

PHYSICAL REVIEW C

covering nuclear physics

Lead Editor

JOSEPH I. KAPUSTA

Managing Editor

CHRISTOPHER WESSELBORG

Associate Editors

RICHARD F. CASTEN
ALEXANDRA GADE
CALVIN W. JOHNSON
RICHARD MILNER
RAMONA VOGT

MARIA COLONNA
CHARLES GALE
GABRIEL MARTÍNEZ-PINEDO
BRADLEY RUBIN

BRADLEY W. FILIPPONE
WILLIAM R. GIBBS
D. JOHN MILLENER
ROB G.E. TIMMERMANS

Assistant Editor

LIN ZHANG

EDITORIAL BOARD

Term ending 31 December 2023

JENS DILLING
JOHANN HAIDENBAUER
SATOSHI N. NAKAMURA
THOMAS PAPENBROCK
AURORA TUMINO

Term ending 31 December 2024

STEPHANE GORIELY
KOUICHI HAGINO
ROY A. LACEY
SCOTT PRATT
INGO WIEDENHÖVER

Term ending 31 December 2025

DAVID J. DEAN
ALESSANDRA FANTONI
SUSAN GARDNER
OR HEN
ADAM MAJ

American Physical Society

President ROBERT ROSNER
Speaker of the Council ROBERT MCKEOWN
Chief Executive Officer JONATHAN A. BAGGER
Editor in Chief RANDALL KAMIEN
Chief Publications Officer RACHEL BURLEY
Director of Publishing JEFF LEWANDOWSKI
Chief Information Officer MARK D. DOYLE
Chief Finance and Operations Officer JANE HOPKINS GOULD
Chief Government Affairs FRANCIS SLAKEY
Chief Human Resources Officer BETH GUNZEL

One Physics Ellipse
College Park, MD 20740-3844

APS Editorial Office

Executive Editor JESSICA THOMAS
Director, Journal Operations CHRISTINE M. GIACCONE
100 Motor Parkway, Suite 110
Hauppauge, NY 11788
Email: prc@aps.org
Web: <https://journals.aps.org/>
Submissions: <https://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 Email: subs@aps.org

Manuscripts should be **submitted** electronically in acceptable format (see <https://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. An executed APS **copyright-transfer** form must be provided (effective only on acceptance for publication) unless open access publication is required and the appropriate OA fees paid. Information for Contributors and a description of editorial Policies and Practices can be found at <https://journals.aps.org/prc/authors>.

For additional information regarding the online version of this journal, please visit: <https://journals.aps.org/prc>. Institutional subscribers requesting address changes, filing claims, or requesting additional information, please contact the APS Services at subs@aps.org. Member subscribers requiring changes, claims or additional information should contact the APS Membership Department at membership@aps.org.

Copyright © 2023 American Physical Society. All rights reserved.

Physical Review C[™] is a trademark of the American Physical Society, registered in the United States, Canada, European Union and Japan.

Rights and Permissions: <https://journals.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 via Aptara's SciPris[™] platform. To request permission to republish, refer to the Reuse and Permissions link that can be found (online) on each APS article page and provide the requested information.

Other Use: Permission is granted to quote from the journal with the customary acknowledgment of the source. Permission must be sought using Aptara's SciPris[™] platform. To request permission to reproduce a figure, table, or excerpt of an article refer to the Reuse and Permissions link that can be found on each APS article page and provide the requested information. 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: 2469-9985 (print), 2469-9993 (online); CODEN PRVCAN; printed in USA] is published monthly by the American Physical Society, 100 Motor Parkway, Suite 110, Hauppauge, NY 11788.