

PHYSICS OF PLASMAS

CODEN: PHPAEN

ISSN: 1070-664X

pop.aip.org

Editor: Ronald C. Davidson

Resident Associate Editor: Stewart J. Zweben

Assistant Editor: Sandra L. Schmidt

Assistant to the Editor: Laura F. Wright

Editor Emeritus (1982–1989): Fred L. Ribe

Founding Editor (1958–1981): François N. Frenkiel

Associate Editors

Term ending 31 December 2009

R. W. Boswell (Australian National Univ., Canberra, Australia)

J. W. Connor (Culham Science Centre, Abingdon, UK)

S. P. Gary (Los Alamos National Laboratory, Los Alamos, NM)

M. Greenwald (MIT, Cambridge, MA)

W. P. Leemans (Lawrence Berkeley National Lab, Berkeley, CA)

R. V. E. Lovelace (Cornell University, Ithaca, NY)

A. L. Rogister (Institute für Plasmaphysik, Jülich, Germany)

D. D. Ryutov (Lawrence Livermore National Lab, Livermore, CA)

Term ending 31 December 2010

M. P. Desjarlais (Sandia National Labs, Albuquerque, NM)

J. L. Giuliani (U.S. Naval Research Lab, Washington, DC)

K. Itoh (National Institute for Fusion Science, Toki, Gifu, Japan)

R. L. Merlino (University of Iowa, Iowa City, IA)

W. M. Nevins (Lawrence Livermore National Lab, Livermore, CA)

D. L. Newman (University of Colorado, Boulder, CO)

Term ending 31 December 2011

J. F. Drake (University of Maryland, College Park, MD)

R. M. Gilgenbach (University of Michigan, Ann Arbor, MI)

M. E. Mauel (Columbia University, New York, NY)

R. L. McCrory (University of Rochester, Rochester, NY)

Information for Authors

Submissions: Submit manuscripts online at <http://pop.peerx-press.org>. Editorial Office: Ronald C. Davidson, Editor, *Physics of Plasmas*, Princeton Plasma Physics Laboratory, James Forrestal Campus, MS 20, Princeton, NJ 08543; Tel.: 609-243-2424; E-mail: physplas@pppl.gov. See the above URL or contact the Editorial Office for accepted formats and detailed submission information. Submission implies that the manuscript has not been published previously and is not currently submitted for publication elsewhere. For detailed Information for Contributors, visit <http://pop.aip.org/pop/submit.jsp>.

Publication Charge: To support the cost of wide dissemination of research results through publication of journal pages and production of a database of articles, the author's institution is requested to pay a *page charge* of \$55 per page (with a one-page minimum) and an *article charge* of \$20 per article. For Errata the minimum page charge is \$55, with no article charge. For any regular, published article that exceeds 11 journal pages, a mandatory \$150 page charge will be added for each page in excess of 11 pages.

Open Access: Through participation in *Author Select*[®] and payment of an \$1800 fee, authors may choose open access publication for their accepted papers. See information during manuscript submission at <http://pop.peerx-press.org>.

Free Color Online: If authors supply usable color graphics files in time for the production process, color will appear in the online journal free of charge. Authors or their institutions must bear the cost of any color they wish to use in print. As of 1 January 2009, a fixed rate of \$325 for each color figure applies for color in print. For multipart figures, a single charge will apply only if all parts are submitted as a single piece of artwork.

Reprints: Order reprints with or without covers only in multiples of 50 from AIP, Circulation & Fulfillment/Reprints, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-349-9704; Tel.: 1-800-344-6909 (U.S. & Canada), or 516-576-2270.

Supplemental Material may be deposited with AIP's Electronic Physics Auxiliary Publication Service (EPAPS), an online depository. Authors may submit multimedia, data tables, text, etc. Address requests to the Editor; for additional information, see <http://www.aip.org/pubservs/epaps.html>.

Online Status Inquiry: During the production process, authors may access information about their accepted manuscripts at <http://www.aip.org/msinq/status.html>.

Physics of Plasmas, published by the American Institute of Physics (AIP) with the cooperation of The American Physical Society Division of Plasma Physics, is devoted to original experimental and theoretical contributions to the physics of plasmas, including equilibria, linear waves, and instabilities; nonlinear behavior, including turbulent and stochastic phenomena and associated transport, and solitons and shock waves; plasma physics of lasers and particle beams and charged-particle acceleration and transport; radiation generation, transport, propagation, and interaction with plasmas; low-temperature plasmas, including sources; plasma chemistry and processing; geophysical, planetary, solar and astrophysical plasmas; plasma confinement by magnetic fields; inertial confinement physics; the physics of high energy density plasmas or matter under extreme conditions; and dusty plasmas. Content is published online daily, collected into a monthly online and printed issue (12 issues per year).

Comments: Direct comments on the journal or editorial process to Doreene Berger, Editorial Operations, AIP, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2444; Fax: 516-576-2450; E-mail: dberger@aip.org.

2009 Subscription Prices

Institutions: For information, visit <http://librarians.aip.org>. Institutional rates for *Phys. Plasmas* alone and in combination with *Phys. Fluids* may be found online at <http://pop.aip.org/pop/subpricing.jsp>, or contact AIP Customer Services at subs@aip.org [Tel.: 800-344-6902 (U.S. & Canada) or 516-576-2270; Fax: 516-349-9704].

Members: For information, visit <http://pop.aip.org/pop/subpricing.jsp> or contact AIP Customer Services at subs@aip.org [Tel.: 800-344-6902 (U.S. & Canada) or 516-576-2270; Fax: 516-349-9704].

Additional Availability

Online Access: *Physics of Plasmas* is available online at <http://pop.aip.org>.

Microform: *Physics of Plasmas* is available on microfiche issued at the same frequency as the printed journal, and annually on microfilm. Direct requests to AIP, Circulation & Fulfillment/Single Copy Sales, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-349-9704; Tel.: 1-800-344-6902 (U.S. & Canada) or 516-576-2270.

Document Delivery: Copies of journal articles can be ordered for online delivery from DocumentStore, AIP's online document delivery service (<http://www.documentstore.org>).

Customer Service

Subscription Orders & Renewals should be addressed to American Institute of Physics, P.O. Box 503284, St. Louis, MO 63150-3284. Tel.: 1-800-344-6902 (U.S. & Canada) or 516-576-2270; Fax: 516-349-9704; E-mail: subs@aip.org. Allow at least six weeks advance notice.

Inquiries, Address Changes, Claims, Single Copy Replacements, and Back Volumes: For address changes, please send both old and new addresses and, if possible, include the mailing label from a recent issue. Missing issue requests will be honored only if received within six months of publication date (nine months for Australia & Asia). Please forward your missing issue claim requests to claims@aip.org. Single copies of a journal may be ordered and back volumes are available in print, microfiche, or microfilm. Contact AIP Customer Services at 1-800-344-6902 (U.S. & Canada) or 516-576-2270; Fax: 516-349-9704; E-mail: subs@aip.org.

Reprint Billing: Contact AIP Publication Charge & Reprints/CFD, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 1-800-344-6909 (U.S. & Canada) or 516-576-2270; E-mail: pcr@aip.org.

Rights and Permissions

Copying: Single copies of individual articles may be made for private use or research. Authorization is given to copy articles beyond the free use permitted under Sections 107 and 108 of the U.S. Copyright Law, provided that the copying fee of \$25.00 per copy per article is paid to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA, <http://www.copyright.com>. For classroom use fees, contact CCC's Academic Permission Service. (Note: The ISSN for this journal is 1070-664X.)

Authorization does not extend to systematic or multiple reproduction, to copying for promotional purposes, to electronic storage or distribution, or to republication in any form. In all such cases, specific written permission from AIP must be obtained. Note: Copies of individual articles may also be purchased online via AIP's DocumentStore service (<http://www.documentstore.org>).

Other Use: See journal home page for author's web posting guidelines. Permission is granted to quote from the journal with customary acknowledgment of the source. Republication of an article or portions thereof requires formal permission from AIP and may be subject to fees. Permission may be obtained online using Rightslink. Simply click on the Rightslink icon found in the article abstracts. You may also address requests to: AIP Office of Rights and Permissions, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-576-2450; Tel.: 516-576-2268; E-mail: rights@aip.org.

Digital Object Identifier (DOI): Each archival article published is assigned a unique DOI that serves to identify the article in a digital environment. In print, the DOI appears at the end of each abstract.

Physics of Plasmas (ISSN: 1070-664X) is published monthly by the American Institute of Physics. The 2009 print + online base price is US\$3070. POSTMASTER: Send address changes to *Physics of Plasmas*, AIP, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502. Periodicals postage rate paid at Huntington Station, NY 11746, and additional mailing offices.

Printed on Frabrite 35# paper (pH>7.0) and AIP Cote 38# paper (pH 6–8).

Copyright © 2009 American Institute of Physics. All rights reserved.