW ENERGY K-MESON, PROTON SYSTEM. W. HUMPHREY AND R. ROSS
273 61 UCRL-9581 FINAL STATES OF THE ANTIPROTON PROTON SYSTEM. G. R. LYNCH
252 61 UCRL-9548 PION-POSITIVE-OR-NEGATIVE, PROTON TOTAL CROSS SECTIONS IN THE RANGE 450 MEV TO 1650 MEV.

211 61 UCRL-9394 N-15(PROTON, PROTON TWO NEUTRONS)N-13 REACTION INDUCED BY PROTONS OF ENERGY
 407 61 STRACT STUDY OF THE REACTION POSITIVE PION PLUS PROTON YIELD POSITIVE SIGMA PLUS POSITIVE K- MESON NEAR THRESH
 418 61 ENCE OF THE CROSS SECTION OF REACTION PROTON PLUS PROTON YIELDS DEUTERON PLUS POSITIVE PION IN THE THRESHOLD REGI
 235 61 RRRELATIONS IN THE REACTION POSITIVE K- MESON PLUS PROTON YIELDS LAMBDA PLUS NEGATIVE-PION PLUS PROTON. D. I. DA
 409 61 E HYPERONS IN THE REACTION NEGATIVE K- MESON PLUS PROTON YIELDS XI PLUS K-MESON AT 1.2 BEV/C. L. W. ALVAREZ, J.
 235 61 PLUS PROTON YIELDS LAMBDA PLUS NEGATIVE-PION PLUS PROTON. D. I. DAHL, N. HORWITZ, D. H. MILLER, J. J. MURRAY, A
 389 61 OF THE TWO NUCLEON STRIPPING REACTION C-12 (HE-3, PROTON) N-14. J. CERNY, N. K. GLENDENNING, B. G. HARVEY, R. H
 399 61 UCRL-9910-ABSTRACT NEUTRAL MESON PRODUCTION IN PROTON- PROTON COLLISIONS AT 735 MEV. G. D. MEAD, R. J. CENCE
 329 61 UCRL-9719 THE ANOMALY IN MESON PRODUCTION IN PROTON, DEUTERON COLLISIONS. N. E. BOOTH, A. ABASHIAN, AND K.
 228 61 AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROTONS ABOVE 1.4 BEV/C. M. J. LONGO
 229 61 AND NUCLEAR CROSS SECTIONS FOR POSITIVE PIONS AND PROTONS AT 230, 290, 370, 427, AND 460 MEV. L. K. GOODWIN, J.
 290 61 RACT TOTAL CROSS SECTIONS FOR NEGATIVE PIONS ON PROTONS FROM PION-PROTON SCATTERING AT 900 MEV. V. C. MAGLIC,
 278 61 UCRL-9594 ANGULAR DISTRIBUTION OF PROTONS OF ENERGY 0.4 TO 6.2 BEV. L. C. SAH
 211 61 TON, PROTON TWO NEUTRONS)N-13 REACTION INDUCED BY PROTONS ON CARBON AND COPPER. G. IGO AND B. WILKINS
 397 61 ACT NUCLEAR REACTION CROSS SECTIONS FOR 10.3 MEV PROTONS UP TO CARBON. C. A. TOBIAS AND R. WALLACE
 217 61 UCRL-9446 PARTICULATE RADIATION. ELECTRONS, PROTONS. G. ALEXANDER, J. A. ANDERSON, F. S. CRAWFORD, W. LAS
 385 61 UCRL-9867 INTERACTIONS OF LAMBDA WITH PROTONS, 101 NEUTRONS). J. VALENTIN, D. J. HOREN, AND J. M. H
 360 61 UCRL-9780 ENERGY LEVELS OF LU-172(71 PULSE AMPLITUDE DISCRIMINATORS. D. A. MACK
 142 61 UCRL-9624 FAST PULSE-HEIGHT RECORDER AND ANALYZER. A. A. WYDLER
 145 61 UCRL-9720 A MULTIPLEX PULSED ELECTRONS. B. Y. YAMAMOTO, A. F. SCIAMANNA, AND A. S.
 095 61 RL-9924 THE RADIOLYSIS OF LIQUID ISOBUTANE WITH PULSED LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 146 61 UCRL-9726-ABSTRACT A TRIGGERED NANOSECOND PULSED NANOSECOND LIGHT SOURCE. T. G. INNES AND Q. A. KERNS
 147 61 UCRL-9726 A PULSED NEUTRON EXPERIMENTS IN THE STUDENT LABORATORY
 356 61 UCRL-9768 PULSED NEUTRON SOURCES. L. RUBY AND J. B. RECHEN
 154 61 1 A FAST NEUTRON ACTIVATION DETECTOR FOR 14-MEV PULSES. S. C. BAKER
 129 61 NCIDENCE DISCRIMINATOR CIRCUIT FOR TEN NANOSECOND PULSES. S. C. BAKER
 130 61 NCIDENCE DISCRIMINATOR CIRCUIT FOR TEN-NANOSECOND PULSES. S. C. BAKER
 141 61 PROPOSED METHOD FOR THE ENHANCEMENT OF OPTICAL PUMPING DOUBLE RESONANCE SIGNALS. E. LIPWORTH
 168 61 A HYPOTHESIS CONCERNING LIMITATIONS OF DIFFUSION PUMPS. P. B. KENNEDY
 333 61 EFFECT OF PAIR INTERACTION ON NUCLEAR MATTER. Y. PHU
 395 61 AND U-238. J. A. DIAZ, S. N. KAPLAN, AND R. V. PYLE
 120 61 MN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
 121 61 MN IN A MAGNETIC FIELD. G. A. PAULIKAS AND R. V. PYLE
 478 61 ETIC FIELD. S. KAPLAN, G. A. PAULIKAS, AND R. V. PYLE
 123 61 LASMA SOURCE. H. F. RUGGE, G. A. PAULIKAS, R. V. PYLE, AND J. W. STEARNS
 043 61 UCRL-9490. PRODUCTION OF PYRAZINE DERIVATIVES IN THE RADIOLYSIS OF AQUEOUS SOLUTIONS OF
 163 61 UCRL-9298-REV USE OF PYROELECTRIC DEVICES FOR MEASURING SMALL TEMPERATURE CHANGES.
 078 61 UCRL-9786 THE MICROWAVE SPECTRUM AND QUADRUPOLE INTERACTION IN CIS-1, 2- DICHLORODIETHYLENE. W. H. F
 037 61 UCRL-8972-REV NUCLEAR QUADRUPOLE RESONANCE IN TICL4, THCL4, NBCL5, AND TACL5. A. H.
 489 61 UCRL-TRANS-697 CLASSICAL GAUGE INVARIANCES OF QUANTIC ELECTRODYNAMICS. B. JOUVET
 008 61 UCRL-9533 QUANTUM CONVERSION IN PHOTOSYNTHESIS. M. CALVIN
 432 61 R. L. GLUCKSTERN, W. J. KNOX, M. S. MALKIN, A. R. QUINTON, L. SCHWARCZ, AND G. W. WHEELER
 061 61 9655-ABSTRACT EFFECTS OF N-ACYL SUBSTITUTION ON RADIATION CHEMICAL PROPERTIES OF THE ALPHA AMINO ACID. B. M. W
 038 61 E CHARACTERISTICS OF A STRONTIUM-90 BETA PARTICLE RADIATION DETECTOR FOR GAS- LIQUID CHROMATOGRAPHY. F. T. UPHAM
 133 61 -9436 LEAKAGE CURRENT IN SEMICONDUCTOR JUNCTION RADIATION DETECTORS AND ITS INFLUENCE ON ENERGY RESOLUTION CHA
 140 61 UCRL-9538 THICK JUNCTION RADIATION DETECTORS MADE BY ION DRIFT. J. H. ELLIOTT
 179 61 EUROPE AND TO THE SYMPOSIUM ON SELECTED TOPICS IN RADIATION DOSIMETRY HELD AT THE INTERNATIONAL ATOMIC ENERGY AG
 023 61 UCRL-9813 RADIATION INDUCED OXIDATION OF PROTEIN IN AQUEOUS SOLUTION. W
 167 61 ALLY ENCLOSED MASTER SLAVE OPERATIONS AT LAWRENCE RADIATION LABORATORY. P. W. HOWE, T. C. PARSONS, AND L. E. M
 185 61 ORMAL MEETING HELD SEPTEMBER 15, 1960 AT LAWRENCE RADIATION LABORATORY. P. V. C. HOUGH AND J. L. BROWN, EDITORS
 175 61 ATION DIVISION, UNIVERSITY OF CALIFORNIA LAWRENCE RADIATION LABORATORY, BERKELEY, CALIFORNIA.
 176 61 TION DIVISION, UNIVERSITY OF CALIFORNIA, LAWRENCE RADIATION LABORATORY, BERKELEY, CALIFORNIA
 429 61 NTATION FOR HIGH ENERGY PHYSICS, HELD AT LAWRENCE RADIATION LABORATORY, BERKELEY, SEPTEMBER 12-14, 1960, PROCEED
 177 61 LASSIFIED REPORTS RECEIVED AND ISSUED BY LAWRENCE RADIATION LABORATORY, 1961 SEMI-MONTHLY.
 015 61 RACT COMPARISON OF CHEMICAL ACTIONS OF IONIZING RADIATION ON PROTEIN IN SOLUTION AND IN THE SOLID STATE. W. M.
 010 61 UCRL-9596-ABSTRACT BIOLOGICAL EFFECTS OF HEAVY RADIATION PARTICLES. C. A. TOBIAS
 001 61 UCRL-9419 A STUDY OF THE METABOLIC FATE OF THE RADIATION PROTECTIVE COMPOUNDS, S,2 AMINO ETHYLISOTHUONIUM B
 013 61 LATION OF THE CORNEAL BLINKING REFLEX BY IONIZING RADIATION. C. TOBIAS, J. LUCE, N. YANNI, T. BRUSTAD, J. LYMAN
 395 61 UCRL-9895-ABSTRACT NUCLEAR FISSION INDUCED BY RADIATIONLESS TRANSITIONS IN THE MU- MESONIC ATOMS, TH-232, U-
 003 61 ESTIGATING BIOLOGICAL EFFECTS OF DENSELY IONIZING RADIATIONS. T. BRUSTAD, P. ARIOTTI, AND J. LYMAN
 265 61 CTURE IN THE THEORY OF WEAK INTERACTIONS. PART 1. RADIATIVE PION DECAY INTO ELECTONS. PART 2. ELECTRO MAGNETIC P
 461 61 UCRL-9568 ORBITAL RADII, BOND LENGTH AND RESONANCE. G. R. SOMAYAJULU
 220 61 UCRL-9459 THE RADIO FREQUENCY EXCITATION OF THE HEAVY ION LINEAR ACCELERATOR
 062 61 9659 CLOSE CAPTURE ADSORPTION SYSTEM FOR REMOTE RADIO- ISOTOPE CHEMISTRY. N. C. SPENCER, T. C. PARSONS AND P.
 181 61 REMOTE PLASTIC BAG PASSOUT UNIT FOR HIGH LEVEL RADIO-CHEMICAL OPERATIONS. E. S. FLEISCHER, T. C. PARSONS, AN
 212 61 UCRL-9400 A REVIEW OF SOURCE TECHNIQUES USED IN RADIOACTIVE ATOMIC BEAM EXPERIMENTS. E. LIPWORTH
 204 61 UCRL-9148 THE RADIOACTIVE DECAY OF THE ISOTOPES OF THE TRANSURANIUM ELEMENTS
 182 61 THE ATMOSPHERE, THE PERCENTAGE OF SMALL AND LARGE RADIOACTIVE IONS IN THE AIR. J. BRICARD, J. PRADEL, AND A. REN
 279 61 IIGATION OF NUCLEAR REACTIONS BY RECOIL STUDIES OF RADIOACTIVE PRODUCTS. J. R. MORTON
 091 61 UCRL-9848 DISTRIBUTION OF RADIOACTIVITY IN MORPHINE FROM BIOSYNTHESIS WITH CARBON-14 DID
 182 61 UCRL-TRANS-738 RADIOACTIVITY IN THE ATMOSPHERE, THE PERCENTAGE OF SMALL AND L
 014 61 UCRL-9688 PREPARATION OF BIOLOGICAL MATERIAL FOR RADIOAUTOGRAPHIC STUDIES OF INTERMEDIARY METABOLISM. V. MOSES
 009 61 UCRL-9592 THE LIPID SYNDROME IN MAMMALIAN RADIOBIOLOGY WITH EMPHASIS ON POSTIRRADIATION PROTECTION OF AN
 006 61 UCRL-9518 BIO- RADIOLOGY IN SPACE AND IN THE LABORATORY. R. WALLACE
 043 61 -9490 PRODUCTION OF PYRAZINE DERIVATIVES IN THE RADIOLYSIS OF AQUEOUS SOLUTIONS OF THE CYCLIC DIPEPTIDES. M. K
 031 61 UCRL-9903 ON PH EFFECTS IN THE RADIOLYSIS OF AQUO- ORGANIC SYSTEMS. W. M. GARRISON, B. M. WE
 041 61 UCRL-9363-REV THE RADIOLYSIS OF BIACETYL VAPOR. G. J. MAINS, A. S. NEWTON, AND A
 095 61 UCRL-9924 THE RADIOLYSIS OF LIQUID ISOBUTANE WITH PULSED ELECTRONS. B. Y. Y
 071 61 UCRL-9725 RADIOLYTIC REACTIONS OF THE CYCLIC DIPEPTIDES IN AQUEOUS SOLUT
 033 61 UCRL-TRANS-682 RADIOMETER FOR MEASURING IODINE-131 IN THE HUMAN THYROID GLAND
 332 61 9729 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF RAE, BI-210. S. S. ALPERT, E. LIPWORTH, M. B. WHITE, AND K. F
 087 61 -9832 THE REACTION OF ALDOXIMES WITH ALKALI. H. RAPOPORT AND W. NILSSON
 091 61 INE FROM BIOSYNTHESIS WITH CARBON-14 DIOXIDE. H. RAPOPORT, N. LEVY, AND F. R. STERMITZ
 064 61 RL-9699 CARRIER FREE SEPARATION OF HAFNIUM FROM RARE EARTH OXIDES. M. I. TOCHER AND J. M. HOLLANDER
 205 61 NS OF ELECTRONIC AND NUCLEAR GROUND STATE" IN THE RARE EARTH REGION. A. Y. CABEZAS, I. LINDGEN, AND R. MARRUS
 477 61 UCRL-9747 NUCLEAR ORIENTATION OF SOME RARE-EARTH ISOTOPES. C. A. LOVEJOY
 247 61 RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI. J. D. RASMUSSEN
 219 61 LEAR ORIENTATION OF PM-143. C. A. LOVEJOY, J. D. RASMUSSEN, AND D. A. SHIRLEY
 030 61 UCRL-9862 RED CELL MASS AND LIFE SPAN IN THE RAT DURING PERIODS OF PHYSIOLOGICAL HYPERTRANSFUSION. H. G. P
 028 61 ER STUDIES OF INTERMEDIARY METABOLISM OF ISOLATED RAT LIVER. V. MOSES, A. K. HUGGINS, AND M. J. H. SMITH
 001 61 S,2 AMINO ETHYLISOTHUONIUM BROMIDE, AET, IN THE RAT. F. P. CONTE
 384 61 MINATION OF THE POSITIVE K- MESON DECAY BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L. BROWN, D. A. GLASER, J.
 218 61 N AND DECAY. ENERGETICS, LIFETIMES, AND BRANCHING RATIOS. J. N. DYER
 026 61 ETWEEN BRAIN CHEMISTRY AND PROBLEM SOLVING, AMONG RATS RAISED IN ENRICHED AND IMPOVERISHED ENVIRONMENTS. D. KRE

027 61 LINESTERASE ACTIVITY IN THE BRAINS OF MAZE BRIGHT RATS. J. F. ZOLMAN AND H. MORIMOTO
203 61 UCRL-9130-REV THE RB-85 - RB-86 HYPERFINE STRUCTURE ANOMALY. N. BRASLAU, G. O.
203 61 UCRL-9130-REV THE RB-85 - RB-86 HYPERFINE STRUCTURE ANOMALY. N. BRASLAU, G. O. BRINK, A
389 61 -ABSTRACT ANALYSIS OF THE TWO NUCLEON STRIPPING REACTION C-12 (HE-3, PROTON) N-14. J. CERNY, N. K. GLENDENNING
292 61 UCRL-9628-ABSTRACT REACTION CROSS SECTION FOR 160 MEV D-16 IONS IN ALUMINUM BY TH
397 61 UCRL-9906-ABSTRACT NUCLEAR REACTION CROSS SECTIONS FOR 10.3 MEV PROTONS ON CARBON AND COP
380 61 THE POSITIVE K- MESON, DEUTERON CHARGE EXCHANGE REACTION FROM 52 TO 456 MEV. W. SLATER, D. H. STORK, H. K. TIC
211 61 UCRL-9394 N-15 (PROTON, PROTON TWO NEUTRONS) N-13 REACTION INDUCED BY PROTONS OF ENERGY 0.4 TO 6.2 BEV. L. C. S
409 61 UCRL-9943-ABSTRACT CASCADE HYPERONS IN THE REACTION NEGATIVE K- MESON PLUS PROTON YIELDS XI PLUS K-MESON
416 61 OF ENERGY DEPENDENCE OF THE CROSS SECTION OF THE REACTION NEUTRON, GAMMA RAY ON NATURAL CHLORINE. N. T. KASHUK
087 61 UCRL-9832 THE REACTION OF ALDOXIMES WITH ALKALI. H. RAPOPORT AND W. NILSSON
235 61 THE LAMBDA, PION RESONANCE ON CORRELATIONS IN THE REACTION POSITIVE K-MESON PLUS PROTON YIELDS LAMBDA PLUS NEGAT
407 61 UCRL-9940-ABSTRACT STUDY OF THE REACTION POSITIVE PION PLUS PROTON YIELD POSITIVE SIGMA PLUS P
418 61 IN THE ENERGY DEPENDENCE OF THE CROSS SECTION OF THE REACTION PROTON PLUS PROTON YIELDS DEUTERON PLUS POSITIVE PION
242 61 CROSS-SECTION RATIO FOR THE ALPHA, PROTON NEUTRON REACTION. G. R. CHOPPIN AND T. SIKKELAND
231 61 UCRL-9505 THE TWO NUCLEON STRIPPING REACTION. N. K. GLENDENNING
353 61 UCRL-9760 ON THE SPEED OF REACTIONS AT HIGH PRESSURES. E. TELLER
279 61 UCRL-9595 INVESTIGATION OF NUCLEAR REACTIONS BY RECOIL STUDIES OF RADIOACTIVE PRODUCTS. J. R. MO
081 61 UCRL-9801 CHEMICAL REACTIONS IN CROSSED MOLECULAR BEAMS. D. R. HERSCHBACH
327 61 UCRL-9714 TWO NUCLEON TRANSFER REACTIONS IN THE LIGHT ELEMENTS. J. CERNY
071 61 UCRL-9725 RADIOLYTIC REACTIONS OF THE CYCLIC DIPEPTIDES IN AQUEOUS SOLUTION. M. KLA
238 61 UCRL-9525 ALPHA, DEUTERON REACTIONS ON ODD-ODD TARGETS. J. CERNY, B. G. HARVEY, AND R. H
330 61 ENTUM ON GAMMA-RAY PRODUCTION IN COMPOUND NUCLEUS REACTIONS. J. F. MOLLENAUER
316 61 JECTION OF LARGE FRAGMENTS IN HIGH ENERGY NUCLEAR REACTIONS. V. P. CRESPO
094 61 D OTHER ELEMENTS BY MEANS OF HE-3 INDUCED NUCLEAR REACTIONS. S. S. MARKOWITZ AND J. D. MAHONY
054 61 UCRL-9576 REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS. K ATOMS WITH C
249 61 FROM AN EXPERIMENT LIMIT ON CROSS SECTION OF THE REACTION, DEUTERON, PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION
132 61 UCRL-9274 AN 1800-BIT BUFFER STORE AND READOUT SYSTEM. F. EVANS AND F. A. KIRSTEN
261 61 FROM HEAVY ION BOMBARDMENT. H. H. HECKMAN, D. V. REAMES, AND W. G. SIMON
154 61 14-MEV PULSED NEUTRON SOURCES. L. RUBY AND J. B. RECHEN
223 61 N-POSITIVE, PROTON ELASTIC SCATTERING AT 710 MEV. RECOIL NUCLEON POLARIZATION. J. H. FOOTE, O. CHAMBERLAIN, E.
279 61 UCRL-9595 INVESTIGATION OF NUCLEAR REACTIONS BY RECOIL STUDIES OF RADIOACTIVE PRODUCTS. J. R. MORTON
256 61 UCRL-9554 RECOIL-FREE RESONANT ABSORPTION IN AU-197. D. A. SHIRLEY, M. K
145 61 UCRL-9720 A MULTIPLEX PULSE-HEIGHT RECORDER AND ANALYZER. A. A. WYDLER
193 61 -9593 DISLOCATION SUBSTRUCTURES IN DEFORMED AND RECOVERED MOLYBDENUM. R. BENSON, G. THOMAS, AND J. WASHBURN
030 61 UCRL-9862 RED CELL MASS AND LIFE SPAN IN THE RAT DURING PERIODS OF PHYSI
037 61 SONANCE IN TICL4, THCL4, NBCL5, AND TACL5. A. H. REDDOCH
247 61 UCRL-9542-ABSTRACT A REFINEMENT OF ALPHA DECAY BRANCHING RELATIONS FOR ODD MASS SPH
171 61 UCRL-9839 A DIFFUSE REFLECTION COATING FOR USE WITH CERENKOV COUNTERS. G. L. SCHN
453 61 UCRL-9496 ALFVEN WAVE REFLECTIONS AND PROPAGATION MODES. A. W. DESILVA, W. S. COPPER
013 61 UCRL-9681 STIMULATION OF THE CORNEAL BLINKING REFLEX BY IONIZING RADIATION. C. TOBIAS, J. LUCE, N. YANNI, T
077 61 UCRL-9785 MEASUREMENT OF INDEX OF REFRACTION AND DIELECTRIC CONSTANT FOR FREON-13. W. N. HESS,
047 61 POSITION OF MOUSE LIPIDS AND LIPOPROTEINS. C. S. REHNBORG, A. V. NICHOLS, AND J. K. ASHIKAWA
044 61 FROM DIALYSED LIPOPROTEINS. A. V. NICHOLS, C. S. REHNBORG, AND F. T. LINDGREN
029 61 AND FASTING ON THE PLASMA LIPIDS OF MICE. C. S. REHNBORG, J. S. ASHIKAWA, AND A. V. NICHOLS
471 61 L-9668 FRAMES AND LORENTZ INVARIANCE IN GENERAL RELATIVITY. E. LUBKIN
181 61 UCRL-9660 REMOTE PLASTIC BAG PASSOUT UNIT FOR HIGH LEVEL RADIO-CHEMICAL
062 61 UCRL-9659 CLOSE CAPTURE ADSORPTION SYSTEM FOR REMOTE RADIO- ISOTOPE CHEMISTRY. N. C. SPENCER, T. C. PARSONS
182 61 VE IONS IN THE AIR. J. BRICARD, J. PRADEL, AND A. RENOUX
019 61 TY AND TRAINING ON BRAIN CHEMISTRY AND ANATOMY, A REPLICATION AND EXTENSION. M. R. ROSENZWEIG, D. KRECH, E. L.
294 61 UCRL-9631-ABSTRACT EFFECTS OF RESIDUAL INTERACTIONS IN SPECTRA OF ODD-A AND ODD-ODD DEFORMED
133 61 N RADIATION DETECTORS AND ITS INFLUENCE ON ENERGY RESOLUTION CHARACTERISTICS. F. S. GOULDING AND W. L. HANSEN
398 61 RACT MEASUREMENT OF GAMMA RAY SPECTRA WITH GOOD RESOLUTION FROM 30 TO 600 MEV. R. J. CENCE, D. L. LIND, G. D.
139 61 UCRL-9529 ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HANSEN A
138 61 -9529-ABSTRACT ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HANSEN A
157 61 UCRL-9976-ABSTRACT TIME RESOLUTION OF A SCINTILLATION COUNTER SYSTEM. A. E. BJERKE, Q
034 61 UCRL-TRANS-693 LIGHT-INDUCED ELECTRON SPIN RESONANCE (SIGNAL) IN CRYSTALLINE CHLOROPHYLL IN THE PRESENCE
462 61 UCRL-9602 THE ELECTRON SPIN RESONANCE ABSORPTION OF TWO SOLID STATE PARAMAGNETIC CENTERS,
050 61 UCRL-9565 NUCLEAR MAGNETIC RESONANCE FLUORINE-FLUORINE COUPLING CONSTANTS IN SATURATED OR
364 61 UCRL-9803 THE GIANT E1 RESONANCE FOR DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND
024 61 UCRL-9823 ELECTRON PARAMAGNETIC RESONANCE IN BIOLOGY. G. M. ANDROES AND M. CALVIN
457 61 XTENDED SHELL MODEL CALCULATIONS AND THE GIANT EL RESONANCE IN DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND
251 61 UCRL-9547 A RESONANCE IN THE K- MESON, PION SYSTEM. M. H. ALSTON, L. W. ALVAR
318 61 UCRL-9686 EVIDENCE FOR A T ZERO RESONANCE IN THE SIGMA PION SYSTEM. M. H. ALSTON, L. W. ALVAR
037 61 UCRL-8972-REV NUCLEAR QUADRUPOLE RESONANCE IN TICL4, THCL4, NBCL5, AND TACL5. A. H. REDDOCH
301 61 ION-LAMBDA RESONANCE, THE LAMBDA-PION SYSTEM WITH RESONANCE OF ONE. J. P. BERGE, P. BASTIEN, O. DAHL, M. FERRO-
311 61 A BRANCHING RATIO OF THE LAMBDA- PION SYSTEM WITH RESONANCE OF ONE. M. H. ALSTON, L. W. ALVEREZ, P. EBERHARD, M
235 61 UCRL-9514 INFLUENCE OF THE LAMBDA, PION RESONANCE ON CORRELATIONS IN THE REACTION POSITIVE K-MESON PLU
141 61 HOD FOR THE ENHANCEMENT OF OPTICAL PUMPING DOUBLE RESONANCE SIGNALS. E. LIPWORTH
053 61 DEPENDENT CHEMICAL SHIFTS IN THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF GASES. L. PETRAKIS AND C. H. SEDERHOLM
150 61 ECHNIQUE IN A VARIABLE FREQUENCY NUCLEAR MAGNETIC RESONANCE SPECTROMETER. J. V. ACRIVOS
336 61 UCRL-9733 NUCLEAR MAGNETIC RESONANCE STUDIES, PART 1. H-1 TEMPERATURE DEPENDENT CHEMICAL
366 61 UCRL-9810 EVIDENCE FOR A T=0 THREE PION RESONANCE. B. STEVENSON
057 61 -9590 BOND ENERGIES, VALENCE STATE ENERGIES AND RESONANCE. G. R. SOMAYAJULU
379 61 -9857 EVIDENCE CONFIRMING THE T=ZERO THREE PION RESONANCE. N. H. XUONG AND G. R. LYNCH
461 61 UCRL-9568 ORBITAL RADII, BOND LENGTH AND RESONANCE. G. R. SOMAYAJULU
248 61 STATE INTERPRETATION OF THE 1385-MEV PION, LAMBDA RESONANCE. R. H. DALITZ
328 61 UCRL-9717 A STUDY OF RESONANCES OF THE SIGMA-PION SYSTEM. M. H. ALSTON, L. W. ALVAR
239 61 526 ON THE IDENTIFICATION OF SPIN EQUALLING 3/2 RESONANCES. H. P. STAPP
275 61 UCRL-9587 PION- HYDROGEN RESONANCES. M. H. ALSTON AND M. FERRO-LUZZI
322 61 UCRL-9693 SIGMA DECAY MODES OF THE PION HYPERON RESONANCES. P. BASTIEN, M. FERRO-LUZZI AND A. H. ROSENFELD
190 61 UCRL-9502 SINGLE CRYSTAL TUNGSTEN RIBBON. F. L. REYNOLDS
282 61 J. KIRZ, A. H. ROSENFELD, J. LEITNER, AND Y. I. RHEE
190 61 UCRL-9502 SINGLE CRYSTAL TUNGSTEN RIBBON. F. L. REYNOLDS
083 61 ACTION OF ACETOBACTER SUBOXDYDANS ON D- ARABITOL, RIBITOL AND OTHER POLYHYDROXY COMPOUNDS. V. MOSES AND R. J. F
016 61 RE OF NORMALIZED IRRADIATED YEAST CELLS AND YEAST RIBOSOMES. J. K. KOEHLER
025 61 UCRL-9825 THE METABOLISM OF C-14 RIBULOSE DIPHOSPHATE BY SPINACH CHLOROPLASTS. R. B. PARK AND
083 61 THE BIOCHEMICAL SYNTHESIS OF D- XYLULOSE AND L- RIBULOSE, DETAILS OF THE ACTION OF ACETOBACTER SUBOXDYDANS ON D
439 61 N MARK-2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
440 61 ON MARK-2 INJECTOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
389 61 K. GLENDENNING, B. G. HARVEY, R. H. PEHL, AND E. RIVET
148 61 HA AIR PROPORTIONAL HAND AND FOOT COUNTER. W. J. ROACH AND R. J. WALKER
180 61 L-9651 PORTABLE ALPHA SURVEY INSTRUMENT. W. J. ROACH AND R. J. WALKER
153 61 MA HAND AND SHOE MONITOR. R. J. WALKER AND W. J. ROACH

- 393 61 KADYK, G. H. TRILLING, R. T. VAN DE WALLE, B. P. ROE AND D. SINCLAIR
384 61 POSITIVE K-MESON DECAY BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L. BROWN, D. A. GLASER, J. A. KADYK, AND
222 61 IFT ANALYSIS. J. H. FOOTE, O. CHAMBERLAIN, E. H. ROGERS, AND H. M. STEINER
223 61 POLARIZATION. J. H. FOOTE, O. CHAMBERLAIN, E. H. ROGERS, H. M. STEINER, C. E. WIEGAND, AND T. YPSILANTIS
035 61 PE EFFECTS, OBSERVED IN D20-16 AND H20-1R. S. Z. ROGINSKII AND S. E. SHNOL
183 61 9 REFERENCE MANUAL FOR KICK 18M PROGRAM. A. H. ROSENFELD ED
200 61 ELEMENTARY PARTICLE PHYSICS. W. H. BARKAS AND A. H. ROSENFELD
378 61 STEVENSON, L. W. ALVAREZ, B. C. MAGLIC, AND A. H. ROSENFELD
322 61 RESONANCES. P. BASTIEN, M. FERRO-LUZZI AND A. H. ROSENFELD
259 61 ECAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, AND J. LEITNER
363 61 M. FERRO-LUZZI, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, AND R. D. TRIPP
409 61 J. BUTTON, G. R. KALBFLEISCH, D. H. MILLER, A. H. ROSENFELD, M. L. STEVENSON AND H. K. TICH0
301 61 LUZZI, J. KIRZ, D. H. MILLER, J. J. MURRAY, A. H. ROSENFELD, R. D. TRIPP, AND M. B. WATSON
260 61 CAYS OF HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD ET AL
282 61 LAMBDA HYPERONS. W. E. HUMPHREY, J. KIRZ, A. H. ROSENFELD, J. LEITNER, AND Y. I. RHEE
026 61 D AND IMPOVERISHED ENVIRONMENTS. D. KRECH, M. R. ROSENZWEIG, AND E. L. BENNETT
019 61 AND ANATOMY, A REPLICATION AND EXTENSION. M. R. ROSENZWEIG, D. KRECH, E. L. BENNETT, AND M. C. DIAMOND
410 61 NERGY K-MESON, PRDION SYSTEM. W. HUMPHREY AND R. ROSS
345 61 CHANGE SCATTERING OF K-MESONS IN HYDROGEN. R. R. ROSS
250 61 UCRL-9545-ABSTRACT ROTATIONAL AND VIBRATIONAL LEVELS IN U-232. S. BJORNHOLM, A.
149 61 67 A LOW SPEED SWINGING BUCKET ULTRACENTRIFUGAL RUTOR. F. T. LINDGREN
131 61 UCRL-9273 TEST ROUTINES AND MONITORING FOR A LARGE COUNTER EXPERIMENT. S. C.
066 61 XAHYDRATE. A. ZALKIN, D. H. TEMPLETON, AND H. W. RUBEN
082 61 URE OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, H. RUBEN, AND D. H. TEMPLETON
067 61 UM CHROMATE TETRAHYDRATE. D. H. TEMPLETON, H. W. RUBEN, AND I. OLOVSSON
154 61 N DETECTOR FOR 14-MEV PULSED NEUTRON SOURCES. L. RUBY AND J. B. RECHEN
123 61 A HOLLOW CATHODE STRONTIUM PLASMA SOURCE. H. F. RUGGE, G. A. PAULIKAS, R. V. PYLE, AND J. W. STEARNS
234 61 HE FAMILIES OF THE LIGHT URANIUM ISOTOPES. C. P. RUIZ
312 61 VERSION PROCESSES AND THE DELTA I EQUALS ONE-HALF RULE. S. A. BLUDMAN
125 61 MA IN A MAGNETIC FIELD. I. M. ZOLOTOBRUOV, N. M. RYZHOV, I. P. SKOBLIK, ET AL
297 61 UCRL-9635-ABSTRACT ESTIMATE OF THE S WAVE SIGMA-NEGATIVE, NEUTRON INTERACTION. O. DAHL, N. HORWI
224 61 UCRL-9489 S- AND P-WAVE INTERACTIONS OF NEGATIVE K-MESONS IN HYDROGEN.
225 61 UCRL-9489-REV S- AND P-WAVE INTERACTIONS OF K-MESONS IN HYDROGEN. P. NORDI
482 61 RL-9800 TWO FOLK LEMMAS ON THE EXPANSION OF THE S-MATRIX OR THE OUT FIELD IN NORMAL ORDERED IN FIELDS. O. W. G
475 61 UCRL-9701 THE S-MATRIX THEORY OF STRONG INTERACTIONS. G. F. CHEW
317 61 5 THE ROLE OF THE POTENTIAL AND UNSTABLE IN THE S-MATRIX THEORY OF STRONG INTERACTION. G. F. CHEW AND S. C. F
483 61 ETWEEN SPIN AND STATISTICS FROM POSTULATES OF THE S-MATRIX THEORY. H. P. STAPP
243 61 UCRL-9535 LOW-ENERGY PION-PION S-WAVE PHASE SHIFTS. B. R. DESAI
406 61 UCRL-9935-ABSTRACT S-WAVE PION-PION INTERACTIONS IN THE I = ZERO AND THE I = 2 ST
410 61 UCRL-9945-ABSTRACT S-WAVE ZERO EFFECTIVE RANGE PARAMETERS FOR THE LOW ENERGY K-ME
001 61 BOLIC FATE OF THE RADIATION PROTECTIVE COMPOUNDS, S,2 AMINO ETHYLISOTHIURONIUM BROMIDE, AET, IN THE RAT. F. P.
184 61 PROGRAM GUTS. DETAILED DESCRIPTION AND FLOW. F. SAFIER AND C. HANSEN
211 61 DUCED BY PROTONS OF ENERGY 0.4 TO 6.2 BEV. L. C. SAH
126 61 CRL-9035-REV CURRENT SWITCHING CIRCUITRY. J. G. SALVADOR AND D. O. PEDERSON
099 61 UCRL-TRANS-679 THE KINETICS OF THE SAPONIFICATION OF DIALKYLPHOSPHITES 1. SAPONIFICATION WITH HYD
100 61 UCRL-TRANS-680 THE KINETICS OF THE SAPONIFICATION OF DIALKYLPHOSPHITES, 2. GENERAL ACID- AND BASE
099 61 ICS OF THE SAPONIFICATION OF DIALKYLPHOSPHITES 1. SAPONIFICATION WITH HYDROGEN- AND HYDROXYL-IONS. P. NYLEN
105 61 MTHENE UNDER THE EFFECT OF LIGHT ON PLANTS. D. I. SAPOZHNIKOV, D. G. ALKHAZOV, Z. M. EIDELMAN ET AL
107 61 H FE-59, CA-47, AND C-11 IN VARIOUS DISEASES. T. SARGENT
134 61 UCRL-9464 A NEW SATURABLE TRANSFORMER MEASURES DIRECT CURRENT THROUGH CONDUCTO
050 61 RESONANCE FLUORINE-FLUORINE COUPLING CONSTANTS IN SATURATED ORGANIC COMPOUNDS. L. PETRAKIS AND C. H. SEDERHOLM
418 61 OF PAIK FORMATION OF PIONS. I. K. AKIMOV, D. V. SAVCHENKO, AND L. M. SOKOKO
457 61 RESONANCE IN DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDENNING
364 61 RESONANCE FOR DEFORMED NUCLEI. S. G. NILSSON, J. SAWICKI, AND N. K. GLENDENNING
302 61 UCRL-9641-ABSTRACT THE NUCLEAR SPIN OF SCANDIUM-46. F. R. PETERSEN AND H. A. SHUGART
420 61 UCRL-9231 AUTOMATIC SCANNING AND MEASURING OF BUBBLE CHAMBER PHOTOGRAPHS. A. GRAS
414 61 UCRL-TRANS-684 COMPLETE TOTAL SCATTER CROSS SECTIONS OF FAST NEUTRONS BY ARGON AND CRYPTON.
222 61 UCRL-9481 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. PHASE SHIFT ANALYSIS. J. H. FOOTE, O.
223 61 UCRL-9488 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 MEV. RECOIL NUCLEON POLARIZATION. J. H. FOO
289 61 UCRL-9622 PION-NEGATIVE, PROTON ELASTIC SCATTERING AT 550, 600, 720, 900, AND 1020 MEV. C. D. WOOD, T
207 61 UCRL-9362 DIFFERENTIAL ELASTIC PION PROTON SCATTERING AT 600, 650, AND 750 MEV. J. I. SHONIE
054 61 UCRL-9576 REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS. K ATOMS WITH CH31 AND C
283 61 UCRL-9607 NEGATIVE PION- PROTON ELASTIC SCATTERING IN THE ENERGY REGION 500-1500 MEV. B. J. MOYER
355 61 UCRL-9764 SCATTERING IN THE K=0 BAND OF ODD-ODD DEFORMED NUCLEI. N. D.
262 61 UCRL-9561-ABSTRACT THEORY OF PION, NUCLEON SCATTERING IN THE STRIP APPROXIMATION TO THE MANDELSTAM REPRES
263 61 UCRL-9561 THEORY OF PION- NUCLEON SCATTERING IN THE STRIP APPROXIMATION TO THE MANDELSTAM REPRES
308 61 UCRL-9669-ABSTRACT SCATTERING OF ELECTRONS BY ATOMIC HYDROGEN. P. G. BURKE, V. M
345 61 UCRL-9749 ELASTIC AND CHARGE EXCHANGE SCATTERING OF K-MESONS IN HYDROGEN. R. R. ROSS
321 61 UCRL-9691 CHARGE EXCHANGE SCATTERING OF POSITIVE K- MESONS ON DEUTERONS. W. LEE
286 61 UCRL-9610 THE ELASTIC SCATTERING OF 24-MEV DEUTERONS. D. G. HOFFMAN
325 61 UCRL-9710 SCATTERING OF 915 MEV ALPHA PARTICLES FROM CARBON AND HELIUM,
293 61 UCRL-9629-ABSTRACT QUASI ELASTIC SCATTERING OF 920 MEV ALPHA PARTICLES BY ALPHA PARTICLE CLUSTE
306 61 UCRL-9650 HEAVY ION ELASTIC SCATTERING. J. ALSTER
373 61 PPROACH TO MODERATELY HIGH ENERGY NUCLEON NUCLEON SCATTERING. L. A. P. BALAZS
296 61 UCRL-9634 THEORY OF LOW ENERGY NUCLEON NUCLEON SCATTERING. M. L. GOLDBERGER, M. T. GRISARU, S. W. MACDOWELL,
300 61 AND CORRELATION TENSORS IN ELECTRON HYDROGEN ATOM SCATTERING. P. G. BURKE AND H. M. SCHEY
084 61 UCRL-9806 TRACER STUDIES IN HYDROGEN ADAPTED SCENEDESMUS USING H-3 AND C-14. R. A. GOLDSBY
300 61 HYDROGEN ATOM SCATTERING. P. G. BURKE AND H. M. SCHEY
308 61 IC HYDROGEN. P. G. BURKE, V. M. BURKE, AND H. M. SCHEY
271 61 N, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
274 61 N, V. X. BANG, P. G. BURKE, D. D. CARMONY, AND N. SCHMITZ
281 61 TIUN AT SIGMA, K-MESON THRESHOLD. S. E. WOLF, N. SCHMITZ, L. J. LLOYD, W. LASKER, F. S. CROWFORD, J. BUTTON, J.
171 61 ON COATING FOR USE WITH CERENKOV COUNTERS. G. L. SCHNURMACHER
432 61 TERN, W. J. KNOX, M. S. MALKIN, A. R. QUINTON, L. SCHWARCZ, AND G. W. WHEELER
406 61 IN THE I = ZERO AND THE I = 2 STATE. J. KIRZ, J. SCHWARTZ AND R. D. TRIPP
297 61 L. N. HORWITZ, D. H. MILLER, J. J. MURRAY, AND J. SCHWARTZ
041 61 CETYL VAPOR. G. J. MAINS, A. S. NEWTON, AND A. F. SCIAMANNA
095 61 ANE WITH PULSED ELECTRONS. B. Y. YAMAMOTO, A. F. SCIAMANNA, AND A. S. NEWTON
157 61 UCRL-9976-ABSTRACT TIME RESOLUTION OF A SCINTILLATION COUNTER SYSTEM. A. E. BJERKE, O. A. KERNS, AND
428 61 UCRL-TRANS-689 SCINTILLATION DETECTOR OF FAST NEUTRONS. L. I. KOROTKOV, I. V.
143 61 TO BASE CAPACITANCE IN TRANSISTOR AMPLIFIERS. L. SCOTT
098 61 OR SOLIDS FROM DISSOCIATION PRESSURE DATA. A. W. SEARCY AND D. J. MESCHI
050 61 ATURATED ORGANIC COMPOUNDS. L. PETRAKIS AND C. H. SEDERHOLM
053 61 RESONANCE SPECTRA OF GASES. L. PETRAKIS AND C. H. SEDERHOLM

139 61 ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEMI-CONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOUL
 133 61 UCRL-9436 LEAKAGE CURRENT IN SEMICONDUCTOR JUNCTION RADIATION DETECTORS AND ITS INFLUENCE O
 138 61 ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEMICONDUCTOR PARTICLE DETECTORS. W. L. HANSEN AND F. S. GOULD
 472 61 UCRL-9672 A SENSITIVE DIFFERENTIAL PRESSURE SYSTEM FOR MEASURING CRYOGENIC
 064 61 UCRL-9699 CARRIER FREE SEPARATION OF HAFNIUM FROM RARE EARTH OXIDES. M. I. TOCHER AN
 052 61 UCRL-9571 STUDIES ON HUMAN SERUM PHOSPHOLIPIDS AND PHOSPHOLIPID FATTY ACID COMPOSITION BY
 446 61 9318 LECTURES ON SUPERCONDUCTIVITY BY ANDREW M. SESSLER AT THE UNIVERSITY OF CALIFORNIA DURING THE SPRING SEME
 003 61 UCRL-9454 EXPERIMENTAL SETUP AND DOSIMETRY FOR INVESTIGATING BIOLOGICAL EFFECTS OF DE
 365 61 TRON TRACK COUNTING FOR BETA SPECTROSCOPY. K. D. SEVIER
 371 61 G OF CF-252 FISSION FRAGMENTS IN EMULSION. K. D. SEVIER
 415 61 OCITY DISTRIBUTION. M. V. KAZARNOVSKII AND F. L. SHAPIRO
 416 61 HLORINE. N. T. KASHUKEEV, I. P. POPOV, AND F. L. SHAPIRO
 196 61 UCRL-9828 SHEET METAL CAN FURNACE. R. C. DOYLE AND W. D. PHILLIPS
 457 61 UCRL-9552-ABSTRACT EXTENDED SHELL MODEL CALCULATIONS AND THE GIANT EL RESONANCE IN DEFORME
 167 61 UCRL-9657 THE WATER SHIELDED CAVE FACILITY FOR TOTALLY ENCLOSED MASTER SLAVE OPERA
 441 61 UCRL-9769 EVALUATION OF SHIELDING REQUIRED FOR THE IMPROVED BEVATRON. B. J. MOYER
 065 61 L-9700 INTERPRETATION OF THE ISOMERIC CHEMICAL SHIFTS IN AU-197. D. A. SHIRLEY
 048 61 UCRL-9530-ABSTRACT ISOMERIC CHEMICAL SHIFTS IN ODD PROTON NUCLEI. D. A. SHIRLEY
 053 61 UCRL-9572 TEMPERATURE DEPENDENT CHEMICAL SHIFTS IN THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF GASES. L.
 447 61 UCRL-9338 GRAVITATIONAL SHIFTS WITHOUT A PRINCIPLE OF EQUIVALENCE. B. C. MAGLIC
 336 61 UDIES, PART 1. H-1 TEMPERATURE DEPENDENT CHEMICAL SHIFTS, PART 2. F-19 SPIN-SPIN COUPLINGS. L. PETRAKIS
 048 61 ERIC CHEMICAL SHIFTS IN ODD PROTON NUCLEI. D. A. SHIRLEY
 361 61 ORIENTATION OF TB-156. C. A. LOVEJOY, AND D. A. SHIRLEY
 065 61 OF THE ISOMERIC CHEMICAL SHIFTS IN AU-197. D. A. SHIRLEY
 219 61 M-143. C. A. LOVEJOY, J. O. RASMUSSEN, AND D. A. SHIRLEY
 232 61 ION OF DY-155 AND DY-157. Q. O. NAVARRO AND D. A. SHIRLEY
 264 61 RIENTATION OF NDI47. G. A. WESTENBARGER AND D. A. SHIRLEY
 267 61 PARAMAGNETIC IMPURITY IONS. M. KAPLAN AND D. A. SHIRLEY
 256 61 RECOIL-FREE RESONANT ABSORPTION IN AU-197. D. A. SHIRLEY, M. KAPLAN, AND P. AXEL
 491 61 ASE MEASUREMENTS. A. M. BONCH-BRUEVICH AND V. I. SHIROKOV
 035 61 IN D20-16 AND H20-18. S. Z. ROGINSKII AND S. E. SHNOL
 153 61 853 A SIMPLE, TRANSISTORIZED BETA-GAMA HAND AND SHOE MONITOR. R. J. WALKER AND W. J. ROACH
 207 61 ROTON SCATTERING AT 600, 650, AND 750 MEV. J. I. SHONIE
 387 61 F 6.8-DAY LUTETIUM-177. F. R. PETERSEN AND H. A. SHUGART
 390 61 UM-70. V. J. EHLERS, W. A. NIENENBERG, AND H. A. SHUGART
 402 61 N OF AG-112. W. B. EW BANK, Y. W. CHAN, AND H. A. SHUGART
 403 61 . CHAN, W. B. EW BANK, W. A. NIENENBERG, AND H. A. SHUGART
 404 61 LEAR SPIN OF YTTRIUM-91. F. R. PETERSEN AND H. A. SHUGART
 302 61 EAR SPIN OF SCANDIUM-46. F. R. PETERSEN AND H. A. SHUGART
 320 61 4-HOUR YTTRIUM-90. F. R. PETERSEN, AND AND H. A. SHUGART
 374 61 UCRL-9836 DECAY OF NEUTRAL PIONS. H. SHWE, F. M. SMITH, AND W. H. BARKAS
 150 61 UCRL-9791 THE SIDEBAND TECHNIQUE IN A VARIABLE FREQUENCY NUCLEAR MAGNETIC RE
 299 61 UCRL-9637-ABSTRACT EXPERIMENTAL LIMIT FOR THE SIGMA (DEUTERON PLUS DEUTERON YIELDS ALPHA PLUS NEUTRAL PION)
 382 61 A SELF CONSISTENT MODEL FOR NONLEPTONIC DECAYS OF SIGMA AND LAMBDA HYPERONS. V. SINGH AND B. M. UDGADNKR
 322 61 UCRL-9693 SIGMA DECAY MODES OF THE PION HYPERON RESONANCES. P. BASTIEN,
 318 61 RL-9686 EVIDENCE FOR A T ZERO RESONANCE IN THE SIGMA PION SYSTEM. M. H. ALSTON, L. W. ALVEREZ, P. EBERHARD E
 407 61 REACTION POSITIVE PION PLUS PROTON YIELD POSITIVE SIGMA PLUS POSITIVE K- MESON NEAR THRESHOLD. F. GRARD AND G.
 370 61 820 ASYMMETRY PARAMETERS IN THE DECAYS POSITIVE SIGMA YIELDS PROTON PLUS NEUTRAL PION AND NEUTRAL LAMBDA YIELD
 218 61 UCRL-9450 CHARGED SIGMA-HYPERON PRODUCTION AND DECAY. ENERGETICS, LIFETIMES, AND
 282 61 L-9605 EVIDENCE FOR LOW RATES FOR BETA DECAY OF SIGMA-NEGATIVE AND LAMBDA HYPERONS. W. E. HUMPHREY, J. KIRZ,
 297 61 UCRL-9635-ABSTRACT ESTIMATE OF THE S WAVE SIGMA-NEGATIVE, NEUTRON INTERACTION. O. DAHL, N. HORWITZ, D.
 328 61 UCRL-9717 A STUDY OF RESONANCES OF THE SIGMA-PION SYSTEM. M. H. ALSTON, L. W. ALVEREZ, P. EBERHARD, M
 311 61 UCRL-9675 THE SIGMA/ LAMBDA BRANCHING RATIO OF THE LAMBDA- PION SYSTEM WITH
 281 61 -9604 THE CUSP IN LAMBDA, K-MESON PRODUCTION AT THE SIGMA, K-MESON THRESHOLD. S. E. WOLF, N. SCHMITZ, L. J. LLOYD
 141 61 E ENHANCEMENT OF OPTICAL PUMPING DOUBLE RESONANCE SIGNALS. E. LIPWORTH
 242 61 A, PROTON NEUTRON REACTION. G. R. CHOPPIN AND T. SIKKELAND
 245 61 540 FISSION OF URANIUM-238 WITH CARBON IONS. T. SIKKELAND, A. E. LARSH, AND G. E. GORDON
 305 61 NT, LAWRENCIUM, ATOMIC NUMBER 103. A. GHIORSO, T. SIKKELAND, A. E. LARSH, AND R. M. LATIMER
 347 61 MENTUM TRANSFER IN HEAVY ION INDUCED FISSION. T. SIKKELAND, E. L. HAINES, AND V. E. VIOLA
 052 61 D PHOSPHOLIPID FATTY ACID COMPOSITION BY EXTENDED SILICIC ACID CHROMATOGRAPHY. G. J. NELSON
 192 61 TRON TRANSMISSION STUDIES OF ALUMINUM- MAGNESIUM- SILICON ALLOYS. G. THOMAS
 476 61 UCRL-9723 THE HEAT CAPACITY OF SILVER OXIDE AT LOW TEMPERATURES. L. V. GREGOR
 487 61 OMETRIC FOUNDATIONS OF CONTINUUM MECHANICS. J. A. SIMMONS
 261 61 BARDMENT. H. H. HECKMAN, D. V. REAMES, AND W. G. SIMON
 470 61 RONIC CHARGE DISTRIBUTIONS FOR HEAVY IONS. W. G. SIMON, H. H. HECKMAN, AND E. L. HUBBARD
 393 61 H. TRILLING, R. T. VAN DE WALLE, B. P. ROE AND D. SINCLAIR
 384 61 E K- MESON DECAY BRANCHING RATIOS. B. P. ROE, D. SINCLAIR, J. L. BROWN, D. A. GLASER, J. A. KADYK, AND G. H. TR
 382 61 LEPTONIC DECAYS OF SIGMA AND LAMBDA HYPERONS. V. SINGH AND B. M. UDGADNKR
 262 61 PPROXIMATION TO THE MANDELSTAM REPRESENTATION. V. SINGH AND B. M. UDGADNKR
 263 61 PROXIMATION TO THE MANDELSTAM REPRESENTATION. V. SINGH AND B. M. UDGADNKR
 190 61 UCRL-9502 SINGLE CRYSTAL TUNGSTEN RIBBON. F. L. REYNOLDS
 466 61 UM, 6-H-5/2 GOES TO J EQUALLING 11/2 IN HEXAGONAL SINGLE CRYSTALS. H. LAMMERMANN AND J. G. CONWAY
 158 61 UCRL-9980-ABSTRACT PHOTOMULTIPLIER SINGLE ELECTRON STATISTICS. R. F. TUSTING, O. A. KERNS, AND H
 394 61 UCRL-9894-ABSTRACT SINGLE PION PRODUCTION IN NEGATIVE PION PROTON COLLISIONS AT 3
 428 61 DETECTOR OF FAST NEUTRONS. L. I. KOROTKOV, I. V. SKOBLIK, ET AL
 125 61 IC FIELD. I. M. ZOLOTOTRUBOV, N. M. RYZHOV, I. P. SLATER, D. H. STORK, H. K. TICH0, W. LEE, W. CHINOWSKY, G. GOL
 380 61 N CHARGE EXCHANGE REACTION FROM 52 TO 456 MEV. W. SLATER, D. H. STORK, AND H. K. TICH0
 344 61 NER, W. CHINOWSKY, G. GOLDBERGER, S. GOLDBERGER, W. SLATER, D. H. STORK, AND H. K. TICH0
 167 61 HIELDED CAVE FACILITY FOR TOTALLY ENCLOSED MASTER SLAVE OPERATIONS AT LAWRENCE RADIATION LABORATORY. P. W. HOWE
 144 61 UCRL-9662 FORCE MULTIPLIER FOR USE WITH MASTER SLAVES. L. E. MILES, T. C. PARSONS, AND P. W. HOWE
 102 61 NECTION WITH THEIR BEHAVIOR IN COACERVATES. V. P. SLOBODSKAIA AND A. G. PASYNSKII
 028 61 RAT LIVER. V. MOSES, A. K. HUGGINS, AND M. J. H. SMITH
 407 61 TIVE K- MESON NEAR THRESHOLD. F. GRARD AND G. A. SMITH
 332 61 S. S. ALPERT, E. LIPWORTH, M. B. WHITE, AND K. F. SMITH
 319 61 J. N. DYER, C. J. MASON, N. A. NICKOLS, AND F. M. SMITH
 436 61 UCRL-9632 CYCLOTRONS. B. H. SMITH
 374 61 RL-9836 DECAY OF NEUTRAL PIONS. H. SHWE, F. M. SMITH, AND W. H. BARKAS
 432 61 GORDON, R. M. MAIN, N. J. NORRIS, R. PETERS, L. SMITH, C. M. VAN ATTA, F. VOELKER, C. E. ANDERSON, R. BERINGER
 439 61 OR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
 440 61 TOR. R. W. ALLISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
 056 61 INFRARED SPECTRA OF marginally METALLIC SYSTEMS. SODIUM AMMONIA SOLUTIONS. I. A. BECKMAN AND K. S. PITZER
 067 61 TRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF SODIUM CHROMATE TETRAHYDRATE. D. H. TEMPLETON, H. W. RUBEN, A
 074 61 UCRL-9748 A COMPUTER ANALYSIS FOR COMPLEX SODIUM IODIDE GAMMA SPECTRA. J. F. MOLLENAUER
 448 61 UCRL-9388 THERMAL PROPERTIES OF SOLID HYDROGEN UNDER PRESSURE. W. H. ORTTUNG

462 61 2 THE ELECTRON SPIN RESONANCE ABSORPTION OF TWO SOLID STATE PARAMAGNETIC CENTERS, PART 1. FROZEN TETRAMETHYL A
 015 61 IZING RADIATION ON PROTEIN IN SOLUTION AND IN THE SOLID STATE. W. M. GARRISON
 127 61 UCRL-7270 A SOLID-STATE CHRONOTRON FOR DIGITIZING TIME DELAYS. A. E. BJER
 098 61 INTEGRAL AND PARTIAL THERMODYNAMIC FUNCTIONS FOR SOLIDS FROM DISSOCIATION PRESSURE DATA. A. W. SEARCY AND D. J.
 427 61 ION EXPERIMENTS IN A HYDROGEN BUBBLE CHAMBER. F. SLOMITZ
 394 61 B. C. BANISH, R. J. KURZ, V. PEREZ-MENDEZ, AND J. SOLOMON
 462 61 ETIC CENTERS, PART 1. FROZEN TETRAMETHYL AMMONIUM SOLUTIONS, PART 2. CRESTMORE BLUE CALCITE. L. R. DOYLE
 040 61 E AS A FUNCTION OF TEMPERATURE IN PERCHLORIC ACIO SOLUTIONS, THERMODYNAMIC PROPERTIES. H. L. CONLEY
 026 61 6 RELATIONS BETWEEN BRAIN CHEMISTRY AND PROBLEM SOLVING, AMONG RATS RAISED IN ENRICHED AND IMPOVERISHED ENVIRO
 057 61 IES, VALENCE STATE ENERGIES AND RESONANCE. G. R. SOMAYAJULU
 461 61 ORBITAL RADII, BOND LENGTH AND RESONANCE. G. R. SOMAYAJULU
 088 61 IES OF GASEOUS METAL DIHALIDES. L. BREWER, G. R. SOMAYAJULU, AND E. BRACKETT
 418 61 PIONS. I. K. AKIMOV, O. V. SAVCHENKO, AND L. M. SOROKO
 006 61 UCRL-9518 BIO- RADIOLOGY IN SPACE AND IN THE LABORATORY. R. WALLACE
 287 61 OY PRODUCTION AND DECAY PROCESSES FOLLOWING PHASE SPACE DISTRIBUTION BY MONTE CARLO METHOD. J. A. KADYK
 164 61 UCRL-9487 ELECTRODE DAMAGE CAUSED BY SPARKS IN VACUUM. C. A. HARRIS
 261 61 UCRL-9560-ABSTRACT CHARGED PARTICLE SPECTRA FROM HEAVY ION BOMBARDMENT. H. H. HECKMAN, D. V. REAM
 053 61 CHEMICAL SHIFTS IN THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF GASES. L. PETRAKIS AND C. H. SEDERHOLM
 056 61 UCRL-9586 THE INFRARED SPECTRA OF marginally METALLIC SYSTEMS, SODIUM AMMONIA SOLUTIO
 294 61 31-ABSTRACT EFFECTS OF RESIDUAL INTERACTIONS IN SPECTRA OF ODD-A AND ODD-ODD DEFORMED NUCLEI. N. K. GLENDENNIN
 039 61 UCRL-9203 AN ANALYSIS OF THE ABSORPTION SPECTRA OF TM(IV) AND AM(IV). J. B. GRUBER
 060 61 UCRL-9654 ABSORPTION AND SELF LUMINESCENCE SPECTRA OF TRIVALENT CALIFORNIUM (5F-9). J. G. CONWAY, J. B.
 398 61 UCRL-9909-ABSTRACT MEASUREMENT OF GAMMA RAY SPECTRA WITH GOOD RESOLUTION FROM 30 TO 600 MEV. R. J. CENCE,
 074 61 COMPUTER ANALYSIS FOR COMPLEX SODIUM IODIDE GAMMA SPECTRA. J. F. MOLLENAUER
 152 61 L POLYCHROMATOR FOR OBSERVATION OF TIME DEPENDENT SPECTRAL LINE PROFILES. G. R. SPILLMAN, W. S. COOPER AND J. M.
 046 61 9512 AN INTERFEROMETRIC STUDY OF ATOMIC MERCURY SPECTRAL LINES. R. BERG
 150 61 N A VARIABLE FREQUENCY NUCLEAR MAGNETIC RESONANCE SPECTROMETER. J. V. ACRIVOS
 490 61 ES OF ORGANIC IONS WITH THE FIELD IONIZATION MASS SPECTROMETER. H. D. BECKEY
 230 61 04 A THEORETICAL COMPARISON OF 4 PI FAST NEUTRON SPECTROMETERS. C. M. KIM
 107 61 S OF THE ALKALI METALS IN LIQUID AMMONIA, NOTE 4. SPECTROSCOPIC AND PHOTOCHEMICAL MEASUREMENTS. X-RAY DIFFRACTIO
 468 61 UCRL-9642 SOME USEFUL TABLES FOR NUCLEAR SPECTROSCOPY IN TRANSMERCURY GROUP OF ELEMENTS, ELECTRON BINDI
 365 61 UCRL-9809 ELECTRON TRACK COUNTING FOR BETA SPECTROSCOPY. K. D. SEVIER
 078 61 UCRL-9786 THE MICROWAVE SPECTRUM AND QUADRUPOLE INTERACTION IN CIS-1, 2- DICHLOROETHYL
 458 61 UCRL-9555-REV THE ABSORPTION SPECTRUM AND ZEEMAN EFFECT OF AM+3 IN LACL3. J. B. GRUBER, AN
 358 61 UCRL-9776 THE FMISSION SPECTRUM OF CALIFORNIUM. J. G. CONWAY, E. K. HULET, AND R. J.
 417 61 UCRL-TRANS-692 THE MASS SPECTRUM OF THE UNCHARGED FRAGMENTS FROM ELECTRON BOMBARDMENT
 055 61 CRL-9584 AN ANALYSIS OF THE INFRARED ABSORPTION SPECTRUM OF TRIVALENT AMERICIUM(5F-6) IN LACL3. J. B. GRUBER
 285 61 UCRL-9609 THE K- AND L- AUGER SPECTRUM OF URANIUM. R. G. ALBRIDGE AND J. M. HOLLANDER
 437 61 TS AT THE 60-INCH CYCLOTRON. G. L. WIGLE, N. C. SPENCER, AND E. W. FLEISCHER
 062 61 YSTEM FOR REMOTE RADIO- ISOTOPE CHEMISTRY. N. C. SPENCER, T. C. PARSONS AND P. W. HOWE
 247 61 T OF ALPHA DECAY BRANCHING RELATIONS FOR ODD MASS SPHEROIDAL NUCLEI. J. O. RASMUSSEN
 152 61 OF TIME DEPENDENT SPECTRAL LINE PROFILES. G. R. SPILLMAN, W. S. COOPER AND J. M. WILCOX
 378 61 UCRL-9856 SPIN AND PARITY OF THE OMEGA MESON. M. L. STEVENSON, L. W. AL
 483 61 ION OF THE CPT THEOREM AND THE CONNECTION BETWEEN SPIN AND STATISTICS FROM POSTULATES OF THE S-MATRIX THEORY. H.
 249 61 UCRL-9544 TEST OF ISOTOPIC SPIN CONSERVATION FROM AN EXPERIMENT LIMIT ON CROSS SECTION OF
 239 61 UCRL-9526 ON THE IDENTIFICATION OF SPIN EQUALLING 3/2 RESONANCES. H. P. STAPP
 402 61 UCRL-9926-ABSTRACT NUCLEAR SPIN OF AG-112. W. B. EWBANK, Y. W. CHAN, AND H. A. SHUGART
 390 61 UCRL-9879 NUCLEAR SPIN OF GALLIUM-70. V. J. EHLERS, W. A. NIENENBERG, AND H. A.
 405 61 UCRL-9929-ABSTRACT NUCLEAR SPIN OF HOLMIUM-161. B. BUDICK AND R. MARRUS
 403 61 UCRL-9927-ABSTRACT NUCLEAR SPIN OF ISOMERIC AU-196. Y. W. CHAN, W. B. EWBANK, W. A. NIERE
 357 61 UCRL-9774 THE NUCLEAR SPIN OF NEODYMIUM-141. S. S. ALPERT, B. BUDICK, E. LIPWORTH,
 302 61 UCRL-9641-ABSTRACT THE NUCLEAR SPIN OF SCANDIUM-46. F. R. PETERSEN AND H. A. SHUGART
 404 61 UCRL-9928-ABSTRACT THE NUCLEAR SPIN OF YTTRIUM-91. F. R. PETERSEN AND H. A. SHUGART
 034 61 UCRL-TRANS-693 LIGHT-INDUCED ELECTRON SPIN RESONANCE (SIGNAL) IN CRYSTALLINE CHLOROPHYLL IN THE PRES
 462 61 UCRL-9602 THE ELECTRON SPIN RESONANCE ABSORPTION OF TWO SOLID STATE PARAMAGNETIC CENT
 240 61 UCRL-9531 ANALYSIS OF THE A-3(X)3 NUCLEAR SPIN SYSTEM PION- ELECTRON COUPLED HYPERFINE SPLITTING CONSTANT
 336 61 MPERATURE DEPENDENT CHEMICAL SHIFTS, PART 2. F-19 SPIN-SPIN COUPLINGS. L. PETRAKIS
 387 61 UCRL-9869 NUCLEAR SPIN, HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 6.8-DAY LUTET
 320 61 UCRL-9690 NUCLEAR SPIN, HYPERFINE STRUCTURE, AND NUCLEAR MOMENTS OF 64-HOUR YTTR
 025 61 THE METABOLISM OF C-14 RIBULOSE DIPHOSPHATE BY SPINACH CHLOROPLASTS. R. B. PARK AND N. G. PON
 221 61 UCRL-9480 ATOMIC BEAM RESEARCH ON THE SPINS, HYPERFINE STRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140
 240 61 LEAR SPIN SYSTEM PION- ELECTRON COUPLED HYPERFINE SPLITTING CONSTANTS IN AROMATIC HYDROCARBONS. J. V. ACRIVOS
 488 61 UCRL-TRANS-683 STUDY OF THE STABILITY OF A HIGH CURRENT DISCHARGE IN HYDROGEN AT LOW INTEN
 483 61 ICS FROM POSTULATES OF THE S-MATRIX THEORY. H. P. STAPP
 239 61 FICATION OF SPIN EQUALLING 3/2 RESONANCES. H. P. STAPP
 481 61 UCRL-9794 STRONG FIELD STARK EFFECT. J. A. HOWE, AND W. H. FLYGARE
 406 61 N-PION INTERACTIONS IN THE I = ZERO AND THE I = 2 STATE. J. KIRZ, J. SCHWARTZ AND R. D. TRIPP
 015 61 RADIATION ON PROTEIN IN SOLUTION AND IN THE SOLID STATE. W. M. GARRISON
 187 61 UCRL-9621 STATISTICAL METHODS IN HIGH-ENERGY PHYSICS. M. KRETZSCHMAR
 459 61 UCRL-9559 STATISTICAL THEORY OF THE DIELECTRIC CONSTANT OF AN IMPERFECT
 460 61 UCRL-9559-ADD STATISTICAL THEORY OF THE DIELECTRIC CONSTANT OF AN IMPERFECT
 304 61 UCRL-9644 BOSE STATISTICS AND LAMBDA, PION PRODUCTION AND DECAY IN NEGATIVE K
 421 61 UCRL-9527 EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE DETERMINATION OF TRACK DENSITY. A. AHMADZA
 422 61 UCRL-9527-REV EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE DETERMINATION OF TRACK DENSITY. A. AHMADZA
 483 61 E CPT THEOREM AND THE CONNECTION BETWEEN SPIN AND STATISTICS FROM POSTULATES OF THE S-MATRIX THEORY. H. P. STAPP
 158 61 L-9980-ABSTRACT PHOTOMULTIPLIER SINGLE ELECTRON STATISTICS. R. F. TUSTING, Q. A. KERNS, AND H. K. KNUDSEN
 123 61 F. RUGGE, G. A. PAULIKAS, R. V. PYLE, AND J. W. STEARNS
 222 61 H. FOOTE, O. CHAMBERLAIN, E. H. ROGERS, AND H. M. STEINER
 223 61 J. H. FOOTE, O. CHAMBERLAIN, E. H. ROGERS, H. M. STEINER, C. E. WIEGAND, AND T. YPSILANTIS
 101 61 ILING OF WATER AND ETHYL ALCOHOL IN TUBES. L. S. STERMAN, V. G. MOROZOV, AND S. A. KOVALEV
 091 61 RBON-14 DIOXIDE. H. RAPOPORT, N. LEVY, AND F. R. STERMITZ
 409 61 KALBFLEISCH, D. H. MILLER, A. H. ROSENFELD, M. L. STEVENSON AND H. K. TICHO
 315 61 K-NEUTRAL MESONS. J. BUTTON, F. CRAWFORD, M. L. STEVENSON ET AL
 309 61 LIGHT. B. C. MAGLIC, G. R. KALBFLEISCH, AND M. L. STEVENSON
 366 61 10 EVIDENCE FOR A T=0 THREE PION RESONANCE. B. STEVENSON
 378 61 9856 SPIN AND PARITY OF THE OMEGA MESON. M. L. STEVENSON, L. W. ALVAREZ, B. C. MAGLIC, AND A. H. ROSENFELD
 013 61 UCRL-9681 STIMULATION OF THE CORNEAL BLINKING REFLEX BY IONIZING RADIATI
 132 61 UCRL-9274 AN 1800-BIT BUFFER STORE AND READOUT SYSTEM. F. EVANS AND F. A. KIRSTEN
 344 61 SKY, G. GOLDBABER, S. GOLDBABER, W. SLATER, D. M. STORK, AND H. K. TICHO
 380 61 NGE REACTION FROM 52 TO 456 MEV. W. SLATER, D. H. STORK, H. K. TICHO, W. LEE, W. CHINOWSKY, G. GOLDBABER, S. GOL
 319 61 MEASUREMENTS IN EMULSION ON PARTICLES OF NEGATIVE STRANGENESS. W. H. BARKAS, J. N. DYER, C. J. MASON, N. A. NIC
 134 61 RRENT THROUGH CONDUCTORS IN THE VICINITY OF LARGE STRAY MAGNETIC FIELDS. A. WINDSOR
 106 61 LES, 2. EXPANSION OF FLUIDIZED PARTICLES BY A GAS STREAM. J. FURUKAWA AND K. OMAE
 068 61 9705 CRYSTAL STRUCTURE OF PROPIONIC ACID. F. J. STRIETER AND D. H. TEMPLETON

073 61 L-9746 CRYSTAL STRUCTURE OF BUTYRIC ACID. F. J. STRIETER AND D. H. TEMPLETON
097 61 E CARBON TETRABROMIDE PARA XYLENE COMPLEX. F. J. STRIETER AND D. TEMPLETON
173 61 UCRL-TRANS-705 NEUTRON GENERATORS. V. I. STRIJAK AND N. S. NAZAROV
262 61 TRACT THEORY OF PION, NUCLEON SCATTERING IN THE STRIP APPROXIMATION TO THE MANDELSTAM REPRESENTATION. V. SINGH
263 61 -9561 THEORY OF PION- NUCLEON SCATTERING IN THE STRIP APPROXIMATION TO THE MANDELSTAM REPRESENTATION. V. SINGH
389 61 UCRL-9878-ABSTRACT ANALYSIS OF THE TWO NUCLEON STRIPPING REACTION C-12 (HE-3, PROTON) N-14. J. CERNY, N. K.
231 61 UCRL-9505 THE TWO NUCLEON STRIPPING REACTION. N. K. GLENDENNING
208 61 DE BY THE BOMBARDMENT OF BI-209 WITH HE-3. E. T. STROM
195 61 30 KILOBARS. D. MCWHAN, P. W. MONTGOMERY, H. D. STROMBERG, AND G. JURA
169 61 SURE SCALE TO 125 KILOBARS. P. W. MONTGOMERY, H. STROMBERG, G. H. LURA, AND G. JURA
123 61 UCRL-9899-ABSTRACT A HOLLOW CATHODE STRONTIUM PLASMA SOURCE. H. F. RUGGE, G. A. PAULIKAS, R. V. P
038 61 UCRL-9039 SOME CHARACTERISTICS OF A STRONTIUM-90 BETA PARTICLE RADIATION DETECTOR FOR GAS- LIQUID
197 61 CIATION ENERGIES OF OXIDES OF MAGNESIUM, CALCIUM, STRONTIUM, AND BARIUM. I. V. VEITS AND L. V. GURVICH
066 61 UCRL-9702-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF COBALT SULFATE HEXAHYDRATE.
067 61 UCRL-9703-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF SODIUM CHROMATE TETRAHYDRATE
387 61 UCRL-9869 NUCLEAR SPIN, HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 6.8-DAY LUTETIUM-177. F. R.
413 61 UCRL-9949-ABSTRACT HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF PRASEODYMIUM-142. R. MARRUS,
332 61 UCRL-9729 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF RAE, BI-210. S. S. ALPERT, E
351 61 UCRL-9757 HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF AMERICIUM-242. R. MARRUS, AN
473 61 UCRL-9695 CRYSTAL STRUCTURE AND PHYSICAL PROPERTIES OF AMERICIUM METAL. D. B. M
203 61 UCRL-9130-REV THE RB-85 - RB-86 HYPERFINE STRUCTURE ANOMALY. N. BRASLAU, G. O. BRINK, AND J. M. KHAN
265 61 UCRL-9563 TWO PROBLEMS OF STRUCTURE IN THE THEORY OF WEAK INTERACTIONS. PART 1. RADIATIV
073 61 UCRL-9746 CRYSTAL STRUCTURE OF BUTYRIC ACID. F. J. STRIETER AND D. H. TEMPLETON
082 61 UCRL-9802 THE CRYSTAL STRUCTURE OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, H. RUBEN,
016 61 UCRL-9715 THE FINE STRUCTURE OF NORMALIZED IRRADIATED YEAST CELLS AND YEAST RIBOS
408 61 UCRL-9942-ABSTRACT HYPERFINE STRUCTURE OF PM-147. B. BUDICK AND R. MARRUS
068 61 UCRL-9705 CRYSTAL STRUCTURE OF PROPIONIC ACID. F. J. STRIETER AND D. H. TEMPLETO
097 61 UCRL-9955 CRYSTAL STRUCTURE OF THE CARBON TETRABROMIDE PARA XYLENE COMPLEX. F.
093 61 UCRL-9893 CRYSTAL AND MOLECULAR STRUCTURE OF TRIETHYLSCARPHANE. T. N. MARGULIS AND D. H. TEMP
036 61 UCRL-8225-REV CRYSTAL STRUCTURE OF VANADYL BISACETYLACETONATE. GEOMETRY OF VANADIUM
320 61 UCRL-9690 NUCLEAR SPIN, HYPERFINE STRUCTURE, AND NUCLEAR MOMENTS OF 64-HOUR YTTRIUM-90. F. R. P
221 61 80 ATOMIC BEAM RESEARCH ON THE SPINS, HYPERFINE STRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140, AND LU-177. F.
344 61 IVE K-MESON, PROTON INTERACTION AT 455-MEV. T. F. STUBBS, H. BRADNER, W. CHINOWSKY, G. GOLDHABER, S. GOLDHABER,
269 61 E K-MESON, PROTON INTERACTIONS BELOW 100 MEV. T. STUBBS, S. GOLDHABER, H. BRADNER ET AL
356 61 UCRL-9768 PULSED NEUTRON EXPERIMENTS IN THE STUDENT LABORATORY
061 61 UCRL-9655-ABSTRACT EFFECTS OF N-ACYL SUBSTITUTION ON RADIATION CHEMICAL PROPERTIES OF THE ALPHA AMI
193 61 UCRL-9593 DISLOCATION SUBSTRUCTURES IN DEFORMED AND RECOVERED MOLYBDENUM. R. BENSON
488 61 AL FIELD. M. D. BORISOV, V. A. SUPRUNENKO, E. A. SUKHOMLIN, ET. AL.
066 61 CRYSTAL STRUCTURE AND HYDROGEN BONDING OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, D. H. TEMPLETON, AND H. W. RU
082 61 UCRL-9802 THE CRYSTAL STRUCTURE OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, H. RUBEN, AND D. H. TEMPLETON
446 61 UCRL-9318 LECTURES ON SUPERCONDUCTIVITY BY ANDREW M. SESSLER AT THE UNIVERSITY OF CA
479 61 UCRL-9790 SUPERCONDUCTIVITY OF NB-25A/O ZR ALLOY IN HIGH DC MAGNETIC FIE
369 61 UCRL-9819 RECENT SUPERCONDUCTIVITY TESTS AND STUDIES. P. R. ARON, H. P. HERNAND
488 61 ES OF THE ELECTRICAL FIELD. M. D. BORISOV, V. A. SUPRUNENKO, E. A. SUKHOMLIN, ET. AL.
210 61 NS IN HYDROGEN. D. C. GATES, R. W. KENNEY, W. P. SWANSON
149 61 UCRL-9767 A LOW SPEED SWINGING BUCKET ULTRACENTRIFUGAL ROTOR. F. T. LINDGREN
116 61 UCRL-9612-ABSTRACT THE MAGNETIC SWITCH-ON IONIZING WAVE. R. A. GROSS AND W. B. KUNKEL
126 61 UCRL-9035-REV CURRENT SWITCHING CIRCUITRY. J. G. SALVADOR AND D. O. PEDERSON
315 61 UCRL-9680-ABSTRACT TEST OF CHARGE SYMMETRY OF K-POSITIVE AND K-NEUTRAL MESONS. J. BUTTON, F. CR
179 61 PHYSICS DEPARTMENTS IN WESTERN EUROPE AND TO THE SYMPOSIUM ON SELECTED TOPICS IN RADIATION DOSIMETRY HELD AT TH
443 61 A NEW SCHEME FOR EXTRACTION OF PARTICLES FROM THE SYNCHROCYCLOTRON. I. M. MATORA
009 61 UCRL-9592 THE LIPID SYNDROME IN MAMMALIAN RADIOBIOLOGY WITH EMPHASIS ON POSTIRRADI
045 61 9501 THE USE OF ELECTRIC DISCHARGES IN CHEMICAL SYNTHESIS. W. L. JOLLY
237 61 UCRL-9524 DECAY-ENERGY SYSTEMATICS OF THE HEAVY ELEMENTS. I. PERLMAN AND F. ASARO
379 61 UCRL-9857 EVIDENCE CONFIRMING THE T=ZERO THREE PION RESONANCE. N. H. XUONG AND G. R. LYNCH
366 61 UCRL-9810 EVIDENCE FOR A T=0 THREE PION RESONANCE. B. STEVENSON
063 61 UCRL-9694 TABLE OF VIBRATIONAL FORCE CONSTANTS. D. R. HERSCHBACH AND V.
468 61 UCRL-9642 SOME USEFUL TABLES FOR NUCLEAR SPECTROSCOPY IN TRANSMERCURY GROUP OF ELEME
391 61 UCRL-9883 FISSION ENERGY TABLES. J. C. D. MILTON
037 61 QUADRUPOLE RESONANCE IN TiCl₄, ThCl₄, NbCl₅, AND TACL₅. A. H. REDDOGH
135 61 UCRL-9483 A PAPER TAPE TO MAGNETIC TAPE CONVERTER. L. F. FLORES
135 61 UCRL-9483 A PAPER TAPE TO MAGNETIC TAPE CONVERTER. L. F. FLORES
437 61 63 DISMANTLING ENCLOSURE FOR EXTERNAL CYCLOTRON TARGETS AT THE 60-INCH CYCLOTRON. G. L. WIGLE, N. C. SPENCER
170 61 UCRL-9824 FABRICATING LIQUID HYDROGEN TARGETS FROM MYLAR. D. L. MEHR
238 61 UCRL-9525 ALPHA, DEUTERON REACTIONS ON ODD-ODD TARGETS. J. CERNY, B. G. HARVEY, AND R. H. PEHL
400 61 UCRL-9914-ABSTRACT PION-PION CORRELATION IN TAU DECAY. T. A. OHALLORAN, G. GOLDHABER, AND S. GOLDHABER
388 61 UCRL-9870 AN ALPHA EMITTING ISOMERIC STATE OF TB-149. R. D. MACFARLANE
361 61 UCRL-9788 NUCLEAR ORIENTATION OF TB-156. C. A. LOVEJOY, AND D. A. SHIRLEY
160 61 UCRL-TRANS-724 POSSIBILITIES AND LIMITATIONS OF TELEVISION MICROSCOPY. H. FRENK
353 61 ON THE SPEED OF REACTIONS AT HIGH PRESSURES. E. TELLER
163 61 USE OF PYROELECTRIC DEVICES FOR MEASURING SMALL TEMPERATURE CHANGES. S. B. LANG
336 61 NUCLEAR MAGNETIC RESONANCE STUDIES, PART 1. H-1 TEMPERATURE DEPENDENT CHEMICAL SHIFTS, PART 2. F-19 SPIN-SPIN
053 61 UCRL-9572 TEMPERATURE DEPENDENT CHEMICAL SHIFTS IN THE NUCLEAR MAGNETIC
444 61 UCRL-6406-T-ABSTRACT THE LOW TEMPERATURE HEAT CAPACITIES OF ANTIFERROMAGNETIC COF2 AND MNF2
040 61 AL OF THE CE(III), CE(IV) COUPLE AS A FUNCTION OF TEMPERATURE IN PERCHLORIC ACID SOLUTIONS, THERMODYNAMIC PROPER
195 61 UCRL-9808 PRESSURE TEMPERATURE RESISTANCE PROPERTIES OF LANTHANUM, BISMUTH, NEPTU
115 61 UCRL-9611-ABSTRACT PRODUCTION OF A HIGH TEMPERATURE ROTATING PLASMA. K. HALBACH, D. VERON, AND W. R.
012 61 UCRL-9676-ABSTRACT TEMPERATURE SHOCK AND CROSSING OVER IN FERTILIZED EGGS OF DROS
476 61 L-9723 THE HEAT CAPACITY OF SILVER OXIDE AT LOW TEMPERATURES. L. V. GREGOR
097 61 OMIDE PARA XYLENE COMPLEX. F. J. STRIETER AND D. TEMPLETON
068 61 CTURE OF PROPIONIC ACID. F. J. STRIETER AND D. H. TEMPLETON
073 61 RUCTURE OF BUTYRIC ACID. F. J. STRIETER AND D. H. TEMPLETON
082 61 FATE HEXAHYDRATE. A. ZALKIN, H. RUBEN, AND D. H. TEMPLETON
093 61 E OF TRIETHYLSCARPHANE. T. N. MARGULIS AND D. H. TEMPLETON
036 61 UM IN FIVE-FOLD COORDINATION. R. P. DODGE, D. H. TEMPLETON, AND A. ZALKIN
066 61 OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, D. H. TEMPLETON, AND H. W. RUBEN
067 61 N BONDING OF SODIUM CHROMATE TETRAHYDRATE. D. H. TEMPLETON, H. W. RUBEN, AND I. OLOVSSON
130 61 TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN- NANOSECOND PULSES. S. C. BAKER
298 61 NERGY. B. CORK, O. I. DAHL, D. H. MILLER, A. G. TENNER, AND C. L. WANG
386 61 UCRL-9868 DOUBLE TENSOR OPERATORS FOR CONFIGURATION OF EQUIVALENT ELECTRONS. B
034 61 ENCE OF WATER VAPOR. V. E. Kholmogorov AND A. N. TERENCEV
310 61 IC INTERACTIONS AT 1.61 BEV/C AND THEIR USE FOR A TEST OF CHARGE CONJUGATION INVARIANCE IN STRONG INTERACTIONS.
315 61 UCRL-9680-ABSTRACT TEST OF CHARGE SYMMETRY OF K-POSITIVE AND K-NEUTRAL MESONS. J
249 61 UCRL-9544 TEST OF ISOTOPIC SPIN CONSERVATION FROM AN EXPERIMENT LIMIT ON

131 61 UCRL-9273 TEST ROUTINES AND MONITORING FOR A LARGE COUNTER EXPERIMENT.
 369 61 UCRL-9819 RECENT SUPERCONDUCTIVITY TESTS AND STUDIES. P. R. ARON, H. P. HERNANDES, AND H. C. MITC
 097 61 UCRL-9955 CRYSTAL STRUCTURE OF THE CARBON TETRABROMIDE PARA XYLENE COMPLEX. F. J. STRIETER AND D. TEMPL
 067 61 STRUCTURE AND HYDROGEN BONDING OF SODIUM CHROMATE TETRAHYDRATE. D. H. TEMPLETON, H. W. RUBEN, AND I. OLOVSSON
 462 61 SOLID STATE PARAMAGNETIC CENTERS, PART 1. FROZEN TETRAMETHYL AMMONIUM SOLUTIONS, PART 2. CRESTMORE BLUE CALCITE
 395 61 DIATIONLESS TRANSITIONS IN THE MU- MESONIC ATOMS, TH-232, U-235, AND U-238. J. A. DIAZ, S. N. KAPLAN, AND R. V.
 037 61 8972-REV NUCLEAR QUADRUPOLE RESONANCE IN TICL₄, THCL₄, NBCL₅, AND TACL₅. A. H. REDDOCH
 483 61 UCRL-9804 DERIVATION OF THE CPT THEOREM AND THE CONNECTION BETWEEN SPIN AND STATISTICS FROM PD
 230 61 UCRL-9504 A THEORETICAL COMPARISON OF 4 PI FAST NEUTRON SPECTROMETERS. C
 485 61 UCRL-9885 A THEORETICAL CONSIDERATION OF ASYMMETRIC HEAT FLOW AT THE INTERF
 483 61 IN AND STATISTICS FROM POSTULATES OF THE S-MATRIX THEORY. H. P. STAPP
 415 61 UCRL-TRANS-687 THEORY OF THE DIFFUSION OF THERMAL NEUTRONS TAKING ACCOUNT OF VELOCITY DISTRIBUTION. M.
 448 61 UCRL-9388 THERMAL PROPERTIES OF SOLID HYDROGEN UNDER PRESSURE. W. H. OR
 098 61 73-ABSTRACT CALCULATION OF INTEGRAL AND PARTIAL THERMODYNAMIC FUNCTIONS FOR SOLIDS FROM DISSOCIATION PRESSURE
 040 61 TION OF TEMPERATURE IN PERCHLORIC ACID SOLUTIONS, THERMODYNAMIC PROPERTIES. H. L. CONLEY
 076 61 UCRL-9775 THE VOLUMETRIC AND THERMODYNAMIC PROPERTIES OF FLUIDS, 6. RELATIONSHIP OF MOLECU
 088 61 UCRL-9840 THERMODYNAMIC PROPERTIES OF GASEOUS METAL DIHALIDES. L. BREWE
 109 61 UCRL-9500, UCRL-9598, UCRL-9777 CONTROLLED THERMONUCLEAR RESEARCH, QUARTERLY REPORT.
 194 61 9647 MARTENSITE IN CU-12.0 PERCENT AL ALLOY. G. THOMAS AND M. C. HOFFSTUTLER
 192 61 UDIES OF ALUMINUM- MAGNESIUM- SILICON ALLOYS. G. THOMAS
 193 61 DEFORMED AND RECOVERED MOLYBDENUM. R. BENSON, G. THOMAS, AND J. WASHBURN
 352 61 F 152 YEAR AM-242M. F. ASARO, M. C. MICHEL, S. G. THOMPSON, AND I. PERLMAN
 450 61 UCRL-9458 THE ISOTOPE OF THORIUM, PROACTINIUM AND URANIUM. E. K. HYDE
 418 61 S PROTON YIELDS DEUTERON PLUS POSITIVE PION IN THE THRESHOLD REGION OF PAIR FORMATION OF PIONS. I. K. AKIMOV, O.
 407 61 YIELD POSITIVE SIGMA PLUS POSITIVE K- MESON NEAR THRESHOLD. F. GRARD AND G. A. SMITH
 281 61 P IN LAMBDA, K-MESON PRODUCTION AT SIGMA, K-MESON THRESHOLD. S. E. WOLF, N. SCHMITZ, L. J. LLOYD, W. LASKER, F.
 033 61 RADIOMETER FOR MEASURING IODINE-131 IN THE HUMAN THYROID GLAND. V. A. GRYZGUNDV
 409 61 ILLER, A. H. ROSENFELD, M. L. STEVENSON AND H. K. TICHU
 344 61 S. GOLDBABER, W. SLATER, D. M. STORK, AND H. K. TICHU
 381 61 AREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHU, AND S. G. WOJCIICKI
 328 61 AREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHU, AND S. G. WOJCIICKI
 311 61 EREZ, P. EBERHARD, M. L. GOOD, W. GRAZIANO, H. K. TICHU, AND S. G. WOJCIICKI
 380 61 FROM 52 TO 456 MEV. W. SLATER, D. H. STORK, H. K. TICHU, W. LEE, W. CHINOWSKY, G. GOLDBABER, S. GOLDBABER, AND T
 037 61 UCRL-8972-REV NUCLEAR QUADRUPOLE RESONANCE IN TICL₄, THCL₄, NBCL₅, AND TACL₅. A. H. REDDOCH
 127 61 RL-9270 A SOLID-STATE CHRONOTRON FOR DIGITIZING TIME DELAYS. A. E. BJERKE, Q. A. KERNS, AND T. A. NUNAMAKER
 152 61 3 NINE CHANNEL POLYCHROMATOR FOR OBSERVATION OF TIME DEPENDENT SPECTRAL LINE PROFILES. G. R. SPILLMAN, W. S.
 350 61 ION YIELDS AND TOTAL KINETIC ENERGY BEHAVIOR FROM TIME OF FLIGHT MEASUREMENTS. J. C. D. MILTON, AND J. S. FRASE
 157 61 UCRL-9976-ABSTRACT TIME RESOLUTION OF A SCINTILLATION COUNTER SYSTEM. A. E. BJER
 059 61 UCRL-9615 HYDRIDES OF GERMANIUM, TIN, ARSENIC AND ANTIMONY. W. L. JOLLY AND J. E. DRAKE
 028 61 UCRL-9831 EXPERIMENTAL AND TISSUE VARIATION IN TRACER STUDIES OF INTERMEDIARY METABOLISM
 039 61 L-9203 AN ANALYSIS OF THE ABSORPTION SPECTRA OF TM(IV) AND AM(IV). J. B. GRUBER
 217 61 ADIATION. ELECTRONS, PROTONS UP TO CARBON. C. A. TOBIAS AND R. WALLACE
 010 61 ICAL EFFECTS OF HEAVY RADIATION PARTICLES. C. A. TOBIAS
 013 61 OKNEAL BLINKING REFLEX BY IONIZING RADIATION. C. TOBIAS, J. LUCE, N. YANNI, T. BRUSTAD, J. LYMAN, AND S. KIMURA
 064 61 AKATION OF HAFNIUM FROM RARE EARTH OXIDES. M. I. TOCHER AND J. M. HOLLANDER
 112 61 TS OF A MAGNETIC FIELD ON NATURAL CONVECTION IN A TOROIDAL CHANNEL. P. CONCUS
 167 61 UCRL-9657 THE WATER SHIELDED CAVE FACILITY FOR TOTALLY ENCLOSED MASTER SLAVE OPERATIONS AT LAWRENCE RADIATION
 084 61 UCRL-9806 TRACER STUDIES IN HYDROGEN ADAPTED SCENEDESMUS USING H-3 AND C
 028 61 UCRL-9831 EXPERIMENTAL AND TISSUE VARIATION IN TRACER STUDIES OF INTERMEDIARY METABOLISM OF ISOLATED RAT LIVE
 365 61 UCRL-9809 ELECTRON TRACK COUNTING FOR BETA SPECTROSCOPY. K. D. SEVIER
 421 61 UBBLE-CHAMBER STATISTICS FOR THE DETERMINATION OF TRACK DENSITY. A. AHMADZADEH
 422 61 UBBLE-CHAMBER STATISTICS FOR THE DETERMINATION OF TRACK DENSITY. A. AHMADZADEH
 178 61 N TYPE A, NTA PERSONNEL NEUTRON DOSIMETER NUCLEAR TRACK FILM. R. L. LEHMAN
 425 61 L-9638-ABSTRACT INFORMATION CONTENT OF PARTICLE TRACKS. W. H. BARKAS
 426 61 UCRL-9692 THE GRAIN DENSITY OF EMULSION TRACKS. J. W. PATRICK AND W. H. BARKAS
 424 61 UCRL-9578 INFORMATION CONTENT OF PARTICLE TRACKS. W. H. BARKAS
 019 61 RL-9770 EFFECTS OF ENVIRONMENTAL COMPLEXITY AND TRAINING ON BRAIN CHEMISTRY AND ANATOMY, A REPLICATION AND EXT
 027 61 UCRL-9827 EFFECTS OF AGE OF TRAINING ON CHOLINESTERASE ACTIVITY IN THE BRAINS OF MAZE BRIG
 075 61 NEAR ULTRAVIOLET SPECTRUM OF MAGNESIUM OXIDE. S. TRAJMAR
 070 61 UCRL-9722 CHARGE TRANSFER ASSOCIATION AND PARAMAGNETISM OF SOME ORGANIC SYSTEMS
 347 61 UCRL-9751 MOMENTUM TRANSFER IN HEAVY ION INDUCED FISSION. T. SIKKELAND, E. L. HA
 327 61 UCRL-9714 TWO NUCLEON TRANSFER REACTIONS IN THE LIGHT ELEMENTS. J. CERNY
 233 61 AL THEORY FOR STRONG INTERACTIONS AT LOW MOMENTUM TRANSFERS BUT ARBITRARY ENERGIES. G. F. CHEW AND S. C. FRAUTSC
 134 61 UCRL-9464 A NEW SATURABLE TRANSFORMER MEASURES DIRECT CURRENT THROUGH CONDUCTORS IN THE
 143 61 CTS OF EXTRINSIC COLLECTOR TO BASE CAPACITANCE IN TRANSISTOR AMPLIFIERS. L. SCOTT
 129 61 UCRL-9272 A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN NANOSECON
 130 61 UCRL-9272-REV A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR TEN-NANOSECON
 153 61 UCRL-9853 A SIMPLE, TRANSISTORIZED BETA-GAMA HAND AND SHOE MONITOR. R. J. WALKER
 284 61 UCRL-9608 MEASUREMENTS OF E2 DECAY TRANSITION INTERNAL CONVERSION COEFFICIENTS. A DISCUSSION OF T
 314 61 RL-9679 CLEBSCH GORDAN COEFFICIENTS FOR NUCLEAR TRANSITION PROBABILITIES, 1 ODD-MASS NUCLIDES. J. K. LUM, J.
 466 61 UCRL-9618-ABSTRACT ZEEMAN EFFECT OF THE TRANSITION TRIVALENT PLUTONIUM, 6-H-5/2 GOES TO J EQUALLING 11
 395 61 STRACT NUCLEAR FISSION INDUCED BY RADIATIONLESS TRANSITIONS IN THE MU- MESONIC ATOMS, TH-232, U-235, AND U-238
 468 61 SOME USEFUL TABLES FOR NUCLEAR SPECTROSCOPY IN TRANSMERCUY GROUP OF ELEMENTS, ELECTRON BINDING ENERGIES, X-R
 192 61 AGING CHARACTERISTICS OF ALUMINUM ALLOYS ELECTRON TRANSMISSION STUDIES OF ALUMINUM- MAGNESIUM- SILICON ALLOYS.
 313 61 UCRL-9678-ABSTRACT LOW-LYING LEVELS IN SEVERAL TRANSURANIC ATOMS. B. R. JUDD
 204 61 48 THE RADIOACTIVE DECAY OF THE ISOTOPE OF TRANSURANUM ELEMENTS. E. K. HYDE
 484 61 DRIFT AND DIFFUSION MEASUREMENTS IN HYDROGEN IN A TRANSVERSE STRONG MAGNETIC FIELD. M. J. BERNSTEIN AND W. B. K
 108 61 UCRL-9344 SOME CALCULATIONS ON TRIAX PINCH DEVICE. S. FISHER
 093 61 UCRL-9893 CRYSTAL AND MOLECULAR STRUCTURE OF TRIETHYLSCARPHANE. T. N. MARGULIS AND D. H. TEMPLETON
 146 61 UCRL-9726-ABSTRACT A TRIGGERED NANOSECOND PULSED LIGHT SOURCE. T. G. INNES AND Q.
 384 61 J. L. BROWN, D. A. GLASER, J. A. KADYK, AND G. H. TRILLING
 393 61 ECAY INTERACTION. J. L. BROWN, J. A. KADYK, G. H. TRILLING, R. T. VAN DE WALLE, B. P. ROE AND D. SINCLAIR
 210 61 UCRL-9390-REV ELECTRON TRIPLET PRODUCTION BY HIGH ENERGY PHOTONS IN HYDROGEN. D. C.
 406 61 THE I = 2 STATE. J. KIRZ, J. SCHWARTZ AND R. D. TRIPP
 363 61 MILLER, J. J. MURRAY, A. H. ROSENFELD, AND R. D. TRIPP
 301 61 H. MILLEK, J. J. MURRAY, A. H. ROSENFELD, R. D. TRIPP, AND M. B. WATSON
 412 61 RACT AN EXCITED HYPERON OF MASS 1520-MEV. R. D. TRIPP, M. FERRO-LUZZI AND M. B. WATSON
 303 61 , PROTON INTERACTION IN THE 400 MEV/C REGION. R. TRIPP, M. FERRO-LUZZI, AND M. WATSON
 055 61 N ANALYSIS OF THE INFRARED ABSORPTION SPECTRUM OF TRIVALENT AMERICIUM(5F-6) IN LACL₃. J. B. GRUBER
 060 61 654 ABSORPTION AND SELF LUMINESCENCE SPECTRA OF TRIVALENT CALIFORNIUM (5F-9). J. G. CONWAY, J. B. GRUBER, E.
 466 61 L-9618-ABSTRACT ZEEMAN EFFECT OF THE TRANSITION TRIVALENT PLUTONIUM, 6-H-5/2 GOES TO J EQUALLING 11/2 IN HEXAG
 159 61 UCRL-TRANS-704 A PORTABLE NEUTRON GENERATING TUBE USING ION ACCELERATION. E. A. AB, G. M. ANDRIANOV, R. I.
 172 61 PROBLEM OF HEAT EXCHANGE DURING LIQUID BOILING IN TUBES. I. P. VISHNEV AND N. K. ELUKHIN
 101 61 ANGE IN THE BOILING OF WATER AND ETHYL ALCOHOL IN TUBES. L. S. STERMAN, V. G. MOROZOV, AND S. A. KOVALEV

072 61 D CONVECTION BOILING OF WATER IN UNIFORMLY HEATED TUBES. R. M. WRIGHT
190 61 UCRL-9502 SINGLE CRYSTAL TUNGSTEN RIBBON. F. L. REYNOLDS
158 61 MULTIMULTIPLIER SINGLE ELECTRON STATISTICS. R. F. TUSTING, Q. A. KERNS, AND H. K. KNUDSEN
250 61 5-ABSTRACT ROTATIONAL AND VIBRATIONAL LEVELS IN U-232. S. BJORNHOLM, A. B. KNUTSEN, AND D. B. NIELSEN
214 61 UCRL-9438 THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND
215 61 UCRL-9438-REV THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J. M. HOLLANDER, C. J. GALLAGHER, AND
395 61 ESS TRANSITIONS IN THE MU- MESONIC ATOMS, TH-232, U-235, AND U-238. J. A. DIAZ, S. N. KAPLAN, AND R. V. PYLE
395 61 IONS IN THE MU- MESONIC ATOMS, TH-232, U-235, AND U-238. J. A. DIAZ, S. N. KAPLAN, AND R. V. PYLE
262 61 THE MANDELSTAM REPRESENTATION. V. SINGH AND B. M. UDGAONKAR
263 61 THE MANDELSTAM REPRESENTATION. V. SINGH AND B. M. UDGAONKAR
382 61 OF SIGMA AND LAMBDA HYPERONS. V. SINGH AND B. M. UDGAONKAR
149 61 UCRL-9767 A LOW SPEED SWINGING BUCKET ULTRACENTRIFUGAL ROTOR. F. T. LINDGREN
075 61 UCRL-9773 STUDY OF THE NEAR ULTRAVIOLET SPECTRUM OF MAGNESIUM OXIDE. S. TRAJMAR
417 61 UCRL-TRANS-692 THE MASS SPECTRUM OF THE UNCHARGED FRAGMENTS FROM ELECTRON BOMBARDMENT OF MOLECULES. D
174 61 UCRL-TRANS-729 PROPAGATION OF THE UNIDIMENSIONAL WAVES IN MATERIALS WITH DELAYED YIELDING. V. S
072 61 DOWNFLOW FORCED CONVECTION BOILING OF WATER IN UNIFORMLY HEATED TUBES. R. M. WRIGHT
317 61 UCRL-9685 THE ROLE OF THE POTENTIAL AND UNSTABLE IN THE S-MATRIX THEORY OF STRONG INTERACTION. G. F.
038 61 ON DETECTOR FOR GAS- LIQUID CHROMATOGRAPHY. F. T. UPHAM, F. T. LINDGREN, AND A. V. NICHOLS
201 61 ENERGY-LOSS MEASUREMENTS IN ALUMINUM, COPPER, LEAD, URANIUM AND EMULSION. W. H. BARKAS AND S. VON FRIESEN
234 61 ALPHA DECAY STUDIES IN THE FAMILIES OF THE LIGHT URANIUM ISOTOPES. C. P. RUIZ
450 61 L-9458 THE ISOTOPES OF THORIUM, PROACTINIUM AND URANIUM. E. K. HYDE
285 61 UCRL-9609 THE K- AND L- AUGER SPECTRUM OF URANIUM. R. G. ALBRIDGE AND J. M. HOLLANDER
245 61 UCRL-9540 FISSION OF URANIUM-238 WITH CARBON IONS. T. SIKKELAND, A. E. LARSH, AND G
166 61 UCRL-9506 GLASS CATHODES IN VACUUM INSULATED HIGH-VOLTAGE SYSTEMS. J. J. MURRAY
164 61 UCRL-9487 ELECTRODE DAMAGE CAUSED BY SPARKS IN VACUUM. C. A. HARRIS
057 61 UCRL-9590 BOND ENERGIES, VALENCE STATE ENERGIES AND RESONANCE. G. R. SOMAYAJULU
334 61 UCRL-9731 THE DECAY OF HF-173. J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDER
360 61 Y LEVELS OF LU-172(171 PROTONS, 101 NEUTRONS). J. VALENTIN, D. J. HOREN, AND J. M. HOLLANDER
432 61 M. MAIN, N. J. NORRIS, R. PETERS, L. SMITH, C. M. VAN ATTA, F. VOELKER, C. E. ANDERSON, R. BERINGER, R. L. GLUCK
393 61 J. L. BROWN, J. A. KADYK, G. H. TRILLING, R. T. VAN DE WALLE, B. P. ROE AND D. SINCLAIR
032 61 BULATORY PATIENT. K. JOHNSON, P. DOWLING, AND D. VAN DYKE
036 61 UCTURE OF VANADYL BISACETYLACETONATE. GEOMETRY OF VANADIUM IN FIVE-FOLD COORDINATION. R. P. DODGE, D. H. TEMPLE
036 61 UCRL-8225-REV CRYSTAL STRUCTURE OF VANADYL BISACETYLACETONATE. GEOMETRY OF VANADIUM IN FIVE-FOLD
162 61 ON RATES IN AGITATED LIQUID-LIQUID SYSTEM. J. H. VANDERVEEN
034 61 CRYSTALLINE CHLOROPHYLL IN THE PRESENCE OF WATER VAPOR. V. E. Kholmogorov AND A. N. TERENIN
041 61 UCRL-9363-REV THE RADIOLYSIS OF BIACETYL VAPOR. G. J. MAINS, A. S. NEWTON, AND A. F. SCIAMANNA
265 61 PART 2. ELECTRO MAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMEDIARY IN WEAK INTERACTIONS. J. A. YOUNG
342 61 RL-9741 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MESON INTERMEDIARY IN WEAK INTERACTIONS. S. A. BLUDMAN
392 61 RL-9889 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MESON. J. A. YOUNG AND S. A. BLUDMAN
375 61 UCRL-9837 ELECTROMAGNETIC PRODUCTION OF CHARGED VECTOR MESONS. S. A. BLUDMAN AND J. A. YOUNG
165 61 UCRL-9503 THE CROSS PRODUCT OF E AND B VECTORS DISCHARGE AS A SOURCE OF IONS. K. W. EHLERS
197 61 MAGNESIUM, CALCIUM, STRONTIUM, AND BARIUM. I. V. VEITS AND L. V. GURVICH
103 61 F OXIDES OF MOLECULES OF GROUP 2 ELEMENTS. I. V. VEITS AND L. V. GURVICH
104 61 THE OXIDES OF THE ALKALINE EARTH ELEMENTS. I. V. VEITS AND L. V. GURVICH
415 61 E DIFFUSION OF THERMAL NEUTRONS TAKING ACCOUNT OF VELOCITY DISTRIBUTION. M. V. KAZARNOVSKII AND F. L. SHAPIRO
201 61 UCRL-8792 HIGH VELOCITY RANGE AND ENERGY-LOSS MEASUREMENTS IN ALUMINUM, COPPE
115 61 HIGH TEMPERATURE ROTATING PLASMA. K. HALBACH, D. VERON, AND W. R. BAKER
307 61 ERGY PION PHOTON INTERACTION, THE 2 PION, 2 GAMMA VERTEX. B. R. DESAI
063 61 UCRL-9694 TABLE OF VIBRATIONAL FORCE CONSTANTS. D. R. HERSCHBACH AND V. W. LAURI
250 61 UCRL-9545-ABSTRACT ROTATIONAL AND VIBRATIONAL LEVELS IN U-232. S. BJORNHOLM, A. B. KNUTSEN, AND
134 61 MEASURES DIRECT CURRENT THROUGH CONDUCTORS IN THE VICINITY OF LARGE STRAY MAGNETIC FIELDS. A. WINDSOR
179 61 HELD AT THE INTERNATIONAL ATOMIC ENERGY AGENCY IN VIENNA JUNE 7 TO 11, 1960. R. WALLACE
288 61 TRIBUTIONS FROM HEAVY ION INDUCED FISSION. V. E. VIOLA
347 61 D FISSION. T. SIKKELAND, E. L. HAINES, AND V. E. VIOLA
105 61 INCORPORATION OF O-18 FROM HEAVY OXYGEN WATER IN VIOLAXANTHENE UNDER THE EFFECT OF LIGHT ON PLANTS. D. I. SAPOZ
020 61 UCRL-9783 FERTILIZATION IN D MELANOGASTER AND D VIRILIS. P. E. HILDRETH AND J. C. LUCCHESI
172 61 EXCHANGE DURING LIQUID BOILING IN TUBES. I. P. VISHNEV AND N. K. ELUKHIN
423 61 UCRL-9549 VISUALIZING THE DISTRIBUTION OF GAMMA RAY AND POSITRON EMITTER
414 61 IONS OF FAST NEUTRONS BY ARGON AND CRYPTON. V. P. VLASENKO, I. A. GRITS, D. E. KHULELIDZE, ET AL
220 61 CITATION OF THE HEAVY ION LINEAR ACCELERATOR. F. VOELKER
432 61 NORRIS, R. PETERS, L. SMITH, C. M. VAN ATTA, F. VOELKER, C. E. ANDERSON, R. BERINGER, R. L. GLUCKSTERN, W. J.
467 61 UCRL-9630 SOME PHYSICAL PROPERTIES OF THE VOLATILE HYDRIDES. W. L. JOLLY
076 61 UCRL-9775 THE VOLUMETRIC AND THERMODYNAMIC PROPERTIES OF FLUIDS. 6. RELATIO
201 61 LEAD, URANIUM AND EMULSION. W. H. BARKAS AND S. VON FRIESEN
153 61 IOSTORIZED BETA-GAMA HAND AND SHOE MONITOR. R. J. WALKER AND W. J. ROACH
148 61 NAL HAND AND FOOT COUNTER. W. J. ROACH AND R. J. WALKER
180 61 E ALPHA SURVEY INSTRUMENT. W. J. ROACH AND R. J. WALKER
179 61 C ENERGY AGENCY IN VIENNA JUNE 7 TO 11, 1960. R. WALLACE
202 61 H. ATKINSON, W. N. HESS, V. PEREZ-MENDEZ, AND R. WALLACE
217 61 TRONS, PROTONS UP TO CARBON. C. A. TOBIAS AND R. WALLACE
006 61 BIO- RADIOLOGY IN SPACE AND IN THE LABORATORY. R. WALLACE
393 61 BROWN, J. A. KADYK, G. H. TRILLING, R. T. VAN DE WALLE, B. P. ROE AND D. SINCLAIR
298 61 O. I. DAHL, D. H. MILLER, A. G. TENNER, AND C. L. WANG
193 61 COVERED MOLYBDENUM. R. BENSON, G. THOMAS, AND J. WASHBURN
101 61 NS-694 STUDY OF HEAT EXCHANGE IN THE BOILING OF WATER AND ETHYL ALCOHOL IN TUBES. L. S. STERMAN, V. G. MOROZO
072 61 UCRL-9744 DOWNFLOW FORCED CONVECTION BOILING OF WATER IN UNIFORMLY HEATED TUBES. R. M. WRIGHT
105 61 ANS-737 INCORPORATION OF O-18 FROM HEAVY OXYGEN WATER IN VIOLAXANTHENE UNDER THE EFFECT OF LIGHT ON PLANTS. D.
167 61 UCRL-9657 THE WATER SHIELDED CAVE FACILITY FOR TOTALLY ENCLOSED MASTER SLAVE
034 61 AL) IN CRYSTALLINE CHLOROPHYLL IN THE PRESENCE OF WATER VAPOR. V. E. Kholmogorov AND A. N. TERENIN
412 61 S 1520-MEV. R. D. TRIPP, M. FERRO-LUZZI AND M. B. WATSON
301 61 MURRAY, A. H. ROSENFELD, R. D. TRIPP, AND M. B. WATSON
303 61 O MEV/C REGION. R. TRIPP, M. FERRO-LUZZI, AND M. WATSON
338 61 O. DAHL, N. HORWITZ, D. MILLER, J. MURRAY, AND M. WATSON
449 61 E OF A GAS OF MOLECULES. A. N. KAUFMAN AND K. M. WATSON
459 61 ANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
460 61 ANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
474 61 ANT OF AN IMPERFECT GAS. A. N. KAUFMAN AND K. M. WATSON
455 61 UCRL-9523-ABSTRACT EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER,
464 61 UCRL-9613-ABSTRACT EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOP
456 61 UCRL-9523 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, A
452 61 UCRL-9482 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, W. S. COOPER, A
465 61 UCRL-9613 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOP
453 61 UCRL-9496 ALFVEN WAVE REFLECTIONS AND PROPAGATION MODES. A. W. DESILVA, W. S. C
297 61 UCRL-9635-ABSTRACT ESTIMATE OF THE S WAVE SIGMA-NEGATIVE, NEUTRON INTERACTION. O. DAHL, N. HORWITZ

116 61 L-9612-ABSTRACT THE MAGNETIC SWITCH-ON IONIZING WAVE. R. A. GROSS AND W. B. KUNKEL
 174 61 UCRL-TRANS-729 PROPAGATION OF UNIDIMENSIONAL WAVES IN MATERIALS WITH DELAYED YIELDING. V. S. LENSII AND L
 114 61 UCRL-9601 EXPERIMENTAL STUDY OF HYDROMAGNETIC WAVES IN PLASMA. A. W. DESILVA
 117 61 UCRL-9612 HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R. A. GROSS
 119 61 UCRL-9612-REV HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL
 118 61 UCRL-9612-REV-ABSTRACT HYDROMAGNETIC IONIZING WAVES. R. A. GROSS AND W. B. KUNKEL
 124 61 UCRL-9936-ABSTRACT HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R. A. GROSS
 362 61 E OAK RIDGE CRITICALITY FISSION FOIL MONITOR. B. WAYLAND
 031 61 OF AQUO- ORGANIC SYSTEMS. W. M. GARRISON, B. M. WEEKS, AND S. COLE
 061 61 HEMICAL PROPERTIES OF THE ALPHA AMINO ACID. B. M. WEEKS, M. KLAND-ENGLISH, AND W. M. GARRISON
 343 61 TS ON THE ANTINUCLEON NUCLEON INTERACTION. W. A. WENZEL
 335 61 COOK, D. KEEFE, L. T. KERTH, P. G. MURPHY, W. A. WENZEL, AND T. F. ZIFF
 339 61 . CORK, T. F. HOANG, D. KEEFE, L. T. KERTH, W. A. WENZEL, AND T. F. ZIFF
 264 61 UCRL-9562 NUCLEAR ORIENTATION OF ND147. G. A. WESTENBARGER AND D. A. SHIRLEY
 179 61 A VISIT TO SEVERAL HEALTH PHYSICS DEPARTMENTS IN WESTERN EUROPE AND TO THE SYMPOSIUM ON SELECTED TOPICS IN RADI
 432 61 S. MALKIN, A. R. QUINTON, L. SCHWARCZ, AND G. W. WHEELER
 235 61 N. MORWITZ, D. H. MILLER, J. J. MURRAY, AND P. G. WHITE
 411 61 LY, S. Y. FUNG, Y. L. PAN, W. M. POWELL AND H. S. WHITE
 439 61 LISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
 440 61 LISON, B. CORK, R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
 332 61 OF RAE, BI-210. S. S. ALPERT, E. LIPWORTH, M. B. WHITE, AND K. F. SMITH
 128 61 . S. C. BAKER, F. A. KIRSTEN, D. A. MACK, AND C. WIEGAND
 223 61 . CHAMBERLAIN, E. H. ROGERS, H. M. STEINER, C. E. WIEGAND, AND T. YPSILANTIS
 189 61 S ON COLOR CENTERS IN CRESTMORE BLUE CALCITE. A. WIERSEMA
 437-61 CLOTRON TARGETS AT THE 60-INCH CYCLOTRON. G. L. WIGLE, N. C. SPENCER, AND E. W. FLEISCHER
 453-61 MODES. A. W. DESILVA, W. S. COPPER III, AND J. M. WILCOX
 152 61 PROFILES. G. R. SPILLMAN, W. S. COOPER AND J. M. WILCOX
 110 61 N PLASMA. W. S. COOPER, A. W. DESILVA, AND J. M. WILCOX
 464 61 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
 465 61 3 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, AND W. S. COOPER
 452 61 2 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILCOX, A. W. DESILVA, W. S. COOPER, AND F. I. BOLEY
 111 61 ERATING A HIGHLY IONIZED HYDROGEN PLASMA. J. M. WILCOX, A. W. DESILVA, W. S. COOPER III, P. PELLISSIER AND W.
 455 61 ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 456 61 ON ALFVEN WAVE PROPAGATION. A. W. DESILVA, J. M. WILCOX, W. S. COOPER, AND F. I. BOLEY
 397 61 MEV PROTONS ON CARBON AND COPPER. G. IGO AND B. WILKINS
 292 61 LUMINUM BY THE ATTENUATION METHOD. G. IGO AND B. WILKINS
 430 61 TUDIES ON BEAM PROGRAMMING IN A CYCLOTRON. H. A. WILLAX
 018 61 TICS, DOSIMETRY AND BIOLOGICAL EVALUATION. H. S. WINCHELL
 134 61 THE VICINITY OF LARGE STRAY MAGNETIC FIELDS. A. WINDSOR
 351 61 LEAR MOMENTS OF AMERICIUM-242. R. MARRUS, AND J. WINOCUR
 311 61 , M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI
 328 61 , M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI
 381 61 , M. L. GOOD, W. GRAZIANO, H. K. TICHO, AND S. G. WOJCICKI
 281 61 ON PRODUCTION AT SIGMA, K-MESON THRESHOLD. S. E. WOLF, N. SCHMITZ, L. J. LLOYD, W. LASKER, F. S. CROWFORD, J. B
 296 61 BERGER, M. T. GRISARU, S. W. MACDOWELL, AND D. Y. WONG
 289 61 ERING AT 550, 600, 720, 900, AND 1020 MEV. C. D. WOOD, T. J. DEVLIN, J. A. HELLAND, M. J. LONGO, B. J. MOYER, A
 090 61 SPERSION IN PACKED GAS ABSORPTION COLUMNS. R. T. WORD
 072 61 OILING OF WATER IN UNIFORMLY HEATED TUBES. R. M. WRIGHT
 145 61 TIPLEX PULSE-HEIGHT RECORDER AND ANALYZER. A. A. WYDLER
 029 61 RL-9849 COMPARISON OF THE EFFECTS OF WHOLE BODY X- IRRADIATION AND FASTING ON THE PLASMA LIPIDS OF MICE. C. S
 107 61 4. SPECTROSCOPIC AND PHOTOCHEMICAL MEASUREMENTS. X-RAY DIFFRACTION. L. PAOLONI
 468 61 URY GROUP OF ELEMENTS, ELECTRON BINDING ENERGIES, X-RAY ENERGIES, AUGER ELECTRON ENERGIES, AND FLUORESCENT YIELD
 092 61 -9890 CORRESPONDING STATES THEORY FOR ARGON AND XENON. F. DANON AND K. S. PITZER
 409 61 THE REACTION NEGATIVE K- MESON PLUS PROTON YIELDS XI PLUS K-MESON AT 1.2 BEV/C. L. W. ALVAREZ, J. BUTTON, G. R.
 227 61 UCRL-9492 NEGATIVE XI PRODUCTION BY NEGATIVE K-MESONS. W. B. FOWLER, R. W. BIRGE,
 379 61 ONFIRMING THE T=ZERO THREE PION RESONANCE. N. H. XUONG AND G. R. LYNCH
 310 61 ONJUGATION INVARIANCE IN STRONG INTERACTIONS. N. XUONG, G. R. LYNCH, AND C. K. HINRICHS
 097 61 CRYSTAL STRUCTURE OF THE CARBON TETRABROMIDE PARA XYLENE COMPLEX. F. J. STRIETER AND D. TEMPLETON
 083 61 UCRL-9805 THE BIOCHEMICAL SYNTHESIS OF D-XYLULOSE AND L- RIBULOSE, DETAILS OF THE ACTION OF ACETOBACTER
 411 61 UCRL-9947-ABSTRACT PRODUCTION OF THE Y LAMBDA PION SYSTEM ON NEUTRONS IN CARBON. G. GIDAL, R. P. E
 368 61 UCRL-9812 ISOMERIC STATE IN Y-86. Y. E. KIM, D. J. HOREN, AND J. M. HOLLANDER
 018 61 HE LYMPHATIC SYSTEM USING INTERNALLY ADMINISTERED Y-90 DTPA, KINETICS, DOSIMETRY AND BIOLOGICAL EVALUATION. H.
 221 61 SPINS, HYPERFINE STRUCTURES, AND MOMENTS OF K-43, Y-90, LA-140, AND LU-177. F. R. PETERSEN
 095 61 OF LIQUID ISOBUTANE WITH PULSED ELECTRONS. B. Y. YAMAMOTO, A. F. SCIAMANNA, AND A. S. NEWTON
 013 61 EX BY IONIZING RADIATION. C. TOBIAS, J. LUCE, N. YANNI, T. BRUSTAD, J. LYMAN, AND S. KIMURA
 016 61 15 THE FINE STRUCTURE OF NORMALIZED IRRADIATED YEAST CELLS AND YEAST RIBOSOMES. J. K. KOEHLER
 016 61 TRUCTURE OF NORMALIZED IRRADIATED YEAST CELLS AND YEAST RIBOSOMES. J. K. KOEHLER
 174 61 OF UNIDIMENSIONAL WAVES IN MATERIALS WITH DELAYED YIELDING. V. S. LENSII AND L. N. FOMINA
 156 61 TRACT A LIQUID HYDROGEN CERENKOV COUNTER. C. M. YORK, J. A. KADYK, AND T. F. ZIFF
 392 61 ETIC PROPERTIES OF A CHARGED VECTOR MESON. J. A. YOUNG AND S. A. BLUDMAN
 342 61 RY IN WEAK INTERACTIONS. S. A. BLUDMAN AND J. A. YOUNG
 375 61 F CHARGED VECTOR MESONS. S. A. BLUDMAN AND J. A. YOUNG
 186 61 APPLIED TO LINEAR DIFFERENTIAL EQUATIONS. J. D. YOUNG
 265 61 R MESON INTERMEDIARY IN WEAK INTERACTIONS. J. A. YOUNG
 223 61 . H. ROGERS, H. M. STEINER, C. E. WIEGAND, AND T. YPSILANTIS
 320 61 PERFINE STRUCTURE, AND NUCLEAR MOMENTS OF 64-HOUR YTTRIUM-90. F. R. PETERSEN, AND AND H. A. SHUGART
 404 61 UCRL-9928-ABSTRACT THE NUCLEAR SPIN OF YTTRIUM-91. F. R. PETERSEN AND H. A. SHUGART
 439 61 , R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
 440 61 , R. M. RICHTER, J. F. SMITH, G. E. WHITE, AND E. ZAJEC
 036 61 ORDINATION. R. P. DODGE, D. H. TEMPLETON, AND A. ZALKIN
 066 61 DROGEN BONDING OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, D. H. TEMPLETON, AND H. W. RUBEN
 082 61 STAL STRUCTURE OF COBALT SULFATE HEXAHYDRATE. A. ZALKIN, H. RUBEN, AND D. H. TEMPLETON
 442 61 MULTIPLE CHARGED IONS. V. P. OMITRIEVSKII, B. T. ZAMOLODCHIKOV, AND V. V. KOLGA
 458 61 UCRL-9555-REV THE ABSORPTION SPECTRUM AND ZEEMAN EFFECT OF AM+3 IN LACL3. J. B. GRUBER, AND J. G. CONWA
 466 61 UCRL-9618-ABSTRACT ZEEMAN EFFECT OF THE TRANSITION TRIVALENT PLUTONIUM, 6-H-5/2 G
 335 61 . T. KERTH, P. G. MURPHY, W. A. WENZEL, AND T. F. ZIFF
 339 61 G. D. KEEFE, L. T. KERTH, W. A. WENZEL, AND T. F. ZIFF
 354 61 FL, L. T. KERTH, A. LEMONICK, T. MAUNG, AND T. F. ZIFF
 156 61 ENKOV COUNTER. C. M. YORK, J. A. KADYK, AND T. F. ZIFF
 027 61 CTIVITY IN THE BRAINS OF MAZE BRIGHT RATS. J. F. ZOLMAN AND H. MORIHOTO
 125 61 PROPERTIES OF A PLASMA IN A MAGNETIC FIELD. I. M. ZOLOTOBRUBOV, N. M. RYZHOV, I. P. SKOBLIK, ET AL
 479 61 UCRL-9790 SUPERCONDUCTIVITY OF Nb-25A/O ZR ALLOY IN HIGH DC MAGNETIC FIELDS. P. R. ARON, AND H. C. HI
 188 61 UCRL-9727 OPTIK, AN IBM 709 COMPUTER PROGRAM FOR THE OPTICS OF HIGH ENERGY PARTICLE BE

SECTION II
Report Number Index

200 61 UCRL-8030-REV DATA FOR ELEMENTARY PARTICLE PHYSICS. W. H. BA
 036 61 UCRL-8225-REV CRYSTAL STRUCTURE OF VANADYL BISACETYLACETONAT
 445 61 UCRL-8389 RELATIVISTIC SELF CONSISTENT CALCULATION FOR THE N
 162 61 UCRL-8733 COALESCENCE AND DISPERSION RATES IN AGITATED LIQUID
 201 61 UCRL-8792 HIGH VELOCITY RANGE AND ENERGY-LOSS MEASUREMENTS I
 202 61 UCRL-8966-REV 5-BEV NEUTRON CROSS SECTIONS IN HYDROGEN AND O
 037 61 UCRL-8972-REV NUCLEAR QUADRUPOLE RESONANCE IN TICL₄, THCL₄,
 126 61 UCRL-9035-REV CURRENT SWITCHING CIRCUITRY. J. G. SALVADOR AN
 038 61 UCRL-9039 SOME CHARACTERISTICS OF A STRONTIUM-90 BETA PARTIC
 183 61 UCRL-9099 REFERENCE MANUAL FOR KICK IBM PROGRAM. A. H. ROSE
 203 61 UCRL-9130-REV THE RB-85 - RB-86 HYPERFINE STRUCTURE ANOMALY.
 204 61 UCRL-9148 THE RADIOACTIVE DECAY OF THE ISOTOPES OF THE TRANS
 039 61 UCRL-9203 AN ANALYSIS OF THE ABSORPTION SPECTRA OF TM(IV) AN
 205 61 UCRL-9225 ATOMIC BEAM INVESTIGATIONS OF ELECTRONIC AND NUCLE
 420 61 UCRL-9231 AUTOMATIC SCANNING AND MEASURING OF BUBBLE CHAMBER
 127 61 UCRL-9270 A SOLID-STATE CHRONOTRON FOR DIGITIZING TIME DELAY
 128 61 UCRL-9271 AN ELECTRONIC DATA-ACQUISITION SYSTEM FOR USE WITH
 129 61 UCRL-9272 A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT FOR
 130 61 UCRL-9272-REV A TRANSISTOR COINCIDENCE DISCRIMINATOR CIRCUIT
 131 61 UCRL-9273 TEST ROUTINES AND MONITORING FOR A LARGE COUNTER E
 132 61 UCRL-9274 AN 1800-BIT BUFFER STORE AND READOUT SYSTEM. F. EV
 163 61 UCRL-9298-REV USE OF PYROELECTRIC DEVICES FOR MEASURING SMALL
 184 61 UCRL-9309 IBM PROGRAM GUTS. DETAILED DESCRIPTION AND FLOW.
 446 61 UCRL-9318 LECTURES ON SUPERCONDUCTIVITY BY ANDREW M. SESSLER
 206 61 UCRL-9322 MOMENTUM DEPENDENCE OF THE ASYMMETRY IN MUON DECAY
 040 61 UCRL-9332 OXIDATION POTENTIAL OF THE CE(III), CE(IV) COUPLE
 447 61 UCRL-9338 GRAVITATIONAL SHIFTS WITHOUT A PRINCIPLE OF EQUIVA
 429 61 UCRL-9343 INTERNATIONAL CONFERENCE ON INSTRUMENTATION FOR HI
 108 61 UCRL-9344 SOME CALCULATIONS ON TRIAX PINCH DEVICE. S. FISHER
 207 61 UCRL-9362 DIFFERENTIAL ELASTIC PION PROTON SCATTERING AT 600
 041 61 UCRL-9363-REV THE RADIOLYSIS OF BIACETYL VAPOR. G. J. MAINS,
 208 61 UCRL-9372 THE CROSS SECTIONS FOR THE FORMATION OF ASTATINE I
 042 61 UCRL-9373 STUDIES ON THE CARBOXYDISMUTASE SYSTEM AND RELATED
 209 61 UCRL-9386 NEGATIVE K-MESON, PROTON AND NEGATIVE K-MESON, NEU
 448 61 UCRL-9388 THERMAL PROPERTIES OF SOLID HYDROGEN UNDER PRESSUR
 210 61 UCRL-9390-REV ELECTRON TRIPLET PRODUCTION BY HIGH ENERGY PHO
 211 61 UCRL-9394 N-15(PROTON, PROTON TWO NEUTRONS)-13 REACTION IND
 212 61 UCRL-9400 A REVIEW OF SOURCE TECHNIQUES USED IN RADIOACTIVE
 213 61 UCRL-9402 PION-PION CORRELATION IN ANTI-PROTON- PROTON ANNIHI
 430 61 UCRL-9416 PRELIMINARY STUDIES ON BEAM PROGRAMMING IN A CYCLO
 431 61 UCRL-9418 BEVATRON OPERATION AND DEVELOPMENT. 26. W. D. HART
 001 61 UCRL-9419 A STUDY OF THE METABOLIC FATE OF THE RADIATION PRO
 179 61 UCRL-9422 A VISIT TO SEVERAL HEALTH PHYSICS DEPARTMENTS IN W
 133 61 UCRL-9436 LEAKAGE CURRENT IN SEMICONDUCTOR JUNCTION RADIATIO
 214 61 UCRL-9438 THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J. M.
 215 61 UCRL-9438-REV THE ENERGY LEVELS OF U-233. R. G. ALBRIDGE, J
 002 61 UCRL-9440 THE ORIGIN OF LIFE ON EARTH AND ELSEWHERE. 2. M. C
 449 61 UCRL-9441 LINKED DIAGRAM EXPANSION FOR THE EQUATION OF STATE
 216 61 UCRL-9442 PHOTOPROTONS PRODUCED BY 245 15 MEV GAMMA RAYS ON
 217 61 UCRL-9446 PARTICULATE RADIATION. ELECTRONS, PROTONS UP TO CA
 218 61 UCRL-9450 CHARGED SIGMA-HYPERON PRODUCTION AND DECAY. ENERGE
 219 61 UCRL-9452 NUCLEAR ORIENTATION OF PM-143. C. A. LOVEJOY, J.
 432 61 UCRL-9453 HEAVY ION LINEAR ACCELERATOR. E. L. HUBBARD, W. R
 003 61 UCRL-9454 EXPERIMENTAL SETUP AND DOSIMETRY FOR INVESTIGATING
 450 61 UCRL-9458 THE ISOTOPES OF THORIUM, PROTACTINIUM AND URANIUM.
 220 61 UCRL-9459 THE RADIO FREQUENCY EXCITATION OF THE HEAVY ION LI
 134 61 UCRL-9464 A NEW SATURABLE TRANSFORMER MEASURES DIRECT CURREN
 185 61 UCRL-9476 AUTOMATIC DATA PROCESSING PARTIAL PROCEEDINGS OF A
 451 61 UCRL-9479, UCRL-9704 PHYSICS DIVISION SEMIANNUAL REPORT.
 221 61 UCRL-9480 ATOMIC BEAM RESEARCH ON THE SPINS, HYPERFINE STRUC
 222 61 UCRL-9481 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 ME
 452 61 UCRL-9482 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILC
 135 61 UCRL-9483 A PAPER TAPE TO MAGNETIC TAPE CONVERTER. L. F. FLO
 164 61 UCRL-9487 ELECTRODE DAMAGE CAUSED BY SPARKS IN VACUUM. C. A.
 223 61 UCRL-9488 PION-POSITIVE, PROTON ELASTIC SCATTERING AT 310 ME
 224 61 UCRL-9489 S- AND P-WAVE INTERACTIONS OF NEGATIVE K-MESONS IN
 225 61 UCRL-9489-REV S- AND P-WAVE INTERACTIONS OF K- MESONS IN HYD
 043 61 UCRL-9490 PRODUCTION OF PYRAZINE DERIVATIVES IN THE RADIOLYS
 226 61 UCRL-9491 PHOTOMESON PRODUCTION FROM HYDROGEN AND DEUTERIUM.
 227 61 UCRL-9492 NEGATIVE XI PRODUCTION BY NEGATIVE K-MESONS. W. B.
 189 61 UCRL-9494 EXPERIMENTS ON COLOR CENTERS IN CRESTMORE BLUE CAL
 004 61 UCRL-9495 GENETIC INFLUENCES ON MATING BEHAVIOR IN DROSOPHIL
 005 61 UCRL-9495-REV GENETIC INFLUENCES ON MATING BEHAVIOR IN DROS
 453 61 UCRL-9496 ALFVEN WAVE REFLECTIONS AND PROPAGATION MODES. A.
 228 61 UCRL-9497 NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIVE PI
 229 61 UCRL-9497-REV NUCLEON AND NUCLEAR CROSS SECTIONS FOR POSITIV
 186 61 UCRL-9498 LINEAR PROGRAMMING APPLIED TO LINEAR DIFFERENTIAL
 044 61 UCRL-9499 GAS CHROMATOGRAPHIC ANALYSIS OF FATTY ACIDS FROM O
 109 61 UCRL-9500, UCRL-9598, UCRL-9777 CONTROLLED THERMONUCLEAR RES
 045 61 UCRL-9501 THE USE OF ELECTRIC DISCHARGES IN CHEMICAL SYNTHES
 190 61 UCRL-9502 SINGLE CRYSTAL TUNGSTEN RIBBON. F. L. REYNOLDS
 185 61 UCRL-9503 THE CROSS PRODUCT OF E AND B VECTORS DISCHARGE AS
 230 61 UCRL-9504 A THEORETICAL COMPARISON OF 4 PI FAST NEUTRON SPECT
 231 61 UCRL-9505 THE TWO NUCLEON STRIPPING REACTION. N. K. GLENDENN
 166 61 UCRL-9506 GLASS CATHODES IN VACUUM INSULATED HIGH-VOLTAGE SY
 232 61 UCRL-9508 NUCLEAR ORIENTATION OF DY-155 AND DY-157. Q. O. NA
 110 61 UCRL-9509 ION DENSITY MEASUREMENTS IN A DECAYING HYDROGEN PL
 233 61 UCRL-9510 A DYNAMICAL THEORY FOR STRONG INTERACTIONS AT LOW
 234 61 UCRL-9511 ALPHA DECAY STUDIES IN THE FAMILIES OF THE LIGHT U
 046 61 UCRL-9512 AN INTERFEROMETRIC STUDY OF ATOMIC MERCURY SPECTRA
 178 61 UCRL-9513 ENERGY RESPONSE AND PHYSICAL PROPERTIES OF EASTMAN
 235 61 UCRL-9514 INFLUENCE OF THE LAMBDA, PION RESONANCE ON CORRELA
 236 61 UCRL-9515 A UNIFIED DYNAMICAL APPROACH TO HIGH AND LOW ENER
 454 61 UCRL-9517 THE ADIABATIC MOTION OF CHARGED PARTICLES IN ELECT

006 61	UCRL-9518	BIO- RADIOLOGY IN SPACE AND IN THE LABORATORY. R.
007 61	UCRL-9519,	UCRL-9652, UCRL-9772 BIO ORGANIC CHEMISTRY QUARTE
175 61	UCRL-9520	LIST OF REPRINTS AVAILABLE IN THE TECHNICAL INFORM
047 61	UCRL-9521	FATTY ACID COMPOSITION OF MOUSE LIPIDS AND LIPOPRO
137 61	UCRL-9522	INSTRUMENTATION OF MULTICHANNEL COUNTING EXPERIMEN
136 61	UCRL-9522-ABSTRACT	INSTRUMENTS OF MULTI CHANNEL COUNTER EXPE
456 61	UCRL-9523	EXPERIMENTS ON ALFVEN WAVE PROPAGATION. A. W. DESI
455 61	UCRL-9523-ABSTRACT	EXPERIMENTS ON ALFVEN WAVE PROPAGATION.
237 61	UCRL-9524	DECAY-ENERGY SYSTEMATICS OF THE HEAVY ELEMENTS. I.
238 61	UCRL-9525	ALPHA, DEUTERON REACTIONS ON ODD-ODD TARGETS. J. C
239 61	UCRL-9526	ON THE IDENTIFICATION OF SPIN EQUALLING 3/2 RESONA
421 61	UCRL-9527	EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE DET
422 61	UCRL-9527-REV	EMULSION AND BUBBLE-CHAMBER STATISTICS FOR THE
111 61	UCRL-9528	A DEVICE FOR GENERATING A HIGHLY IONIZED HYDROGEN
139 61	UCRL-9529	ELECTRICAL LIMITATIONS TO ENERGY RESOLUTION IN SEM
138 61	UCRL-9529-ABSTRACT	ELECTRICAL LIMITATIONS TO ENERGY RESOLUTI
048 61	UCRL-9530-ABSTRACT	ISOMERIC CHEMICAL SHIFTS IN ODD PROTON NU
240 61	UCRL-9531	ANALYSIS OF THE A-3(X3)3 NUCLEAR SPIN SYSTEM PION-
241 61	UCRL-9532	NEUTRON-DEFICIENT IRIDIUM ISOTOPE. IR-182, IR-183
008 61	UCRL-9533	QUANTUM CONVERSION IN PHOTOSYNTHESIS. M. CALVIN
242 61	UCRL-9534	ISOMERIC CROSS-SECTION RATIO FOR THE ALPHA, PROTON
243 61	UCRL-9535	LOW-ENERGY PION-PION S-WAVE PHASE SHIFTS. B. R. DE
049 61	UCRL-9537	ANHARMONIC POTENTIAL CONSTANTS AND THEIR DEPENDENC
140 61	UCRL-9538	THICK JUNCTION RADIATION DETECTORS MADE BY ION DRI
244 61	UCRL-9539	PION PRODUCTION BY NEGATIVE PIONS. B. C. BARISH, R
245 61	UCRL-9540	FISSION OF URANIUM-238 WITH CARBON IONS. T. SIKKEL
246 61	UCRL-9541-ABSTRACT	NEUTRON-DEFICIENT ALPHA EMITTERS OF HOLMI
247 61	UCRL-9542-ABSTRACT	A REFINEMENT OF ALPHA DECAY BRANCHING REL
248 61	UCRL-9543	ANTI- K- MESON NUCLEON BOUND-STATE INTERPRETATION
249 61	UCRL-9544	TEST OF ISOTOPIIC SPIN CONSERVATION FROM AN EXPERIM
250 61	UCRL-9545-ABSTRACT	ROTATIONAL AND VIBRATIONAL LEVELS IN U-23
433 61	UCRL-9546, UCRL-9671, UCRL-9721	BEVATRON OPERATION AND DEVEL
251 61	UCRL-9547	A RESONANCE IN THE K- MESON, PION SYSTEM. M. ALSTO
252 61	UCRL-9548	PION-POSITIVE-OR-NEGATIVE, PROTON TOTAL CROSS SECT
253 61	UCRL-9548-REV	PION POSITIVE AND NEGATIVE- PION TOTAL CROSS S
423 61	UCRL-9549	VISUALIZING THE DISTRIBUTION OF GAMMA RAY AND POSI
254 61	UCRL-9551-ABSTRACT	NEGATIVE K- MESON INTERACTIONS IN HYDROGE
457 61	UCRL-9552-ABSTRACT	EXTENDED SHELL MODEL CALCULATIONS AND THE
255 61	UCRL-9553	KINEMATICS AND DISPERSION RELATIONS FOR GENERAL PR
256 61	UCRL-9554	RECOIL-FREE RESONANT ABSORPTION IN AU-197. D. A. S
458 61	UCRL-9555-REV	THE ABSORPTION SPECTRUM AND ZEEMAN EFFECT OF A
257 61	UCRL-9556-ABSTRACT	ABSORPTION OF NEGATIVE K-MESONS IN DEUTER
258 61	UCRL-9557-ABSTRACT	MOMENTUM DEPENDENCE OF THE ASYMMETRY IN M
259 61	UCRL-9558-ABSTRACT	LEPTONIC DECAYS OF HYPERONS. W. E. HUMPHR
260 61	UCRL-9558-REV-ABSTRACT	EVIDENCE FOR LOW RATES OF ELECTRONIC
459 61	UCRL-9559	STATISTICAL THEORY OF THE DIELECTRIC CONSTANT OF A
460 61	UCRL-9559-ADD	STATISTICAL THEORY OF THE DIELECTRIC CONSTANT
261 61	UCRL-9560-ABSTRACT	CHARGED PARTICLE SPECTRA FROM HEAVY ION B
263 61	UCRL-9561	THEORY OF PION- NUCLEON SCATTERING IN THE STRIP AP
262 61	UCRL-9561-ABSTRACT	THEORY OF PION, NUCLEON SCATTERING IN THE
264 61	UCRL-9562	NUCLEAR ORIENTATION OF ND147. G. A. WESTENBARGER A
265 61	UCRL-9563	TWO PROBLEMS OF STRUCTURE IN THE THEORY OF WEAK IN
266 61	UCRL-9564-ABSTRACT	CHARGE EXCHANGE PRODUCTION OF ANTINEUTRON
050 61	UCRL-9565	NUCLEAR MAGNETIC RESONANCE FLUORINE-FLUORINE COUPL
051 61	UCRL-9566	CHEMISTRY DIVISION ANNUAL REPORT, 1961.
434 61	UCRL-9567	LINEAR ION ACCELERATORS. E. L. HUBBARD
461 61	UCRL-9568	ORBITAL RADII, BOND LENGTH AND RESONANCE. G. R. SO
267 61	UCRL-9569	NUCLEAR ORIENTATION OF PARAMAGNETIC IMPURITY IONS.
268 61	UCRL-9570	SEARCH FOR POSITIVE PARTICLES OF MASSES ABOUT 500
052 61	UCRL-9571	STUDIES ON HUMAN SERUM PHOSPHOLIPIDS AND PHOSPHOLI
053 61	UCRL-9572	TEMPERATURE DEPENDENT CHEMICAL SHIFTS IN THE NUCLE
269 61	UCRL-9573-ABSTRACT	POSITIVE K-MESON, PROTON INTERACTIONS BEL
112 61	UCRL-9574	EFFECTS OF A MAGNETIC FIELD ON NATURAL CONVECTION
270 61	UCRL-9575	BREMSSTRAHLUNG. R. W. KENNEY
054 61	UCRL-9576	REACTIVE SCATTERING IN CROSSED MOLECULAR BEAMS. K
271 61	UCRL-9577	EXPERIMENTAL RESULTS ON THE PION-PION CROSS SECTIO
424 61	UCRL-9578	INFORMATION CONTENT OF PARTICLE TRACKS. W. H. BARK
191 61	UCRL-9579	INORGANIC MATERIALS DIVISION ANNUAL REPORT, 1960.
272 61	UCRL-9580	ON THE STRONG INTERACTIONS OF THE STRANGE PARTICLE
273 61	UCRL-9581	FINAL STATES OF THE ANTIPROTON PROTON SYSTEM. G. R
192 61	UCRL-9582	THE AGING CHARACTERISTICS OF ALUMINUM ALLOYS ELECT
055 61	UCRL-9584	AN ANALYSIS OF THE INFRARED ABSORPTION SPECTRUM OF
274 61	UCRL-9585	PION-PION INTERACTIONS. J. A. ANDERSON, V. X. BAN
056 61	UCRL-9586	THE INFRARED SPECTRA OF marginally METALLIC SYSTEM
275 61	UCRL-9587	PION- HYDROGEN RESONANCES. M. H. ALSTON AND M. FE
113 61	UCRL-9588	THE POSITIVE COLUMN IN A LONGITUDINAL MAGNETIC FIE
276 61	UCRL-9589	CHARGE EXCHANGE PRODUCTION OF ANTINEUTRON AND THEI
277 61	UCRL-9589-REV	CHARGE EXCHANGE PRODUCTION OF ANTINEUTRONS AND
057 61	UCRL-9590	BOND ENERGIES, VALENCE STATE ENERGIES AND RESONANC
009 61	UCRL-9592	THE LIPID SYNDROME IN MAMMALIAN RADIOBIOLOGY WITH
193 61	UCRL-9593	DISLOCATION SUBSTRUCTURES IN DEFORMED AND RECOVERE
278 61	UCRL-9594	ANGULAR DISTRIBUTION OF PROTONS FROM PION-PROTON S
279 61	UCRL-9595	INVESTIGATION OF NUCLEAR REACTIONS BY RECOIL STUDI
010 61	UCRL-9596-ABSTRACT	BIOLOGICAL EFFECTS OF HEAVY RADIATION PAR
280 61	UCRL-9597	A STUDY OF K-MESONS IN ANTIPROTON, PROTON ANNIHILA
109 61	UCRL-9598, UCRL-9777	CONTROLLED THERMONUCLEAR RESEARCH, QUAR
435 61	UCRL-9600	HEAVY ION ACCELERATORS. E. L. HUBBARD
114 61	UCRL-9601	EXPERIMENTAL STUDY OF HYDROMAGNETIC WAVES IN PLASM
462 61	UCRL-9602	THE ELECTRON SPIN RESONANCE ABSORPTION OF TWO SOLI
058 61	UCRL-9603	THE CHEMICAL INTERACTION OF ACCELERATED CARBON-14
281 61	UCRL-9604	THE CUSP IN LAMBDA, K-MESON PRODUCTION AT SIGMA, K
282 61	UCRL-9605	EVIDENCE FOR LOW RATES FOR BETA DECAY OF SIGMA-NEG
283 61	UCRL-9607	NEGATIVE PION- PROTON ELASTIC SCATTERING IN THE EN
284 61	UCRL-9608	MEASUREMENTS OF E2 DECAY TRANSITION INTERNAL CONVE

UCRL-9500,

463 61 UCRL-9608-REV MEASUREMENTS OF INTERNAL CONVERSION COEFFICIENT
 285 61 UCRL-9609 THE K- AND L- AUGER SPECTRUM OF URANIUM. R. G. ALB
 286 61 UCRL-9610 THE ELASTIC SCATTERING OF 24-MEV DEUTERONS. D. G.
 115 61 UCRL-9611-ABSTRACT PRODUCTION OF A HIGH TEMPERATURE ROTATING
 117 61 UCRL-9612 HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL AND R.
 116 61 UCRL-9612-ABSTRACT THE MAGNETIC SWITCH-ON IONIZING WAVE. R.
 119 61 UCRL-9612-REV HYDROMAGNETIC IONIZING WAVES. W. B. KUNKEL
 118 61 UCRL-9612-REV-ABSTRACT HYDROMAGNETIC IONIZING WAVES. R. A. G
 465 61 UCRL-9613 EXPERIMENTS ON ALFVEN WAVE PROPAGATION. J. M. WILC
 464 61 UCRL-9613-ABSTRACT EXPERIMENTS ON ALFVEN WAVE PROPAGATION.
 287 61 UCRL-9614 GENERATION OF THREE BODY PRODUCTION AND DECAY PROC
 059 61 UCRL-9615 HYDRIDES OF GERMANIUM, TIN, ARSENIC AND ANTIMONY.
 141 61 UCRL-9616-ABSTRACT PROPOSED METHOD FOR THE ENHANCEMENT OF OP
 011 61 UCRL-9617 BIOLOGY AND MEDICINE SEMI-ANNUAL REPORT.
 466 61 UCRL-9618-ABSTRACT ZEEMAN EFFECT OF THE TRANSITION TRIVALENT
 288 61 UCRL-9619 ANGULAR DISTRIBUTIONS FROM HEAVY ION INDUCED FISSI
 187 61 UCRL-9621 STATISTICAL METHODS IN HIGH-ENERGY PHYSICS. M. KRE
 289 61 UCRL-9622 PION-NEGATIVE, PROTON ELASTIC SCATTERING AT 550. 6
 290 61 UCRL-9623-ABSTRACT TOTAL CROSS SECTIONS FOR NEGATIVE PIONS O
 142 61 UCRL-9624 FAST PULSE AMPLITUDE DISCRIMINATORS. D. A. MACK
 291 61 UCRL-9625-ABSTRACT ANGULAR DISTRIBUTION IN THE PHOTODISINTEG
 292 61 UCRL-9628-ABSTRACT REACTION CROSS SECTION FOR 160 MEV O-16 I
 293 61 UCRL-9629-ABSTRACT QUASI ELASTIC SCATTERING OF 920 MEV ALPHA
 467 61 UCRL-9630 SOME PHYSICAL PROPERTIES OF THE VOLATILE HYDRIDES.
 294 61 UCRL-9631-ABSTRACT EFFECTS OF RESIDUAL INTERACTIONS IN SPECT
 436 61 UCRL-9632 CYCLOTRONS. B. H. SMITH
 295 61 UCRL-9633-ABSTRACT ATOMIC CORRELATION ENERGIES WITH APPLICAT
 296 61 UCRL-9634 THEORY OF LOW ENERGY NUCLEON NUCLEON SCATTERING.
 297 61 UCRL-9635-ABSTRACT ESTIMATE OF THE S WAVE SIGMA-NEGATIVE, NE
 298 61 UCRL-9636-ABSTRACT ANTIPROTON PROTON CROSS SECTIONS AT LOW E
 299 61 UCRL-9637-ABSTRACT EXPERIMENTAL LIMIT FOR SIGMA (DEUTERON PL
 425 61 UCRL-9638-ABSTRACT INFORMATION CONTENT OF PARTICLE TRACKS.
 300 61 UCRL-9639-ABSTRACT POLARIZATION AND CORRELATION TENSORS IN E
 301 61 UCRL-9640 THE PION-LAMBDA RESONANCE, THE LAMBDA-PION SYSTEM
 302 61 UCRL-9641-ABSTRACT THE NUCLEAR SPIN OF SCANDIUM-46. F. R. PE
 468 61 UCRL-9642 SOME USEFUL TABLES FOR NUCLEAR SPECTROSCOPY IN TR
 303 61 UCRL-9643-ABSTRACT THE NEGATIVE K MESON, PROTON INTERACTION
 304 61 UCRL-9644 BOSE STATISTICS AND LAMBDA, PION PRODUCTION AND DE
 305 61 UCRL-9645 THE NEW ELEMENT, LAWRENCIUM, ATOMIC NUMBER 103. A.
 143 61 UCRL-9646-ABSTRACT FEEDBACK EFFECTS OF EXTRINSIC COLLECTOR T
 194 61 UCRL-9647 MARTENSITE IN CU-12.0 PERCENT AL ALLOY. G. THOMAS
 469 61 UCRL-9648 THE MAGNETIC PROPERTIES OF DEFORMED NUCLEI. L. CHI
 306 61 UCRL-9650 HEAVY ION ELASTIC SCATTERING. J. ALSTER
 180 61 UCRL-9651 PORTABLE ALPHA SURVEY INSTRUMENT. W. J. ROACH AND
 007 61 UCRL-9652, UCRL-9772, UCRL-9772 BIO ORGANIC CHEMISTRY QUARTERLY REPORT.
 060 61 UCRL-9654 ABSORPTION AND SELF LUMINESCENCE SPECTRA OF TRIVAL
 061 61 UCRL-9655-ABSTRACT EFFECTS OF N-ACYL SUBSTITUTION ON RADIATI
 307 61 UCRL-9656 LOW ENERGY PION PHOTON INTERACTION, THE 2 PION, 2
 167 61 UCRL-9657 THE WATER SHIELDED CAVE FACILITY FOR TOTALLY ENCLOS
 062 61 UCRL-9659 CLOSE CAPTURE ADSORPTION SYSTEM FOR REMOTE RADIO-
 181 61 UCRL-9660 REMOTE PLASTIC BAG PASSOUT UNIT FOR HIGH LEVEL RAD
 144 61 UCRL-9662 FORCE MULTIPLIER FOR USE WITH MASTER SLAVES. L. E.
 437 61 UCRL-9663 DISMANTLING ENCLOSURE FOR EXTERNAL CYCLOTRON TARGE
 470 61 UCRL-9667-ABSTRACT EQUILIBRIUM ELECTRONIC CHARGE DISTRIBUTIO
 471 61 UCRL-9668 FRAMES AND LORENTZ INVARIANCE IN GENERAL RELATIVIT
 308 61 UCRL-9669-ABSTRACT SCATTERING OF ELECTRONS BY ATOMIC HYDROGE
 309 61 UCRL-9670 CHARGE ASYMMETRIES IN THE ANGULAR DISTRIBUTION OF
 433 61 UCRL-9671, UCRL-9721, UCRL-9721 BEVATRON OPERATION AND DEVELOPMENT 27-2
 472 61 UCRL-9672 A SENSITIVE DIFFERENTIAL PRESSURE SYSTEM FOR MEASU
 310 61 UCRL-9673 ANTIPROTON PROTON INELASTIC INTERACTIONS AT 1.61 B
 311 61 UCRL-9675 THE SIGMA/ LAMBDA BRANCHING RATIO OF THE LAMBDA-P
 012 61 UCRL-9676-ABSTRACT TEMPERATURE SHOCK AND CROSSING OVER IN FE
 312 61 UCRL-9677 ON THE ABSENCE OF MUON- ELECTRON CONVERSION PROCES
 313 61 UCRL-9678-ABSTRACT LOW-LYING LEVELS IN SEVERAL TRANSURANIC A
 314 61 UCRL-9679 CLEBSCH GORDAN COEFFICIENTS FOR NUCLEAR TRANSITION
 315 61 UCRL-9680-ABSTRACT TEST OF CHARGE SYMMETRY OF K-POSITIVE AND
 013 61 UCRL-9681 STIMULATION OF THE CORNEAL BLINKING REFLEX BY IONI
 120 61 UCRL-9682 MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN IN
 121 61 UCRL-9682-REV MACROSCOPIC INSTABILITY OF THE POSITIVE COLUMN
 316 61 UCRL-9683 EJECTION OF LARGE FRAGMENTS IN HIGH ENERGY NUCLEAR
 317 61 UCRL-9685 THE ROLE OF THE POTENTIAL AND UNSTABLE IN THE S-MA
 318 61 UCRL-9686 EVIDENCE FOR A T ZERO RESONANCE IN THE SIGMA PION
 014 61 UCRL-9688 PREPARATION OF BIOLOGICAL MATERIAL FOR RADIOAUTOGRA
 319 61 UCRL-9689 DECAY MEASUREMENTS IN EMULSION ON PARTICLES OF NEG
 320 61 UCRL-9690 NUCLEAR SPIN, HYPERFINE STRUCTURE, AND NUCLEAR MOM
 321 61 UCRL-9691 CHARGE EXCHANGE SCATTERING OF POSITIVE K- MESONS O
 426 61 UCRL-9692 THE GRAIN DENSITY OF EMULSION TRACKS. J. W. PATRIC
 322 61 UCRL-9693 SIGMA DECAY MODES OF THE PION HYPERON RESONANCES.
 063 61 UCRL-9694 TABLE OF VIBRATIONAL FORCE CONSTANTS. D. R. HERSC
 473 61 UCRL-9695 CRYSTAL STRUCTURE AND PHYSICAL PROPERTIES OF AMERI
 474 61 UCRL-9697 ELEMENTARY DERIVATION OF THE DIELECTRIC CONSTA
 015 61 UCRL-9698-ABSTRACT COMPARISON OF CHEMICAL ACTIONS OF ION...
 064 61 UCRL-9699 CARRIER FREE SEPARATION OF HAFNIUM FROM RARE EARTH
 065 61 UCRL-9700 INTERPRETATION OF THE INSOMERIC CHEMICAL SHIFTS IN
 475 61 UCRL-9701 THE S-MATRIX THEORY OF STRONG INTERACTIONS. G. F.
 066 61 UCRL-9702-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF
 067 61 UCRL-9703-ABSTRACT CRYSTAL STRUCTURE AND HYDROGEN BONDING OF
 451 61 UCRL-9479, UCRL-9704 PHYSICS DIVISION SEMI-ANNUAL REPORT.
 068 61 UCRL-9705 CRYSTAL STRUCTURE OF PROPIONIC ACID. F. J. STRIETE
 323 61 UCRL-9706 ON THE GENTLE ART OF HUNTING BUMPS IN THE PION HYP
 438 61 UCRL-9707 STUDIES AT BERKELEY AND MURA ON FUTURE HIGH ENERGY
 324 61 UCRL-9708 THE K- MESON NUCLEON INTERACTION. L. T. KERTH
 069 61 UCRL-9709 THE PREPARATION OF SOME GERMANIUM HYDRIDES. J. E.
 325 61 UCRL-9710 SCATTERING OF 915 MEV ALPHA PARTICLES FROM CARBON

326 61	UCRL-9712	AN EXPERIMENTAL DETERMINATION OF THE NEUTRAL K-1 M
327 61	UCRL-9714	TWO NUCLEON TRANSFER REACTIONS IN THE LIGHT ELEMEN
016 61	UCRL-9715	THE FINE STRUCTURE OF NORMALIZED IRRADIATED YEAST
328 61	UCRL-9717	A STUDY OF RESONANCES OF THE SIGMA-PION SYSTEM. M.
017 61	UCRL-9718	METABOLIC STUDIES WITH FE-59, CA-47, AND C-11 IN V
329 61	UCRL-9719	THE ANOMALY IN MESON PRODUCTION IN PROTON, DEUTERO
145 61	UCRL-9720	A MULTIPLEX PULSE-HEIGHT RECORDER AND ANALYZER. A
433 61	UCRL-9721	BEVATRON OPERATION AND DEVELOPMENT 27-29. W. D. H
070 61	UCRL-9722	CHARGE TRANSFER ASSOCIATION AND PARAMAGNETISM OF S
476 61	UCRL-9723	THE HEAT CAPACITY OF SILVER OXIDE AT LOW TEMPERATU
330 61	UCRL-9724	EFFECTS OF ANGULAR MOMENTUM ON GAMMA-RAY PRODUCTIO
071 61	UCRL-9725	RADIOLYTIC REACTIONS OF THE CYCLIC DIPEPTIDES IN A
147 61	UCRL-9726	A PULSED NANOSECOND LIGHT SOURCE. T. G. INNES AND
146 61	UCRL-9726-ABSTRACT	A TRIGGERED NANOSECOND PULSED LIGHT SOURCE
188 61	UCRL-9727	OPTIK, AN IBM 709 COMPUTER PROGRAM FOR THE OPTICS
331 61	UCRL-9728	A UNIFIED DYNAMICAL APPROACH TO HIGH- AND LOW-ENER
332 61	UCRL-9729	HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF RAE, BI
333 61	UCRL-9730	THE EFFECT OF PAIR INTERACTION ON NUCLEAR MATTER.
334 61	UCRL-9731	THE DECAY OF HF-173. J. VALENTIN, D. J. HOREN, AN
335 61	UCRL-9732	TOTAL CROSS SECTION MEASUREMENTS OF POSITIVE K-MES
336 61	UCRL-9733	NUCLEAR MAGNETIC RESONANCE STUDIES, PART 1. H-1 TE
337 61	UCRL-9734	PRODUCTION OF PION PAIRS BY A PHOTON IN THE COULOM
338 61	UCRL-9735	NEGATIVE K- MESON INTERACTION IN DEUTERIUM. D. DAH
339 61	UCRL-9736	THE NEGATIVE K- MESON, PROTON AND NEUTRON INTERACT
427 61	UCRL-9738	ANTIPROTON EXPERIMENTS IN A HYDROGEN BUBBLE CHAMBE
340 61	UCRL-9739	K- MESON INTERACTIONS, EXPERIMENTAL. D. MILLER
341 61	UCRL-9740	THE PION-PION INTERACTION. G. F. CHEW
342 61	UCRL-9741	ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MES
343 61	UCRL-9742	RECENT EXPERIMENTS ON THE ANTINUCLEON NUCLEON INTE
439 61	UCRL-9743	DEVELOPMENT OF A 100-MA PROTON BEAM SOURCE AND LENS
440 61	UCRL-9743-REV	DEVELOPMENT OF A 100-MA PROTON SOURCE AND LENS
072 61	UCRL-9744	DOWNFLOW FORCED CONVECTION BOILING OF WATER IN UNI
344 61	UCRL-9745	THE POSITIVE K-MESON, PROTON INTERACTION AT 455-ME
073 61	UCRL-9746	CRYSTAL STRUCTURE OF BUTYRIC ACID. F. J. STRIETER
477 61	UCRL-9747	NUCLEAR ORIENTATION OF SOME RARE-EARTH ISOTOPES.
074 61	UCRL-9748	A COMPUTER ANALYSIS FOR COMPLEX SODIUM IODIDE GAMM
345 61	UCRL-9749	ELASTIC AND CHARGE EXCHANGE SCATTERING OF K-MESONS
346 61	UCRL-9750-ABSTRACT	LAMBDA- PROTON INTERACTIONS BETWEEN TWO AN
347 61	UCRL-9751	MOMENTUM TRANSFER IN HEAVY ION INDUCED FISSION. T
348 61	UCRL-9752	HYPERON PRODUCTION BY NEGATIVE K-MESONS INCIDENT O
349 61	UCRL-9753	THEORY OF ODD-MASS ELLIPSOIDAL NUCLEI. L. W. PERS
350 61	UCRL-9754	PROMPT FISSION YIELDS AND TOTAL KINETIC ENERGY BEH
018 61	UCRL-9755	SELECTIVE BETA IRRADIATION OF THE LYMPHATIC SYSTEM
351 61	UCRL-9757	HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF AMERICI
352 61	UCRL-9758	THE ALPHA DECAY SCHEME OF 152 YEAR AM-242M. F. ASA
353 61	UCRL-9760	ON THE SPEED OF REACTIONS AT HIGH PRESSURES. E. TE
354 61	UCRL-9762	MEASUREMENT OF TOTAL CROSS SECTIONS OF NEGATIVE K-
478 61	UCRL-9763	DISSOCIATION OF POSITIVE H-2 IONS BY A MAGNETIC FI
355 61	UCRL-9764	SCATTERING IN THE K=0 BAND OF ODD-ODD DEFORMED NUC
148 61	UCRL-9765	AN ALPHA AIR PROPORTIONAL HAND AND FOOT COUNTER.
149 61	UCRL-9767	A LOW SPEED SWINGING BUCKET ULTRACENTRIFUGAL ROTOR
356 61	UCRL-9768	PULSED NEUTRON EXPERIMENTS IN THE STUDENT LABORATO
441 61	UCRL-9769	EVALUATION OF SHIELDING REQUIRED FOR THE IMPROVED
019 61	UCRL-9770	EFFECTS OF ENVIRONMENTAL COMPLEXITY AND TRAINING O
007 61	UCRL-9772	BIO ORGANIC CHEMISTRY QUARTERLY REPORT.
075 61	UCRL-9773	STUDY OF THE NEAR ULTRAVIOLET SPECTRUM OF MAGNESIU
357 61	UCRL-9774	THE NUCLEAR SPIN OF NEODYMIUM-141. S. S. ALPERT,
076 61	UCRL-9775	THE VOLUMETRIC AND THERMODYNAMIC PROPERTIES OF FLU
358 61	UCRL-9776	THE EMISSION SPECTRUM OF CALIFORNIUM. J. G. CONWA
109 61	UCRL-9777	CONTROLLED THERMONUCLEAR RESEARCH, QUARTERLY REPOR
359 61	UCRL-9779	LOW-LYING LEVELS IN CERTAIN ACTINIDE ATOMS. B. R.
360 61	UCRL-9780	ENERGY LEVELS OF LU-172(71 PROTONS, 101 NEUTRONS).
176 61	UCRL-9781	LIST OF REPRINTS AVAILABLE IN THE TECHNICAL INFORM
168 61	UCRL-9782	A HYPOTHESIS CONCERNING LIMITATIONS OF DIFFUSION P
020 61	UCRL-9783	FERTILIZATION IN D MELANOGASTER AND D VIRILIS. P.
021 61	UCRL-9784	EVOLUTION OF PHOTOSYNTHETIC MECHANISMS. M. CALVIN
077 61	UCRL-9785	MEASUREMENT OF INDEX OF REFRACTION AND DIELECTRIC
078 61	UCRL-9786	THE MICROWAVE SPECTRUM AND QUADRUPOLE INTERACTION
361 61	UCRL-9788	NUCLEAR ORIENTATION OF TB-156. C. A. LOVEJOY, AND
362 61	UCRL-9789	RESPONSE OF THE OAK RIDGE CRITICALITY FISSION FOIL
479 61	UCRL-9790	SUPERCONDUCTIVITY OF NB-25A/O ZR ALLOY IN HIGH DC
150 61	UCRL-9791	THE SIDEBAND TECHNIQUE IN A VARIABLE FREQUENCY NUC
480 61	UCRL-9792	ON CHARGE CONJUGATION. K. M. CASE
079 61	UCRL-9793	SEMIEMPIRICAL CORRELATION OF BETA POSITIVE ANNIHIL
481 61	UCRL-9794	STRONG FIELD STARK EFFECT. J. A. HOWE, AND W. H.
080 61	UCRL-9795	THE PHOTOIONIZATION OF NITRIC OXIDE. J. P. DOERIN
363 61	UCRL-9798	ANALYSIS OF 1347 NEGATIVE-PION DECAYS. M. FERRO-L
022 61	UCRL-9799	BIOELECTRIC EFFECTS OF HIGH ENERGY IRRADIATION ON
482 61	UCRL-9800	TWO FOLK LEMMAS ON THE EXPANSION OF THE S-MATRIX O
081 61	UCRL-9801	CHEMICAL REACTIONS IN CROSSED MOLECULAR BEAMS. D.
082 61	UCRL-9802	THE CRYSTAL STRUCTURE OF COBALT SULFATE HEXAHYDRAT
364 61	UCRL-9803	THE GIANT E1 RESONANCE FOR DEFORMED NUCLEI. S. G.
483 61	UCRL-9804	DERIVATION OF THE CPT THEOREM AND THE CONNECTION B
083 61	UCRL-9805	THE BIOCHEMICAL SYNTHESIS OF D-XYLULOSE AND L-RI
084 61	UCRL-9806	TRACER STUDIES IN HYDROGEN ADAPTED SCENEDESUSM US
169 61	UCRL-9807	CALIBRATION OF BRIDGMAN ANVILS, A PRESSURE SCALE I
195 61	UCRL-9808	PRESSURE TEMPERATURE RESISTANCE PROPERTIES OF LANT
365 61	UCRL-9809	ELECTRON TRACK COUNTING FOR BETA SPECTROSCOPY. K.
366 61	UCRL-9810	EVIDENCE FOR A T=0 THREE PION RESONANCE. B. STEVE
367 61	UCRL-9811	CAN MASSLESS PARTICLES BE CHARGED. K. M. CASE AND
368 61	UCRL-9812	ISOMERIC STATE IN Y-86. Y. E. KIM, D. J. HOREN, A
023 61	UCRL-9813	RADIATION INDUCED OXIDATION OF PROTEIN IN AQUEOUS
151 61	UCRL-9816	MODEL-6 LINEAR AMPLIFIER SYSTEM AND PREAMPLIFIER.
085 61	UCRL-9817	SIMPLE MOLECULAR ORBITAL THEORY OF THE DICHLOROETH

484 61 UCRL-9818-ABSTRACT ELECTRON DRIFT AND DIFFUSION MEASUREMENTS
 369 61 UCRL-9819 RECENT SUPERCONDUCTIVITY TESTS AND STUDIES. P. R.
 370 61 UCRL-9820 ASYMMETRY PARAMETERS IN THE DECAYS POSITIVE SIGMA
 086 61 UCRL-9821 KINETICS OF THE OXIDATION OF MAGNESIUM FLUORIDE.
 371 61 UCRL-9822 STOPPING OF CF-252 FISSION FRAGMENTS IN EMULSION.
 024 61 UCRL-9823 ELECTRON PARAMAGNETIC RESONANCE IN BIOLOGY. G. M.
 170 61 UCRL-9824 FABRICATING LIQUID HYDROGEN TARGETS FROM MYLAR. D
 025 61 UCRL-9825 THE METABOLISM OF C-14 RIBULOSE DIPHOSPHATE BY SPI
 026 61 UCRL-9826 RELATIONS BETWEEN BRAIN CHEMISTRY AND PROBLEM SOLV
 027 61 UCRL-9827 EFFECTS OF AGE OF TRAINING ON CHOLINESTERASE ACTIV
 196 61 UCRL-9828 SHEET METAL CAN FURNACE. R. C. DOYLE AND W. D. PH
 372 61 UCRL-9830 ENERGY LEVELS OF ER(2). B. R. JUDD AND L. C. MARQ
 028 61 UCRL-9831 EXPERIMENTAL AND TISSUE VARIATION IN TRACER STUDIE
 087 61 UCRL-9832 THE REACTION OF ALDOXIMES WITH ALKALI. H. RAPOPORT
 373 61 UCRL-9834 A SHAPE INDEPENDENT APPROACH TO MODERATELY HIGH EN
 374 61 UCRL-9836 DECAY OF NEUTRAL PIONS. H. SHWE, F. M. SMITH, AND
 375 61 UCRL-9837 ELECTROMAGNETIC PRODUCTION OF CHARGED VECTOR MESON
 171 61 UCRL-9839 A DIFFUSE REFLECTION COATING FOR USE WITH CERENKOV
 088 61 UCRL-9840 THERMODYNAMIC PROPERTIES OF GASEOUS METAL DIHALIDE
 089 61 UCRL-9842 HYDROBORATE CHEMISTRY. R. MESMER
 152 61 UCRL-9843 NINE CHANNEL POLYCHROMATOR FOR OBSERVATION OF TIME
 090 61 UCRL-9844 LONGITUDINAL DISPERSION IN PACKED GAS ABSORPTION C
 091 61 UCRL-9848 DISTRIBUTION OF RADIOACTIVITY IN MORPHINE FROM BIO
 029 61 UCRL-9849 COMPARISON OF THE EFFECTS OF WHOLE BODY X- IRRADIA
 376 61 UCRL-9851-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF FRANCO
 377 61 UCRL-9852-ABSTRACT NEUTRON DEFICIENT ALPHA EMITTERS OF ER
 153 61 UCRL-9853 A SIMPLE, TRANSISTORIZED BETA-GAMA HAND AND SHOE M
 122 61 UCRL-9854-ABSTRACT HYDROMAGNETIC IONIZING FRONTS. W. B. KUN
 378 61 UCRL-9856 SPIN AND PARITY OF THE OMEGA MESON. M. L. STEVENS
 379 61 UCRL-9857 EVIDENCE CONFIRMING THE T-ZERO THREE PION RESONANC
 380 61 UCRL-9858 THE POSITIVE K- MESON, DEUTERON CHARGE EXCHANGE RE
 381 61 UCRL-9859-ABSTRACT NEGATIVE K- MESON PLUS PROTON INTERACTION
 154 61 UCRL-9861 A FAST NEUTRON ACTIVATION DETECTOR FOR 14-MEV PULS
 030 61 UCRL-9862 RED CELL MASS AND LIFE SPAN IN THE RAT DURING PERI
 382 61 UCRL-9863 A SELF CONSISTENT MODEL FOR NONLEPTONIC DECAYS OF
 383 61 UCRL-9864 MU CAPTURE WITH SIX NUCLEON FORM FACTORS. J. B. AD
 384 61 UCRL-9866 A NEW DETERMINATION OF THE POSITIVE K- MESON DECAY
 385 61 UCRL-9867 INTERACTIONS OF LAMBDA S WITH PROTONS. G. ALEXANDE
 386 61 UCRL-9868 DOUBLE TENSOR OPERATORS FOR CONFIGURATION OF EQUIV
 387 61 UCRL-9869 NUCLEAR SPIN, HYPERFINE STRUCTURE AND NUCLEAR MOME
 388 61 UCRL-9870 AN ALPHA EMITTING ISOMERIC STATE OF TB-149. R. D.
 155 61 UCRL-9877 ON THE PENETRATION EFFECT IN ELECTRIC DIPOLE INTER
 389 61 UCRL-9878-ABSTRACT ANALYSIS OF THE TWO NUCLEON STRIPPING REA
 390 61 UCRL-9879 NUCLEAR SPIN OF GALLIUM-70. V. J. EHLERS, W. A. N
 391 61 UCRL-9883 FISSION ENERGY TABLES. J. C. D. MILTON
 485 61 UCRL-9885 A THEORETICAL CONSIDERATION OF ASYMMETRIC HEAT FLOW
 392 61 UCRL-9889 ELECTROMAGNETIC PROPERTIES OF A CHARGED VECTOR MES
 092 61 UCRL-9890 CORRESPONDING STATES THEORY FOR ARGON AND XENON.
 393 61 UCRL-9892 EXPERIMENTAL STUDY OF THE K- MESON YIELDS POSITRON
 093 61 UCRL-9893 CRYSTAL AND MOLECULAR STRUCTURE OF TRIETHYLSCARPHA
 394 61 UCRL-9894-ABSTRACT SINGLE PION PRODUCTION IN NEGATIVE PION P
 395 61 UCRL-9895-ABSTRACT NUCLEAR FISSION INDUCED BY RADIATIONLESS
 123 61 UCRL-9899-ABSTRACT A HOLLOW CATHODE STRONTIUM PLASMA SOURCE.
 156 61 UCRL-9901-ABSTRACT A LIQUID HYDROGEN CERENKOV COUNTER. C. M.
 396 61 UCRL-9902-ABSTRACT PHOTOPRODUCTION OF POSITIVE-PION IN HYDRO
 031 61 UCRL-9903 ON PH EFFECTS IN THE RADIOLYSIS OF AQUO- ORGANIC S
 397 61 UCRL-9906-ABSTRACT NUCLEAR REACTION CROSS SECTIONS FOR 10.3 M
 094 61 UCRL-9908-ABSTRACT ACTIVATION ANALYSIS FOR OXYGEN AND OTHER
 398 61 UCRL-9909-ABSTRACT MEASUREMENT OF GAMMA RAY SPECTRA WITH GOD
 399 61 UCRL-9910-ABSTRACT NEUTRAL MESON PRODUCTION IN PROTON- PROTO
 400 61 UCRL-9914-ABSTRACT PION-PION CORRELATION IN TAU DECAY. T. A.
 401 61 UCRL-9915-ABSTRACT PION-PION CORRELATIONS IN ANTI-PROTON, PRO
 486 61 UCRL-9920-ABSTRACT COLOR PRODUCTION FROM ENERGETIC IONS IMPI
 487 61 UCRL-9922 GEOMETRIC FOUNDATIONS OF CONTINUUM MECHANICS. J. A
 095 61 UCRL-9924 THE RADIOLYSIS OF LIQUID ISOBUTANE WITH PULSED ELE
 402 61 UCRL-9926-ABSTRACT NUCLEAR SPIN OF AG-112. W. B. EWBANK, Y.
 403 61 UCRL-9927-ABSTRACT NUCLEAR SPIN OF ISOMERIC AU-196. Y. W. CH
 404 61 UCRL-9928-ABSTRACT THE NUCLEAR SPIN OF YTTRIUM-91. F. R. PET
 405 61 UCRL-9929-ABSTRACT NUCLEAR SPIN OF HOLMIUM-161. B. BUDICK AN
 096 61 UCRL-9934 PRIMORDIAL ORGANIC CHEMISTRY. I. COMPOUNDS RESULTI
 406 61 UCRL-9935-ABSTRACT S-WAVE PION-PION INTERACTIONS IN THE I =
 124 61 UCRL-9936-ABSTRACT HYDROMAGNETIC IONIZING WAVES. W. B. KUNKE
 407 61 UCRL-9940-ABSTRACT STUDY OF THE REACTION POSITIVE PION PLUS
 408 61 UCRL-9942-ABSTRACT HYPERFINE STRUCTURE OF PM-147. B. BUDICK
 409 61 UCRL-9943-ABSTRACT CASCADE HYPERONS IN THE REACTION NEGATIVE
 410 61 UCRL-9945-ABSTRACT S-WAVE ZERO EFFECTIVE RANGE PARAMETERS FO
 411 61 UCRL-9947-ABSTRACT PRODUCTION OF THE Y LAMBDA PION SYSTEM ON
 412 61 UCRL-9948-ABSTRACT AN EXCITED HYPERON OF MASS 1520-MEV. R. D
 413 61 UCRL-9949-ABSTRACT HYPERFINE STRUCTURE AND NUCLEAR MOMENTS O
 097 61 UCRL-9955 CRYSTAL STRUCTURE OF THE CARBON TETRABROMIDE PARA
 032 61 UCRL-9958 A PORTABLE DEVICE FOR CONSTANT INFUSION OF THE AMB
 098 61 UCRL-9973-ABSTRACT CALCULATION OF INTEGRAL AND PARTIAL THERM
 157 61 UCRL-9976-ABSTRACT TIME RESOLUTION OF A SCINTILLATION COUNT.
 158 61 UCRL-9980-ABSTRACT PHOTOMULTIPLIER SINGLE ELECTRON STATISTIC
 177 61 UCRL-12000-VOL.3 NO-24 UNCLASSIFIED REPORTS RECEIVED AND ISS
 172 61 UCRL-TRANS-677 ON THE PROBLEM OF HEAT EXCHANGE DURING LIQUID
 099 61 UCRL-TRANS-679 THE KINETICS OF THE SAPONIFICATION OF DIALKYL
 100 61 UCRL-TRANS-680 THE KINETICS OF THE SAPONIFICATION OF DIALKYL
 033 61 UCRL-TRANS-682 RADIOMETER FOR MEASURING IODINE-131 IN THE HU
 488 61 UCRL-TRANS-683 STUDY OF THE STABILITY OF A HIGH CURRENT DISC
 414 61 UCRL-TRANS-684 COMPLETE TOTAL SCATTER CROSS SECTIONS OF FAST
 442 61 UCRL-TRANS-685 A CYCLOTRON WITH AN ALTERNATING MAGNETIC FIEL
 125 61 UCRL-TRANS-686 INVESTIGATION OF THE PROPERTIES OF A PLASMA I
 415 61 UCRL-TRANS-687 THEORY OF THE DIFFUSION OF THERMAL NEUTRONS T

416 61	UCRL-TRANS-688	MEASUREMENT OF ENERGY DEPENDENCE OF THE CROSS
428 61	UCRL-TRANS-689	SCINTILLATION DETECTOR OF FAST NEUTRONS. L. I
443 61	UCRL-TRANS-690	A NEW SCHEME FOR EXTRACTION OF PARTICLES FROM
417 61	UCRL-TRANS-692	THE MASS SPECTRUM OF THE UNCHARGED FRAGMENTS
034 61	UCRL-TRANS-693	LIGHT-INDUCED ELECTRON SPIN RESONANCE (SIGNAL
101 61	UCRL-TRANS-694	STUDY OF HEAT EXCHANGE IN THE BOILING OF WATER
035 61	UCRL-TRANS-695	A POSSIBLE EXPLANATION OF ANOMALIES IN BIOLOG
102 61	UCRL-TRANS-696	CONCENTRATION DEPENDENCE OF ACTIVITY OF FERRE
489 61	UCRL-TRANS-697	CLASSICAL GAUGE INVARIANCES OF QUANTIC ELECTR
418 61	UCRL-TRANS-702	SEARCH FOR ANOMALIES IN THE ENERGY DEPENDENCE
159 61	UCRL-TRANS-704	A PORTABLE NEUTRON GENERATING TUBE USING ION
173 61	UCRL-TRANS-705	NEUTRON GENERATORS. V. I. STRIJAK AND N. S.
197 61	UCRL-TRANS-706	DISSOCIATION ENERGIES OF OXIDES OF MAGNESIUM,
103 61	UCRL-TRANS-707	ON THE BASIC ELECTRON STATE OF OXIDES OF MOLE
104 61	UCRL-TRANS-708	ON THE DISSOCIATION ENERGIES OF MOLECULES OF
490 61	UCRL-TRANS-710	THE MEASUREMENT OF EXTREMELY SHORT DISSOCIATI
198 61	UCRL-TRANS-711	THE SHAPE OF PARTICLES DURING PRECIPITATION O
199 61	UCRL-TRANS-712	ON THE SHAPE OF PARTICLES DURING PRECIPITATIO
160 61	UCRL-TRANS-724	POSSIBILITIES AND LIMITATIONS OF TELEVISION M
174 61	UCRL-TRANS-729	PROPAGATION OF UNIDIMENSIONAL WAVES IN MATERI
161 61	UCRL-TRANS-733	DIFFRACTION LIGHT MODULATOR. A. M. BONCH-BRU
491 61	UCRL-TRANS-734	SOME PROBLEMS OF PHASE MEASUREMENTS. A. M. B
105 61	UCRL-TRANS-737	INCORPORATION OF D-18 FROM HEAVY OXYGEN WATER
182 61	UCRL-TRANS-738	RADIOACTIVITY IN THE ATMOSPHERE, THE PERCENTA
106 61	UCRL-TRANS-739	CHARACTERISTICS OF FLUIDIZED PARTICLES, 2. EX
107 61	UCRL-TRANS-741	ON SOLUTIONS OF THE ALKALI METALS IN LIQUID AM
419 61	UCRL-TRANS-742	NUCLEAR FUSION. V. S. EMELIONOV

This report was prepared as an account of Government sponsored work. Neither the United States, nor the Commission, nor any person acting on behalf of the Commission:

- A. Makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness, or usefulness of the information contained in this report, or that the use of any information, apparatus, method, or process disclosed in this report may not infringe privately owned rights; or
- B. Assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this report.

As used in the above, "person acting on behalf of the Commission" includes any employee or contractor of the Commission, or employee of such contractor, to the extent that such employee or contractor of the Commission, or employee of such contractor prepares, disseminates, or provides access to, any information pursuant to his employment or contract with the Commission, or his employment with such contractor.

Handwritten notes in the left margin, including the number '10' and some illegible scribbles.

