PHYSICAL REVIEW D

PARTICLES AND FIELDS

Editor
D. L. NORDSTROM

Associate Editors
SALLY DAWSON ROBERT D. PISARSKI

Senior Assistant to the Editor
MICHAEL MCGUIGAN

Assistant to the Editor
JOHN RIPKA

EDITORIAL BOARD

Term ending 31 December 1996
MICHAEL S. CHANOWITZ
ANDREW G. COHEN
GARY HOROWITZ
MARK SREDNICKI

Term ending 31 December 1997
RICCARDO BARBIERI
ERIC BRAATEN
LANCE DIXON
MARC HENNEAUX

Term ending 31 December 1998
BENJAMÍN GRINSTEIN
THEODORE A. JACOBSON
SHELDON STONE
RAYMOND S. WILLEY

Published through the
American Institute of Physics
by
The American Physical Society

President
J. ROBERT SCHRIEFFER

President-Elect
D. ALLAN BROMLEY

Vice-President
ANDREW M. SESSLER

Executive Officer
JUDY R. FRANZ

Treasurer
HARRY LUSTIG

Editor-in-Chief
BENJAMIN BEDERSON

Editorial Office:

1 Research Road
Box 1000
Ridge, NY 11961
Telephone: (516) 591-4000
FAX:* (516) 591-4141
INTERNET:* prd@aps.org
***Not for transmission of manuscripts**

For electronic submission of manuscripts use prdtex@aps.org

Production and distribution by

American Institute of Physics
500 Sunnyside Blvd.
Woodbury, NY 11797
Telephone: (516) 576-2200
FAX: (516) 349-1802

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. A signed APS **copyright-transfer** form (to take effect upon publication) must be provided, and should be included with the submission. The copyright-transfer form appears at the end of the 30 October 1995 issue of *Physical Review Letters* and is available from the Editorial Office (or via ftp to aps.org).

To support wide dissemination of research results through publication, the authors' institutions are requested to pay a publication charge of $65 per page plus a $65 abstract charge. For properly prepared electronic submissions (REVTeX or LaTeX format), no payment of charges is requested. Reprints are offered for sale to authors.

Subscription prices (table below) for **nonmembers subscribers** are for the period January–December 1996. Back-number price: Single copies, $90.

	No. Issues	U.S.A. & Poss.	Can., Mex., Cntrl. & S. Amer., & Carib.	Europe, Asia, Africa, & Oceania: Surface Mail	Europe, Asia, Africa, & Oceania: Air Freight
Physical Review D					
Nonmembers	24	$1900	$1965	–	$2090
Physical Review A, B, C, D, E, Index					
Nonmembers	108	$8000	$8395	–	$9170

Inquiries regarding subscriptions, renewals, address changes, missing or damaged copies, microfilm, and single-copy orders should be addressed as follows:

Members: APS Membership Department, One Physics Ellipse, College Park, MD 20740-3844 [phone: (301) 209-3280; FAX: (301) 209-0867; e-mail: membership@aps.org].

Nonmembers: Circulation and Fulfillment Division, American Institute of Physics, 500 Sunnyside Blvd., Woodbury, NY 11797 [phone: (516) 576-2270, (800) 344-6902; FAX: (516) 349-9704; e-mail: subs@aip.org]. 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*.

The Annual Index of *Physical Review* and *Physical Review Letters* may be ordered by nonmembers for $100. Back issues are available for $100. There are mail surcharges for non-U.S. destinations.

Copyright 1996 by The American Physical Society

Permission to quote excerpts or to reprint any figures or tables should be obtained directly from an author. The American Physical Society for its part hereby grants permission to quote excerpts and reprint up to 25 figures and/or tables from its journals with acknowledgment of the sources. Requests for permission to reprint in one publication more than 25 figures and/or tables from the totality of APS journals must be made in writing to the Associate Publisher (see address below). A $10.00 fee per figure and/or table in excess of 25 will be charged.

Individual teachers, students, researchers, and libraries in nonprofit institutions acting for them are permitted to make hard copies of articles for use in teaching or research, provided such copies are not sold.

Copying of articles for sale by document delivery services or suppliers, or beyond the free copying allowed above, is permitted against payment of a copying fee. The current copying fee is $10.00, per article, per copy. Express permission of APS is not required, except for purposes stated below, provided that the fee is paid through the Copyright Clearance Center, Inc. (CCC), 222 Rosewood Drive, Danvers, MA 01923. Contact the CCC for information on how to report copying and remit payments.

Reproduction in a reprint collection, or for advertising or promotional purposes, or republication in any form requires permission of one of the authors and a license from APS. Such a license must be sought from María Lebrón, Associate Publisher, The American Physical Society, One Physics Ellipse, College Park, MD 20740-3844. Permission from the author must be sought and obtained from him or her directly.

ISSN: 0556-2821
PRINTED IN USA

Physical Review D is published twice a month (on the 1st and the 15th of each month).
Second-class postage paid at Woodbury, NY, and additional mailing offices.

CODEN: PRVDAQ