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PREFACE

This publication list is a bibliography of scientific and technical accounts originated at Argonne and published during the fiscal year 1964 (July 1, 1963 through June 30, 1964). It includes items published as journal articles, technical reports, books, etc., all of which have been made available to the public.

The list is divided into three parts. The first is a bibliographic list of publications sorted according to organizational Division of the Laboratory. The Divisional affiliation of each author is indicated by letters in parentheses, the abbreviated designations being as follows:

AM	Applied Mathematics Division
BM	Biological and Medical Research Division
CE	Chemical Engineering Division
CM	Chemistry Division
CS	Central Shops Department
EL	Electronics Division
FD	Fire Protection Department
HD	Health Division
HP	High Energy Physics Division
ID	Idaho Division
IH	Industrial Hygiene and Safety Division
II	Institute of Nuclear Science and Engineering
LD	Laboratory Director's Office
LS	Library Services
MT	Metallurgy Division
PA	Particle Accelerator Division
PE	Plant Engineering Division
PH	Physics Division
RC	Remote Control Engineering Division
RE	Reactor Engineering Division
RF	Reactor Physics Division
RO	Reactor Operations Division
RP	Radiological Physics Division
SM	Special Materials and Services Division
SS	Solid State Science Division
TP	Technical Publications Department

The second part is an alphabetical author index. A code number given in the right hand column guides the reader to the bibliographic entry in the first part. Thus code number AM 1120 refers to item 1120 under the Applied Mathematics Division. Since the bibliography is arranged alphabetically according to Division name, item 1120 AM appears before item 1080 BM.

The third part consists of a KWIC (key word in context) subject index. Thus indexing is by title only. To improve indexing some compound words have been divided into two or more words, and formulas and symbols have been spelled out. Occasionally when the title did not seem to portray the subject of the paper adequately for this type of indexing, descriptive words have been added. All such added words are separated from the title by asterisks. Also, all foreign language titles have been translated into English. Each key word is listed alphabetically on the left. The full title from which it was selected is columnated in the center. Here again the bibliographic code number is given in the right hand column, referring the reader to the entry in the first section.

The data for this list were collected by the Technical Publications Department; the system coding and machine operations were performed by the Applied Mathematics Division. Similar lists of articles published during fiscal years 1962 and 1963 were issued as reports ANL-6624 and ANL-6761.

Reprints of journal articles are distributed by authors to requestors as long as copies are available. Requests should be addressed directly to the authors.

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COMFORT, J.R.	2347HP	DAVEY, W.G.	2752ID
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 FISTEDIS, S.H. 1822RE
 FISTEDIS, S.H. 2668RE
 FLINN, J.E. JR. 1813MT
 FLINN, J.E. 2641MT
 FLOTOW, H.E. 1791CM
 FLOTOW, H.E. 1798CM
 FLYNN, R.J. 1785BM
 FLYNN, R.J. 1786BM
 FLYNN, R.J. 1787BM
 FLYNN, R.J. 1915BM
 FOLKROD, J.R. 2479RE
 FOLKROD, J.R. 2575RE
 FOSTER, M.S. 2508CE
 FOSTER, M.S. 2609CE
 FOSTER, M.S. 2610CE
 FOWLER, W.B. JR. 2117SS
 FRANCK, T.E. 2147FD
 FREDRICKSON, D.R. 1791CE

FRED, MARK 1799CM
 FRED, MARK 1858CM
 FRED, MARK 1865CM
 FRED, MARK 2038CM
 FRED, MARK 2253CM
 FRED, MARK 2516CM
 FREEDMAN, M.S. 1935CM
 FREEDMAN, M.S. 1949CM
 FREIBERG, R.J. 2561PH
 FRENCH, J.E. 2819CM
 FRENZEN, PAUL 2476RP
 FRICKE, HUGO 2730CM
 FRIEDMAN, A.M. 1857CM
 FRIEDMAN, A.M. 1859CM
 FRIEDMAN, A.M. 1860CM
 FRIEDMAN, A.M. 1936CM
 FRIEDMAN, A.M. 2143CM
 FRIGERIO, N.A. 19168M
 FRIGERIO, N.A. 1917BM
 FRIGERIO, N.A. 23198M
 FRIGERIO, N.A. 27018M
 FRY, R.J.M. 19188M
 FUCHS, L.H. 2517CM
 FUMI, F.G. 1910SS
 FUMI, F.G. 2018SS
 FUMI, F.G. 2587SS
 FUMI, F.G. 2595SS

G

GABOR, J.D. 2427CE
 GABOR, J.D. 2801CE
 GABOR, J.D. 2802CE
 GABOR, J.D. 2805CE
 GABRIEL, J.R. 2303SS
 GABRIEL, J.R. 2783SS
 GASIDLO, J.M. 1805ID
 GASIDLO, J.M. 2168ID
 GASIOROWICZ, STEPHEN 1888PH
 GEBERT, ELIZABETH 2154CM
 GEIER, J.D. 2832RE
 GEMMELL, D.S. 1983PH
 GEMMELL, D.S. 2375PH
 GEMMELL, D.S. 2377PH
 GEMMELL, D.S. 2459PH
 GEMMELL, D.S. 2557PH
 GEMMELL, D.S. 2652PH
 GEORGE, R.D. 1975PA
 GEORGE, R.D. 1976PA
 GEORGE, R.D. 1977PA
 GEORGE, R.D. 2192PA
 GETZ, D.R. 1868HP
 GILBERT, T.L. 2013SS
 GILBERT, T.L. 2118SS
 GILBERT, T.L. 2331SS
 GILBERT, E.R. 2641MT
 GINDLER, J.E. 2037CM
 GINDLER, J.E. 2518CM
 GLASSNER, ALVIN 2731TP
 GLENDENIN, L.E. 2436CM
 GOLDEN, G.H. 1995RE
 GOLD, RAYMOND 2292RF
 GOLEB, J.A. 2039CM
 GOLEB, J.A. 2040CM
 GOLEB, J.A. 2616CM
 GOODMAN, L.S. 1816PH

GOODMAN, G.L. 2050CM
 GOODMAN, L.S. 2282PH
 GOODMAN, L.S. 2371PH
 GOODMAN, L.S. 2378PH
 GOODMAN, L.S. 2647PH
 GOODMAN, L.S. 2653PH
 GOODMAN, L.S. 2765PH
 GOODSPEED, H.T. 1861CM
 GOPINATH, D.V. 2494II
 GOPINATH, D.V. 2543II
 GOPINATH, D.V. 2789II
 GORDON, S.A. 20738M
 GORDON, S.A. 27028M
 GORDON, S.A. 27948M
 GORDON, SHEFFIELD 1803CM
 GORDON, SHEFFIELD 2519CM
 GORDON, SHEFFIELD 2732CM
 GORDON, SHEFFIELD 2733CM
 GORDON, SHEFFIELD 2814CM
 GORDON, SHEFFIELD 2821CM
 GRACE, M.A. 2391PH
 GRAHN, DOUGLAS 2242BM
 GRAHN, DOUGLAS 2422BM
 GRAHN, DOUGLAS 25998M
 GRAHN, DOUGLAS 27038M
 GRANT, W.B. 1959IH
 GRANT, W.B. 2541IH
 GRECO, I.L. 19158M
 GRECO, I.L. 26938M
 GREENBERG, ELLIOTT 1926CE
 GREENBERG, SHERMAN 2181MT
 GREENBERG, SHERMAN 2313MT
 GREENBERG, SHERMAN 2549MT
 GRECH, R.E. 2406RE
 GRECH, R.E. 2480RE
 GRIFFIN, H.C. 2436CM
 GRIFFITH, PETER 2669RE
 GRISMORE, ROGER 2008RP
 GROSH, R.J. 1893RE
 GRUEN, D.M. 2145CM
 GRUEN, D.M. 2437CM
 GRUEN, D.M. 2442CM
 GRUEN, D.M. 2610CM
 GRUEN, D.M. 2813CM
 GULYAS, ELSIE 2737CM
 GUNTHER, W.H. 2029CE
 GUNTHER, W.H. 2327CE
 GUNTHER, W.H. 2612CE
 GUSTAFSON, P.F. 18388M
 GUTTMAN, LESTER 2488SS
 GUT, RUDOLF 2437CM

H

HACK, M.N. 2194PH
 HACK, M.N. 2460PH
 HAGEN, J.I. 1956ID
 HALLEY, J.W. 2617CM
 HAMERMESH, MORTON 2826LD
 HAMILTON, K.F. 27038M
 HANDWERK, J.H. 1879MT
 HANDWERK, J.H. 1896MT
 HANDWERK, J.H. 1972MT
 HANDWERK, J.H. 2510MT
 HANDWERK, J.H. 2638MT
 HANNA, S.S. 1819PH

HANNA, S.S.	1979PH	HINDMAN, J.C.	1938CM
HANNA, S.S.	1993PH	HINDMAN, J.C.	2146CM
HANNA, S.S.	2391PH	HINES, J.J.	2254CM
HANNA, S.S.	2528PH	HINS, A.G.	2263MT
HANNA, S.S.	2558PH	HINS, A.G.	2274MT
HANNA, S.S.	2559PH	HIRSCH, ALBERT	2217RE
HANNA, S.S.	2560PH	HIRSCH, F.G.	2624HD
HANNA, S.S.	2563PH	HITTERMAN, R.L.	2454MT
HANNA, S.S.	2566PH	HITTERMAN, R.L.	2455MT
HARDEN, D.G.	1997RE	HOCH, MICHAEL	2785SS
HARDTKE, F.C.	2211RC	HOEKSTRA, W.R.	2735CM
HARKNESS, A.L.	1936CM	HUGLUND, B.M.	1995RE
HAROLDSSEN, R.O.	2056ID	HUGLUND, B.M.	1998RE
HAROLDSSEN, R.O.	2057ID	HOLCOMB, W.F.	2128ID
HAROLDSSEN, R.O.	2058ID	HOLLAND, R.E.	2386PH
HAROLDSSEN, R.O.	2175ID	HOLLAND R.E.	2657PH
HART, E.J.	1800CM	HOLMES, J.T.	2804CE
HART, E.J.	1937CM	HOLT, B.D.	1861CM
HART, E.J.	2519CM	HOLT, B.D.	1939CM
HART, E.J.	2731CM	HOLT, B.D.	2152CM
HART, E.J.	2732CM	HOLT, B.D.	2815CM
HART, E.J.	2733CM	HOLTZMAN, R.B.	2055RP
HART, E.J.	2734CM	HOLTZMAN, R.B.	2768RP
HART, E.J.	2814CM	HOLTZMAN, R.B.	2769RP
HART, E.J.	2821CM	HOLTZMAN, R.B.	2856RP
HART, R.K.	1967MT	HOMA, M.I.	2430CE
HATCH, A.J.	2561PH	HONESTY, C.C.	2608CE
HEAP, J.C.	2099RE	HORAK, J.A.	2182MT
HEATON, LEROY	1883MT	HORROCKS, D.L.	1940CM
HEATON, LEROY	2308MT	HORROCKS, D.L.	2520CM
HEATON, LEROY	2311MT	HORROCKS, D.L.	2618CM
HEATON, LEROY	2454MT	HORROCKS, D.L.	2816CM
HEBERLE, JUERGEN	1819PH	HSU, CHUN	2217RE
HEBERLE, JUERGEN	2368PH	HUBBARD, W.N.	1791CE
HEBERLE, JUERGEN	2379PH	HUBBARD, W.N.	1926CE
HEBERLE, JUERGEN	2560PH	HUBBARD, W.N.	1929CE
HEBERLE, JUERGEN	2562PH	HUBBARD, W.N.	2127CE
HEBERLE, JUERGEN	2563PH	HUBBARD, W.N.	2512CE
HEBERLE, JUERGEN	2566PH	HUBER, R.J.	2168ID
HEBERLE, JUERGEN	2569PH	HUBER, R.J.	2538ID
HEBERLE, JUERGEN	2654PH	HUEBENER, R.P.	2678SS
HECHT, H.G.	2050CM	HUGHES, J.P.	2147CM
HEDIN, L.T.	2014SS	HUGHES, J.P.	2258CM
HEESTAND, J.M.	2692AM	HUIZENGA, J.R.	1851CM
HELM, F.H.	2224RF	HUIZENGA, J.R.	2445CM
HENDERSON, D.J.	2817CM	HUIZENGA, J.R.	2514CM
HENDERSON, D.J.	2822CM	HUIZENGA, J.R.	2630CM
HENNIG, G.R.	2489SS	HUIZENGA, J.R.	2631CM
HENNIG, G.R.	2490SS	HUIZENGA, J.R.	2632CM
HENNING, G.R.	2784SS	HUIZENGA, J.R.	2822CM
HENNING, G.R.	2785SS	HUMMEL, H.W.	2479RF
HERMANN, ROBERT	1912AM	HUMMEL, H.W.	2495RF
HERMAN, HERBERT	2069MT	HUMMEL, H.W.	2496RF
HERMAN, HERBERT	2550MT	HUMMEL, H.W.	2575RF
HESSON, J.C.	1792CE	HUMMEL, H.W.	2691RF
HIBDON, C.T.	2380PH	HUTCHISON, D.A.	2736CM
HIIDA, KICHIRO	2195PH	HUTTER, ERNEST	2859RE
HIIDA, KICHIRO	2655PH	HWANG, R.N.	2577RF
HIIDA, KICHIRO	2766PH	HYMAN, H.H.	1801CM
HILBERRY, NORMAN	2261LD	HYMAN, H.H.	1941CM
HILDEBRAND, R.H.	1869HP	HYMAN, H.H.	1942CM
HILDEBRAND, R.H.	1870HP	HYMAN, H.H.	2149CM
HILDEBRAND, R.H.	2344LD	HYMAN, H.H.	2153CM
HILEY, P.C.	2704BM	HYMAN, H.H.	2619CM
HILL, D.C.	1879MT	HYMAN, L.G.	2748HP

I
IANNIELLO, L.C. 2309MT
IANNIELLO, L.C. 2838MT
IBERSON, ERIC 2437CM
ILCEWICZ, F.H. 2769RP
INGLIS, D.R. 1818PH
INGLIS, D.R. 2461PH
INGLIS, D.R. 2850PH
ISHIKAWA, HIROSHI 2833II
ISKENDERIAN, H.P. 2291RF
ISKENDERIAN, H.P. 2401RF
ISKENDERIAN, H.P. 2779RF
ISKENDERIAN, H.P. 2866RF
IWAMI, F.S. 1960IH

J
JACKSON, H.E. 1984PH
JACKSON, H.E. 1985PH
JACKSON, H.E. 2079PH
JACKSON, H.E. 2084PH
JACKSON, H.E. 2085PH
JACKSON, H.E. 2086PH
JACKSON, J.J. 2236SS
JACKSON, H.E. 2381PH
JACKSON, H.E. 2458PH
JACKSON, H.E. 2462PH
JACKSON, H.E. 2463PH
JACKSON, H.E. 2650PH
JACKSON, H.E. 2851PH
JACKSON, J.J. 2877SS
JANICKE, M.J. 1999RE
JANICKE, M.J. 2790RE
JAROSLOW, B.N. 1788BM
JARRY, R.L. 2029CE
JARRY, R.L. 2126CE
JELINEK, H.F. 2265MT
JENSEN, K.J. 2255CM
JENSEN, K.J. 2521CM
JINKINS, P.B. 1915BM
JINKINS, P.B. 2503BM
JINKINS, P.B. 2699BM
JINKINS, P.B. 2700BM
JOHANSON, E.W. 2342EL
JOHNSON, C.E. 1795PH
JOHNSON, K.W. 2150CM
JOHNSON, C.E. 2201PH
JOHNSON, C.E. 2428CE
JOHNSON, C.E. 2509CE
JOHNSON, T.R. 2510CE
JOHNSON, C.E. 2609CE
JOHNSON, IRVING 2724CE
JOHNSON, IRVING 2806CE
JONKE, A.A. 1849CE
JONKE, A.A. 1927CE
JONKE, A.A. 2429CE
JONKE, A.A. 2611CE
JONKE, A.A. 2801CE
JONKE, A.A. 2803CE
JONKE, A.A. 2804CE
JONKE, A.A. 2805CE
JORDAN, D.L. 1847BM
JORDAN, D.L. 2701BM
JORDAN, P.P. 2047CM
JUST, L.C. 2790AM

K
KAMINSKY, M.S. 2852PH
KANN, W.J. 1896RE
KANTER, M.A. 2679SS
KAPLAN, LOUIS 2823CM
KARASEK, F.J. 2180MT
KARTTUNEN, J.O. 2817CM
KASPAR, L.V. 1789BM
KASTNER, JACOB 2009RP
KASTNER, JACOB 2277RP
KASTNER, JACOB 2762RP
KASTNER, JCAOB 2770RP
KATO, W.Y. 2671RF
KATZIN, L.I. 2737CM
KATZ, AMNON 2197PH
KATZ, J.J. 2142CM
KATZ, J.J. 2256CM
KATZ, J.J. 2257CM
KATZ, J.J. 2335CM
KATZ, J.J. 2438CM
KATZ, J.J. 2625CM
KATZ, J.J. 2698CM
KAUFMANN, S.G. 2538RE
KAZMIEROWICZ, C.W. 2015SS
KAZMIEROWICZ, C.W. 2679SS
KELBER, C.N. 1823RF
KELBER, C.N. 2225RF
KELMAN, L.R. 2181MT
KELMAN, L.H. 2188MT
KELMAN, L.R. 2837MT
KEPPLE, R.R. 2451LS
KETOLA, F.W. 1788BM
KETTERSON, J.B. 1905SS
KETTERSON, J.B. 2300SS
KETTERSON, J.B. 2876SS
KETUDAT, SIPPANONDHA 2450II
KHOE, T.K. 1815PA
KILPATRICK, MARTIN 2151CM
KIMBALL, C.W. 2363PH
KIRN, F.S. 2172ID
KIRN, F.S. 2830ID
KISIELESKI, W.E. 1790BM
KISIELESKI, W.E. 1839BM
KISIELESKI, W.E. 1846BM
KISIELESKI, W.E. 1918BM
KISIELESKI, W.E. 2600BM
KISIELESKI, W.E. 2704BM
KISIELESKI, W.E. 2795BM
KISIELESKI, W.E. 2796BM
KITTEL, J.H. 1964MT
KITTEL, J.H. 2070MT
KITTEL, J.H. 2177MT
KITTEL, J.H. 2182MT
KITTEL, J.H. 2264MT
KITTEL, J.H. 2267MT
KLEIN, P.D. 2420BM
KLIGER, I.E. 2860RE
KLIPHARDT, R.A. 2021AM
KNOTT, H.W. 2454MT
KNOTT, H.W. 2455MT
KNUDSEN, I.E. 1927CE
KOCH, L.J. 1824RE
KOCH, L.J. 2216RE
KOCH, L.J. 2398RE
KOCH, L.J. 2399RE

LOOMIS, B.A.
 LOOMIS, B.A.
 LOOMIS, B.A.
 LOUNASMAA, O.V.
 LOUNASMAA, O.V.
 LOUNASMAA, O.V.
 LOUNASMAA, O.V.
 LOUNASMAA, O.V.
 LUCAS, H.F.
 LUCAS, H.F.
 LUCAS, H.F.JR.
 LUCAS, H.F.JR.
 LUCAS, H.F.JR.
 LUDLOW, J.O.
 LUKEHART, P.M.
 LUNDY, R.A.
 LUNDY, R.A.
 LUTHRA, J.M.
 LYKOS, P.G.
 LYNCH, F.J.
 LYNCH, F.J.

M

MACFARLANE, D.R.
 MACFARLANE, M.H.
 MACFARLANE, M.H.
 MACFARLANE, M.H.
 MACFARLANE, M.H.
 MACFARLANE, M.H.
 MACFARLANE, D.R.
 MACHEREY, R.E.
 MACK, G.A.
 MADELL, J.T.
 MAEHLY, H.J.
 MAGNUSSON, L.B.
 MALM, J.G.
 MALM, J.G.
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 MALM, J.G.
 MALM, J.G.
 MALONEY, M.A.
 MALONEY, M.A.
 MANAGAN, W.W.
 MARCHERTAS, A.H.
 MARINELLI, L.D.
 MARINOV, AMNON
 MARINOV, AMNON
 MARINOV, AMNON
 MARINOV, AMNON
 MARINOV, AMNON
 MARION, J.P.
 MARION, J.P.
 MARKLEY, J.F.
 MARKLEY, J.F.
 MARQUART, J.R.

2184MT
 2269MT
 2551MT
 2408SS
 2409SS
 2410SS
 2411SS
 2878SS
 2055RP
 2397RP
 2417RP
 2769RP
 2856RP
 2128ID
 2294RF
 2345HP
 2348HP
 2544II
 2013SS
 2386PH
 2657PH

1894RE
 1981PH
 2284PH
 2648PH
 2649PH
 2848PH
 2867RF
 2185MT
 2160CM
 2867RF
 1833AM
 2041CM
 1795CM
 1796CM
 1932CM
 1943CM
 1944CM
 2135CM
 2136CM
 2137CM
 2152CM
 2524CM
 2627CM
 2726CM
 2727CM
 2808CM
 2809CM
 2504BM
 2602BM
 1866EL
 2861RE
 2009RP
 1983PH
 2376PH
 2564PH
 2658PH
 2664PH
 2279PH
 2457PH
 2601BM
 2709BM
 1886PH

MARQUART, J.R.
 MARSHALL, R.
 MARSHALL, J.H.
 MARTENS, F.H.
 MARTIN, A.W.
 MARTIN, A.W.
 MARTIN, K.B.
 MARTIN, R.L.
 MARTIN, R.L.
 MARTINEC, E.L.
 MASCHHOFF, R.H.
 MASON, G.W.
 MASON, G.W.
 MASON, G.W.
 MATHESON, M.S.
 MATHESON, M.S.
 MATHESON, M.S.
 MAYERS, H.L.
 MAYERS, H.L.
 MAYFIELD, R.M.
 MAYFIELD, R.M.
 MCBETH, R.L.
 MCCORKLE, W.H.
 MCCORMICK, G.K.
 MCCOWN, J.J.
 MCFEE, D.R.
 MCGINNIS, F.D.
 MCGINNIS, F.D.
 MCGINNIS, F.D.
 MCGINNIS, F.D.
 MCGINNIS, G.A.
 MCGLINN, W.D.
 MCGLINN, W.D.
 MCLEOD, D.W.
 MCLEOD, D.W.
 MCVEAN, R.L.
 MCVEAN, R.L.
 MCHINNIE, D.J.
 MEABURN, G.M.A.C.
 MEADOWS, J.W.
 MEADOWS, J.W.
 MEADOWS, J.W.
 MEADOWS, J.W.
 MEADOWS, J.W.
 MECHAM, W.J.
 MECHAM, W.J.
 MECHAM, W.J.
 MECHAM, W.J.
 MECHAM, W.J.
 MECHAM, W.J.
 MECHAM, W.J.
 MECHAM, W.J.
 MECHAM, W.J.
 MENEGHETTI, DAVID
 MENEGHETTI, DAVID
 MENELEY, D.A.
 MENELEY, D.A.
 MERKLE, K.L.
 MESSING, A.F.
 METTA, D.N.
 METTA, D.N.
 METTA, D.N.
 MEYER, R.J.
 MEYER, R.J.
 MEYER-SCHUTZMEISTER, LUISE
 MEYER-SCHUTZMEISTER, LUISE
 MEYER-SCHUTZMEISTER, LUISE
 MEYER-SCHUTZMEISTER, LUISE
 MEYER-SCHUTZMEISTER, LUISE

1890PH
 2532PH
 2762RP
 2115RO
 1986PH
 2659PH
 2827HP
 2277PA
 2456PA
 1896RE
 2486RC
 1863CM
 1945CM
 2042CM
 2159CM
 2519CM
 2738CM
 2278PE
 2474PE
 1966MT
 2263MT
 2610CM
 2053RO
 2683SS
 1954ID
 2754IH
 2056ID
 2057ID
 2058ID
 2169ID
 2824EL
 2660PH
 2826HP
 2346HP
 2347HP
 1805ID
 2829ID
 1919BM
 1803CM
 1859RF
 2565RF
 2672RF
 2825RF
 1849CE
 2427CE
 2429CE
 2611CE
 2801CE
 2803CE
 2805CE
 2673RF
 2833RF
 2479RF
 2575RF
 1967MT
 1928CE
 1857CM
 2043CM
 2444CM
 2030CE
 2250CE
 1978PH
 1979PH
 2366PH
 2473PH
 2566PH

REINKE, C.F.	2841MT		
REINKE, C.F.	2842MT		
REITMANN, DANIEL	2108RF		
REITMANN, DANIEL	2109RF	SACHER, G.A.	1918BM
REITMANN, DANIEL	2110RF	SACHER, G.A.	1920BM
REITMAN, DANIEL	2352II	SACHER, G.A.	2125BM
RENKEN, C.J.	1878MT	SACHER, G.A.	2422BM
RENKEN, C.J.	2353MT	SACHER, G.A.	2599BM
RENKEN, C.J.	2843MT	SACHER, G.A.	2705BM
RENO, R.W.	2560PH	SACHER, G.A.	2710BM
RENO, R.W.	2566PH	SACHER, G.A.	2712BM
RHOADES, B.E.	1834AM	SACHER, G.A.	2797BM
RHUDE, H.V.	2188MT	SALLESE, A.R.	1840BM
RHUDE, H.V.	2837MT	SALLESE, A.R.	2706BM
RIBARIC, MARJAN	2497AM	SALTER, F.O.	2791AM
RICE-EVANS, PETER	2390PH	SANATHANAN, C.K.	1784RE
RICE-EVANS, PETER	2450PH	SANATHANAN, C.E.	2872RF
RICE, R.E.	1956ID	SANE, K.V.	2045CM
RICHARDS, H.K.	2690RF	SAPERSTEIN, A.M.	2286PH
RICHARDS, H.K.	2870RF	SAPERSTEIN, A.M.	2568PH
RIHA, J.G.	2130CE	SAUER, M.C. JR	2531CM
RINGO, G.R.	2202PH	SAVAGE, HOWARD	2273MT
RINGO, G.R.	2450PH	SAVAGE, HOWARD	2839MT
RINGO, G.R.	2565PH	SCHABLASKE, R.V.	2431CE
ROBERTS, ARTHUR	2346HP	SCHACHER, G.E.	2119SS
ROBERTS, ARTHUR	2347HP	SCHACHER, G.E.	2120SS
ROBERTS, ARTHUR	2749HP	SCHACHER, G.E.	2414SS
ROBERTS, ARTHUR	2750HP	SCHACHER, G.E.	2683SS
ROBERTS, D.R.	2770RP	SCHIFFER, J.P.	1983PH
ROBINSON, J.E.	2413SS	SCHIFFER, J.P.	1991PH
ROBINSON, L.E.	2543RF	SCHIFFER, J.P.	2046PH
ROBINSON, J.E.	2592SS	SCHIFFER, J.P.	2079PH
ROBINSON, W.R.	2863RF	SCHIFFER, J.P.	2203PH
ROBINSON, L.E.	2865RF	SCHIFFER, J.P.	2376PH
ROBINSON, L.E.	2871RF	SCHIFFER, J.P.	2377PH
ROCKWOOD, C.C.	2165EL	SCHIFFER, J.P.	2384PH
ROCKWOOD, C.C.	2824EL	SCHIFFER, J.P.	2385PH
ROMANOWSKI, T.A.	2343HP	SCHIFFER, J.P.	2439PH
ROSENBERG, G.S.	1995RE	SCHIFFER, J.P.	2458PH
ROSENTHAL, M.W.	2709BM	SCHIFFER, J.P.	2459PH
ROSEN, MOSHE	2271MT	SCHIFFER, J.P.	2466PH
ROSEN, SOL	1969MT	SCHIFFER, J.P.	2557PH
ROSEN, SOL	1970MT	SCHIFFER, J.P.	2564PH
ROSEN, SOL	2189MT	SCHIFFER, J.P.	2569PH
ROSENZWEIG, NORBERT	1820PH	SCHIFFER, J.P.	2652PH
ROSENZWEIG, NORBERT	1990PH	SCHIFFER, J.P.	2656PH
ROSENZWEIG, NORBERT	2468PH	SCHIFFER, J.P.	2658PH
ROSE, J.E.	1900RP	SCHIFFER, J.P.	2664PH
ROSSIN, A.D.	2228RF	SCHIFFER, J.P.	2767PH
ROSSIN, A.D.	2229RF	SCHLENK, FRITZ	2321BM
ROSSIN, A.D.	2230RF	SCHLENK, FRITZ	2322BM
ROSSIN, A.D.	2231RF	SCHLUTER, R.A.	2748HP
ROWLAND, R.E.	1901RP	SCHMITT, R.A.	2436CM
ROWLAND, R.E.	2055RP	SCHMITZ, F.J.	2147CM
ROYAL, JOSEPH	1849CE	SCHMITZ, F.J.	2258CM
ROYAL, JOSEPH	2429CE	SCHOEBERLE, D.F.	2692RF
ROYAL, JOSEPH	2611CE	SCHRAIDT, J.H.	2128CE
ROYAL, JOSEPH	2803CE	SCHREINER, FELIX	1944CM
RUDZITIS, EDGARS	2127CE	SCHULHOF, M.P.	2563PH
RUDZITIS, EDGARS	2512CE	SCHUMAR, J.F.	2844MT
RUSH, C.J.	2340EL	SCHWARCZ, R.M.	2748HP
RUSH, C.J.	2447EL	SEAHOLM, J.E.	2023BM
RUSH, J.J.	2681SS	SEAHOLM, J.E.	2502BM
RUTHER, W.E.	1971MT	SEDLET, JACOB	1960IH
RUTHER, W.E.	2313MT	SEEFELDT, W.B.	1849CE
RUTHER, W.E.	2549MT	SEEFELDT, W.R.	2429CE

SEGEL, R.E.	1979PH	SLATIS, H.M.	2715BM
SEGEL, R.E.	1993PH	SLOTH, E.N.	1864CM
SEGEL, R.E.	2094PH	SLOTH, E.N.	2158CM
SEGEL, R.E.	2391PH	SLOTH, E.N.	2529CM
SEGEL, R.E.	2469PH	SMAARDYK, ABRAHAM	1896RE
SEGEL, R.E.	2662PH	SMAARDYK, ABRAHAM	2213RE
SEIM, O.S.	2832RE	SMALLER, BERNARD	2593SS
SELIG, HENRY	1944CM	SMALLER, BERNARD	2594SS
SELIG, HENRY	2136CM	SMISSAERT, G.E.	2100RE
SELIG, HENRY	2440CM	SMITHER, R.K.	1992PH
SELIG, HENRY	2524CM	SMITHER, R.K.	2085PH
SELIG, HENRY	2627CM	SMITHER, R.K.	2094PH
SELIG, HENRY	2727CM	SMITHER, R.K.	2096PH
SELIG, HENRY	2739CM	SMITHER, R.K.	2469PH
SELNER, R.H.	2353MT	SMITHER, R.K.	2470PH
SETTLE, J.L.	1929CE	SMITHER, R.K.	2666PH
SHALEK, P.D.	1972MT	SMITH, A.B.	1859RF
SHALEK, P.D.	2187MT	SMITH, A.B.	1897RE
SHALEK, P.D.	2644MT	SMITH, A.B.	2108RF
SHAPIRO, S.K.	2604BM	SMITH, A.B.	2110RF
SHAPIRO, S.K.	2798BM	SMITH, A.B.	2111RF
SHEFT, IRVING	2153CM	SMITH, A.B.	2296RF
SHERMAN, I.S.	1935EL	SMITH, A.B.	2352RF
SHERMA, JOSEPH	2525CM	SMITH, A.B.	2377RF
SHERMA, JOSEPH	2526CM	SMITH, A.B.	2404RF
SHUCK, A.B.	2263MT	SMITH, A.B.	2557RF
SHUCK, A.M.	2265MT	SMITH, A.B.	2565RF
SHUCK, A.B.	2274MT	SMITH, A.B.	2579RF
SIDHU, S.S.	2311MT	SMITH, A.B.	2636RF
SIDHU, S.S.	2314MT	SMITH, A.B.	2672RF
SIDHU, S.S.	2315MT	SMITH, GEOFFREY	2527CM
SIDHU, S.S.	2454MT	SMITH, KENNETH	1835AM
SIDHU, S.S.	2455MT	SMITH, R.R.	2057ID
SIEGEL, STANLEY	2154CM	SMITH, R.R.	2058ID
SIEGEL, STANLEY	2155CM	SMITH, R.R.	2059ID
SIEGEL, STANLEY	2735CM	SMITH, R.R.	2175ID
SEILS, C.A. JR.	2030CE	SMITH, R.R.	2540ID
SIEMSEN, R.H.	2665PH	SMITH, S.V.	2163CS
SIMMONS, J.W.	1849CE	SMITH, W.H.	2350IH
SIMMONS, W.R.	2185RE	SOGA, MICHITOSHI	1981PH
SIMMONS, J.W.	2429CE	SOGA, MICHITOSHI	2848PH
SIMMONS, D.J.	2478RP	SOLBRIG, A.W. JR.	1956ID
SIMMONS, J.W.	2611CE	SOLBRIG, A.W. JR.	1956ID
SIMMONS, D.J.	2771RP	SOWA, E.S.	2001RE
SIMMONS, D.J.	2772RP	SOWA, E.S.	2218RE
SIMMONS, J.W.	2803CE	SOWA, E.S.	2543RE
SIMMONS, D.J.	2857RP	SOWA, E.S.	2574RE
SINCLAIR, W.K.	2025BM	SOWA, E.S.	2670RE
SINCLAIR, W.K.	2026BM	SPARKS, D.W.	1995RE
SINCLAIR, W.K.	2244BM	SPARKS, D.W.	2775RE
SINCLAIR, W.K.	2605BM	SPARKS, D.W.	2776RE
SINCLAIR, W.K.	2713BM	SPINRAD, B.I.	2405RF
SINCLAIR, W.K.	2714BM	SPINRAD, B.I.	2547RF
SINCLAIR, W.K.	2722BM	SPINRAD, B.I.	2676RF
SINGER, L.R.	1967MT	SPINRAD, B.I.	2873RF
SINGER, R.M.	1825RE	SPIITLER, E.G.	2047CM
SINGH, P.P.	1979PH	SPITZER, RICHARD	1821PH
SINGH, P.P.	2095PH	SPITZER, RICHARD	2204PH
SINGH, P.P.	2391PH	SPLHA, E.A.	1895RE
SINGWI, K.S.	2592SS	SPRENKEL-SEGEL, E.L.	2528CM
SINGWI, K.S.	2682SS	SRINIVASAN, A.V.	2580RF
SINNOTT, G.A.	1866EL	STABLEIN, P.F.	1814MT
SJORLOM, R.K.	1857CM	STABLEIN, P.F.	2190MT
SKLADZIEN, S.B.	1896RE	STABLEIN, P.F.	2645MT
SKOK, JOHN	2800BM	STAFFELDT, E.F.	1840BM
SLATIS, H.M.	2245BM	STANFORD, G.S.	2174RF

UDGAONKAR, B.M.
UNIK, J.P.
UNIK, J.P.
UNIK, J.P.
UNIK, J.P.
URETSKY, J.L.
URETSKY, J.L.
URETSKY, J.L.
URETSKY, J.L.

2205PH
2338CM
2630CM
2631CM
2822CM
1835PH
1891PH
2286PH
2568PH

VANDENBOSCH, ROBERT
VANLOON, J.A.
VANOSTENBURG, D.O.
VANOSTENBURG, D.O.
VANOSTENBURG, D.O.
VANOSTENBURG, D.O.
VANOSTENBURG, D.O.
VANOSTENBURG, D.O.
VANOSTENBURG, D.O.
VANRYZIN, J.R.
VELECKIS, EWALD
VISKANTA, RAYMOND
VISKANTA, RAYMOND
VOGEL, H.H. JR.
VOGEL, H.H. JR.
VOGEL, H.H. JR.
VOGEL, R.C.
VOGEL, R.C.
VOGEL, R.C.
VOGEL, R.C.
VONACH, H.K.
VONACH, H.K.
VONACH, W.G.
VONEHRENSTEIN, D.H.
VONEHRENSTEIN, D.H.
VONEHRENSTEIN, DIETER
VONEHRENSTEIN, D.H.

2742CM
2160CM
1881MT
1973MT
2191MT
2275MT
2363MT
2552MT
2643MT
2596AM
2724CE
2101RE
2220RE
1847BM
2606BM
2721BM
1849CE
2429CE
2611CE
2803CE
2445CM
2632CM
2636RF
1978PH
2282PH
2366PH
2847PH

1935CM
2254CM
2259CM
1950CM
2331CM
2339CM
2448II
1986PH
2393PH
2659PH
1956ID
2646MT
2364MT
2742CM
2343HP
2537HP
2828HP
2325BM
2800BM
2003RE
1922BM
1803CM
2159CM
2547RE
2045CM
2050CM
1992PH
2394PH
2473PH
2800BM
1924CE
1925CE
2707BM
2532CM
2825RF
1859RF

WHALEN, J.F.	2114RF
WHALEN, J.F.	2672RF
WHITE, G.D.	2510MT
WHITHAM, G.K.	2061ID
WILKINS, J.W.	2303SS
WILKINS, B.D.	2631CM
WILZBACH, K.E.	2823CM
WIMUNC, E.A.	1822RE
WIMUNC, E.A.	2291RE
WIMUNC, E.A.	2401RE
WING, JAMES	2533CM
WING, JAMES	2633CM
WING, JAMES	2743CM
WITZGALL, CHRISTOPH	1833AM
WITZGALL, CHRISTOPH	2419AM
WOLFE, GENE	2237SS
WOODWARD, D.A.	2417AM
WYBOURNE, B.G.	2051CM
WYBOURNE, B.G.	2446CM
WYBOURNE, B.G.	2534CM
WYBOURNE, B.G.	2535CM
WYBOURNE, B.G.	2634CM
WYBOURNE, B.G.	2744CM
WYBOURNE, B.G.	2810CM

Y

YANNOPOULOS, L.N.	1930CE
YNTEMA, J.L.	1892PH
YNTEMA, J.L.	1993PH
YNTEMA, J.L.	2206PH
YNTEMA, J.L.	2207PH
YNTEMA, J.L.	2281PH
YNTEMA, J.L.	2287PH
YNTEMA, J.L.	2572PH
YNTEMA, J.L.	2855PH
YOKOSAWA, AKIHIKO	2074PA
YOKOSAWA, AKIHIKO	2845PA
YOKOYAMA, YU	2039CM
YOKOYAMA, YU	2616II
YOUNGDAHL, C.K.	1995RE
YOUNGQUIST, C.H.	2160CM
YOVANOVITCH, D.D.	2345HP
YOVANOVITCH, D.D.	2348HP
YPHANTIS, D.A.	2798BM
YURKA, G.E.	2346HP
YURKA, G.E.	2347HP
YUSTER, P.H.	2019SS
YU, C.K.	1923BM
YU, C.K.	2722BM

Z

ZAUBERIS, D.D.	2314MT
ZEGLER, S.T.	2276MT
ZEIDMAN, BENJAMIN	2208PH
ZEIDMAN, BENJAMIN	2280PH
ZEIDMAN, BENJAMIN	2288PH
ZIEGLER, E.N.	2032CE
ZIEGLER, E.N.	2725CE
ZIELEN, A.J.	1804CM
ZIOMEK, J.S.	2812CM
ZIRIN, M.H.	2141CM

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EMITTED	SPECTROMETRY OF $\pi(0)$ - MESONS EMITTED BY π - P INTERACTIONS AT 1.5 AND 1.8 BEV/C	HP 2343
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SODIUM	POLARIZATION OF NEUTRONS SCATTERED FROM FLUORINE, SODIUM, ALUMINUM AND PHOSPHOROUS	PH 2887
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YTTRIUM	YTTRIUM TRI HYDRIDE AND YTTRIUM TRI DEUTERIDE. HEAT CAPACITIES AND THERMODYNAMIC FUNCTIONS FROM 15 DEG. TO 350 DEG. K AND INFRARED ABSORPTION SPECTRA	CM 1798
YTTRIUM	THE THERMODYNAMICS OF THE YTTRIUM HYDROGEN SYSTEM	CE 1930
YTTRIUM	THERMODYNAMIC PROPERTIES OF GASEOUS YTTRIUM MONOXIDE. CORRELATION OF BONDING IN GROUP III TRANSITION-METAL MONOXIDES *OXIDES*	CM 2433
YTTRIUM-90	THE RADIOGRAPHIC EVOLUTION OF OSTEOGENIC SARCOMAS INDUCED IN MICE BY YTTRIUM-90	BM 2503
Z(-)	ON THE PRODUCTION OF THE Z(-) OMEGA(-) BARYON	PH 2199
ZEEMAN	ZEEMAN EFFECT MEASUREMENTS IN NEUTRAL AND SINGLY IONIZED MERCURY	CM 1799
ZEEMAN	ISOMER SHIFTS AND NUCLEAR ZEEMAN EFFECT IN NIOBIUM(3) TIN-119	PH 2379
ZEEFMAN	ANALYSIS OF COMPLEX ZEEFMAN PATTERNS IN AMERICIUM AND NEPTUNIUM	CM 2527
ZGS	THE ARGONNE ZERO GRADIENT SYNCHROTRON (ZGS)	PA 2365
ZGS	THE ZGS PROGRAM	HP 1869
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ZGS	ZGS STATUS REPORT	PA 1885
ZINC	CONTRIBUTIONS TO THE PHASE DIAGRAM OF CALCIUM ZINC	CE 1928
ZINC	DISLOCATION ETCH PITS IN ALPHA COPPER ALUMINUM AND ALPHA COPPER ZINC ALLOYS	MT 1965
ZINC	COLLECTIVE LEVELS IN 11 ISOTOPES OF TITANIUM, NICKEL AND ZINC	PH 2281
ZINC	SEPARATION OF CERTAIN CATIONS FROM MIXTURES OF VARIOUS CATIONS ON ION EXCHANGE PAPERS -- ARSENIC, BARIUM, CADMIUM, TIN AND ZINC	CM 2525
ZINC	FLUORINE BOMB CALORIMETRY. VIII. THE ENTHALPY OF FORMATION OF ZINC DI FLUORIDE	CE 2512
ZINC-64	(N,2N) REACTION CROSS SECTIONS IN FLUORINE-19, COPPER-63, COPPER-65 AND ZINC-64	PH 2285
ZINC(2)	TECHNETIUM COMPOUNDS WITH THE MAGNESIUM ZINC(2) STRUCTURE	MT 2548
ZINC(6)	DECOMPOSITION PRESSURE OF TECHNETIUM ZINC(6)	CE 2724
ZIRCONIUM	EXPERIMENTAL STUDIES ON THE CURRENT CARRYING CAPACITY OF NIOBIUM ZIRCONIUM WIRES UNDER CONDITIONS OF FIXED AND SWEEPED MAGNETIC FIELD	PA 2846
ZIRCONIUM	SCATTERING OF FAST NEUTRONS FROM NATURAL ZIRCONIUM AND NIOBIUM	II 2352
ZIRCONIUM	CARBON POSITIONS IN TITANIUM ZIRCONIUM NULL-MATRIX BY NEUTRON DIFFRACTION	MT 2315
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ZIRCONIUM	THE ENTHALPIES OF FORMATION OF ZIRCONIUM DI HYDRIDE AND ZIRCONIUM DI DEUTERIDE	CE 1791
ZIRCONIUM	THE ENTHALPIES OF FORMATION OF ZIRCONIUM DI HYDRIDE AND ZIRCONIUM DI DEUTERIDE	CE 1791
ZIRCONIUM	THE HEAT OF FORMATION OF ZIRCONIUM DI BORIDE BY FLUORINE BOMB CALORIMETRY	CE 1926
ZIRCONIUM-90	THE EFFECTIVE INTERACTION AND IDENTICAL NUCLEON SENIORITY FOR NUCLEI NEAR ZIRCONIUM-90	PH 2048
ZIRCONIUM	PROPERTIES OF CAPTURE GAMMA-RAY SPECTRA OF S-WAVE AND P-WAVE RESONANCES IN ZIRCONIUM, NIOBIUM AND MOLYBDENUM	PH 1984
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ZPR-III	SAFETY ANALYSIS OF PLUTONIUM LOADINGS IN ZPR-III - ADDENDUM TO ANL-6408, HAZARD EVALUATION REPORT ON THE FAST REACTOR ZERO POWER EXPERIMENT (ZPR-III)	ID 2173
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