# PHYSICAL REVIEW C NUCLEAR PHYSICS

*Editor* Benjamin F. Gibson

SIMON C. CAPSTICK JOSEPH I. KAPUSTA Associate Editors RICHARD F. CASTEN W. GARY LOVE CHRISTOPHER WESSELBORG

> Assistant Editor Jonathan T. Lenaghan

## EDITORIAL BOARD

Term ending 31 December 2007 ELIZABETH J. BEISE RICHARD J. FURNSTAHL MUHSIN N. HARAKEH EULOGIO OSET HENDRIK SCHATZ

The American Physical Society One Physics Ellipse College Park, MD 20740-3844

President	LEO P. KADANOFF
President-Elect	ARTHUR BIENENSTOCK
Vice-President	CHERRY A. MURRAY
Editor-in-Chief	GENE D. SPROUSE
Treasurer	
and Publisher	JOSEPH W. SERENE
Executive Officer	JUDY R. FRANZ

#### APS Editorial Office 1 Research Road

Ridge, NY 11961-2701 Phone: (631) 591-4030 Fax: (631) 591-4141 Email: prc@aps.org Web: http://publish.aps.org/ Submissions: prctex@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 1NO1 2 Huntington Quadrangle Melville, NY 11747-4502 Phone: (516) 576-2270, (800) 344-6902 Fax: (516) 349-9704 Email: subs@aps.org Term ending 31 December 2008 JACEK DOBACZEWSKI ANTÓNIO C. FONSECA C. J. (KIM) LISTER MAKOTO OKA Term ending 31 December 2009 DANIEL BAYE THOMAS GLASMACHER JOHANNA STACHEL XIN-NIAN WANG JOHN F. WILKERSON

**BRADLEY W. FILIPPONE** 

**D. JOHN MILLENER** 

**Manuscripts** should be **submitted** electronically in acceptable format (see http://authors.aps.org/ ESUB/ or inquire at pretex@aps.org). If this is not possible, send one copy to the Editorial Office. 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); the form is available via our Web submission server and via http://authors. aps.org/. Information for contributors may be found on our Web server or in the January and July issues.

To help defray editorial and production expenses, authors of articles which are not submitted in acceptable electronic format are expected to pay a **publication charge** of \$125 plus \$125 per journal page. Acceptable formats are REVT<sub>E</sub>X (preferred), LAT<sub>E</sub>X, plain T<sub>E</sub>X; MS Word; PostScript figures. **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 © 2007 by The American Physical Society. All rights reserved.** *Physical Review C*<sup>TM</sup> 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 \$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, 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.

Physical Review C [ISSN: 0556-2813 (print), 1089-490X (online); CODEN PRVCAN; 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 C, APS Subscription Services, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502. The 2007 print + online base price is \$1080. Periodicals postage rates are paid at Huntington Station, NY, and additional mailing offices.