

CULHAM LABORATORY	LIBRARY
11 AUG 1964	
R	a

CULHAM LIBRARY
REFERENCE ONLY



United Kingdom Atomic Energy Authority

RESEARCH GROUP

Bibliography

MAGNETIC MIRROR MACHINES

A Bibliography
compiled by
L. S. FRANCIS

Culham Laboratory,
Culham, Abingdon, Berkshire
1964

Available from H. M. Stationery Office

FIVE SHILLINGS NET

© - UNITED KINGDOM ATOMIC ENERGY AUTHORITY - 1964

Enquiries about copyright and reproduction should be addressed to the
Librarian, Culham Laboratory, Culham, Abingdon, Berkshire, England.

U.D.C.
016:N.624
N.624

UNCLASSIFIED
(Approved for Sale)

CLM - Bib 5

MAGNETIC MIRROR MACHINES

A BIBLIOGRAPHY

Compiled by

L.S. FRANCIS

Library,
U.K.A.E.A. Research Group,
Culham Laboratory,
Nr. Abingdon,
Berks.

February, 1964

(C/18 JEG)

INTRODUCTION

The references in this bibliography have been culled from all available sources and cover a period from 1954 to the early part of 1963. They refer, in the main, to nuclear fusion devices and experiments which employ a "magnetic mirror" geometry although some references to cusp geometries have been included.

The references are arranged alphabetically by the name of the first author, with joint authors intercalated, and three indexes are provided to subjects, report numbers and journal titles respectively.

C O N T E N T S

	<u>Page</u>
INTRODUCTION	
BIBLIOGRAPHY	1
INDEX TO SUBJECTS	29
INDEX TO REPORT NUMBERS	32
INDEX TO JOURNAL TITLES	36

BIBLIOGRAPHY

1. ALBITSKAYA, E.A. and SOKOLOV, Yu.L.L.
Method of measurement of electric fields
and of concentration of the 'hot' component
in plasma.
I.A.E.A. Conference on Plasma Physics and
Controlled Nuclear Fusion Research,
Salzburg, 1961. Paper no. CN - 10/214, 1961.
(In Russian) (Abstract only in published
proceedings.)
2. ALEXEFF, I. and NEIDIGH, R.V.
Confinement of a deuterium plasma
between magnetic mirrors.
ORNL - 3392, pp.35-38, March, 1963.
3. ALEXEFF, I., NEIDIGH, R.V. and SHIPLEY, E.D.
Experiments concerning the magnetic
confinement of a cold plasma.
J. Nucl. Energy (Pt.C), Plasma Physics,
vol.4, no.4, pp.263-266, August, 1962.
4. ALEXEFF, I., NEIDIGH, R.V. and SHIPLEY, E.D.
Optimum energy for plasma confinement.
Phys. Fluids, vol.6, no.3, pp.450-451,
March, 1963.
5. ALEXEFF, I. and others.
Random injection into a mirror geometry.
Amer. Phys. Soc. Bull., series 2, vol.7,
no.6, p.405, June 19, 1962.
6. ALIDIERES, M. and others.
Compte-rendu d'une experience de
decharge par induction dans une configura-
tion magnetique a miroirs. (Report of an
induced discharge experiment in a magnetic
mirror geometry.)
C.E.A. Report SNE - 32, 8p. April, 1959.
(In French)
7. ALIDIERES, M.
Electrical discharge in a magnetic
mirror configuration.
Fourth Conference on Ionization Phenomena
in Gases, Uppsala, August, 1959.
Proceedings, pp.1042-1045.
C.E.A. Report DRP-41, 6p. September, 1959.
8. ALIDIERES, M. and others.
Problemes tres a la compression et la
detente du plasma dans une configuration a
miroirs. (Problems connected with the
compression and expansion of plasma in a
mirror configuration.)
C.E.A. Report SNE - 25, 10p. March, 1959.
(In French)
Also reported in CERN Fusion Study Group
Fourth Meeting (CERN/FSG/11).
9. ALLEN, J. and others.
The design of a cusp compression
experiment (SPICE).
Euratom - C.E.A. Fusion Research Group.
Colloquium on Technical Problems in Con-
trolled Fusion Research. Fontenay-aux-Roses,
17-20 April, 1962. p.62.
10. ALLEN, J.E.
Magnetic confinement and different
machines.
Int. School of Physics 'Enrico Fermi',
Course 13, Varenna, September, 1959.
Proceedings, pp.61-68.
11. ALLEN, R.J.
A demonstration of the magnetic mirror
effect.
Amer. J. Phys., vol.30, no.12, pp.867-
869, December, 1962.
12. ALLEN, T.K., SPALDING, I.J. and HOTSTON, E.S.
Cusp compression experiment.
Amer. Phys. Soc. Bull., series 2, vol.8,
no.5, p.424, June, 1963.
13. ALLEN, T.K., McWHIRTER, R.W.P. and
SPALDING, I.J.
Experiments on cusp compression.
Nuclear Fusion; 1962 supp., Pt.1,
pp.67-73, 1962.
14. ALLIS, W.P.
Nuclear Fusion.
New Jersey. Van Nostrand Co. Inc. 1960. 488p.
pp.214-264. Pyrotrons. (Based on the
Second Geneva Conference papers.)

ALLIS, W.P. 49, 50.
15. ALSMILLER, R.G.
The effect of partially ionized impur-
ities on a DCX device.
ORNL - 2581, 21p. October, 1958.
16. ANTROPOV, G.M., BELYAEV, V.A. and
ROMANOVSKII, M.K.
The behaviour of fast electrons in an
electron model of a trap with magnetic
plugs.
In Plasma physics and the problem of con-
trolled thermonuclear reactions. vol.III,
pp.301-311. Pergamon Press. 1959.
In Fiz. plasmy i probl. upravljaemyh
termojadern. reakcij. vol.III, pp.250-
258. Moscow 1958. (In Russian)

ARD, W.B. 35.
17. ARTEMENKOV, L.I. and others.
A device for measuring the charged-
particle losses from a magnetic trap where
the losses are caused by non-conservation
of adiabatic invariance.
I.A.E.A. Conference on Plasma Physics and
Controlled Nuclear Fusion Research,
Salzburg, 1961. Paper no. CN - 10/213,
1961. (In Russian) (Abstract only in
published proceedings.)

ARTEMENKOV, L.I. 197, 199.
18. ARTSIMOVICH, L.A.
Entropy trapping of a plasma by a rever-
sal of the magnetic bottle configuration.
Atomnaya Energiya, vol.8, no.6, p.562,
June, 1960. (In Russian)
Trans. in Soviet J. Atomic Energy, vol.8,
no.6, p.485, July, 1961.

19. ARTSIMOVICH, L.A.
 Research on controlled thermonuclear reactions in the U.S.S.R.
 Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy. Geneva, September 1-13, 1958. vol.31, pp.6-20.
Progr. Nucl. Energy. series XI. Plasma Physics and Thermonuclear Research, vol.1, pp.6-32, 1959.
20. ASKAR'YAN, G.A.
 The projection of plasma bunches through magnetic fields (Magnetodynamic traps).
Zhur. Tekh. Fiz., vol.32, no.6, pp.674-677, June, 1962.
 Trans. in Soviet Physics-Technical Physics, vol.7, no.6, pp.492-494, December, 1962.
- AVIVI, P. 236.
- AYMAR, R. 6, 7, 8.
21. BABYKIN, M.V. and others.
 Capture and containment of a turbulently heated plasma in a magnetic trap.
Zhur. Eksp. Teoret. Fiz., vol.43, no.4, pp.1547-1549, October, 1962. (In Russian)
 Trans. in Soviet Physics-JETP, vol.16, no.4, pp.1092-1094, April, 1963.
22. BAIBORODOV, Yu.T. and others.
 An adiabatic trap with combined magnetic field.
Atomnaya Energiya, vol.14, p.443, May, 1963. (In Russian)
 Trans. in J. Nucl. Energy, Pt.C, vol.5, no.6, pp.409-410, November/December, 1963.
23. BAILEY, L.E.
 Crossed electric and magnetic field multichannel ion analyzer for TABLE TOP.
Rev. Sci. Instrum., vol.31, no.10, p.1147, October, 1960.
- BAKER, J.C. 34.
24. BALEBANOV, V.M. and others.
 Motion of individual charged particles in a trap with magnetic mirrors of the OGRA type.
 I.A.E.A. Conference on Plasma Physics and Controlled Nuclear Fusion Research, Salzburg, 1961. Paper no. CN-10/211. (In Russian) (Abstract only in published proceedings.)
 English trans. in AEC-tr-5589, pp. 637-677, February, 1963.
25. BALEBANOV, V.M. and others.
 Study of the motion of individual charged particles in corrugated magnetic fields.
 Moscow. Kurchatov Institute. 1963. 30p. (In Russian)
26. BANISTER, J.R., BECKNER, E.H. and JONES, R.D.
 Assembly of an Ar plasma in a magnetic mirror geometry.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.172, 1963. (Abstract only).
 BANISTER, J.R. 36.
27. BARIAUD, A. and others.
 Etude de la transmission d'un jet de plasma à travers une barrière magnétique. (Study of the transmission of a plasma jet across a magnetic barrier). EUR-CEA-FC-130, 18p. November, 1961.
 Paper given at American Physical Society, Plasma Physics Division, third annual meeting, Colorado Springs, November 15-18, 1961.
28. BARNETT, C.F., GAUSTER, W.B. and RAY, J.A.
 Atomic and molecular collision cross-sections of interest in controlled thermonuclear research.
 ORNL-3113, 176p. May, 1961.
29. BARNETT, C.F. and others.
 Energy distribution of protons in DCX.
Nuclear Fusion, vol.1, no.4, pp.264-272, December, 1961.
30. BARNETT, C.F. and others.
 Lifetimes of fast ions in the plasma of DCX.
Phys. Rev. Lett., vol.6, no.11, p.589, June 1, 1961.
31. BARNETT, C.F. and others.
 The Oak Ridge thermonuclear experiment. Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy. Geneva, September, 1-13, 1958. vol.31, pp.298-304.
Progr. Nucl. Energy. series XI. Plasma Physics and Thermonuclear Research. vol.1, pp.196-207, 1959.
 BARNETT, C.F. 123.
- BARR, W.L. 452.
32. BAZHANOVA, A.E. and others.
 Cyclotron and thermal radiations of plasma in OGRA.
Nuclear Fusion, 1962 suppl. Pt.1, pp.227-232, 1962. (In Russian). English trans. in AEC-tr-5589, pp.65-82, February, 1963.
33. BEARD, D.B.
 Cyclotron radiation from magnetically confined plasmas.
Phys. Fluids, vol.2, no.4, pp.379-389, July-August, 1959.
34. BEARD, D.B. and BAKER, J.C.
 Synchrotron radiation from mirror machine geometries.
Phys. Fluids, vol.4, pp.611-618, 1961.

35. BECKER, M.C. and others.
An investigation of electron heating at the cyclotron frequency.
Nuclear Fusion; 1962 suppl., Pt.1, pp.345-352, 1962.
36. BECKNER, E.H. and BANISTER, J.R.
Assembly of an Ar plasma in a magnetic cusp geometry.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.173, 28 February, 1963.
- BECKNER, E.H. 26.
37. BELL, P.R. and others.
Analytical techniques and basic experiments related to plasma accumulation by high energy injection.
I.A.E.A. Conference on Plasma Physics and Controlled Nuclear Fusion Research, Salzburg, 1961. Paper no. CN-10/159, 1961. (Abstract only in published proceedings).
38. BELL, P.R. and others.
The DCX-2 program of plasma accumulation by high energy injection.
Nuclear Fusion; 1962 suppl., Pt.1, pp.251-258, 1962.
39. BELL, P.R. and others.
Engineering features of DCX-2.
ORNL-3325, 28p. July, 1963.
40. BELL, P.R. and others.
Initial experiments with DCX-2.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.171, 1963. (Abstract only).
41. BELL, P.R. and others.
Proposal for a thermonuclear experiment involving injection of molecular ions at 600 keV, dissociation by multiple passes through an arc, and exponentiation upon the resulting trapped atomic ion populations.
ORNL-CF-60-1-73, 86p. March, 1960.
42. BELL, P.R.
Recent Sherwood work at ORNL.
Proceedings of the Conference on Controlled Thermonuclear Reactions, A.E.R.E. Harwell, 20-21 June, 1957, vol.2, Recent developments. AERE GP/R 2371, ch.16, 1958.
43. BELL, P.R.
Status of Sherwood at the Oak Ridge National Laboratory.
Controlled Thermonuclear Conference, Washington, February 3-5, 1958.
TID-7558, pp.6-7, October, 1958.
- BELL. P.R. 31, 315.
44. BELYAEV, V.A. and BREVNOK, N.N.
The electrostatic channel to inject ion beam in the magnetic trap.
Atomnaya Energiya, vol.13, no.6, pp.581-583, 1962. (In Russian)
Trans. in J. Nucl. Energy, Pt.C, Plasma Physics, vol.5, no.2, pp.121-122, March-April, 1963.
- BELYAEV, V.A. 16.
45. BENDANIEL, D.J.
Approximate asymptotic speed distribution of ions in a 'long' magnetic mirror system.
Phys. Fluids, vol.4, pp.1447-1448, November, 1961.
46. BENDANIEL, D.J.
Asymptotic scattering loss from a 'long' magnetic mirror system.
UCRL-6554, 12p. October, 1961.
47. BENDANIEL, D.J.
A brief discussion of some factors related to the economics of steady-state deuterium mirror machine operation.
G.E.C. (Schenectady) Report no.61-RL-2725E, 22p. May, 1961.
48. BENDANIEL, D.J.
Plasma potential in a magnetic mirror system.
J. Nucl. Energy. Pt.C, Plasma Physics, vol.3, pp.235-241, October, 1961.
UCRL-6235, 15p. January, 1961.
49. BENDANIEL, D.J. and ALLIS, W.P.
Scattering loss from magnetic mirror systems, Part I.
J. Nucl. Energy, Pt.C, Plasma Physics, vol.4, pp.31-51, January, 1962.
50. BENDANIEL, D.J. and ALLIS, W.P.
Scattering loss from magnetic mirror systems, Part II.
J. Nucl. Energy, Pt.C, Plasma Physics, vol.4, pp.79-88, April, 1962.
51. BENDANIEL, D.J.
A theory of scattering loss from a magnetic mirror system.
UCRL-6236, 57p. March, 1961.
52. BERKOWITZ, J.
Computation of two-dimensional free cusped surfaces.
Conference on Controlled Thermonuclear Reactions, June 4-7, 1956, Gatlinburg, Tenn.
TID-7520, pp.394-399, September, 1956.
53. BERKOWITZ, J. and others.
Cusped geometries.
Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy. Geneva, September 1-13, 1958. vol.31, pp.171-176.

54. BERKOWITZ, J.
 Theory of cusped geometries. II.
 Particle losses.
 NYO-2536, 21p. January, 1959.
- BERKOWITZ, J. 212.
55. BETTIS, E.S.
 Magnetic coil design for DCX-1.
 Proc. of Symposium on Magnetic Field Design
 in Thermonuclear Research, held at
 Gatlinburg, Tenn., December 11 and 12, 1958.
 ORNL-2745, pp.8-9, 1958.
- BEZBATCHENKO, A.L. 17.
56. BINEAU, M. and others.
 Magnetic mirror machines, pt.1.
 Nucl. Instrum. Meth., vol.4, pp.282-289,
 1959. (In French).
57. BINEAU, M. and others.
 Magnetic mirror machines, pt.2.
 Nucl. Instrum. Meth., vol.4, pp.290-321,
 1959. (In French).
58. BING, G.F. and ROBERTS, J.E.
 End-losses from mirror machines.
 Phys. Fluids, vol.4, pp.1039-1046,
 August, 1961.
59. BING, G.F. and others.
 Some calculations of end losses in
 mirror machines.
 TID-7503, pp.113-120, February, 1956.
 UCRL-4601, November, 1955.
- BING, G.F. 176.
60. BISHOP, A.S.
 Project Sherwood; the U.S. program in
 controlled fusion.
 Reading Mass. Addison-Wesley Pub. Co. Inc.
 1958. pp.51-64, Magnetic mirror program
 (pt.1).
 pp.119-131, Magnetic mirror program (Pt.2).
61. BLUE, C.W.
 An ion source for magnetic mirror
 machines.
 Conference on Controlled Thermonuclear
 Reactions, Princeton University.
 October 17-20, 1955.
 TID-7503, pp.326-334, February, 1956.
62. BOESCHOTEN, F. and SCHWIRZKE, F.
 Investigation of a stationary plasma in
 a magnetic field.
 Nuclear Fusion, vol.2, no.1-2, pp.54-65,
 September, 1962.
63. BOGDANOV, G.F., PANOV, D.A. and SEMASHKO, N.N.
 Lifetime of fast ions in OGRA.
 J. Nucl. Energy, Pt.C, Plasma Physics,
 vol.3, pp.106-114, April, 1961.
64. BOGDANOV, G.F. and others.
 Properties of a plasma formed by the
 injection into OGRA of a beam of fast mole-
 cular hydrogen ions.
 Nuclear Fusion; 1962 suppl., Pt.1, pp.215-
 225, 1962. (In Russian).
 English trans. in AEC-tr-5589, pp.29-64,
 February, 1963.
- BOGDANOV, G.F. 197, 199.
65. BOROVICK, E.S. and others.
 The use of a helium condensation pump
 for pumping of magnetic traps.
 Zhur. Tekh. Fiz., vol.33, no.1, p.100,
 January, 1963. (In Russian).
 Trans. in Soviet Physics-Technical Physics,
 vol.8, no.1, pp.68, July, 1963.
- BOSTICK, W.H. 119.
66. BRACHET, C. and VASSEUR, P.
 Apparatus producing a plasma arc with a
 view to internal injection in a magnetic
 bottle.
 C.R. Acad. Sci., Paris, vol.253, pp.86-
 88, July 3, 1961.
- BRAMM, D.R. 89.
- BRENNAN, M.H. 235.
67. BREVNOK, N.N. and TOMASHUK, Yu.F.
 The effects of magnetic field local
 disturbances on plasma confinement in a
 magnetic adiabatic trap.
 Atomnaya Energiya, vol.13, no.5, pp.421-
 428, 1962. (In Russian).
68. BREVNOK, N.N., ROMANOVSKY, M.K. and
 TOMASHUK, Yu.F.
 Investigation of plasma in the adiabatic
 'OGRENOK' trap.
 Nuclear Fusion; 1962 suppl., Pt.1, pp.289-
 298. (In Russian).
 English trans. in AEC-tr-5589, pp.97-125,
 February, 1963.
69. BREVNOK, N.N. and MATULIS, A.I.
 The passage of a plasmoid through an
 adiabatic trap with magnetic mirrors.
 Atomnaya Energiya, vol.14, pp.354-358,
 April, 1963. (In Russian).
- BREVNOK, N.N. 44.
- BROWN, R.L. 182.
70. BUDKER, G.I.
 Thermonuclear reactions in a system with
 magnetic stoppers and the problem of direct
 transformation of thermonuclear energy into
 electrical energy; physical principles and
 preliminary calculations.
 In Plasma physics and the problem of con-
 trolled thermonuclear reactions, edited by
 M.A. Leontovich, vol.3, pp.1-33.
 Pergamon Press, 1959.
 In Fiz. plazmy i probl. upravleniya
 termojadern. reakcij. vol.3, pp.3-31.
 Moscow. 1958. (In Russian).

71. BULGYNISKI, D.G. and others.
 Pulse methods for measuring the energy distribution of particles emitted by a plasma.
 I.A.E.A. Conference on Plasma Physics and Controlled Nuclear Fusion Research, Salzburg, 1961. Paper no. CN-10/240, 1961. (In Russian) (Abstract only in published proceedings.)
- BULGYNISKI, D.G. 348.
- BUSOL, F.J. 65.
72. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Abstracts of papers to be presented at the meeting on Theoretical Aspects of Controlled Thermonuclear Fusion, held at University of California, Lawrence Radiation Laboratory, Berkeley, California, April 8-9, 1963.
 UCRL-10740, 28p. April, 1963.
73. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report, December, 1958 - February, 1959.
 UCRL-8682, 81p. February, 1960.
74. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report, March, April, May, 1959.
 UCRL-8775, 102p. June, 1959.
75. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report, June-August, 1959.
 UCRL-8887, 143p. September, 1959.
76. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report, September-November, 1959.
 UCRL-9002, 148p. December, 1959.
77. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report for December, 1959 - February, 1960.
 UCRL-9106, 122p. March, 1960.
78. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report, March-May, 1960.
 UCRL-9243, 136p. June, 1960.
79. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report for June-August, 1960.
 UCRL-9393, 107p. 1960.
80. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report, September-November, 1960.
 UCRL-9500, 119p. December, 1960.
81. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report, December, 1960 - February, 1961.
 UCRL-9598, 98p. March, 1961.
82. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, quarterly report, March-June, 1961.
 UCRL-9777, 157p. August, 1961.
83. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, semi annual report July-December, 1961.
 UCRL-9969, 229p. January, 1962.
84. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, semi annual report January-June, 1962.
 UCRL-10294, 112p. July, 1962.
85. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY.
 Controlled thermonuclear research, semi annual report July-December, 1962.
 UCRL-10607, 98p. January, 1963.
86. CALIFORNIA UNIVERSITY. LAWRENCE RADIATION LABORATORY, LIVERMORE.
 Pyrotron program progress report.
 UCRL-5183-T, March, 1958.
- CARLSON, N.W. 89, 129.
- CARR, M.L. 410.
87. CHAMBERS, E.S. and others.
 Cyclotron resonance heating of a plasma in a magnetic mirror.
 UCRL-5286, June, 1958.
- CHERNIJ, B.M. 443, 444.
- CHUKHIN, I.A. 17.
- CHUVATIN, S.A. 312.
88. CIRIKOV, B.V.
 Resonance processes in magnetic traps.
Atomnaya Energiya, vol.6, no.6, pp.630-638, 1959. (In Russian).
 Trans. in *J. Nucl. Energy*, Pt.C, vol.1, pp. 253-260, 1960.
- CLARK, M. 415.
89. COENSGEN, F. and others.
 Design and fabrication of solenoids for high magnetic fields.
 UCRL-4544, 51p. December, 1955, declassified 1958.

90. COENSGEN, F.H. and others.
Evidence of containment of a 3-keV deuterium plasma.
Phys. Rev. Lett. vol.5, no.10, pp.459-461, November 15, 1960.
91. COENSGEN, F.H.
Experimental evidence for plasma heating by magnetic compression.
Conference on Thermonuclear Reactions, University of California Radiation Laboratory, Livermore, February 7-9, 1955.
WASH-289, pp.222-237, 1955.
92. COENSGEN, F.H., CUMMINS, W.F. and SHERMAN, A.E.
Multistage magnetic compression of highly ionized plasma.
Phys. Fluids, vol.2, no.4, pp.350-361, July-August, 1959.
93. COENSGEN, F.H.
Plasma confinement in magnetic mirror fields.
pp.670-680. Proceedings of the International Conference on High Magnetic Fields held at Massachusetts Institute of Technology, Cambridge, Mass. November 1-4, 1961.
Edited by H. Kolm and others.
M.I.T. Press, 1962, 762p.
94. COENSGEN, F.H. and others.
Plasma containment in a low-gradient magnetic mirror system.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.172, 1963. (Abstract only).
95. COENSGEN, F.H.
Progress report of TOY TOP experiments.
Conference on Thermonuclear Reactions, Princeton University, October 26-27, 1954.
WASH-184, pp.30-37, January, 1955, declassified 1959.
96. COENSGEN, F.H., SHERMAN, A.E. and SHOWALTER, D.E.
Progress report on TOY TOP.
TID-7503, p.92, February, 1956.
UCRL-4611, November, 1955.
97. COENSGEN, F.H., FORD, F.C. and ELLIS, R.E.
Pyrotron plasma-heating experiments.
Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy. Geneva, September 1-13, 1958. vol.32, pp.266-272.
UCRL-5045, 18p. May, 1958.
98. COENSGEN, F.H., HALES, R.W. and HOWARD, J.C.
Shock ionization source and preliminary experiments.
UCRL-4402 (Del.), 23p. November, 1954.
99. COENSGEN, F.H., CUMMINS, W.F. and SHERMAN, A.E.
TOY TOP experiment.
TID-7558, pp.211-218, October, 1958.
UCRL-5140.
100. COENSGEN, F.H., CUMMINS, W.F. and SHERMAN, A.E.
TOY TOP plasma injector.
UCRL-5603-T, 5p. May, 1959.
101. COENSGEN, F.H.
TOY TOP ϕ B - a multistage high compression experiment.
TID-7536, pp.159-167, September, 1957.
UCRL-4843.
102. COFFEY, D.L. and others.
Magnetic field calculation, ion trajectories and magnetic coil design.
ORNL-3011, pp.80-101.
103. COFFEY, D.L. and others.
Magnetics.
ORNL-3104, pp.99-120.
- COFFEY, D.L. 41.
104. COLGATE, S.A.
Liquid-sodium instability experiment, pt.2.
UCRL-4580, 11p. September, 1955, declassified 1958.
A magnetohydrodynamic model of plasma magnetic field instabilities, using liquid sodium, has been observed. The growth of flutes in the mirror geometry was observed for the case of $\beta = nkT/B^2/8\pi = 1$.
105. COMBES, L.S., GALLAGHER, C.C. and LEVINE, M.A.
Plasma behaviour in a ROMAC magnetic field.
Phys. Fluids, vol.5, no.9, pp.1070-1075, September, 1962.
AFCRL-62-810.
AD-287 923, 17p. July, 1962.
An attempt was made to combine the basic stability advantages of four-pole line cusp with the low loss rate of a mirror field. The magnetic field for ROMAC was produced by adding a mirror field orthogonally to the cusp field.
- COMBES, L.S. 289, 290.
106. COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL.
Improvements in or relating to particle confining devices.
British Patent 881, 559, November, 1961.
107. COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL.
Improvements in or relating to plasma confining devices.
British Patent 883,707, 4p. December, 1961.
108. COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL.
Perfectionnements aux dispositifs à miroirs magnétiques pour production de hautes température de plasma. (Improvements to magnetic mirror devices for producing high temperature plasmas.)
French Patent 1,224,262, June, 1960.
(In French).

- CONSOLO, T. 56, 57.
- CULVER, J.S. 39.
109. CUMMINGS, D.B.
SQUASH COURT II circuitry.
Conference on Thermonuclear Reactions,
University of California, Radiation
Laboratory, Livermore, California.
February 7, 8, and 9, 1955.
WASH-289, pp.238-243, June, 1955.
110. CUMMINGS, D.B. and WHARTON, C.B.
TABLE TOP I circuitry.
UCRL-4362 (Del.), 47p. July, 1954.
- CUMMINGS, D.B. 223.
111. CUMMINS, W.F.
Diagnostic techniques of the high compression and neutral injection experiments.
Trans. Inst. Radio Engrs., Nucl. Sci.
vol. NS-8, no.4, pp.71-76, October, 1961.
UCRL-6492-T.
- CUMMINS, W.F. 90, 92, 99, 100.
112. DAMM, C.C. and others.
Co-operative oscillations in a high-temperature plasma formed by neutral atom injection.
Phys. Rev. Lett., vol.10, no.8, pp.323-326, April 15, 1963.
UCRL-7250-T, 8p. February, 1963.
113. DAMM, C.C., HOWARD, J.C. and WHARTON, C.B.
Plasma diagnostic developments in the UCRL Pyrotron program.
UCRL-5048.
114. DAMM, C.C. and others.
Plasma production by the trappings of energetic atoms.
Nuclear Fusion, vol.1, no.4, pp.280-285, December, 1961.
UCRL-6393, 21p. June, 1961.
115. DAMM, C.C. and EBY, F.S.
Pyrotron high-energy experiments.
Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy. Geneva, September 1-13, 1958, vol.32, pp.273-274.
UCRL-5046, 5p. April, 1958.
116. DAMM, C.C.
Thermonuclear experiments at UCRL.
UCRL-5374, 12p. November, 1958.
- DAMM, C.C. 126, 127, 169, 200, 453.
- DANDL, R.A. 35, 123, 261.
- DAY, T.B. 456.
- DE CAMP, S.M. 39.
117. DELCROIX, J-L, and QUEMADA, D.
Possibilite d'obtenir une amplification de la densite electronique dans une bouteille magnetique. (The possibility of obtaining an amplification of the electron density in a magnetic mirror machine.)
C.R.Acad. Sci., Paris, vol.249, no.11, pp.994-996, September 14, 1959. (In French).
118. DEMIRKHANOV, R.A., GUTKIN, T.I. and SOLDATENKO, T.R.
Particle containment in a corrugated system with a current.
Zhur. Tekh. Fiz., vol.33, no.5, pp.544-549, May, 1963. (In Russian).
Trans. in Soviet Physics-Technical Physics, vol.8, no.5, pp.402-405, November, 1963.
119. DIMARCO, J.N. and BOSTICK, W.H.
Experimental observations of colliding plasmas in cusped and mirror-geometry magnetic fields.
Phys. Fluids, vol.5, no.7, p.866, July, 1962.
120. Direct Current Experiment.
Atompraxis, vol.5, no.9, p.373, 1959. (In German).
- DOLMATOVA, K.A. 71, 348.
121. DREICER, H. and others.
Cyclotron resonance in the static magnetic field of a helix.
Nuclear Fusion; 1962 suppl., Pt.1, pp.299-312, 1962.
122. DUNLAP, J.L.
The Oak Ridge thermonuclear program - recent advances in the DCX.
Trans. Inst. Radio Engrs., Nucl. Sci., vol.NS.7, no.4, pp.19-25, December, 1960.
123. DUNLAP, J.L. and others.
Radiation and ion energy distributions of the DCX-1 plasma.
Nuclear Fusion; 1962 suppl., Pt.1, pp.233-237, 1962.
124. DUNLAP, J.L. and others.
rf-correlated phenomena in the DCX-1 plasma.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.171, 1963. (Abstract only).
- DUNLAP, J.L. 29, 30.
125. DYKHNE, A.M.
On the accuracy of the adiabatic invariant of a particle in a high density plasma.
Zhur. Eksp. Teoret. Fiz., vol. 40, pp.863-865, March, 1961. (In Russian).
Trans. in Soviet Physics-JETP, vol.13, no.3, pp.605-606, September, 1961.
- EASON, H.O. 35.
126. EBY, F.S., DAMM, C.C. and POPP, E.C.
FELIX experiment.
TID-7536, pp.168-169, September, 1957.
127. EBY, F.S., and DAMM, C.C.
The FELIX experiment.
TID-7558, pp.168-183, October, 1958.

- EBY, F.S. 115.
128. EDWARDS, D.A.
Progress report on TABLE TOP measurements.
Conference on Thermonuclear Reactions, University of California, Radiation Laboratory, Livermore, February 7-9, 1955. WASH-289, pp.141-143, 1955.
- EDWARDS, D.A. 147.
- EDWARDS, R.S. 29, 30.
- EHRLICH, M.P. 491.
- ELDRIDGE, O.C. 429.
129. ELLIS, R.E. and CARLSON, N.W.
Calibrated scintillator probe for determining energy distribution, density and mean energy of the electronic component of a Pyrotron plasma.
Rev. Sci. Instrum., vol.32, pp.1367-1372, December, 1961.
130. ELLIS, R.E.
Computer-calculated currents in coupled Pyrotron-pulsed coils.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.172, 1963. (Abstract only).
131. ELLIS, R.E. and PARKER, N.L.
Electron energy distribution.
TID-7558, pp.195-204, October, 1958.
UCRL-5117.
- ELLIS, R.E. 97, 386.
132. ENGLAND, A.C. and others.
Electric dissociation of deuterium in a plasma heated at the electron-cyclotron frequency.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.168, 1963. (Abstract only).
- ENGLAND, A.C. 35.
- ETIENNE, C. 6, 7.
133. EUROPEAN CENTRE FOR NUCLEAR RESEARCH, Geneva.
CERN Study Group on Fusion. Fourth meeting, Harwell, June 18-20, 1959. CERN/FSG/11, 34p. August, 1959.
Includes reports of experimental and theoretical mirror machine work.
134. EUROPEAN CENTRE FOR NUCLEAR RESEARCH, Geneva.
CERN Study Group on Fusion. Fifth meeting, Munich, November 26-28, 1959. CERN/FSG/12, 48p. February, 1960.
Includes reports of progress on mirror machines.
135. EUROPEAN CENTRE FOR NUCLEAR RESEARCH, Geneva.
European Study Group on Fusion. Sixth meeting, Paris (Fontenay-aux-Roses), June 23-25, 1960. CERN/FSG/13, 39p. October, 1960.
136. EUROPEAN CENTRE FOR NUCLEAR RESEARCH, Geneva.
European Study Group on Fusion. Seventh meeting, Rome (Frascati), April 6-8, 1961. CERN/FSG/14, 77p. June, 1961.
137. EUROPEAN CENTRE FOR NUCLEAR RESEARCH, Geneva.
European Study Group on Fusion. Eighth meeting, Amsterdam, May 16-18, 1962. CERN/FSG/15, 131p. August, 1962.
- EZELL, J.C. 39.
138. FASOLO, F.A.
Arc research: minimum power coil geometries for D.C. magnetic mirrors.
UCRL-4550, 11p. August, 1955.
139. FASOLO, F.A.
Review of hot-cathode ion source development for the pulsed magnetic mirror thermonuclear reactor program.
UCRL-5285, 32p. July, 1958.
- FAUST, W.R. 215.
- FEDEROCHENKO, V.D. 443, 444.
- FINKELSTEIN, D. 493.
140. FISCHHOFF, E., PREVOT, F. and SLEDZIEWSKI, Z.
Vacuum and ultravacuum in an ion injection and magnetic mirror experiment.
Vide, vol.17, no.99, pp. 195-200, May-June, 1962. (In French).
AERE-Trans 954, 8p. 1963.
- FOOTE, J.H. 112.
141. FORD, F.C.
The design of a pulsed magnetic field coil for TABLE TOP I.
UCRL-4372, 14p. May, 1955, declassified 1958.
142. FORD, F.C.
An enhanced magnetic mirror machine.
UCRL-4363, 33p. July, 1954, declassified 1958.
143. FORD, F.C. and ZIZZO, S.G.
General experimental results (TABLE TOP results).
TID-7558, pp.184-194, October, 1958.
UCRL-5112.
144. FORD, F.C.
Reflection of electrons by a model magnetic mirror machine.
UCRL-4339, 12p. May, 1954, declassified 1958.

145. FORD, F.C. and ZIZZO, S.G.
 TABLE TOP ion source.
 UCRL-4350, 16p. June, 1954, declassified
 1958.
146. FORD, F.C. and others.
 TABLE TOP progress report.
 Conference on Controlled Thermonuclear
 Reactions, Gatlinberg, June 4-7, 1956.
 TID-7520, pp.153-154, September, 1956.
147. FORD, F.C. and EDWARDS, D.A.
 TABLE TOP II progress report.
 TID-7503, pp.95-99, February, 1956.
 UCRL-4604, November, 1955.
148. FORD, F.C. and ZIZZO, S.G.
 TABLE TOP II. Report of progress.
 TID-7536, pp.147-157, September, 1957.
 UCRL-4846.
- FORD, F.C. 97.
- FORD, F.G. 386.
149. FOWLER, T.K., RANKIN, M. and SIMON, A.
 Boundary conditions and conservation
 properties of FOPP, a plasma Fokker-Plank
 code.
 ORNL-CF-59-2-75, 15p. February, 1959.
150. FOWLER, T.K.
 Calculation of the 'negative mass'
 instability for DCX-1.
 ORNL-CF-61-7-1, 11p. July, 1961.
151. FOWLER, T.K. and RANKIN, M.
 Containment properties of DCX.
 ORNL-CF-59-6-32, 8p. June, 1959.
152. FOWLER, T.K.
 Effect of energy degradation on the
 critical current in an OGRA-type device.
 ORNL-3037, 23p. January, 1961.
153. FOWLER, T.K.
 Effect of plasma potential on DCX
 steady state.
 ORNL-2914, 26p. March, 1960.
154. FOWLER, T.K. and RANKIN, M.
 Energy distribution of ions and elec-
 trons in DCX after burnout: Oracle code
 Eddie.
 ORNL-3161, 28p. September, 1961.
155. FOWLER, T.K. and SIMON, A.
 Energy transfer to cold electrons in
 DCX.
 ORNL-2552, 14p. August, 1958.
156. FOWLER, T.K. and RANKIN, M.
 Plasma potential and energy distribu-
 tions in high-energy injection machines.
 J. Nucl. Energy, Pt.C, Plasma Physics,
 vol.4, no.5, pp.311-320, 1962.
157. FOWLER, T.K.
 Plasma potential in DCX.
 Amer. Phys. Soc. Bull., series 2, vol.7,
 no. 1, p.13, January 24, 1962.
158. FOWLER, T.K.
 Secondary plasma growth. Paper given
 at the meeting on Theoretical Aspects of
 Controlled Thermonuclear Fusion, New York
 University, April 30 - May 1, 1962.
 (Abstract only).
 NYO-10424, 33p. July, 1962.
159. FOWLER, T.K.
 Stability of plasmas against electro-
 static perturbations.
 Phys. Fluids, vol.4, no.1, pp.1393-1398,
 November, 1961.
 ORNL-3162, 28p. August, 1961.
- FOWLER, T.K. 407.
- FRIEDRICH, K.O. 53.
160. FUKUI, S. and others.
 Motion of electrons in a magnetic
 bottle, I.
 Kakuyugo Kenkyu, vol.4, p.325, 1960.
 (In Japanese).
161. FUKUI, S. and others.
 Motion of electrons in a magnetic
 bottle, II.
 Kakuyugo Kenkyu, vol.8, no.3, pp.165-
 234, 1962. (In Japanese).
162. FUKUI, S. and others.
 Motion of electrons in a magnetic
 bottle, III.
 Kakuyugo Kenkyu, vol.8, no.3, pp.275-
 318, 1962. (In Japanese).
163. FUKUI, S. and others.
 Motion of electrons in a magnetic
 bottle, IV.
 Kakuyugo Kenkyu, vol.10, no.1, pp.1-21,
 1963. (In Japanese).
164. FUKUI, S. and others.
 Motion of electrons in a magnetic
 bottle.
 IPPJ-2, 41p. December, 1962.
165. FULBRIGHT, H.W.
 A hooded arc ion source with a magnetic
 mirror feature.
 NYO-9358, 6p. January, 1961.
166. FURTH, H.P.
 Ion cyclotron waves in mirror geometry.
 UCRL-5423-T, 6p. February, 1959.
167. FURTH, H.P.
 The 'mirror instability' for finite
 particle gyro-radius.
 Nuclear Fusion; 1962 suppl., Pt.1,
 pp.169-175, 1962.
 UCRL-6384.

168. FURTH, H.P., LEVINE, M.A. and WANIEK, R.W.
 Production and use of high transient magnetic fields.
Rev. Sci. Instrum. vol.28, pp.949-958, 1957.
169. FUTCH, A.H. and others.
 Plasma production by neutral atom injection: equations and numerical solutions.
Phys. Fluids, vol.5, no.10, pp.1277-1287, October, 1962.
 UCRL-6728, 1962.
- FUTCH, A.H. 112, 114.
- GALAKTIONOV, B.V. 71, 348.
- GALLAGHER, C.C. 105, 289, 290.
170. GARDNER, A.L. and others.
 Development of a microwave plasma source.
 Conference on Controlled Thermonuclear Reactions, Princeton University, October, 17-20, 1955.
 TID-7503, pp.350-354, February, 1956.
171. GARDNER, A.L., ZIZZO, S.G., and HALL, L.S.
 Q-CUMBER II experimental results.
 Conference on Controlled Thermonuclear Reactions, Princeton University, October, 17-20, 1955.
 TID-7503, p.100-102, February, 1956.
- GARDNER, A.L. 493.
172. GARDNER, C.S.
 Influence of space charge on adiabatic radial magnetic compression.
 Conference on Controlled Thermonuclear Reactions, Princeton University, October 17-20, 1955.
 TID-7503, pp.502-506, February, 1956.
173. GARDNER, C.S.
 On the containment for infinite times of particles in a mirror machine.
 Paper given at the meeting on Theoretical Aspects of Controlled Thermonuclear Fusion, New York University, April 30 - May 1, 1962. (Abstract only).
 NYO-10424, 33p. July, 1962.
174. GARDNER, J.W.
 Magnetic confinement of charged particles.
Nuovo Cimento, vol.18, no.6, pp.1157-1173, 1960.
175. GARREN, A. and others.
 FELIX acceptance studies.
 Controlled Thermonuclear Conference, Naval Research Laboratory, February 3-5, 1958.
 UCRL-8140.
 TID-7558, pp.413-427, 1958.
176. GARREN, A. and others.
 Individual particle motion and the effect of scattering in an axially symmetric magnetic field.
 Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy, Geneva, September 1-12, 1958, vol.31, pp.65-71.
 UCRL-8076.
177. GARREN, A. and others.
 Nonadiabatic effects in single-particle orbits.
 UCRL-3717, 11p. March, 1957.
 TID-7536, pp.170-177, September, 1957.
- GARREN, A. 87, 274.
- GAUSTER, W.B. 28.
178. GAUSTER, W.F. and others.
 Calculation of ion trajectories and magnetic fields for the magnetic trapping of high energy particles.
Nuclear Fusion; 1962 suppl., Pt.1, pp.239-250, 1962.
179. GAUSTER, W.F. and MACKIN, R.J.
 Circulating ion lifetime measurements.
 Conference on Controlled Thermonuclear Reactions, Berkeley, February 20-23, 1957.
 TID-7536, pp.321-325, September, 1957.
180. GAUSTER, W.F.
 Magnetic field design in thermonuclear research.
Osterreichisches Ingenieur - Archiv, vol.15, pp.76-87, 1961. (In English).
181. GAUSTER, W.F.
 Magnetic field design of mirror coils.
 Controlled Thermonuclear Conference held at the Naval Research Laboratory, Washington, February 3-5, 1958.
 TID-7558, pp.518-527, October, 1958.
182. GAUSTER, W.F. and BROWN, R.L.
 Magnetics, heat transfer, mechanical forces, and ion trajectories.
 Thermonuclear project, semi-annual report for period ending January 31, 1960.
 ORNL-2926, pp.80-91, 1961.
183. GAUSTER, W.F.
 Some basic concepts for magnet coil design.
Commun. and Electron., no.52, pp.822-828, 1961.
- GAUSTER, W.F. 37, 41, 102, 103.
- CAVRIN, P.P. 21.
184. GIBSON, G. and LAUER, E.J.
 Confinement time of a Lorentzian gas in a mirror machine.
 UCRL-5696, 25p. November, 1959.
185. GIBSON, G., JORDAN, W.C. and LAUER, E.J.
 Containment of positrons in a mirror machine.
Phys. Rev. Lett., vol.5, no.4, pp.141-144, 1960.

186. GIBSON, G., JORDAN, W.C. and LAUER, E.J.
 Containment of positrons in an asymmetric mirror geometry.
Nuclear Fusion; 1962 suppl., Pt.1,
 pp.151-157, 1962.
 UCRL-6380.
AED-Conf. 1961. 133-2.
187. GIBSON, G. and LAUER, E.J.
 Containment time of one-half MeV positrons in a magnetic mirror machine.
 Paper given at American Physical Society Winter Meeting, Los Angeles, California, December 29-31, 1958.
Amer. Phys. Soc. Bull., series 2, vol.3, p.412, 1958. (Abstract only).
 UCRL-5370, October, 1958. (Abstract only).
188. GIBSON, G., LAMB, W.A.S. and LAUER, E.J.
 Injection into the mirror machine using 500 keV neutral H atoms.
 UCRL-4863, March, 1957.
189. GIBSON, G., LAMB, W.A.S. and LAUER, E.J.
 Injection into thermonuclear machines using beams of neutral deuterium atoms in the range 100 keV to 1 MeV.
Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy, Geneva, September 1-13, 1958, vol.32, pp.275-278.
190. GIBSON, G., LAMB, W.A.S. and LAUER, E.J.
 Injection into thermonuclear machines using beams of neutral deuterium atoms in the range from 100 keV to 1 MeV.
Phys. Rev., vol.114, pp.937-940, May 15, 1959.
 UCRL-5047, Rev. II.
191. GIBSON, G. and others.
 Particle behaviour in a static, asymmetric magnetic mirror geometry.
Phys. Fluids, vol.6, no.1, p.133, January, 1963.
192. GIBSON, G. and others.
 Particle behaviour in static, axially symmetric, magnetic mirror and cusp geometries.
Phys. Fluids, vol.6, no.1, p.116, January, 1963.
193. GIBSON, G. and LAUER, E.J.
 Possible conclusions if reactions are observed in TABLE TOP.
 UCRL-4971-T, October, 1957.
- GIBSON, G. 278.
194. GILBERT, F.C. and others.
 High energy molecular ion injection into a mirror machine.
 UCRL-5827, 26p. February, 1960.
- GLASKO, V.B. 24, 25.
195. GLASSTONE, S. and LOVBERG, R.H.
 Controlled thermonuclear reactions: an introduction to theory and experiment.
 Princeton, Van Nostrand Inc., 1960, 523p.
 pp.336-403, Magnetic mirror systems.
- GOERTZEL, H. 53.
196. GOLDMAN, L.M., POLLOCK, H.C. and WESTENDORP, W.F.
 Studies of a neutron-producing magnetically compressed deuterium plasma.
G.E.C. (Schenectady) Report no.61-RL-2626E, 29p. February, 1961.
197. GOLOVIN, I.N. and others.
 On the work of the thermonuclear experimental facility OGRA.
Progress in Nuclear Energy, series 11, Plasma Physics and Thermonuclear Research, vol.2, pp.101-119, 1963.
198. GOLOVIN, I.N.
 Studies of trapping fast charged particles in a constant magnetic field.
Proc. Instn. Elect. Engrs., vol.106A, suppl.2, pp.95-99, 1959.
199. GOLOVIN, I.N. and others.
 Studies on the experimental thermonuclear apparatus OGRA.
Usp. Fiz. Nauk, vol.73, pp.685-700, April, 1961. (In Russian).
Trans. in Soviet Physics Uspekhi, vol.4, no.2, p.323, September-October, 1961.
- GOLOVIN, I.N. 64.
200. GORDON, F.J. and DAMM, C.C.
 High-intensity source of 20 keV hydrogen atoms.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.159, 1963. (Abstract only).
- GORDON, F.J. 114.
201. GORELIK, L.L. and KOVAL'SKII, N.G.
 Investigation of plasma escape through magnetic gaps of traps with a field growing to the periphery.
Doklady Akademii Nauk SSSR, vol.147, no.3, p.576, November, 1962. (In Russian).
Trans. in Soviet Physics-Doklady, vol.7, no.11, p.1018, May, 1963.
 AEC-tr-5620. 12p. 1962.
202. GOTTF, Yu.V. and TEL'KOVSKII, V.G.
 Measurement of the energy of ions in a trap with magnetic mirrors.
I.A.E.A. Conference on Plasma Physics and Controlled Nuclear Fusion Research, Salzburg, 1961. Paper no. CN-10/208. (In Russian). (Abstract only in published proceedings.)
Trans. in AEC-tr-5589, pp.626-635, February, 1963.

203. GOTTL, Yu.V., IOFFE, M.S. and TELKOVSKY, V.G.
 Some new results on confinement in magnetic traps.
Nuclear Fusion; 1962 suppl., Pt.3,
 pp.1045-1047, 1963. (In Russian).
204. GOURDON, C. and PREVOT, F.
 Development of a plasma by injection of fast particles.
Nuclear Fusion; 1962 suppl., Pt.1,
 pp.265-278, 1962. (In French).
205. GOURDON, C.
 Study of the trajectories of ions in a magnetic mirror configuration, I.
 Possibility of temporary capture by a magnetic configuration of a charged particle coming from the exterior.
J. Phys. Radium, vol.23, pp.291-296, May, 1962. (In French).
 GOURDON, C. 406.
206. GOW, J.D., SMITH, L. and WILCOX, J.M.
 The ION MAGNETRON.
 UCRL-8579, 15p. February, 1959.
207. GOW, J.D. and others.
 The trapping of charged particles in axially symmetrical systems of electric and magnetic fields.
 TID-7558, pp.120-139, October, 1958.
 UCRL-8156, January, 1958.
208. GRAD, H.
 Containment in cusped plasma systems.
Progress in Nuclear Energy. Series 11, Plasma Physics and Thermonuclear Research. vol.2, pp.189-200, 1963.
209. GRAD, H.
 Morphology of stable geometries.
Conference on Controlled Thermonuclear Reactions, Berkeley, California, February 20-23, 1957.
 TID-7536 (pt.2), pp.196-199, September, 1957.
210. GRAD, H. and VAN NORTON, R.
 Non-adiabatic orbits in a cusped magnetic field.
Nuclear Fusion; 1962 suppl., Pt.1, pp.61-65, 1962.
211. GRAD, H.
 Plasma trapping in cusped geometries.
Phys. Rev. Lett., vol.4, pp.222-223, 1960.
212. GRAD, H. and BERKOWITZ, J.
 Sherwood progress report no.2, July, 1957 to July, 1958.
 NYO-8672, 15p. July, 1958.
213. GRAD, H.
 Thermonuclear plasma containment in open-ended systems.
 NYO-9355, 25p. September, 1960.
 MF-7.
- GRAD, H. 53.
214. GREEN, T.S.
 Thermonuclear power.
 London, Newnes, 1963, 168p.
 pp.86-103, Mirror machines.
215. GRIEM, H.R., KOLB, A.C. and FAUST, W.R.
 Bremsstrahlung from dense plasmas.
Phys. Rev. Lett., vol.2, pp.281-282, April 1, 1959.
 GROSHEV, A.I. 25.
216. GUIDINI, J. and others.
 Réactions produites par le passage d'un faisceau d'ions hydrogène moléculaires à travers au milieu ionisé.
 (Reactions produced by the passage of a beam of molecular hydrogen ions through an ionized medium.)
C.R. Acad. Sci., Paris, vol.254, no.17, pp.3081-3083, April 25, 1962.
 GUTKIN, T.I. 118.
217. HAGERMAN, D.C.
 Cusped geometries.
Proceedings of the International Conference on High Magnetic Fields, Massachusetts Institute of Technology, 1-4 November, 1961. pp. 681-687.
 LADC-4944.
218. HAGERMAN, D.C. and OSHER, J.E.
 Injection and containment experiments in a PICKET FENCE geometry.
Amer. Phys. Soc. Bull., series 2, vol.5, p.350, 1960.
 LADC-4261.
219. HAGERMAN, D.C. and OSHER, J.E.
 Injection and trapping of a $\beta = 1$ plasma into a cusped magnetic field.
Phys. Fluids, vol.4, pp.905-911, 1961.
 LADC-4634.
220. HAGERMAN, D.C.
 Some experimental studies of plasma injected into a cusped magnetic field.
Nuclear Fusion; 1962 suppl., Pt.1, pp.75-79, 1962.
 LADC-4825.
221. HAGERMAN, D.C.
 Ten-millisecond containment of an energetic plasma in a cusped-magnetic field.
Amer. Phys. Soc. Bull., series 2, vol.7, no.6, p.406, 19 June, 1962.
 HAGERMAN, D.C. 345.
- HALES, R.W. 98.
- HALL, L.S. 171, 503.
222. HARRIS, E.G.
 Unstable plasma oscillations in a magnetic field.
Phys. Rev. Lett., vol.2, no.2, pp.34-35, January 15, 1959.

- HARVEY, R. 500, 501.
223. HARTWIG, E.C., CUMMINGS, D.B. and POST, R.F.
Pyrotron with translational closure
fields.
United States Patent 3,015,748, 10p.
January, 1962.
224. HARTWIG, E.C.
Special electrical problems of the
magnetic mirror program.
Conference on Controlled Thermonuclear
Reactions, held at Princeton University,
October 17-20, 1955.
TID-7503, pp.103-110, February, 1956.
- HASTE, G.R. 29, 30.
- HECKROTTE, W. 169.
- HEINZ, O. 495.
225. HENRICH, L.R.
Departure of particle orbits from the
adiabatic approximation.
Conference on Controlled Thermonuclear
Reactions, Gatlinberg, June 4-7, 1956.
TID-7520, pp.413-418, September, 1956.
226. HENRICH, L.R.
Some aspects of the radial stability
in a magnetic mirror machine.
UCRL-4317, 8p. 1954.
- HENRICH, L.R. 176, 177.
227. HILL, E.I.
Construction and fabrication features
of some magnet coils used in fusion studies.
Proceedings of Symposium on Magnetic Field
Design in Thermonuclear Research, Gatlinberg,
December 11 and 12, 1958.
ORNL-2745, pp.22-25, 1959.
- HILL, H.M. 235.
228. HILL, M.H. and MARTIN, D.F.
Injection of plasma into a thermo-
nuclear reactor.
French Patent 1,230,661, 16p. April, 1960.
- HILL, M.M. 322, 323, 324.
229. HISKES, J.R.
Arc research. Note on TABLE TOP
injection: high energy injection inside
the mirrors.
UCRL-4558, 14p. August, 1955.
230. HISKES, J.R.
Arc research. Some considerations on
the application of the A-48 to the Sherwood
program.
UCRL-3188, 8p. November, 1955.
231. HISKES, J.R. and TARTAR, C.B.
Ion density versus time in the ALICE
and PHOENIX experiments.
UCRL-7033, 27p. September, 1962.
232. HISKES, J.R. and RUEDGER, D.
Preliminary differential analyser
studies of injection methods for mirror
machines.
Conference on Thermonuclear Reactions,
University of California, Radiation
Laboratory, Livermore, February 7-9, 1955.
WASH-289, pp.165-167, June, 1955.
- HISKES, J.R. 175.
233. HOLLADAY, J.C.
PICKET FENCE.
Conference on Thermonuclear Reactions,
Princeton University, October 26-27, 1954.
WASH-184, pp.87-99, January, 1955,
declassified 1959.
LADC-NN-177.
234. HOLLADAY, J.C.
Swirl in the PICKET FENCE.
Conference on Thermonuclear Reactions,
University of California, Radiation
Laboratory, Livermore, February 7-9, 1955.
WASH-289, pp.32-40, 1955.
LADC-NN-168.
235. HOOKE, W.M. and others.
Experiments on ion cyclotron waves.
Phys. Fluids, vol.4, no.9, pp.1131-
1141, September, 1961.
236. HOOKE, W.M. and others.
Measurement on the fast hydromagnetic
wave above the ion cyclotron frequency.
MATT-112, 7p. February, 1962.
- HOPE, L. 500.
- HOTSTON, E.S. 12.
237. HOWARD, J.C.
Spectroscopic measurements program.
Conference on Controlled Thermonuclear
Reactions, Princeton University,
October 17-20, 1955.
TID-7503, pp.407-412, February, 1956.
- HOWARD, J.C. 98, 113, 495.
238. HOY, H.C.
Design and erection of DCX.
Controlled Thermonuclear Conference,
Washington, February 3-5, 1958.
TID-7558, pp.279-285, October, 1959.
239. HOY, H.C.
The machine called DCX.
Paper given at Amer. Soc. Mech. Engrs.
Annual meeting, New York, November 30 -
December 5, 1958.
240. HUBERT, P.
High energy injection, part II.
Riso Report 18, pp.515-527, November, 1960.
- HUBERT, P. 56, 406.

241. HULBURT, C.W.
Summary of Sherwood activities.
AFSWP-1072, 31p. December, 1957.
- HUNT, A.L. 114.
242. INSTITUT FOR ATOMENERGI, Kjeller, Norway.
Quarterly Progress report October - December, 1961.
KR-16, 47p. February, 1962.
243. IOFFE, M.S. and YUSHMANOV, E.E.
Experimental investigation of plasma instability in a magnetic mirror trap.
Nuclear Fusion; 1962 suppl., Pt.1, pp.177-182, 1962. (In Russian).
Trans. in AEC-tr-4837 and AEC-tr-5589, pp.83-96, February, 1963.
244. IOFFE, M.S. and others.
Investigation of magnetic mirror confinement of a plasma.
Zhur. Eksp. Teoret. Fiz., vol. 39, no.6, pp.1602-1611, 1960. (In Russian).
Trans. in Soviet Physics-JETP, vol.12, no.6, p.1117, June, 1961.
245. IOFFE, M.S. and others.
Investigation of the containment of a plasma in a trap with magnetic-mirrors.
AEC-tr-4217, 58p. July, 1960.
246. IOFFE, M.S. and others.
Measurements of the lifetime of a low density plasma in a magnetic mirror trap.
Proceedings of the Fourth International Conference on Ionization Phenomena in Gases, Uppsala, August 17-21, 1959, vol.2, pp.1009-1014.
247. IOFFE, M.S. and others.
On escape of a plasma from a magnetic mirror trap, II.
Zhur. Eksp. Teoret. Fiz., vol. 40, pp.40-48, January, 1961. (In Russian).
Trans. in Soviet Physics-JETP, vol.13, no.1, p.27, July, 1961.
- IOFFE, M.S. 22, 203.
248. JENSEN, T.H. and VOORHIES, H.G.
Interaction between a plasma and the external current and flux.
Phys. Fluids, vol.5, no.12, pp. 1571-1576, December, 1962.
Includes 'long mirror'.
- JEUDON, A. 216.
249. JOHNSON, M.H.
Some problems relating to magnetic mirrors.
Conference on Thermonuclear Reactions, Radiation Laboratory, University of California, Berkeley, California, April 7, 1953.
WASH-146, pp.61-64, November, 1953.
UCRL-4131, June, 1953.
250. JOHNSON, W.B.
Observations on the plasma produced in a magnetic mirror geometry.
Phys. Rev. Lett., vol.1, pp.333-335, November 1, 1958.
- JONES, R.D. 26.
- JORDAN, W.C. 185, 186, 191, 192.
- JOURDAN, P. 6, 7, 8.
251. JUDD, D., MACDONALD, W. and ROSENBLUTH, M.
End leakage losses from the mirror machine.
Summary of remarks made at Sherwood Conference at Berkeley, February, 1955. UCRL-2931, 5p. March, 1955.
WASH-289, pp.158-161, June, 1955.
252. JUKES, J.D.
Plasma cyclotron radiation and fusion reactors.
J. Nucl. Energy, Pt.C, Plasma Physics, vol.3, no.1, pp.1-7, January, 1961.
253. KADOMTSEV, B.B.
Magnetic traps for plasma.
In: Plasma physics and the problem of controlled thermonuclear reactions, edited by M.A. Leontovich, vol.4, pp. 417-430. Pergamon Press, 1960.
In: Fiz. plazmy i probl. upravljajemyh termojadern. reakcij., vol.4, pp.353-363, Moscow, 1958. (In Russian).
254. KADOMTSEV, B.B.
Magnetic traps with a 'corrugated' field.
In: Plasma physics and the problem of controlled thermonuclear reactions, edited by M.A. Leontovich, vol.3, pp.340-355. Pergamon Press, 1959.
In: Fiz. plazmy i probl. upravljajemyh termojadern. reakcij., vol.3, pp.285-299, Moscow, 1958. (In Russian).
255. KADOMTSEV, B.B.
Plasma turbulence in a magnetic-mirror system.
Zhur. Eksp. Teoret. Fiz., vol.40, pp.328-336, January, 1961. (In Russian).
Trans. in Soviet Physics-JETP, vol.13, no.1, p.223, July, 1961.
256. KALMYKOV, A.A. and others.
Interactions between plasma clots and spatial-periodical magnetic field.
Zhur. Tekh. Fiz., vol.32, pp.579-583, May, 1962. (In Russian).
Trans. in Soviet Physics-Tech. Phys., vol.7, no.5, pp. 421-423, November, 1962.
- KARKHOV, A.N. 32.
- KARPUKHIN, V.T. 32.

257. KARR, H. and KNAPP, E.
 Cyclotron resonant interaction of a rotating magnetic perturbation with plasma produced by a hydromagnetic gun.
Amer. Phys. Soc. Bull., series 2, vol.7, no.6, p.406, June, 1962. (Abstract only).
- KARR, H.J. 121.
258. KATZ, S.
 Configuration of a plasma in an axially symmetric magnetic field.
Phys. Fluids, vol.4, no.2, pp.204-209, February, 1961.
 Includes application to a mirror machine.
259. KAUFMAN, A.N.
 Ambipolar effects in mirror losses.
Conference on Controlled Thermonuclear Reactions, June 4-7, 1956, Gatlinberg. TID-7520 (pt.2), pp.387-390, September, 1956.
260. KAUFMAN, A.N.
 Stability considerations in mirror machines.
Conference on Controlled Thermonuclear Reactions, June 4-7, 1956, Gatlinberg. TID-7520 (pt.2), pp.391-393, September, 1956.
- KELLEY, G.G. 37, 38, 39, 41, 178.
261. KERR, J.R. and DANDL, R.A.
 Plasma diagnostics in DCX by particle measurements.
 Paper given at American Physical Society meeting, Honolulu, August 27-29, 1959.
Amer. Phys. Soc. Bull., series 2, vol.4, p.388, August 27, 1959. (Abstract only).
- KERR, R.J. 35.
262. KILLEEN, J.
 Theory of cusped geometries, IV, particle losses in crossed fields.
 NYO-9370, 42p. November, 1960.
- KILLEEN, J. 53, 169.
- KIPPENHAM, D.O. 87.
263. KISTEMAKER, J.
 Ion mirrors and rotating plasmas.
Nederl. Tijdschr. Natuurkunde, vol.25, no.7, pp.185-202, 1959.
- KLEYMENOV, G.F. 442.
- KNAPP, E. 121, 257.
- KOCHNEV, V.A. 442.
- KOLB, A.C. 215.
- KOLTYPIN, E.A. 504.
264. KOSLOV, S. and SCHMIDT, G.
 Experimental investigation of cusped containment geometries: CHALICE.
Progress Report no.1, June 1, 1960 through November 30, 1960. TID-11260, 22p. [1960].
- KOVALENKO, V.A. 65.
265. KOVALSKII, N.G., LUKYANOV, S.Y. and PODGORNI, I.M.
 Investigation of behaviour of plasma in the 'OREKH' magnetic trap.
Nuclear Fusion; 1962 suppl., Pt.1, pp.81-85, 1962. (In Russian).
Trans. in AEC-tr-5589, pp.1-14, February, 1963.
- KOVALSKII, N.G. 201.
266. KRALL, N.A. and ROSENBLUTH, M.N.
 Stabilization of low-frequency universal instability by cusped geometry.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.175, 28 February, 1963.
- KRALL, N.A. 447.
267. KURCHATOV, I.V.
 Research on Controlled Thermonuclear Reactions at the Atomic Energy Institute of the USSR Academy of Sciences.
Atomnaya Energiya, vol.5, pp. 105-110, 1958. (In Russian).
Trans. in J. Nucl. Energy, vol.8, pp.168-175, 1958/9.
268. KUCHERIAEV, Yu.A. and PANOV, D.A.
 On the cause of the anomalously fast loss of electrons from the plasma in OGRA.
J. Nucl. Energy, Pt.C, *Plasma Physics*, vol.5, no.3, pp.145-150, May-June, 1963.
- KUCHERYAEV, Yu.A. 64.
- KUZNETSOV, V.V. 24, 25.
269. LACINA, J.
 A solution of the motion of a charged particle in magnetic mirror systems.
Czech. J. Phys., sect.B, vol.13, no.6, pp.401-417, 1963.
270. LAFFERTY, D.L. and LAMBORN, B.N.A.
 Conservative trapping mechanisms.
 TID-17197, 37p. October, 1962.
271. LAFFERTY, D.L. and LAMBORN, B.N.A.
 Particle trajectories in a static mirror field.
Phys. Fluids, vol.6, no.10, pp.1500-1505, October, 1963.
 ORO-569, 17p. June, 1962.
272. LAING, E.W. and ROMSON, A.E.
 Non-adiabatic magnetic traps.
J. Nucl. Energy, Pt.C, *Plasma Physics*, vol.3, pp.146-155, 1961.

273. LAMB, W.A.S.
Arc research : source development program.
UCRL-4573, 3p. September, 1955.
274. LAMB, W.A.S., GARVEN, A.A. and RIDDELL, R.J.
RF heating method for magnetic mirror machines.
TID-7503, p.127-134, February, 1956.
UCRL-3206, November, 1955.
LAMB, W.A.S. 87, 188, 189, 190.
LAMBORN, B.N.A. 270, 271.
LANGER, P. 6, 7.
275. LARY, E.C., SALZ, F. and MEYERAND, R.G.
Production of a high energy, quasi-thermal plasma.
I.A.E.A. Conference on Plasma Physics and Controlled Nuclear Fusion Research, Salzburg, 1961. Paper no. CN-10/139, 1961. (Abstract only in published proceedings.)
276. LAUER, E.J.
Energetic neutral injection into thermonuclear machines.
UCRL-4554, 26p. August, 1955.
pp.7-19. Steady-state injection of energetic neutral atoms into the mirror machine.
277. LAUER, E.J.
Energetic neutral injection into thermonuclear machines.
Conference on Controlled Thermonuclear Reactions, Princeton University, October 17-20, 1955.
TID-7503, pp.339-341, February, 1956.
278. LAUER, E.J. and GIBSON, G.
Neutral H atom and molecular ion (H_2^+) injection into the mirror machine at energies of about one MeV.
Conference on Controlled Thermonuclear Reactions, Gatlinburg, June 4-7, 1956.
TID-7520, pp.172-180, September, 1956.
UCRL-4696, 9p. May, 1956.
LAUER, E.J. 184, 185, 186, 187, 188, 189, 190, 191, 192, 193.
LAZAR, N.H. 38, 39, 41.
279. LECOUSTEY, P. and others.
Characteristics of the plasma injected into DECA II.
CEA-2264, 51p. 1963.
280. LECOUSTEY, P. and others.
Transverse-energy measurements on the plasma injected into DECA II.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.162, 1963. (Abstract only).
281. LEFFEL, C.S.
Injection of a tenuous plasma into a cusped magnetic field.
John Hopkins University, Applied Physics Laboratory, Report no. CM-1023, 57p. June, 1962.
AD-283078.
282. LEHNERT, B.
Improvements to generators of thermo-nuclear fusion energy.
French Patent 1,257,022, February, 1961.
283. LEHNERT, B.
On the confinement of charged particles in a magnetic field.
J. Nucl. Energy, Pt.C, Plasma Physics, vol.1, pp.40-48, 1959.
284. LEHNERT, B.
Plasma stability in an inhomogeneous magnetic field.
Phys. Fluids, vol.5, no.4, pp.432-438, April, 1962.
Includes discussion of flute instabilities in a mirror geometry.
285. LEHNERT, B.
Stability of a plasma boundary in a magnetic field.
Phys. Fluids, vol.4, pp.847-854, July, 1961.
286. LEHNERT, B.
Stability of an inhomogeneous plasma in a magnetic field.
Nuclear Fusion; 1962 suppl., Pt.1, pp.135-142, 1962.
287. LEHNERT, B.
Stability of an inhomogeneous plasma in a magnetic field.
Phys. Fluids, vol.4, no.4, pp.525-526, April, 1961.
288. LELOUP, C., POFFE, J-P, and WAELBROECK, F.
Plasma collisions in a longitudinal magnetic field.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.177, 1963. (Abstract only).
Device described in Salzburg paper CN-10/103 applied to mirror geometry.
289. LEVINE, M.A., COMBES, L.S. and GALLAGHER, C.C.
Plasma containment and field trapping in a cusp geometry.
Amer. Phys. Soc. Bull., series 2, vol.7, no.2, p.143, 23 February, 1962.
290. LEVINE, M.A., COMBES, L.S. and GALLAGHER, C.C.
Plasma containment and field trapping in a cusp-mirror magnetic field.
Amer. Phys. Soc. Bull., series 2, vol.7, no.7, p.441, 27 August, 1962.
- LEVINE, M.A. 105, 168.
291. LIDSKY, L.M. and ROSE, D.J.
Interaction of a directed plasma with a magnetic mirror.
Amer. Phys. Soc. Bull., series 2, vol. 8, no.2, p.162, 1963. (Abstract only).
- LINHART, J.G. 353.

292. LINLOR, W.I.
Arc research. Adiabatic injection.
UCRL-4570, 18p. September, 1955,
declassified 1958.
293. LINLOR, W.I.
Fusion plasma injection.
J. Appl. Phys. vol.33, no.6, p.2030-
2032, June, 1962.
294. LINLOR, W.I.
High-energy peripheral injection into
mirror machines.
UCRL-4569, 39p. September, 1955.
295. LINLOR, W.I.
High-energy peripheral injection into
mirror machines.
TID-7503, pp.342-345, February, 1956.
UCRL-4597, November, 1955.
296. LINLOR, W.I.
Plasma production by travelling
resonant perturbations.
Phys. Rev. Lett., vol.7, no.4, pp.115-
117, August 15, 1961.
- LOBIKOV, E.A. 504.
297. LOMNEV, S.P.
Solution by electric computer of the
problem of motion of interacting particles
carrying like charges in a 'magnetic bottle'.
Doklady Akademii Nauk, SSSR, vol.148,
no.5, pp. 1049-1052, February 11, 1963.
(In Russian).
Trans. in Soviet Physics-Doklady, vol.8,
no.2, pp.170-172, August, 1963.
298. LONGMIRE, C.L., NAGLE, D.E. and RIBE, F.L.
Ion confinement by rotation in magnetic
mirror geometry.
Phys. Rev., vol.114, pp.1187-1191,
June 1, 1959.
299. LOS ALAMOS SCIENTIFIC LABORATORY.
Quarterly status report of the LASL
Controlled Thermonuclear research program
for period ending May 20, 1960.
LAMS-2444, 58p. July, 1960.
300. LOS ALAMOS SCIENTIFIC LABORATORY.
Quarterly status report of the LASL
Controlled Thermonuclear research program
for period ending August 20, 1960.
LAMS-2464, 41p. September, 1960.
301. LOS ALAMOS SCIENTIFIC LABORATORY.
Quarterly status report of the LASL
Controlled Thermonuclear research program
for period ending November 20, 1960.
LAMS-2488, 41p. December, 1960.
302. LOS ALAMOS SCIENTIFIC LABORATORY.
Quarterly status report of the LASL
Controlled thermonuclear research program
for period ending February 20, 1961.
LAMS-2529, 49p. March, 1961.
303. LOS ALAMOS SCIENTIFIC LABORATORY.
Quarterly status report of the LASL
Controlled thermonuclear research program
for period ending February 20, 1963.
LAMS-2874, 34p. March, 1963.
304. LOS ALAMOS SCIENTIFIC LABORATORY.
Quarterly status report of the LASL
Controlled thermonuclear research program
for period ending May 20, 1963.
LAMS-2916, 55p. June, 1963.
- LOVBERG, R.H. 195.
- LUC, H. 279.
305. LUCE, J.S.
Circulating ion beam techniques.
Conference on Controlled Thermonuclear
Reactions, Berkeley, February 20-23, 1957,
TID-7536, pp.314-320, September, 1957.
306. LUCE, J.S.
The DCX program.
Progress in Nuclear Energy, series 11,
Plasma Physics and Thermonuclear Research,
vol.2, pp.120-149, 1963.
307. LUCE, J.S.
DCX status.
Controlled Thermonuclear Conference,
Washington, D.C., February 3-5, 1958.
TID-7558. pp.227-235, October, 1958.
308. LUCE, J.S.
Ion sources.
ORNL-CF-55-3-103, 9p. March, 1955.
309. LUCE, J.S.
Method and apparatus for trapping ions
in a magnetic field.
United States Patent 3,030,543, 5p.
April, 1962.
310. LUCE, J.S.
Proposed Sherwood experiment.
ORNL-CF-56-2-152, February, 1956,
declassified 1958.
311. LUCE, J.S.
Trapping of high-energy ions within an
arc wall.
Proceedings of the Fourth International
Conference on Ionization Phenomena in Gases,
Uppsala, August 17-21, 1959, vol.2,
pp.1002-1008.
- LUCE, J.S. 31.
312. LUK'YANOV, S.Yu., PODGORNYI, I.M. and
CHUVATIN, S.A.
Investigation of the electrodynamic
acceleration of plasma clots. III.
(Coaxial system.)
Zhur. Tekh. Fiz., vol.31, pp.1026-1032,
September, 1961. (In Russian).
Trans. in Soviet Physics-Technical Physics,
vol.6, no.9, pp.750-754, March, 1962.

313. LUK'YANOV, S.Yu. and PODGORNYI, I.M.
Magnetic trap with field increasing toward periphery.
Zhur. Eksp. Teoret. Fiz., vol.37, pp.27-32, July, 1959. (In Russian).
Trans. in Soviet Physics-JETP, vol.10, pp.18-21, January, 1960.
314. LUK'YANOV, S.Yu. and PODGORNYI, I.M.
Magnetic traps with cusped fields.
Atomnaya Energiya, vol.11, pp.336-344, October, 1961. (In Russian).
Trans. in Soviet J. At. En., vol.11, no.4, pp.980-988, April, 1962.
- LUK'YANOV, S.Yu. 265.
- LUTON, J.N. 41.
- MACDONALD, W.M. 488.
315. MACKIN, R.J. and BELL, P.R.
High-energy injection for controlled fusion.
Nucleonics, vol.20, no.11, pp.58-62, November, 1962.
316. MACKIN, R.J.
Ion beam entry calculations.
ORNL-CF-57-12-101, 11p. December, 1957.
317. MACKIN, R.J.
Plasma accumulation in a device fed by energetic ion trapping.
Nuclear Fusion, vol.1, no.2, pp.131-138, March, 1961.
318. MACKIN, R.J.
Plasma accumulation in a device fed by energetic ion trapping.
ORNL-CF-60-11-50, 30p. November, 1960.
319. MACKIN, R.J.
Status of the DCX-2, program.
Trans. Amer. Nucl. Soc., vol.5, p.99, 1962.
- MACKIN, R.J. 37, 38, 39, 41, 178, 179.
320. McNALLY, J.R.
The Direct-Current Experiment (DCX) and high-temperature measurements in the carbon-arc.
In: Optical spectrometric measurement of high temperatures, by P.J. Dickerman, pp.70-94, Chicago, University of Chicago Press, 1961.
- McWHIRTER, R.W.P. 13.
- MAISONNIER, C. 57.
- MANUS, C. 216.
321. MARSHALL, J.
Stagnation of a gun plasma against a magnetic mirror.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.162, 1963. (Abstract only).
322. MARTIN, D.F. and HILL, M.M.
A proposed Mirror Machine utilizing equatorial magnetic injection into inhomogeneous radial magnetic fields.
Conference on Thermonuclear Reactions, University of California Radiation Laboratory, Livermore, February 7-9, 1955.
WASH-289, pp.244-246, June, 1955.
323. MARTIN, D.F. and HILL, M.M.
SATURN Experiment.
Conference on Controlled Thermonuclear Reactions, Gatlinberg, June 4-7, 1956.
TID-7520, pp.155-171, September, 1956.
324. MARTIN, D.F. and HILL, M.M.
SATURN Experiment.
TID-7536, pp.517-531, September, 1957.
- MARTIN, D.F. 228.
325. MASSACHUSETTS INSTITUTE OF TECHNOLOGY, RESEARCH LABORATORY OF ELECTRONICS.
Quarterly progress report no.53.
NP-7580, 228p. April, 1959.
- MATSUDA, N. 342.
- MATULIS, A.I. 69.
- MEUSER, R.B. 89.
- MEYERAND, R.G. 275.
- MILESHKIN, A.G. 442.
- MISH, L.E. 169.
- MIYAMOTO, G. 342.
326. MOORE, R.L.
Magnetic and electric pressure in a confined plasma.
J. Electronics and Control, vol.12, no.1, pp.13-21, January, 1962.
327. MOROSOV, P.M. and PILFUNOV, L.N.
A source of hydrogen molecular ions for the installation "OGRA".
Proceedings of the Fifth International Conference on Ionization Phenomena in Gases, Munich, August 28-September 1, 1961, vol.2, pp.1265-1277.
328. MOROSOV, P.M. and PILGUNOV, L.N.
A source of molecular hydrogen ions for OGRA.
Zhur. Tekh. Fiz., vol.33, no.4, pp.470-478, April, 1963. (In Russian).
Trans. in Soviet Physics-Technical Physics, vol.8, no.4, pp.347-353, October, 1963.
329. MOROZ, E.M. and SHPIGEL, I.S.
Electrodynamic repulsion of an undeformed plasma ring from a magnetic mirror.
Zhur. Tekh. Fiz., vol.31, pp.78-83, January, 1961. (In Russian).
Trans. in Soviet Physics-Technical Physics, vol.6, no.1, p.55, July, 1961.

NAGLE, D.E. 298.

NASTYNKHA, A.I. 505.

330. NEDOSPASOV, A.V.

On the local disturbances of a magnetic field in magnetic mirror traps.
Atomnaya Energiya, vol.13, no.5, pp.472-473, 1962. (In Russian).
Trans. in J. Nucl. Energy, Pt.C, Plasma Physics, vol.5, no.5, pp.323-324, September-October, 1963.

NEIDIGH, R.V. 2, 3, 4, 5.

NEXSEN, W.E. 90.

331. NIBLETT, G.B.F.

On C.T.R. research at A.W.R.E., Aldermaston.
Proceedings of the Fourth International Conference on Ionization Phenomena in Gases, Uppsala, August 17-21, 1959, vol.2, pp.1057-1060.

332. NIELSON, C.E. and others.

Recent observations of high-frequency activity in DCX-1.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.171, 1963. (Abstract only).

NORMAN, C.E. 41.

NORTH, G.R. 37, 178.

NORTHRUP, T.G. 175, 176, 177.

333. OAK RIDGE NATIONAL LABORATORY.

Neutron Physics division, annual progress report for period ending September 1, 1959.
ORNL-2842, November, 1959. 242p.
pp.219-225. Thermonuclear research (DCX).

334. OAK RIDGE NATIONAL LABORATORY.

The ORNL thermonuclear program.
ORNL-2457, 168p. January 15, 1958.

335. OAK RIDGE NATIONAL LABORATORY.

Proceedings of Symposium on Magnetic Field Design in Thermonuclear Research held at Gatlinberg, Tennessee, December 11 and 12, 1958.
ORNL-2745, 91p. October, 1959.

336. OAK RIDGE NATIONAL LABORATORY.

Thermonuclear project, semiannual report for period ending January 31, 1959.
ORNL-2693, 114p. May, 1959.

337. OAK RIDGE NATIONAL LABORATORY.

Thermonuclear project, semiannual report for period ending July 31, 1959.
ORNL-2802, 136p. December, 1959.

338. OAK RIDGE NATIONAL LABORATORY.

Thermonuclear project, semiannual progress report for period ending July 31, 1960. (Chapter three only).
ORNL-3044, 21p. January, 1961.

339. OAK RIDGE NATIONAL LABORATORY.

Thermonuclear Division, progress report, February 1, 1961 - October 31, 1961.
ORNL-3239, 113p. January, 1962.

340. OAK RIDGE NATIONAL LABORATORY.

Thermonuclear Division, semiannual progress report for period ending April 30, 1962.
ORNL-3315, 105p. September, 1962.

341. OAK RIDGE NATIONAL LABORATORY.

Thermonuclear Division, semiannual progress report for period ending October 31, 1962.
ORNL-3392, 97p. March, 1963.

342. OHKAWA, T. and others.

Toroidal magnetic bottle.
Proceedings of the Fourth International Conference on Ionization Phenomena in Gases, Uppsala, 17-21 August 1959, vol.2, pp.1164-1170.

343. OKAWA, C.

Toroidal magnetic bottle (1).
Kakuyugo Kenkyu, vol.1, pp.568-582, 1958.
(In Japanese).

OLESON, N.L. 452.

344. OSHER, J.E.

High velocity plasma injection and trapping experiments in a PICKET FENCE magnetic field.
Amer. Phys. Soc. Bull., series 2, vol.7, p.142, 23 February, 1962.
LADC-5067.

345. OSHER, J.E. and HAGERMAN, D.C.

Injection and trapping at high β in a PICKET FENCE geometry.
Amer. Phys. Soc. Bull., series 2, vol.6, p.195, 1961.
LADC-4551.

346. OSHER, J.E.

Trapping and prolonged confinement of an energetic deuterium plasma in a static cusped magnetic field.
Phys. Rev. Lett., vol.8, pp.305-309, 1962.
LADC-5286.

347. OSHER, J.E.

Trapping and prolonged confinement of an energetic deuterium plasma in a static cusped magnetic field.
Progress in Nuclear Energy. Series 11. Plasma Physics and Thermonuclear Research vol.2, pp.286-291. 1963.

OSHER, J.E. 218, 219.

OVSYANNIKOV, B.A. 71.

348. OVSYANNIKOV, V.A. and others.

Measurements of plasma temperature in the magnetic mirror system. I. Electron model
Zhur. Tekh. Fiz., vol.31, pp.577-581, May, 1961. (In Russian).
Trans. in Soviet Physics-Tech. Phys., vol.6, no.5, pp.413-415, November, 1961.

349. PANOV, D.A. and SEMASKO, N.N.
Thermonuclear magnetic traps.
Priroda, vol.48, pp.13-18, 1959. (In Russian).
- PANOV, D.A. 63, 64, 197, 199, 268.
350. PARKER, E.N.
The distribution of trapped particles in a changing magnetic field.
EFINS-61-9, 37p. February, 1961.
AFOSR-402, 37p. February, 1961.
- PARKER, N.L. 131.
351. PASSELL, T.O.
Calorimetric studies of plasma heated by adiabatic magnetic compression.
UCRL-13045, 57p. August, 1961.
- PAVLOV, Yu.S. 485.
- PERCUS, J.K. 499.
352. PERKINS, W.A.
Instability studies with a mirror machine by using different compression times.
Amer. Phys. Soc. Proc., series 2, vol.8, no.2, p.172, 1963. (Abstract only).
- PERKINS, W.A. 361, 400.
353. PERSICO, E. and LINHART, J.G.
Plasma loss from magnetic bottles.
Nuovo Cimento, series 10, vol.8, pp.740-753, June 1, 1958.
CNEN.RT/FI(62)44.
- PESTOV, Yu.N. 17.
- PETROV, V.M. 22.
- PHILLIPS, J.A. 121.
354. PHILLIPS, N.J.
High density plasma containment in the magnetic bottle.
AWRE-MR/P-4/60, 21p. December, 1960.
355. PHILLIPS, N.J.
Plasma diffusion in systems with particle losses.
Proc. Phys. Soc., vol.77, no.497, pp.965-970, May, 1961.
- PHILLIPS, N.J. 498.
- PILGUNOV, L.N. 327, 328.
356. PISTUNOVICH, V.I.
Cyclotron instability of plasma in OGRA.
Atomnaya Energiya, vol.14, no.1, p.72, January, 1963. (In Russian).
357. PISTUNOVICH, V.I. and SHAFRANOV, V.D.
Cyclotron radiation by ions in plasma.
Nuclear Fusion, vol.1, no.3, pp.189-194, July, 1961. (In Russian).
- PISTUNOVICH, V.I. 32, 197, 199.
358. PODGORNYI, I.M. and SUMAROKOV, V.N.
The injection of plasmoids into a magnetic trap with a field increasing towards the periphery.
J. Nucl. Energy, Pt.C, Plasma Physics, vol.1, pp.236-239, July, 1960.
359. PODGORNYI, I.M. and SUMAROKOV, V.I.
Plasma trapping in a radially increasing magnetic field.
Nuclear Fusion; 1962 suppl., Pt.1, pp.87-92, 1962. (In Russian).
Trans. in AEC-tr-5589, pp.15-28, February, 1963.
- PODGORNYI, I.M. 265, 312, 313, 314.
- POFFE, J.P. 288.
- POLLOCK, H.C. 196.
- POPP, E.C. 114, 126.
360. POST, R.F.
Acceleration of a plasma by time-varying magnetic fields.
UCRL-4407, 11p. December, 1954, declassified 1958.
361. POST, R.F. and PERKINS, W.A.
Analysis of a rotating plasma instability by means of an electrostatic pickup.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.172, 1963. (Abstract only).
362. POST, R.F.
Arc research progress report: mirror machine program, September-November, 1955.
UCRL-4658, March, 1956.
363. POST, R.F.
Arc research progress report: mirror machine program.
UCRL-4661, February, 1956.
364. POST, R.F.
Arc research progress report: mirror machine program.
UCRL-4705, May, 1956.
365. POST, R.F.
Arc research progress report: mirror machine program.
UCRL-4795, 30p. October, 1956.
366. POST, R.F.
Arc research progress report: Pyrotron program.
UCRL-4897, May, 1957.
367. POST, R.F.
Critical conditions for self-sustaining reactions in the mirror machine.
Nuclear Fusion; 1962 suppl., Pt.1, pp.99-123, 1962.
UCRL-6377.

368. POST, R.F.
 Energy exchange between a plasma and a magnetic field.
 Conference on Controlled Thermonuclear Reactions, Gatlinberg, June 4-7, 1956.
 TID-7520, pp.513-520, September, 1956.
369. POST, R.F.
 Equilibrium ambipolar potentials in a mirror machine.
 Phys. Fluids, vol.4, pp.902-905, July, 1961.
370. POST, R.F.
 Fast neutral particle injection into a mirror machine.
 UCRL-6078, 28p. August, 1960.
 Riso Report 18, pp.529-555, November, 1960.
371. POST, R.F.
 General theory of pyrotrons.
 UCRL-5049, June, 1958.
372. POST, R.F.
 High-temperature plasma research with the magnetic mirror machine.
 Amer. Phys. Soc. Bull., series 2, vol.3, p.403, 1948. (Title only, no abstract).
373. POST, R.F.
 Improvements in the design of the "Pyrotron".
 French Patent, 1,230,672, 12p. April, 1960. (In French).
374. POST, R.F., PROSSER, T.F. and WHARTON, C.B.
 Microwave diagnostics in arc research. On determination of physical quantities of gas discharges in ion-containment machines by measurement of microwave propagation coefficient.
 UCRL-4477, 43p. April, 1955, declassified 1958.
375. POST, R.F.
 Note on the use of travelling magnetic waves for injection or for energy transfer.
 TID-7536, pp.135-144, September, 1957.
376. POST, R.F.
 Outline of UCRL Sherwood experimental program and its immediate goals. Conference on Thermonuclear Reactions, Princeton University, October 26-27, 1954.
 WASH-184, pp.38-43, January, 1955.
377. POST, R.F.
 Pressure balance and stability criteria in the mirror machine.
 TID-7582, paper 25, 9p. November, 1959.
 UCRL-5524.
378. POST, R.F.
 Remarks on injection and other problems in magnetic mirror experiments.
 TID-7503, pp.146-162, February, 1956.
 UCRL-4623, December, 1955.
379. POST, R.F.
 Resume of experimental results in the Pyrotron program.
 Proceedings of the Conference on Controlled Thermonuclear Reactions, A.E.R.E., Harwell, 20-21 June, 1957, vol.2, Recent developments.
 AERE GP/R 2371, ch.20, 1958.
380. POST, R.F.
 Sixteen lectures on controlled thermonuclear reactions.
 UCRL-4231 (Del), 133p. February, 1954.
381. POST, R.F.
 Some aspects of high temperature plasma research with the mirror machine.
 Proceedings of the Fourth International Conference on Ionization Phenomena in Gases, Uppsala, August 17-21, 1959, vol.2, pp.987-995.
382. POST, R.F.
 Some aspects of high temperature plasma research with the mirror machine.
 UCRL-5604-T, 29p. January, 1960.
383. POST, R.F.
 Some aspects of the economics of fusion reactors.
 UCRL-6077, 62p. August, 1960.
384. POST, R.F.
 Some observations of plasma instabilities in the mirror machine.
 UCRL-6705-T, 58p. June, 1962.
385. POST, R.F.
 Some observations on plasma instabilities in the mirror machine.
 In: Plasma hydromagnetics, Sixth Lockheed Symposium on Magnetohydrodynamics, edited by D. Bershadier, pp.1-39, Stanford, California, Stanford, University Press, 1962.
386. POST, R.F., ELLIS, R.E. and FORD, F.G.
 Stable confinement of a high-temperature plasma.
 Phys. Rev. Lett., vol.4, pp.166-170, February 15, 1960.
387. POST, R.F.
 Summary and interpretation of Pyrotron experimental results.
 TID-7558, pp.219-221, October, 1958.
 UCRL-5147, February, 1958.
388. POST, R.F.
 Summary of UCRL Pyrotron (mirror machine) program. Progress in Nuclear Energy, series 11. Plasma Physics and Thermonuclear Research, vol.1, pp.154-195, 1959.
 Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy, Geneva, September 1-13, 1958, vol.32, pp.245-265.
 UCRL-5044, 40p. June, 1958.

389. POST, R.F.
 Summary of the IRL mirror machine program, 1958-1960.
 Progress in Nuclear Energy, series 11. Plasma Physics and Thermonuclear Research, vol.2, pp.1-110, 1963.
390. POST, R.F.
 Survey of injection and other problems in the mirror machine.
 Conference on Thermonuclear Reactions, University of California, Radiation Laboratory, Livermore, February 7-9, 1955. WASH-289, pp.198-221, June, 1955.
391. POST, R.F.
 Survey of magnetic mirror program at UCRL. Conference on Controlled Thermonuclear Reactions, Berkeley, California, February 20-23, 1957. TID-7536 (pt.2), pp.54-62, September 1957. UCRL-4856.
392. POST, R.F.
 Survey of magnetic mirror program. Conference on Controlled Thermonuclear Reactions, Princeton University, October 17-20, 1955. TID-7503, pp.88-91, February, 1956. UCRL-4627.
393. POST, R.F.
 Survey of magnetic mirror Sherwood program at UCRL. Conference on Controlled Thermonuclear Reactions, June 4-7, 1956, Gatlinberg. TID-7520 (pt.1), pp.59-72, September, 1956.
394. POST, R.F.
 Survey of Pyrotron program. Proceedings of the Conference on Controlled Thermonuclear Reactions, A.E.R.E. Harwell, 20-21 June, 1957. vol.1, Surveys. AERE GP/R 2371, ch.6, 1958.
395. POST, R.F.
 A theory of high compression magnetic mirror experiments. Conference on Controlled Thermonuclear Reactions, Princeton University, October 17-20, 1955. TID-7503, pp.135-145, February, 1956. UCRL-4620.
396. POST, R.F.
 Thermonuclear reactor and progress. Australian Patent 231,333. 109p. November, 1960.
397. POST, R.F.
 Travelling wave Pyrotron. U.S. Patent, 3,093,569. June, 1963.
398. POST, R.F.
 UCRL Sherwood experimental program progress report. Conference on Thermonuclear Reactions, Princeton University, October 26-27, 1954. WASH-184, pp.7-29, January, 1955.
399. POST, R.F.
 Velocity-space instabilities in the mirror machine. UCRL-6079, 26p. August, 1960. Riso Report 18, pp.209-236, November, 1960.
400. POST, R.F. and PERKINS, W.A.
 Velocity-space plasma instabilities observed in a mirror machine. Phys. Rev. Lett., vol.6, no.3, p.85, February 1, 1961.
- POST, R.F. 112, 114, 223.
401. POSTMA, H.
 DCX-1 instrumentation. IRE Trans. Nucl. Sci., vol.NS-8, no.4, pp.77-80, October, 1961.
402. POSTMA, H. and others.
 Energy analysis of the escaping particles from the DCX-1 plasma. Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.171, 1963. (Abstract only).
403. POSTMA, H.
 Experimental properties of a 300-kev plasma stored in a magnetic mirror. Amer. Phys. Soc. Bull., series 2, vol.7, no.4, p.319, 23 April, 1962.
- POSTMA, H. 30, 123.
404. PREVOT, F.
 Choice of principle parameters for a magnetic mirror machine with ion injection (MMII). CEA Report No. SNE-27, 12p. March, 1959. (In French). AEC-tr-3859, 23p. 1960.
405. PREVOT, F.
 Injection of charged particles in a magnetic field. CEA Report No. SNE-30, 26p. April, 1959. (In French).
406. PREVOT, F., HUBERT, P. and GOURDON, C.
 Sur la possibilite de formation d'un plasma thermonucleaire par injection d'ions accelerés dans une configuration magnetique a miroirs. (The possibility of formation of a plasma by injection of accelerated ions into a magnetic mirror configuration). C.R. Acad. Sci., Paris, vol.249, no.11, pp.997-999, September 14, 1959. (In French).
- PREVOT, F. 56, 57, 140, 207.
- PROSSER, T.F. 374.
- QUEMADA, D. 117.
407. RANKIN, M. and FOWLER, T.K.
 DCX-2 performance curves. ORNL-3387, 17p. January, 1963.

- RANKIN, M. 149, 151, 154, 156, 441.
- RAY, J.A. 28, 29, 30.
- REINHARDT, R.G. 29, 30.
408. RENAUD, C.
Use of a new ion detector in the study of the plasma jet injected into a pulsed magnetic mirror configuration (DECA I). CEA-2252, 38p. 1963. (In French).
- RHEIN, R.W. 89.
409. RIBE, F.L.
Recent experimental results on fast-compression plasma heating and rotating plasmas.
Proceedings of the Fourth International Conference on Ionization Phenomena in Gases, Uppsala, August 17-19, 1959, vol.2, pp.1032-1036.
- RIBE, F.L. 298.
- RICATEAU, P. 56, 57.
- RIDDELL, R.J. 87, 176, 177, 274.
410. ROBERTS, J.E. and CARR, M.L.
End-losses from mirror machines.
UCRL-5651-T, 83p. April, 1960.
411. ROBERTS, J.E.
End-losses from Pyrotrons.
Controlled Thermonuclear Conference. Naval Research Laboratory, Washington, D.C., February 3-5, 1958.
TID-7558, pp.382-388, 1958.
URCL-5132.
- ROBERTS, J.E. 58, 176.
412. ROBSON, A.E.
High energy injection mirror machines.
Electrical Review, vol.173, no.11, p.395, 13 September, 1963.
413. ROBSON, A.E.
A non-adiabatic magnetic trap.
I.A.E.A. Conference on Plasma Physics and Controlled Nuclear Fusion Research, Salzburg, 1961. Paper no.CN-10/51. 1961. (Abstract only in published proceedings).
- ROBSON, A.E. 272.
414. RODIONOV, S.N.
An experimental test of the behaviour of charged particles in an adiabatic trap. Atomnaya Energiya, vol.6, no.6, p.623, June, 1959. (In Russian).
Trans. in J. Nuclear Energy, Pt.C, Plasma Physics, vol.1, no.4, p.247, July, 1960.
- ROGERS, K. 501.
- ROMANOVSKII, M.K. 16, 68.
415. ROSE, D.J. and CLARK, M.
Plasmas and controlled fusion.
Massachusetts, M.I.T. Press, 1961, 493p. pp.215-221. Spatially varying inductions and magnetic mirrors. pp.377-424. Mirror-like devices.
- ROSE, D.J. 291.
416. ROSENBLUTH, M.N.
Diffusion in velocity space.
Conference on Controlled Thermonuclear Reactions, Princeton University, October 17-20, 1955.
TID-7503, pp.111-112, February, 1956.
417. ROSENBLUTH, M.N., KRALL, N.A. and ROSTOKER, N.
Finite larmor radius stabilization of "weakly" unstable confined plasmas.
Nuclear Fusion; 1962 suppl., Pt.1, pp.143-150, 1962.
GA-2371.
- ROSENBLUTH, M.N. 251, 266.
- ROSTOKER, N. 417.
- ROTHMAN, M.A. 236.
- RUBIN, E. 53.
418. RUBIN, H.
Stability of magnetic mirror machines.
Conference on Controlled Thermonuclear Reactions, Berkeley, California, February 20-23, 1957.
TID-7536 (pt.2), pp.193-195, September, 1957.
419. RUBY, L.
The occluded-gas ion source.
Conference on Controlled Thermonuclear Reactions, Lawrence Radiation Laboratory, Livermore, February 7-9, 1955.
WASH-289, pp.247-248, June, 1955.
420. RUBY, L.
The occluded gas ion source.
Conference on Controlled Thermonuclear Reactions, Princeton University, October 17-20, 1955.
TID-7503, pp.347-349, February, 1956.
421. RUBY, L.
Special developments project progress report II: February 1, 1954, to November 1, 1954.
UCRL-2775, 13p. November, 1954, declassified 1959.
Work towards developing a high-output hydrogen ion source using the principle of the titanium ion source, the release of ions from hydrogenated titanium, is described.
- RUBY, L. 207.

422. RUDAKOV, L.I.
 Magnetic trap with rotating plugs.
Zhur. Tekh. Fiz., vol.30, no.8, pp.907-912, 1960. (In Russian).
Trans. in Soviet Physics - Tech. Phys., vol.5, no.8, pp.853-857, February, 1961, and AEC-tr-4280, 12p.
- RUDAKOV, L.I. 21.
- RUEDGER, D. 232.
- RUTKEVICH, B.N. 443, 444, 445.
423. SABANSKIJ, V.P.
 Structure of the transition layer between a plasma and a magnetic field.
Zhur. Eksp. Teoret. Fiz., vol.40, pp.1058-1064, 1961. (In Russian).
Trans. in Soviet Physics - JETP, vol.13, no.4, pp.746-750, October, 1961.
- SAFRONOV, B.G. 256, 443, 444, 445.
- SAGDEEV, R.Z. 482.
- SALZ, F. 275.
424. SAMAIN, A.
 Les configurations a miroirs.
 (Magnetic mirror configurations).
J. Phys. Radium, vol.20, nos. 8-9, p.7, 1959. (In French).
- SAMAIN, A. 6, 7, 8, 56.
425. SATO, M.
 Notes on the magnetic mirror effect.
Progr. Theoret. Phys. (Kyoto), vol.20, pp.737-742, 1958.
426. SATO, M.
 Stability of plasma, I.
IPPA-7, 98p. March, 1963.
 pp.36-57. Flute instabilities in magnetic bottles.
- SCHILL, W.J. 29, 30.
- SCHMIDT, G. 264, 446, 501.
427. SCHWIRZKE, F.
 Longitudinal effect of the magnetic field, the pressure and expansion of the magnetic field direction on plasma diffusion.
 Institute for Plasma Physics, Garching.
 Report No. IPP-2/22, 11p. April, 1963.
- SCHWIRZKE, F. 62.
428. SCOTT, F.R. and WENZEL, R.F.
 Experimental plasma flow into a vacuum magnetic cusp field.
Phys. Rev., vol.119, no.4, pp.1187-1188, 1960.
429. SCOTT, F.R. and ELDRIDGE, O.C.
 High- β injection into a magnetic mirror field.
Phys. Fluids, vol.4, pp.1558-1564, December, 1961. GA-2375.
430. SCOTT, F.R. and others.
 Plasma injection into a time-varying mirror magnetic field.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.162, 1963. (Abstract only).
- SEMASKHO, N.N. 24, 25, 63, 197, 199, 349.
431. SEYKORA, E.J.
 Magnetic mirror confinement of exploding wire plasma.
Nature, vol.191, pp.995-996, 1961.
- SHAFRANOV, V.D. 359.
- SHERMAN, A.E. 90, 92, 96, 99, 100.
- SHIPLEY, E.D. 3, 4, 5, 31, 41.
- SHOWALTER, D.E. 96.
- SHPIGEL, I.S. 329.
432. SHUZO, S.
 Calculation of numerical values concerning the stability of charged particles trapped by a mirror.
Kakuyugo Kenkyu, vol.4, no.6, pp.520-529, June, 1960. (In Japanese).
- SHVESHNIKOV, A.G. 24, 25.
433. SIMON, A.
 Critical current for burnout in an OGRA-type device.
 ORNL-2831, 52p. October, 1959.
 TID-7582, paper 12, 5p. November, 1959.
434. SIMON, A.
 Critical current for burnout in an OGRA-type device.
J. Nuclear Energy, Pt.C, Plasma Physics, vol.1, no.4, p.215, July, 1960.
435. SIMON, A.
 DCX theory.
 Controlled Thermonuclear Conference, Washington, February 3-5, 1958.
 TID-7558, pp.236-239, October, 1958.
436. SIMON, A.
 High energy injection pt.1.
 Riso Report 18, pp.493-513, November, 1960.
437. SIMON, A.
 High energy steady state injection into thermonuclear devices: the Luce Ignition Scheme.
 ORNL-CF-58-4-24, 11p. April, 1958.

438. SIMON, A.
The influence of end mirrors, high density and long tube length on radial diffusion.
ORNL-1960, 18p. September, 1955, declassified 1958.
439. SIMON, A.
Ignition of a thermonuclear plasma by high-energy injection.
Phys. Fluids, vol.1, no.6, pp.495-500, November-December, 1958.
Phys. Fluids, vol.2, no.3, pp.336-337, May-June, 1959.
440. SIMON, A.
The Luce Ignition Scheme: steady-state injection in thermonuclear devices.
Nuclear Engineering, vol.3, p.259 and p.263, June, 1958.
441. SIMON, A. and RANKIN, M.
Some properties of a steady state high-energy injection device (DCX).
ORNL-2354, 42p. September, 1957, declassified 1958.
- SIMON, A. 31, 41, 149, 155.
442. SIMONOV, V.A. and others.
Maintaining ultra-low pressures of neutral gases during the accumulation of high-temperature plasma in magnetic traps.
Nuclear Fusion; 1962 suppl., Pt.1, pp.325-339, 1962. (In Russian).
Trans. in AEC-tr-5589, pp.168-203, February, 1963.
- SIMPKINS, J.E. 103.
- SINDA, T. 216.
443. SINEL'NIKOV, K.D. and others.
Investigation of the magnetic trap.
Zhur. Tekh. Fiz. vol.30, no.3, pp.256-260, 1960. (In Russian).
Trans. in Soviet Physics - Technical Physics, vol.5, no.3, pp.236-240, September, 1960.
444. SINEL'NIKOV, K.D. and others.
Investigation of magnetic traps with space-charge.
In: Proceedings of the Fourth International Conference on Ionization Phenomena in Gases, Uppsala, 17-21 August, 1959, vol.2, pp.1017-1020.
445. SINEL'NIKOV, K.D., RUTKEVICH, B.N. and SAFRONOV, B.G.
Nonadiabatic traps for charge particles.
AEC-tr-4724, 17p. 1960.
SINEL'NIKOV, K.D. 463, 484.
446. SINNIS, J. and SCHMIDT, G.
Experimental trajectory analysis of charged particles in a cusped geometry.
Phys. Fluids., vol.6, no.6, p.841, June, 1963.
TID-18228, 54p. [1962].
447. SKELLETT, S.
Design of 100-kG pulsed coils for PHEONIX mirror machine.
In: Proceedings of the International Conference on High Magnetic Fields, held at Massachusetts Institute of Technology, Cambridge, Massachusetts, November 1-4, 1961. Edited by H. Kolm and others, pp.296-306.
M.I.T. Press, 1962, 762p.
- SKIBENKO, A.I. 485.
- SKORYUPIN, V.A. 21.
- SLEDZIEWSKI, Z. 140.
- SMITH, L. 175, 176, 177, 206, 207.
448. SNELL, A.H.
The DCX approach to the thermonuclear problem - progress since Geneva.
Proceedings of the Fourth International Conference on Ionization Phenomena in Gases, Uppsala, August 17-21, 1959, vol.2, pp.997-1001.
449. SNELL, A.H.
Plasma accumulation by high-energy injection: the DCX experiment.
In: Recent Research on Controlled Thermonuclear Fusion. Review Series. Developments in the peaceful applications of nuclear energy, No.4, Vienna, pp.65-80. I.A.E.A., 1960.
- SNELL, A.H. 41.
- SNOW, G.A. 456.
- SOBOLEV, R.I. 22, 244, 245, 246, 247.
- SOKOLEV, Yu.L. 1.
- SOLDATENKO, T.R. 118.
450. SOLOV'YEV, L.S.
Motion of charged particles in a magnetic trap.
In: Plasma physics and the problem of controlled thermonuclear reactions, edited by M.A. Leontovich, vol.4, pp.35-45. Pergamon Press, 1960.
In: Fiz. plazmy i probl. upravljajemyh termojadern. reakcij. vol.4, pp.32-41. Moscow, 1958. (In Russian).
- SPALDING, I.J. 12, 13.
451. SPITZER, L.J.
Effect of plasma oscillations on the TABLE TOP model.
AECD-3749, 5p. 1952.
452. STEINHAUS, J.F., OLESON, N.L., and BAR, W.L.
Investigation of a plasma from an occluded gas, cold plasma source.
Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.176, 1963. (Abstract only).

453. STEINHAUS, J.F. and DAMM, C.C.
Trapping and confinement of 20-keV hydrogen atoms in a magnetic mirror machine.
UCRL-6131, 32p. December, 1960.
- STEINHAUS, J.F. 114.
454. STERN, D.
An optical analog to the motion of magnetically trapped particles.
AFOSR-25, 11p. 1960.
455. STIRLING, W.L. and others.
Low-density arc plasma for dissociation.
Amer. Phys. Soc. Bull., series 2, vol.7, no.8, p.567, November, 1962.(Abstract only).
- STIX, T.H. 235.
- STOVALL, E.J. 121.
456. SUCHER, J., SNOW, G.A., and DAY, T.B.
Cusp phenomena in the region of two neighbouring thresholds.
AFOSR-174, 19p. 1960.
- SUMAROKOV, Y.I. 359.
- SUMAROKOV, V.N. 358.
457. SWEETMAN, D.R.
Dissociation of H_2^+ ions by hydrogen.
Phys. Rev. Lett., vol.3, no.9, pp.425-427, November, 1959.
458. SWEETMAN, D.R.
The dissociation of fast H_2^+ ions by hydrogen.
Roy. Soc. Proc. A, vol.256, no.1286, pp.416-426, July 5, 1960.
459. SWEETMAN, D.R.
Mirror machine experiments and related atomic cross-section measurements at A.W.R.E. Aldermaston.
Nuclear Fusion; 1962 suppl., Pt.1, pp.279-287, 1962.
- TACHON, J. 279.
- TARTAR, C.B. 231.
460. TAYLOR, J.B.
Some stable plasma equilibria in combined mirror-cusp fields.
CLM-P 22, 17p. June, 1963.
- TEL'KOVSKII, V.G. 202, 203, 244, 245, 246, 247.
461. TEMPERLEY, H.N.V.
Estimating the lifetime of ions in a mirror machine.
In: Proceedings of the Fourth International Conference on Ionization Phenomena in Gases, Uppsala, 17-21 August, 1959, vol. 2, pp.1015 - 1016.
- TENNEY, F.H. 235.
- TERESHIN, V.I. 256.
462. Thermonucleonics: AEC reveals principles of Stellarator, Pyrotron, and DCX. Nucleonics, vol.16, no.5, pp.122-123, May, 1958.
- TIKHONOV, A.N. 24.
463. TOLOK, V.T. and SINELNIKOV, K.D.
A possible method for plasma injection into closed magnetic traps.
Zhur. Tekh. Fiz. vol.32, no.2, pp.248-249, February, 1962. (In Russian).
Trans. in Soviet Physics - Technical Physics, vol.7, no.2, p.176, August, 1962.
- TOLOK, V.T. 484, 485.
- TOMACHUK, Yu.F. 67, 68.
464. TROCHERIS, M.
Adiabatic approximation and confinement of a particle by magnetic mirrors.
Cahiers de Physique, no.142, pp.221-235, 1962. (In French).
EUR-256-f, 15p. 1963. (In French).
- TRUBCHANINOV, S.A. 256.
465. TUCK, J.L.
A comment concerning tabulation of instabilities.
Conference on Thermonuclear Reactions, Lawrence Radiation Laboratory, Livermore, February 7-9, 1955.
WASH-289, pp.356-358, June, 1955.
466. TUCK, J.L.
PICKET FENCE. Conference on Thermonuclear Reactions, Princeton University, October 26-27, 1954.
WASH-184, pp.77-86, January, 1955, declassified 1959.
LADC-NN-178.
Progress in Nuclear Energy, series 11. Plasma Physics and Thermonuclear Research, vol.2, pp.278-285, 1963.
467. TUCK, J.L.
Plasma jet piercing of magnetic field and entropy trapping into a conservative system.
Phys. Rev. Lett., vol.3, no.7, pp.313-315, October 1, 1959.
- TUCK, J.L. 121.
- TURPEN, O.S. 89.
468. UCHIDA, T. and YOSHIDA, H.
Dielectric breakdown conditions in the mirror-type and the induction pinch mechanisms.
Genshiryoku Kogyo, vol.6, no.2, p.15-19, 1960. (In Japanese).

469. UNITED STATES ATOMIC ENERGY COMMISSION.
Apparatus for manipulating a plasma.
British Patent 860,840, February, 1961.
470. UNITED STATES ATOMIC ENERGY COMMISSION.
Fueling of thermonuclear reactors.
British Patent 888,720, 10p. February, 1962.
471. UNITED STATES ATOMIC ENERGY COMMISSION.
Improvement of the Pyrotron.
French Patent 1,230,672, April, 1960.
472. UNITED STATES ATOMIC ENERGY COMMISSION.
Magnetic end barriers for controlled fusion reactors.
French Patent 1,223,778, February 1, 1960.
473. UNITED STATES ATOMIC ENERGY COMMISSION.
Magnetic end closures for controlled fusion reactors.
British Patent 873,057, 6p. July, 1961.
474. UNITED STATES ATOMIC ENERGY COMMISSION.
Method and apparatus for trapping ions in a magnetic field.
British Patent 853,916, November, 1960.
475. UNITED STATES ATOMIC ENERGY COMMISSION.
Plasma device.
British Patent 881,786, 8p. November, 1961.
476. UNITED STATES ATOMIC ENERGY COMMISSION.
Plasma device utilizing self-trapping of plasma currents and magnetic field.
British Patent 886,360, 11p. January, 1962.
477. UNITED STATES ATOMIC ENERGY COMMISSION.
Thermonuclear reactor.
British Patent 891,727, March, 1962.
478. UNITED STATES ATOMIC ENERGY COMMISSION.
Thermonuclear reactor and method of initiating and sustaining a thermonuclear reaction.
British Patent 880,124, 13p. October, 1961.
479. UO, K.
Adiabatic compression of plasma by a cylindrical multipolar-cusp magnetic field.
Amer. Phys. Soc. Bull., series 2, vol.8, no.4, p.298, 22 April, 1963.
Phys. Fluids, vol.6, no.4, p.596, April, 1963.
480. UO, K.
The confinement of plasma by the HELIOTRON magnetic field.
J. Phys. Soc. Japan, vol.16, pp.1380-1395, July, 1961. (In English).
481. VAN NESS, H.W.
Report on the Geneva Conference: developments in controlled fusion electronics.
IRE Trans. Nucl. Sci., vol.NS 6, no.3, pp.11-19, September, 1959.
- VAN NORTON, R. 210.
- VASSEUR, P. 66.
482. VEDENOV, A.A., VELIKHOV, E.P. and SAGDEEV, R.Z.
Transition phenomena in non-equilibrium inhomogeneous plasma.
I.A.E.A. Conference on Plasma Physics and Controlled Nuclear Fusion Research, Salzburg, 1961. Paper no. CN-10/198, 1961. (In Russian). (Abstract only in published proceedings).
- VELIKHOV, E.P. 482.
- VERON, D. 279.
483. VLADIMIRSKII, V.V.
Magnetic mirrors, channels and bottles for cold neutrons.
Zhur. Eksp. Teoret. Fiz., vol.39, pp.1062-1070, October, 1960. (In Russian). Trans. in Soviet Physics - JETP, vol.12, no.4, p.740, April, 1961.
484. VOLKOV, Yu.F., TOLOK, V.T., and SINEL'NIKOV, K.D.
 γ -radiation of a discharge in magnetic trap with additional azimuthal magnetic field.
Zhur. Tekh. Fiz., vol.32, no.7, pp.811-816, July, 1962. (In Russian). Trans. in Soviet Physics - Technical Physics, vol.7, no.7, pp.593-597, January, 1963.
485. VOLKOV, Yu.F., and others.
Plasma in alternating magnetic field.
AEC-TR-4705, 10p. 1962.
- VON VOROS, G. 500.
- VOORHIES, H.G. 248.
486. VUILLEMIN, M.
Effect of a conducting wall on the stability of magnetic mirror configurations.
Nuclear Fusion; 1962 suppl., Pt.1, pp.341-344, 1962. (In French).
- WAELBROECK, F. 288.
- WANIEK, R.W. 168.
- WARNER, R.M. 29, 30.
487. WATTEAU, J.P.H.
Experiments with pulsed magnetic cusps.
Phys. Fluids, vol.4, no.5, pp.607-610, 1961.
UCRL-9239, 17p. May, 1960.
- WELLS, E.R. 29, 30.
488. WENTWORTH, R.C. and MACDONALD, W.M.
Pitch angle diffusion in a magnetic mirror geometry.
NP-10673, 13p, July, 1961.
AD-263807, 16p. July, 1961.
489. WENTWORTH, R.C.
Pitch angle diffusion in a magnetic mirror geometry.
Phys. Fluids, vol.6, no.3, pp.431-437, March, 1963.

- WENZEL, R.F. 428.
490. WESTENDORP, W.F.
High magnetic field production with millisecond and microsecond rise times. NP-8580, 11p. February, 1960.
- WESTENDORP, W.F. 196.
491. WETSTONE, D.M., EHRLICH, M.P. and FINKELSTIEN, D.
Experiments on plasmoid motion along magnetic fields. Phys. Fluids, vol.3, pp.617-630, July - August, 1960.
492. WETSTONE, D.M.
Experiments on supersonic plasma flow along magnetic fields, Part 2. NYO-2877, 112p. September, 1959.
493. WHARTON, C.B. and GARDNER, A.L.
Microwave diagnostics. Conference on Controlled Thermonuclear Reactions, Gatlinberg, June 4-7, 1956. TID-7520, pp.480 - 487, September, 1956.
494. WHARTON, C.B.
Microwave radiometry measurements on the TABLE TOP experiment. TID-7558, p.205. UCRL-5129, February, 1958.
495. WHARTON, C.B., HOWARD, J.C. and HEINZ, O.
Plasma diagnostic developments in the UCRL Pyrotron program. Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy, Geneva, September 1-13, 1958, vol.32, pp.388-393.
- WHARTON, C.B. 110, 113, 374.
496. WHITEHOUSE, D.R.
Synthesis of inhomogeneous magnetic fields. Proceedings of Symposium on Magnetic Field Design in Thermonuclear Research, Gatlinburg, Tennessee, December 11 and 12, 1958. ORNL-2745, pp.74- 78.
- WILCOX, J.M. 206, 207.
497. WINGERSON, R.C.
"Corkscrew" - A device for changing the magnetic moment of charged particles in a magnetic field. Phys. Rev. Lett., vol.6, pp.446-448, 1961. The use of pairs of these devices in magnetic mirror machines to trap particles is suggested.
- WOLF, N. 501.
498. WRIGHT, J.K. and PHILLIPS, N.J.
The confinement of shock-heated plasmas in mirror magnetic fields. J. Nucl. Energy, Pt.C, Plasma Physics, vol.1, pp.240-243, July, 1960.
- YAMOTO, H. 342.
499. YEVICK, G.J. and PERCUS, J.K.
Comments on flat-ring injection of plasma into a cusp magnetic field. Amer. Phys. Soc. Bull., series 2, vol.8, no.4, p.311, 22 April, 1963.
500. YEVICK, G.J. and others.
Further experimental contributions by project CHALICE to the study of plasmas in a magnetic-cusp field. Amer. Phys. Soc. Bull., series 2, vol.8, no.2, p.173, 28 February, 1963.
501. YEVICK, G.J. and others.
Plasma bounce in CHALICE. Amer. Phys. Soc. Bull., series 2, vol. 7, no.1, p.12, 24 January, 1962.
- YOSHIDA, H. 468.
502. YUSHMANOV, E.E.
Radial distribution of potential in a cylindrical magnetic trap with a magnetron method of ion injection.
In: Plasma physics and the problem of controlled thermonuclear reactions, edited by M.A. Leontovich, vol.4, pp.277-304. Pergamon Press, 1960.
In: Fiz. plazmy i probl. upravljajemyh termojadern. reakcij. vol.4, pp.235-257, Moscow, 1958.
- YUSHMANOV, E.E. 243, 244, 245, 246, 247.
- ZAVOISKII, E.K. 21.
503. ZIZZO, S.G. and HALL, L.S.
Q-CUMBER (D.C. Mirror Machine) experiments. Conference on Thermonuclear Reactions, University of California, Radiation Laboratory, Livermore, February 7-9, 1955. WASH-289, pp.144-150, 1955.
- ZIZZO, S.G. 143, 145, 148, 171.
504. ZUBOV, Yu.G. and others.
Investigation of the energy spectrum of electrons and ions leaving the ends of a system with magnetic mirrors. Zhur. Tekh. Fiz., vol.33, no.6, pp.686-692, June, 1963. (In Russian). Trans. in Soviet Physics - Technical Physics, vol.8, no.6, pp.513-517, December, 1963.

INDEX TO SUBJECTS

ALBEDO 142.

ALICE 72, 74, 75, 78, 80, 82, 83, 84, 85, 112, 114, 189, 190, 200, 231, 315, 381, 452.

B - 66 235, 236.

BABY ALICE 76, 77, 79, 453.

BETA - RAY EXPERIMENT 74, 185, 186, 187, 194.

CABINET 62, 427.

COMPRESSION 8, 91, 92, 101, 111, 172, 195, 196, 352, 395, 409, 479, 498.

CUSP 3, 9, 12, 13, 36, 52, 53, 54, 105, 119, 192, 201, 208, 210, 211, 217, 218, 219, 220, 221, 233, 234, 262, 264, 266, 275, 281, 289, 290, 313, 314, 344, 345, 346, 347, 358, 359, 428, 446, 456, 460, 466, 479, 487, 499, 500, 501.

DCX 15, 29, 30, 31, 42, 120, 122, 149, 151, 153, 154, 155, 157, 180, 183, 195, 238, 239, 261, 306, 307, 309, 310, 316, 320, 333, 334, 336, 337, 373, 435, 437, 441, 448, 449, 469, 470, 471, 474, 478.

DCX - 1 55, 123, 124, 150, 315, 332, 341, 401, 402, 455.

DCX - 2 38, 39, 40, 41, 315, 319, 336, 337, 341, 407.

DCX - EP - B 338.

DECA 1 135, 136, 137, 408.

DECA 2 279, 280.

DIAGNOSTICS 1, 17, 23, 32, 33, 39, 71, 90, 111, 113, 123, 128, 129, 131, 179, 202, 215, 236, 237, 246, 250, 261, 280, 320, 348, 361, 374, 401, 407, 408, 459, 481, 484, 493, 494, 495, 504.

ELECTRICAL ENGINEERING 109, 110, 224, 401, 481.

FELIX 126, 127, 175, 194, 379, 394.

HX - 0 315.

HELIOTRON 426, 479, 480.

INJECTION 39, 66, 100, 112, 204, 207, 228, 229, 232, 240, 245, 275, 293, 294, 295, 302, 315, 322, 375, 378, 390, 405, 430, 455, 470.

INJECTION : ION 5, 37, 44, 64, 132, 194, 292, 305, 309, 311, 317, 318, 406, 408, 437, 457, 458, 459.

INJECTION : MOLECULAR	26, 36, 38, 64, 194, 216, 278.
INJECTION : NEUTRAL	5, 111, 188, 189, 190, 195, 276, 277, 278, 370, 421.
INJECTION : PLASMA	66, 119, 219, 220, 256, 279, 281, 288, 312, 321, 344, 345, 346, 358, 408, 452, 499.
INJECTION : POSITRONS	185, 186, 187, 192.
INJECTION : THEORY	27, 169, 270, 291, 316, 406, 429, 436, 439, 440, 463, 467.
ION MAGNETRON	74, 77, 78, 83, 206, 426.
ION SOURCES	61, 98, 139, 145, 165, 170, 273, 305, 308, 316, 327, 328, 419, 420, 421.
"LONG MIRROR"	45, 46, 248.
LOSS MECHANISMS	4, 15, 17, 46, 49, 50, 51, 54, 58, 59, 152, 155, 195, 201, 245, 247, 251, 262, 268, 351, 353, 355, 368, 378, 402, 410, 411, 504.
MM - 1	303, 304.
MM - 2	304.
MM - 3	304.
MM - 4	304.
MM - 5	304.
MMII	135, 137, 315, 404, 405.
MAGNETS AND MAGNETIC FIELDS	55, 89, 93, 102, 103, 130, 138, 141, 168, 178, 180, 181, 182, 183, 227, 335, 360, 368, 378, 447, 472, 473, 490, 492, 496.
MECHANICAL ENGINEERING	39, 238, 239.
OGRA	1, 17, 24, 32, 63, 64, 152, 195, 197, 199, 267, 268, 315, 327, 328, 356, 357, 433, 434.
OGRENOK	68, 69, 315.
OREKH	265.
PARTICLE BEHAVIOUR	24, 25, 28, 105, 123, 124, 125, 177, 179, 191, 192, 198, 207, 210, 225, 246, 259, 269, 271, 286, 350, 355, 402, 403, 414, 416, 446, 450, 454, 464, 485, 492, 501.
PARTICLE BEHAVIOUR : ELECTRONS	16, 35, 117, 144, 154, 155, 160, 161, 162, 163, 164, 348, 504.
PARTICLE BEHAVIOUR : IONS	30, 64, 102, 154, 178, 182, 205, 235, 263, 298, 357, 461, 504.
PARTICLE BEHAVIOUR : PLASMOIDS	20, 69, 358, 491.
PARTICLE BEHAVIOUR : PROTONS	29.

PHOENIX	231, 315, 331, 447, 459.
PICKET FENCE	218, 233, 234, 344, 345, 466.
Q - CUMBER II	171, 503.
ROMAC	105, 289, 290.
SATURN	322, 323, 324, 493.
SPICE	9.
SQUASH COURT II	109.
STABILITY	67, 72, 104, 112, 150, 159, 167, 222, 226, 243, 255, 257, 260, 266, 284, 285, 286, 287, 329, 330, 352, 356, 361, 377, 384, 385, 386, 399, 400, 417, 418, 451, 460, 465, 468, 482, 486.
STATISTICAL BEHAVIOUR	32, 33, 34, 45, 48, 52, 59, 70, 149, 150, 154, 166, 169, 177, 178, 184, 297, 316, 329, 357, 369, 375, 387, 432, 454, 461, 465, 502.
SURVEYS	10, 19, 56, 57, 133, 134, 214, 315, 349, 380, 412, 415, 481.
SURVEYS : PYROTRON	14, 43, 60, 86, 97, 113, 115, 116, 212, 241, 376, 379, 387, 388, 390, 391, 392, 393, 394, 398, 462, 495.
TABLE TOP	23, 76, 77, 78, 79, 80, 82, 128, 143, 145, 146, 193, 227, 229, 379, 389, 394, 451, 493, 494.
TABLE TOP I	81, 110, 141.
TABLE TOP II	78, 79, 81, 147, 148.
TABLE TOP III	81, 82, 83, 84, 85.
THEORY	16, 18, 20, 24, 25, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 58, 59, 67, 72, 87, 88, 94, 102, 105, 117, 118, 121, 125, 133, 151, 152, 153, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 167, 173, 174, 176, 185, 195, 209, 210, 211, 213, 222, 225, 226, 242, 251, 252, 253, 254, 255, 258, 259, 260, 262, 266, 269, 270, 271, 272, 274, 283, 284, 285, 286, 287, 296, 298, 322, 326, 330, 350, 354, 355, 359, 360, 367, 368, 369, 371, 377, 378, 380, 395, 399, 400, 413, 415, 416, 417, 418, 423, 425, 426, 427, 433, 434, 435, 438, 440, 441, 445, 450, 456, 460, 464, 467, 482, 488, 489, 497.
TOY TOP	73, 76, 79, 91, 95, 96, 98, 99, 100, 172, 394, 398.
TOY TOP II	92, 389.
TOY TOP II Ø B	73, 101, 379.
TOY TOP III	80, 81, 82, 85, 90, 111, 389.
TOY TOP III S	84, 85.
TOY TOP 2X	84, 85.
VACUUM	65, 140, 442.

INDEX TO REPORT NUMBERS

AD 263807	488	AWRE NR/P 4/60	354	CN-10/190	178
AD 283078	281	CEA 2252	408	CN-10/191	38
AD 287923	105	CEA 2264	279	CN-10/198	482
AEC-tr-3859	404	CERN/FSG/11	133	CN-10/202	265
AEC-tr-4217	245	CERN/FSG/12	134	CN-10/204	359
AEC-tr-4280	422	CERN/FSG/13	135	CN-10/208	202
AEC-tr-4706	485	CERN/FSG/14	136	CN-10/210	64
AEC-tr-4724	445	CERN/FSG/15	137	CN-10/211	24
AEC-tr-4837	243	CLM-P 22	460	CN-10/212	32
AEC-tr-5589, p.1	265	CM-1023	281	CN-10/213	17
AEC-tr-5589, p.18	359	CN-10/3	286	CN-10/214	1
AEC-tr-5589, p.29	64	CN-10/33	62	CN-10/216	243
AEC-tr-5589, p.65	32	CN-10/51	413	CN-10/225	68
AEC-tr-5589, p.83	243	CN-10/69	13	CN-10/240	71
AEC-tr-5589, p.97	68	CN-10/74	459	CN-10/255	442
AEC-tr-5589, p.168	142	CN-10/97	204	CN-10/262	203
AEC-tr-5589, p.626	202	CN-10/100	486	CNEN.RT/FI(62)44	353
AEC-tr-5589, p.637	24	CN-10/139	275	DRP-41	7
AEC-tr-5620	201	CN-10/153	367	EFINs-61-9	350
AECD-3749	451	CN-10/154	220	EUR-256.f	464
AED-Conf.1961.133-2	186	CN-10/158	35	EUR-CEA-FC-130	27
AERE-GP/R 2371 ch.6	394	CN-10/159	37	GA-2371	417
AERE-GP/R 2371 ch.16	42	CN-10/160	123	GA-2375	429
AERE-GP/R 2371 ch.20	379	CN-10/170	417	IPP-2/22	427
AERE-TRANS-954	140	CN-10/172	210	IPPJ-2	164
AFCRL 62-810	105	CN-10/173	114	IPPJ-7	426
AFOSR-25	454	CN-10/174	167	KR-16	242
AFOSR-174	456	CN-10/175	186	LADC-4261	218
AFOSR-402	350	CN-10/178	121	LADC-4634	219
AFSWP-1072	241	CN-10/181	429	LADC-4825	220

				<u>PATENTS</u>
LADC-1944	217	ORNL-2745 p.22	227	
LADC-5286	346	ORNL-2745 p.74	496	Australian Patent 231,333
LADC-NN-168	234	ORNL-2802	337	British Patent 853,916
LADC-NN-177	233	ORNL-2831	433	British Patent 860,840
LADC-NN-178	466	ORNL-2842 p.219	333	British Patent 873,057
LAMS-2444	299	ORNL-2914	153	British Patent 880,124
LAMS-2464	300	ORNL-2926 p.80	182	British Patent 881,559
LAMS-2488	301	ORNL-3011 p.80	102	British Patent 881,786
LAMS-2529	302	ORNL-3037	152	British Patent 883,707
LAMS-2874	303	ORNL-3044	338	British Patent 886,360
LAMS-2916	304	ORNL-3104 p.99	103	British Patent 888,720
MF-7	213	ORNL-3113	28	French Patent 1,223,778
NP-7580	325	ORNL-3161	154	French Patent 1,224,262
NP-8580	490	ORNL-3162	159	French Patent 1,230,661
NP-10673	488	ORNL-3239	339	French Patent 1,230,672
NYO-2536	54	ORNL-3315	340	U.S. Patent 3,015,748
NYO-2877	492	ORNL-3325	39	Riso Report 18, p.209
NYO-8672	212	ORNL-3387	407	Riso Report 18, p.493
NYO-9355	213	ORNL-3392	341	Riso Report 18, p.515
NYO-9358	165	ORNL-3392 p.35	2	228
NYO-9370	262	ORNL-CF-55-3-103	308	282
NYO-10424	158, 173	ORNL-CF-56-2-152	310	223
ORNL-1960	438	ORNL-CF-57-12-101	316	309
ORNL-2354	441	ORNL-CF-58-4-24	437	307
ORNL-2457	334	ORNL-CF-59-2-75	149	308
ORNL-2552	155	ORNL-CF-59-6-32	151	309
ORNL-2581	15	ORNL-CF-60-1-73	41	307
ORNL-2693	336	ORNL-CF-60-11-50	318	309
ORNL-2745	335	ORNL-CF-61-7-1	150	306
ORNL-2745 p.8	55	ORO-569	271	240

Riso Report 18, p.529	370	TID-7520 p.394	52	TID-7582 paper 25	377
61-RL-2626E	196	TID-7520 p.413	225	TID-11260	264
61-R-2725E	47	TID-7520 p.480	493	TID-17197	270
SNE-25	8	TID-7520 p.513	368	TID-18228	446
SNE-27	404	TID-7536 p.54	391	UCRL-2775 (De1)	421
SNE-30	405	TID-7536 p.135	375	UCRL-2931	251
SNE-32	6	TID-7536 p.147	148	UCRL-3188	230
TID-7503 p.88	392	TID-7536 p.159	101	UCRL-3206	274
TID-7503 p.92	96	TID-7536 p.168	126	UCRL-3717	177
TID-7503 p.95	147	TID-7536 p.170	177	UCRL-4131	249
TID-7503 p.100	171	TID-7536 p.193	418	UCRL-4231	380
TID-7503 p.103	224	TID-7536 p.196	209	UCRL-4317	226
TID-7503 p.111	416	TID-7536 p.314	305	UCRL-4339	144
TID-7503 p.115	59	TID-7536 p.321	179	UCRL-4350	145
TID-7503 p.127	274	TID-7536 p.517	324	UCRL-4362	110
TID-7503 p.135	395	TID-7558 p.6	43	UCRL-4363	142
TID-7503 p.146	378	TID-7558 p.120	207	UCRL-4372	141
TID-7503 p.326	61	TID-7558 p.168	127	UCRL-4402	98
TID-7503 p.339	277	TID-7558 p.184	143	UCRL-4407	360
TID-7503 p.342	295	TID-7558 p.195	131	UCRL-4477	374
TID-7503 p.347	420	TID-7558 p.205	494	UCRL-4544	89
TID-7503 p.350	170	TID-7558 p.211	99	UCRL-4550	138
TID-7503 p.407	237	TID-7558 p.219	387	UCRL-4554	276
TID-7503 p.502	172	TID-7558 p.227	307	UCRL-4558	229
TID-7520 p.59	393	TID-7558 p.236	435	UCRL-4569	294
TID-7520 p.153	146	TID-7558 p.279	238	UCRL-4570	292
TID-7520 p.155	323	TID-7558 p.382	411	UCRL-4573	273
TID-7520 p.172	278	TID-7558 p.413	175	UCRL-4580	104
TID-7520 p.387	259	TID-7559 p.518	181	UCRL-4594	224
TID-7520 p.391	260	TID-7582 paper 12	433	UCRL-4597	295

UCRL-4601	59	UCRL-5286	87	UCRL-8775	74
UCRL-4604	147	UCRL-5370	187	UCRL-8887	75
UCRL-4611	96	UCRL-5374	116	UCRL-9002	76
UCRL-4620	395	UCRL-5423-T	166	UCRL-9106	77
UCRL-4623	378	UCRL-5524	377	UCRL-9239	487
UCRL-4627	392	UCRL-5603-T	100	UCRL-9243	78
UCRL-4658	362	UCRL-5604-T	382	UCRL-9393	79
UCRL-4661	363	UCRL-5651-T	410	UCRL-9500	80
UCRL-4696	278	UCRL-5696	184	UCRL-9598	81
UCRL-4705	364	UCRL-5827	194	UCRL-9777	82
UCRL-4795	365	UCRL-6077	383	UCRL-9969	83
UCRL-4843	101	UCRL-6078	370	UCRL-10294	84
UCRL-4846	148	UCRL-6079	399	UCRL-10607	85
UCRL-4856	391	UCRL-6131	453	UCRL-10740	172
UCRL-4863	188	UCRL-6235	48	UCRL-13045	351
UCRL-4897	366	UCRL-6236	51	WASH-146 p.61	249
UCRL-4971-T	193	UCRL-6377	367	WASH-184 p.7	398
UCRL-5044	388	UCRL-6380	186	WASH-184 p.30	95
UCRL-5045	97	UCRL-6384	167	WASH-184 p.38	376
UCRL-5046	115	UCRL-6393	114	WASH-184 p.77	466
UCRL-5047 Rev.II	190	UCRL-6492-T	111	WASH-184 p.87	233
UCRL-5048	113	UCRL-6554	46	WASH-289 p.32	234
UCRL-5049	371	UCRL-6705-T	384	WASH-289 p.141	128
UCRL-5112	143	UCRL-6728	169	WASH-289 p.144	503
UCRL-5117	131	UCRL-7033	231	WASH-289 p.158	251
UCRL-5129	494	UCRL-7250-T	112	WASH-289 p.165	232
UCRL-5132	411	UCRL-8076	176	WASH-289 p.198	390
UCRL-5140	99	UCRL-8140	175	WASH-289 p.238	109
UCRL-5147	387	UCRL-8156	207	WASH-289 p.244	322
UCRL-5183-T	86	UCRL-8579	206	WASH-289 p.247	419
UCRL-5285	139	UCRL-8682	73	WASH-289 p.356	465

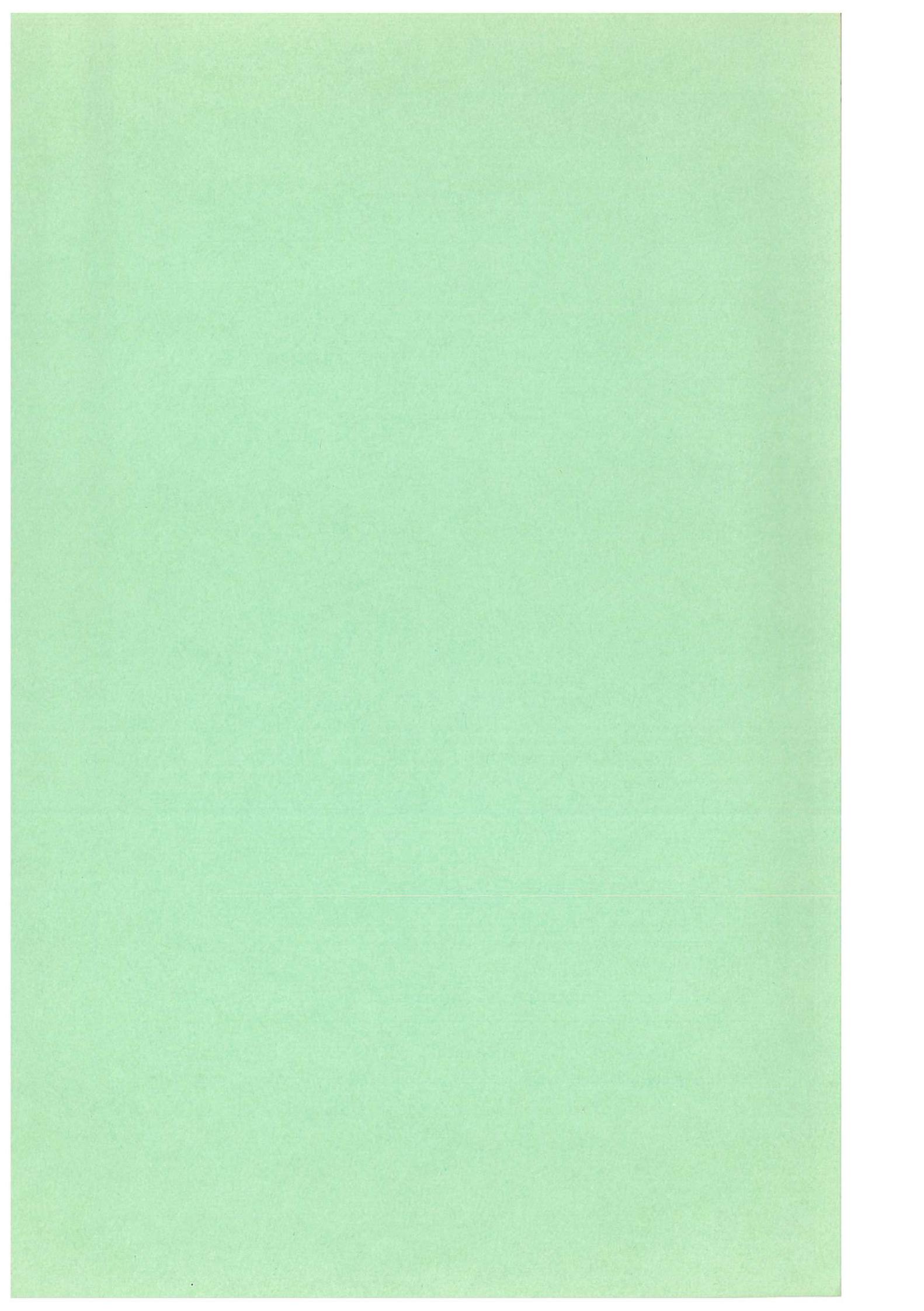
INDEX TO JOURNAL TITLES

Acad. Sci. (Paris) Comptes Rend. <u>249</u> p.994	117	Amer. Phys. Soc. Bull. <u>7</u> p.567	455
Acad. Sci. (Paris) Comptes Rend. <u>249</u> p.997	406	Amer. Phys. Soc. Bull. <u>8</u> p.159	200
Acad. Sci. (Paris) Comptes Rend. <u>253</u> p.86	66	Amer. Phys. Soc. Bull. <u>8</u> p.162	280, 291, 321, 430
Acad. Sci. (Paris) Comptes Rend. <u>254</u> p.3081	216	Amer. Phys. Soc. Bull. <u>8</u> p.168	132
Akad. Nauk. SSSR Dokl. <u>147</u> p.576	201	Amer. Phys. Soc. Bull. <u>8</u> p.171	40, 124, 332, 402
Akad. Nauk. SSSR Dokl. <u>148</u> p.1049	297	Amer. Phys. Soc. Bull. <u>8</u> p.172	26, 94, 130, 352, 361
Amer. J. Phys. <u>30</u> p.867	11	Amer. Phys. Soc. Bull. <u>8</u> p.173	36, 500
Amer. Nucl. Soc. Trans. <u>5</u> p.99	319	Amer. Phys. Soc. Bull. <u>8</u> p.175	266
Amer. Phys. Soc. Bull. <u>2</u> p.403	372	Amer. Phys. Soc. Bull. <u>8</u> p.176	452
Amer. Phys. Soc. Bull. <u>2</u> p.412	187	Amer. Phys. Soc. Bull. <u>8</u> p.177	288
Amer. Phys. Soc. Bull. <u>4</u> p.388	261	Amer. Phys. Soc. Bull. <u>8</u> p.298	479
Amer. Phys. Soc. Bull. <u>5</u> p.350	218	Amer. Phys. Soc. Bull. <u>8</u> p.311	499
Amer. Phys. Soc. Bull. <u>6</u> p.195	345	Amer. Phys. Soc. Bull. <u>8</u> p.424	12
Amer. Phys. Soc. Bull. <u>7</u> p.12	501	Atomnaya Energiya <u>5</u> p.105	267
Amer. Phys. Soc. Bull. <u>7</u> p.13	157	Atomnaya Energiya <u>6</u> p.623	414
Amer. Phys. Soc. Bull. <u>7</u> p.142	344	Atomnaya Energiya <u>6</u> p.630	88
Amer. Phys. Soc. Bull. <u>7</u> p.143	289	Atomnaya Energiya <u>8</u> p.562	18
Amer. Phys. Soc. Bull. <u>7</u> p.319	403	Atomnaya Energiya, <u>11</u> p.336	314
Amer. Phys. Soc. Bull. <u>7</u> p.405	5	Atomnaya Energiya <u>13</u> p.421	67
Amer. Phys. Soc. Bull. <u>7</u> p.406	221, 257	Atomnaya Energiya <u>13</u> p.472	330
Amer. Phys. Soc. Bull. <u>7</u> p.441	290	Atomnaya Energiya <u>13</u> p.581	44

Atomnaya Energiya <u>14</u> p.72	356	J. Nucl. Energy (c) <u>5</u> p.121	44
Atomnaya Energiya <u>14</u> p.354	69	J. Nucl. Energy (c) <u>5</u> p.145	268
Atompraxis <u>5</u> p.373	120	J. Nucl. Energy (c) <u>5</u> p.323	330
Communs. Electron. no.52 p.822	183	J. Nucl. Energy (c) <u>8</u> p.168	267
Czech J. Phys. B. <u>13</u> p.401	269	J. Phys. Radium <u>20</u> p.7	424
Elect. Rev. <u>173</u> p.395	412	J. Phys. Radium <u>23</u> p.291	205
Genshiryoku Kogyo <u>6</u> p.15	468	J. Phys. Soc. Japan <u>16</u> p.1380	480
Instn. Elect. Engrs. Proc. <u>106A</u> supp.2 p.95	198	Kakuyugo Kenkyu <u>1</u> p.568	343
IRE Trans. Nucl. Sci. <u>NS6</u> p.11	481	Kakuyugo Kenkyu <u>4</u> p.325	160
IRE Trans. Nucl. Sci. <u>NS7</u> p.19	122	Kakuyugo Kenkyu <u>4</u> p.520	432
IRE Trans. Nucl. Sci. <u>NS8</u> p.71	111	Kakuyugo Kenkyu <u>8</u> p.165	161
IRE Trans. Nucl. Sci. <u>NS8</u> p.77	403	Kakuyugo Kenkyu <u>8</u> p.275	162
J. Appl. Phys. <u>33</u> p.2030	293	Kakuyugo Kenkyu <u>10</u> p.1	163
J. Electron. Control <u>12</u> p.13	326	Nature <u>191</u> p. 995	431
J. Nucl. Energy (c) <u>1</u> p.40	283	Ned. Tijdschr. Natuurkunde <u>25</u> p.185	263
J. Nucl. Energy (c) <u>1</u> p.215	434	Nucl. Engng <u>3</u> p.259	440
J. Nucl. Energy (c) <u>1</u> p.236	358	Nucl. Fusion Supp. p.61	210
J. Nucl. Energy (c) <u>1</u> p.240	498	Nucl. Fusion Supp. p.75	220
J. Nucl. Energy (c) <u>1</u> p.247	414	Nucl. Fusion Supp. p.81	265
J. Nucl. Energy (c) <u>1</u> p.253	88	Nucl. Fusion Supp. p.87	359
J. Nucl. Energy (c) <u>2</u> p.1	252	Nucl. Fusion Supp. p.99	367
J. Nucl. Energy (c) <u>2</u> p.106	63	Nucl. Fusion Supp. p.135	286
J. Nucl. Energy (c) <u>2</u> p.146	272	Nucl. Fusion Supp. p.143	417
J. Nucl. Energy (c) <u>2</u> p.31	49	Nucl. Fusion Supp. p.151	186
J. Nucl. Energy (c) <u>4</u> p.79	50	Nucl. Fusion Supp. p.177	243
J. Nucl. Energy (c) <u>4</u> p.263	3	Nucl. Fusion Supp. p.215	64
J. Nucl. Energy (c) <u>4</u> p.311	156	Nucl. Fusion Supp. p.227	32
		Nucl. Fusion Supp. p.233	123
		Nucl. Fusion Supp. p.239	178
		Nucl. Fusion Supp. p.251	38

Nucl. Fusion Supp. p.265	204	Phys. Fluids <u>4</u> p.905	219
Nucl. Fusion Supp. p.279	459	Phys. Fluids <u>4</u> p.1039	58
Nucl. Fusion Supp. p.289	68	Phys. Fluids <u>4</u> p.1131	235
Nucl. Fusion Supp. p.299	121	Phys. Fluids <u>4</u> p.1393	159
Nucl. Fusion Supp. p.325	442	Phys. Fluids <u>4</u> p.1447	45
Nucl. Fusion Supp. p.341	486	Phys. Fluids <u>4</u> p.1558	429
Nucl. Fusion Supp. p.345	35	Phys. Fluids <u>5</u> p.432	284
Nucl. Fusion <u>1</u> p.131	317	Phys. Fluids <u>5</u> p.866	119
Nucl. Fusion <u>1</u> p.189	357	Phys. Fluids <u>5</u> p.1070	105
Nucl. Fusion <u>1</u> p.264	29	Phys. Fluids <u>5</u> p.1277	169
Nucl. Fusion <u>1</u> p.280	114	Phys. Fluids <u>5</u> p.1571	248
Nucl. Fusion <u>2</u> p.54	62	Phys. Fluids <u>6</u> p.116	192
Nucl. Instrum. Meth. <u>4</u> p.282	56	Phys. Fluids <u>6</u> p.133	191
Nucl. Instrum. Meth. <u>4</u> p.290	57	Phys. Fluids <u>6</u> p.431	489
Nucleonics <u>16</u> (5) p.122	462	Phys. Fluids <u>6</u> p.450	4
Nucleonics <u>20</u> (11) p.58	315	Phys. Fluids <u>6</u> p.596	489
Nuovo Cimento <u>8</u> p.740	355	Phys. Fluids <u>6</u> p.841	446
Nuovo Cimento <u>18</u> p.1157	174	Phys. Fluids <u>6</u> p.1500	271
Osterr. Ingen. Arch. <u>15</u> p.76	180	Phys. Rev. <u>114</u> p.937	190
Phys. Fluids <u>1</u> p.495	439	Phys. Rev. <u>114</u> p.1187	298
Phys. Fluids <u>2</u> p.336	439	Phys. Rev. <u>119</u> p.1187	428
Phys. Fluids <u>2</u> p.350	92	Phys. Rev. Lett. <u>1</u> p.333	250
Phys. Fluids <u>2</u> p.379	33	Phys. Rev. Lett. <u>2</u> p.34	222
Phys. Fluids <u>3</u> p.617	491	Phys. Rev. Lett. <u>2</u> p.281	215
Phys. Fluids <u>4</u> p.204	258	Phys. Rev. Lett. <u>3</u> p.313	467
Phys. Fluids <u>4</u> p.525	287	Phys. Rev. Lett. <u>3</u> p.425	457
Phys. Fluids <u>4</u> p.607	487	Phys. Rev. Lett. <u>4</u> p.166	386
Phys. Fluids <u>4</u> p.611	34	Phys. Rev. Lett. <u>4</u> p.222	211
Phys. Fluids <u>4</u> p.847	285	Phys. Rev. Lett. <u>5</u> p.141	185
Phys. Fluids <u>4</u> p.902	369	Phys. Rev. Lett. <u>5</u> p.459	90

Phys. Rev. Lett. <u>6</u> p.85	400	Sov. Phys.-Tech. Phys. <u>5</u> p.853	422
Phys. Rev. Lett. <u>6</u> p.1446	497	Sov. Phys.-Tech. Phys. <u>6</u> p.55	329
Phys. Rev. Lett. <u>6</u> p.589	30	Sov. Phys.-Tech. Phys. <u>6</u> p.176	463
Phys. Rev. Lett. <u>7</u> p.115	296	Sov. Phys.-Tech. Phys. <u>6</u> p.577	348
Phys. Rev. Lett. <u>8</u> p.305	346	Sov. Phys.-Tech. Phys. <u>7</u> p.421	256
Phys. Rev. Lett. <u>10</u> p.323	112	Sov. Phys.-Tech. Phys. <u>7</u> p.593	484
Priroda <u>48</u> p.13	349	Sov. Phys.-Tech. Phys. <u>8</u> p.347	328
Proc. Phys. Soc. <u>77</u> p.965	355	Sov. Phys.-Uspekhi. <u>4</u> p.323	199
Prog. Nucl. Energy XI <u>1</u> p.6	19	Uspekhi Fiz. Nauk <u>73</u> p.685	199
Prog. Nucl. Energy XI <u>1</u> p.196	31	Vide <u>17</u> p.195	140
Prog. Nucl. Energy XI <u>2</u> p.1	389	Zh. Eksp. Teor. Fiz. <u>37</u> p.27	313
Prog. Nucl. Energy XI <u>2</u> p.101	197	Zh. Eksp. Teor. Fiz. <u>39</u> p.1062	483
Prog. Nucl. Energy XI <u>2</u> p.120	306	Zh. Eksp. Teor. Fiz. <u>39</u> p.1602	244
Prog. Nucl. Energy XI <u>2</u> p.278	466	Zh. Eksp. Teor. Fiz. <u>40</u> p.40	247
Prog. Nucl. Energy XI <u>2</u> p.286	347	Zh. Eksp. Teor. Fiz. <u>40</u> p.328	255
Progr. Theoret. Phys. <u>20</u> p.737	425	Zh. Eksp. Teor. Fiz. <u>40</u> p.863	125
Rev. Sci. Instrum. <u>28</u> p.949	168	Zh. Eksp. Teor. Fiz. <u>40</u> p.1058	423
Rev. Sci. Instrum. <u>31</u> p.1147	23	Zh. Eksp. Teor. Fiz. <u>43</u> p.1547	21
Rev. Sci. Instrum. <u>32</u> p.1367	129	Zh. Tekh. Fiz. <u>30</u> p.256	443
Roy. Soc. Proc. <u>256</u> p.416	458	Zh. Tekh. Fiz. <u>30</u> p.907	422
Sov. J. At. En. <u>8</u> p.485	18	Zh. Tekh. Fiz. <u>31</u> p.78	329
Sov. J. At. En. <u>11</u> p.980	314	Zh. Tekh. Fiz. <u>31</u> p.577	348
Sov. Phys.-Dokl. <u>7</u> p.1018	201	Zh. Tekh. Fiz. <u>31</u> p.1026	312
Sov. Phys. JETP. <u>10</u> p.18	313	Zh. Tekh. Fiz. <u>32</u> p.248	463
Sov. Phys. JETP. <u>12</u> p.740	483	Zh. Tekh. Fiz. <u>32</u> p.579	256
Sov. Phys. JETP. <u>12</u> p.1117	244	Zh. Tekh. Fiz. <u>32</u> p.674	20
Sov. Phys. JETP. <u>13</u> p.27	247	Zh. Tekh. Fiz. <u>32</u> p.811	484
Sov. Phys. JETP. <u>13</u> p.223	255	Zh. Tekh. Fiz. <u>33</u> p.100	65
Sov. Phys. JETP. <u>13</u> p.605	125	Zh. Tekh. Fiz. <u>33</u> p.470	328
Sov. Phys. JETP. <u>13</u> p.746	423	Zh. Tekh. Fiz. <u>33</u> p.544	118
Sov. Phys.-Tech. Phys. <u>5</u> p.236	443	Zh. Tekh. Fiz. <u>33</u> p.686	504

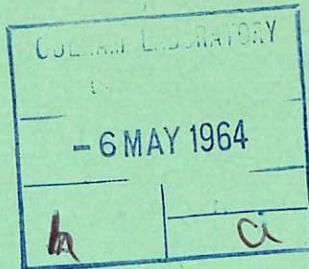


Available from
HER MAJESTY'S STATIONERY OFFICE
York House, Kingsway, London W.C. 2
423 Oxford Street, London W. 1
13a Castle Street, Edinburgh 2
109 St. Mary Street, Cardiff
39 King Street, Manchester 2
50 Fairfax Street, Bristol 1
35 Smallbrook, Ringway, Birmingham 5
80 Chichester Street, Belfast
or through any bookseller.

Printed in England

CLM - Bib 4
(Supplement to CLM - Bib 1
& AERE - Bib 121)

CULHAM LIBRARY
REFERENCE ONLY



United Kingdom Atomic Energy Authority

RESEARCH GROUP

Bibliography

OSCILLATING ELECTROMAGNETIC
FIELD INTERACTION WITH,
AND CONTAINMENT OF PLASMA

A Bibliography

compiled by

F. B. KNOX C. S. SABEL

Culham Laboratory,

Culham, Abingdon, Berkshire

1964

Available from H. M. Stationery Office

THREE SHILLINGS NET

© - UNITED KINGDOM ATOMIC ENERGY AUTHORITY - 1964
Enquiries about copyright and reproduction should be addressed to the
Librarian, Culham Laboratory, Culham, Abingdon, Berkshire, England.

U.D.C.
016 : 538.566
533.9.082.74