

REVIEWS OF MODERN PHYSICS

A quarterly journal seeking to enhance communication among physicists by publishing comprehensive scholarly reviews of physics topics, as well as colloquia and tutorial articles in rapidly developing fields of physics.

Editor: ACHIM RICHTER, European Centre for Theoretical Studies in Nuclear Physics and Related Areas, Trento, and Technische Universität Darmstadt (Emeritus)

Colloquia

Editor: A. H. CASTRO NETO, Boston University

Associate Editor: DIETRICH BELITZ, University of Oregon

Editors: *Condensed Matter Physics (Theoretical)*

J. IGNACIO CIRAC, Max-Planck-Institut für Quantenoptik
Quantum Information

ARTHUR F. HEBARD, University of Florida
Condensed Matter Physics (Experimental)

RANDALL D. KAMIEN, University of Pennsylvania
Soft Condensed Matter

DANIEL KLEPPNER, Massachusetts Institute of Technology
Atomic, Molecular, and Optical Physics (Experimental)

PAUL G. LANGACKER, Institute for Advanced Study, Princeton University
Particle Physics (Theoretical)

VERA LÜTH, Stanford University
Particle Physics (Experimental)

DAVID D. MEYERHOFER, University of Rochester
Physics of Plasmas and Matter at High Energy Density

WITOLD NAZAREWICZ, University of Tennessee, Oak Ridge National Laboratory
Nuclear Physics

THOMAS POWERS, Brown University
Biological Physics

JOHN H. SCHWARZ, California Institute of Technology
Mathematical Physics

DAVID J. STEVENSON, California Institute of Technology
Earth and Planetary Physics

FRIEDRICH-KARL THIELEMANN, Universität Basel
Astrophysics

Senior

Assistant

Editor: DEBBIE BRODBAR, APS Editorial Office

American Physical Society

Officers

<i>President</i>	CHERRY A. MURRAY
<i>President-Elect</i>	CURTIS G. CALLAN
<i>Vice-President</i>	BARRY C. BARISH
<i>Editor in Chief</i>	GENE D. SPROUSE
<i>Treasurer and Publisher</i>	JOSEPH W. SERENE
<i>Executive Officer</i>	JUDY R. FRANZ

One Physics Ellipse
College Park, MD 20740-3844

APS Editorial Office

Directors

<i>Editorial</i>	DANIEL T. KULP
<i>Journal Information Systems</i>	ROBERT A. KELLY
<i>Journal Operations</i>	CHRISTINE M. GIACCONE

1 Research Road
Ridge, NY 11961-2701
Phone: (631) 591-4000 Fax: (631) 591-4141
Email: rmp@aps.org
Web: <http://publish.aps.org/>
Submissions: rmptex@aps.org or
<http://authors.aps.org/ESUB/>

Member Subscriptions:

APS Membership Department

One Physics Ellipse
College Park, MD 20740-3844
Phone: (301) 209-3280 Fax: (301) 209-0867
Email: membership@aps.org

Institutional Subscriptions:

APS Subscription Services

Suite 1N01
2 Huntington Quadrangle
Melville, NY 11747-4502
Toll free: (800) 344-6902
Phone: (516) 576-2270 Fax: (516) 349-9704
Email: subs@aps.org

Copyright © 2009 by The American Physical Society. All rights reserved.
Reviews of Modern Physics™ is a trademark of The American Physical Society.

Rights and Permissions: See <http://forms.aps.org/author/copyfaq.html>.

Copying: No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the written permission of the publisher, except as stated below. Single copies of individual articles may be made for private use or research. Authorization is given to copy articles beyond the use permitted by Sections 107 and 108 of the U.S. Copyright Law, provided the copying fee of \$35.00 per copy per article is paid to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA.

Reproduction of an entire Article in a reprint collection, or for advertising or promotional purposes, or republication in any form requires permission from APS. Permission must be sought from the Associate Publisher, The American Physical Society, One Physics Ellipse, College Park, MD 20740-3844; email: assocpub@aps.org.

Other Use: Permission is granted to quote from the journal with the customary acknowledgment of the source. Permission must be sought from the APS Associate Publisher to reproduce a figure, table, or excerpt of an Article. Authorization for private use or research does not extend to systematic or multiple reproduction, to copying for promotional purposes, to distribution in any format, or to republication in any form. In all such cases, specific permission from APS must be obtained.

Reviews of Modern Physics [ISSN: 0034-6861 (print), 1539-0756 (online); CODEN RMPHAT; printed in USA] is published quarterly by The American Physical Society, 1 Research Road, Ridge, NY 11961-2701.

POSTMASTER: Send address changes to *Reviews of Modern Physics*, APS Subscription Services, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502. The 2009 print + online base price is \$505. Periodicals postage rates are paid at Huntington Station, NY, and additional mailing offices.