

PHYSICAL REVIEW A_{TM}

ATOMIC, MOLECULAR, AND OPTICAL PHYSICS

EDITORIAL BOARD

Term ending 31 December 2014

F. CHEVY	Ultracold Atoms
T. F. GALLAGHER	Atomic and Molecular Interactions
N. LÜTKENHAUS	Quantum Information
C. W. MCCURDY	Atomic and Molecular Continuum Processes
M. PATERNOSTRO	Quantum Information Processing, Quantum Optics and Mathematical Physics
J. H. SHAPIRO	Quantum Optics
A. S. SØRENSEN	Quantum Optics
D. S. WIERSMA	Photonic Systems, Disorder, Quantum Optics

Term ending 31 December 2015

D. BLUME	Theory of Quantum Gases
M. I. EIDES	Quantum Field Theory and Fundamental Interactions
M. GAARDE	Atoms in Strong Fields, Theory
D. H. JAKSCH	Cold Atoms, Quantum Information
R. MOSHAMMER	Atomic and Molecular Interactions
W. J. MUNRO	Quantum Information Processing, Quantum Optics
M. SAFRONOVA	Atomic Theory and Structure

Term ending 31 December 2016

G. ALBER	Quantum Optics and Quantum Information
E. ANDERSSON	Quantum Information, Quantum Optics
J. A. BERGOU	Quantum Information, Quantum Optics
J. L. BOHN	Cold Atoms
S. A. GARDINER	Quantum Optics, Quantum Chaos
U. D. JENTSCHURA	Atomic Theory and Fundamental Physics
V. KENDON	Quantum Information Processing and Computational Physics
M. S. KIM	Quantum Optics and Quantum Information
Z. KIS	Coherent Processes in Atomic Media
A. F. KOENDERINK	Nano-optics, Photonic Systems, Quantum Optics
M. LEIN	Atoms and Molecules in Strong Fields
K. PACHUCKI	Theoretical Physics
D. PELINOVSKY	Nonlinear Optics and Soliton Theory
N. N. ROSANOV	Nonlinear Optics and Soliton Theory
M. ZUKOWSKI	Quantum Optics, Quantum Information, Fundamental Concepts

Editor

GORDON W. F. DRAKE
(University of Windsor)

Managing Editor

MARGARET MALLOY
(APS Editorial Office)

Associate Editors

DIRK JAN BUKMAN
(APS Editorial Office)
LEE A. COLLINS
(Los Alamos National Laboratory)

FRANCO DALFOVO

(Università di Trento)

MARK HILLERY

(Hunter College)

KEITH B. MACADAM

(University of Kentucky)

FRANK NARDUCCI

(Naval Air Systems Command)

THOMAS PATTARD

(APS Editorial Office)

MARK SAFFMAN

(University of Wisconsin)

BARRY C. SANDERS

(University of Calgary)

Senior Assistant Editors

MARGARET FOSTER

JILL M. GARGANO

Assistant Editors

JIHANE MIMIH

HERNAN D. ROZENFELD

Senior Editorial Assistant

TERRE ARENA

American Physical Society

Officers

<i>President</i>	MALCOLM R. BEASLEY
<i>President-Elect</i>	SAMUEL H. ARONSON
<i>Vice-President</i>	HOMER A. NEAL
<i>Past President</i>	MICHAEL S. TURNER
<i>Editor in Chief</i>	GENE D. SPROUSE
<i>Treasurer and Publisher</i>	JOSEPH W. SERENE
<i>Executive Officer</i>	KATE P. KIRBY

One Physics Ellipse
College Park, MD 20740-3844

APS Editorial Office

Directors

<i>Editorial</i>	DANIEL T. KULP
<i>Journal Information Systems</i>	MARK D. DOYLE
<i>Journal Operations</i>	CHRISTINE M. GIACCONE

1 Research Road
Ridge, NY 11961-2701

Phone: (631) 591-4010

Email: pra@aps.org

Web: <http://publish.aps.org/>

Submissions: <http://authors.aps.org/Submissions/>

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

P.O. Box 41

Annapolis Junction, MD 20701

Toll free: (888) 339-9655

Phone: (301) 617-7809 Fax: (240) 757-4289

Email: subs@aps.org

Manuscripts should be submitted electronically in acceptable format (see <http://authors.aps.org/Submissions/>). Submission is a representation that the manuscript has not been published previously and is not currently under consideration for publication elsewhere. Authors should provide indexing codes according to the PACS scheme (available at <http://publish.aps.org/PACS/>). An executed APS **copyright-transfer** form must be provided (effective only on acceptance for publication). Information for contributors may be found on our Web server.

To help defray editorial and production expenses, authors of manuscripts which are not submitted in acceptable electronic format are expected to pay a **publication charge** of \$1405/article, \$875/Rapid Communication or Brief Report, \$320/Comment or Reply. Acceptable formats are REV_TE_X (preferred), L_TE_X, plain T_EX; MS Word; PostScript figures (preferred). **Reprints** are offered for sale to authors.

For information about **subscription prices** and about the **online version** of the journal, see our Web server, or inquire at assocpub@aps.org. **Member** inquiries regarding **subscriptions**, renewals, address changes, missing or damaged copies, and single-copy orders should be addressed to the APS Membership Department. **Institutional subscribers** should address subscription inquiries to APS Subscription Services. For address changes please send both old and new addresses, and if possible, send the mailing label from a recent issue.

Copyright © 2014 American Physical Society. All rights reserved.

*Physical Review A*_{TM} is a trademark of the American Physical Society.

Rights and Permissions: See <http://publish.aps.org/copyrightFAQ.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 \$25.00 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, 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.

*Physical Review A*_{TM} [ISSN: 1050-2947 (print), 1094-1622 (online); CODEN PLRAAN; printed in USA] is published monthly by the American Physical Society, 1 Research Road, Ridge, NY 11961-2701.

POSTMASTER: Send address changes to *Physical Review A*_{TM}, APS Subscription Services, P.O. Box 41, Annapolis Junction, MD 20701. The 2014 print + online base price is \$3455. Periodicals postage rates are paid at College Park, MD, and additional mailing offices.