

PHYSICAL REVIEW C

NUCLEAR PHYSICS

Editor

SAM M. AUSTIN

Associate Editors

GERARD J. DREISS BENJAMIN F. GIBSON

Editorial Board

Term ending 31 December 1989

DONALD F. GEESAMAN
JUNE L. MATTHEWS
ERNEST ROST

Term ending 31 December 1990

JEAN-PAUL BLAIZOT
RICHARD F. CASTEN
W. HAEBERLI
F. IACHELLO

Term ending 31 December 1991

DOUGLAS CLINE
MIKLOS GYULASSY
STEPHEN J. WALLACE
GLENN R. YOUNG

Published through the
American Institute of Physics
by

The American Physical Society

President

JAMES A. KRUMHANS

President-Elect

EUGEN MERZBACHER

Vice-President

NICOLAAS BLOEMBERGEN

Executive Secretary

W. W. HAVENS, JR.

Treasurer

HARRY LUSTIG

Editor-in-Chief

DAVID LAZARUS

Deputy Editor-in-Chief

P. D. ADAMS

Editorial Office:

1 Research Road
Box 1000
Ridge, NY 11961
Telephone: (516) 924-5533
Telex: 971599
Cable Address: PHYSREV RIDGENY
FAX: (516) 924-5294
BITNET Address: *prc@APSEDOFF

*Not for transmission of manuscripts

Production and distribution by

American Institute of Physics
500 Sunnyside Blvd.
Woodbury, NY 11797
Telephone: (516) 349-7800

Manuscripts for publication should be submitted to the Editorial Office in triplicate. Information for contributors may be found in the January and July issues. Submission is a representation that the manuscript has not been published previously and is not currently under consideration for publication elsewhere. The manuscript should be accompanied by a statement transferring copyright to APS. A transfer form may be found in the 29 May 1989 issue of *Physical Review Letters*.

To support wide dissemination of research results through publication of journal pages, the authors' institutions are requested to pay a publication charge of \$40 per page plus a \$50 abstract charge. Reprints are offered for sale to authors at the current price.

Address all correspondence regarding manuscripts to the Editorial Office. Address correspondence regarding proofs and reprints to the American Institute of Physics.

Subscription prices (table below) for American Physical Society members are for the fiscal year July 1, 1989–June 30, 1990. **Member subscriptions are for personal use only.** Nonmember subscription prices are for the period of January–December 1989. Back-number price: Single copies, \$50.

		U.S.A. & Poss.	Can., Mex., Cntrl. & S. Amer., & Carib.	Europe, Asia, Africa, & Oceania		
	No. issues			Surface Mail	Air Freight	Optional Air Freight
Physical Review C						
Members	12	\$ 60	\$ 85	\$85	—	\$105
Nonmembers	12	\$ 475	\$ 500	—	\$ 520	—
Phys. Rev. A,B,C,D						
Nonmembers	96	\$3435	\$3645	—	\$3835	—

Microfilm subscriptions to *Physical Review A–D* are available on 16- and 35-mm film. Send orders and inquiries to: Dept. N/M, American Institute of Physics.

The Annual Index of *Physical Review* and *Physical Review Letters* may be ordered by members for \$20, and by nonmembers for \$50. Back issues are available for \$50. The 1981–1985 Cumulative Author Index costs \$40 for members, \$120 for nonmembers. There are mail surcharges for non-U.S. destinations.

Subscriptions, renewals, address changes, and single-copy orders should be addressed to: APS Membership Information Systems, The American Physical Society, 500 Sunnyside Blvd., Woodbury, NY 11797. Allow at least six-weeks advance notice. For address changes please send both old and new addresses, and, if possible, include an address stencil imprint from the mailing wrapper of a recent issue. A change-of-address form is included in every issue of *Physics Today*.

Copyright 1989 by The American Physical Society

Permission is granted to quote from this journal with the customary acknowledgment of the source. To reprint a figure, table, or other excerpt requires, in addition, the consent of one of the original authors and notification of APS. **No copying fee** is required when copies of articles are made for educational or research purposes by individuals or libraries (including those at government and industrial institutions). **Republication** or reproduction for sale of articles or abstracts in this journal is permitted only under license from APS; in addition, APS may require that permission also be obtained from one of the authors. Address inquiries to the Executive Secretary, The American Physical Society, 335 East 45th Street, New York, NY 10017.

Physical Review C is published once a month. Second-class postage paid at Woodbury, NY, and additional mailing offices.

ISSN: 0556-2813

CODEN: PRVCAN