

PHYSICAL REVIEW A

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1050-2947)

PERIODICALS

Postmaster send address changes to:
American Institute of Physics
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 60, NUMBER 1

CONTENTS

JULY 1999

Announcement	iii
Guidelines for PRA Section Selection	iv
Physical Review A Editorial Policies and Practices	vii
Physical Review A Information for Contributors	xi
Guidelines for Estimating Length	xiv

RAPID COMMUNICATIONS

Fundamental concepts

Unbroken supersymmetry in the Aharonov-Casher effect	R1
S. Bruce, L. Roa, C. Saavedra, and A. B. Klimov	
Consistent quantum counterfactuals	R5
Robert B. Griffiths	

Atomic and molecular collisions and interactions

Scaling limit of weakly bound triatomic states	R9
T. Frederico, Lauro Tomio, A. Delfino, and A. E. A. Amorim	
Benchmark single-differential ionization cross section results for the s-wave model of electron-hydrogen scattering	R13
M. Baertschy, T. N. Rescigno, W. A. Isaacs, and C. W. McCurdy	
One-step double autoionization into the double-photoionization continuum	R17
R. Wehlitz, M.-T. Huang, K. A. Berrington, S. Nakazaki, and Y. Azuma	
Intermediate-energy electron-impact ionization of molecules	R21
A. L. Monzani, L. E. Machado, M.-T. Lee, and A. M. Machado	

Atomic and molecular processes in external fields

Multiple ionization of N_2 in intense, linearly and circularly polarized light fields	R25
S. Banerjee, G. Ravindra Kumar, and D. Mathur	
Quantum-diffractive background gas collisions in atom-trap heating and loss	R29
S. Bali, K. M. O'Hara, M. E. Gehm, S. R. Granade, and J. E. Thomas	

Quantum optics, physics of lasers, nonlinear optics

Transparency near a photonic band edge	R33
E. Paspalakis, N. J. Kylstra, and P. L. Knight	

