

# Laser Applications in Plasma Physics (1962-1968): (Bibliography, , ISSN 0074-1833 - 1969 - International Atomic Energy Agency, 1969 - International Atomic Energy Agency

Plasma Physics Bibliography. Monographs and Textbooks on Plasma Physics: H. Alfven, *Cosmical Electrodynamics*, Oxford, (1950). L.B. Loeb, *Fundamental Processes of Electrical Discharges in Gases*, Wiley, (1955). Phys. JETP 26, 233 (1968). Neoclassical diffusion in toroidal geometry banana regime. B. B. Kadomtsev and O. P. Pogutse, *Trapped particles in toroidal magnetic systems*, Nucl. Fusion 11, 67 (1971). M. N. Rosenbluth, R. D. Hazeltine, and F. L. Hinton, *Plasma transport in toroidal confinement systems*, Phys. Fluids 15, 116 (1972). Books and Articles for the General Audience: T. K. Fowler and R. F. Post, *Progress Toward Fusion Power*, Scientific American, December 1966, pp. 21-31. Joan L. Bromberg, *Fusion* MIT Press, 1982. The interactions of laser plasmas are considered theoretically in an introduction for advanced students and practicing scientists. Chapters are devoted to the basic concepts and two-fluid descriptions of plasmas, computer simulations of plasmas using particle codes, EM wave propagation in plasmas, propagation of obliquely incident light waves in inhomogeneous plasmas, collisional absorption of EM waves, and parametric excitation of electron and ion waves. The following notes are intended to provide a brief primer in plasma physics, introducing common definitions, basic properties and processes typically found in plasmas. *Physics of Plasmas (PoP)*, published by AIP Publishing in cooperation with the APS Division of Plasma Physics, is committed to the publication of original research in all areas of experimental and theoretical plasma physics. PoP publishes comprehensive and in-depth review manuscripts covering important areas of study and Special Topics highlighting new and cutting-edge developments in plasma physics. Every year a special issue publishes the invited and review papers from the most recent meeting of the APS Division of Plasma Physics. PoP covers a broad range of important research in this dynamic INTERNATIONAL ATOMIC ENERGY AGENCY, *Laser Applications in Plasma Physics (1962-1968)*, Bibliographical Series - IAEA No. 35, IAEA, Vienna (). Download to: EndNote BibTeX \*use BibTeX for Zotero. Close. Orders and requests for information may also be addressed to: Marketing and Sales Unit International Atomic Energy Agency Vienna International Centre PO Box 100, A-1400 Vienna, Austria.