

PHYSICAL REVIEW A

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

SECOND CLASS
Postmaster send address changes to:
American Institute of Physics
500 Sunnyside Boulevard
Woodbury, NY 11797-2999

THIRD SERIES, VOLUME 53, NUMBER 6

CONTENTS

JUNE 1996

RAPID COMMUNICATIONS

Additional motional-magnetic-field considerations for electric-dipole-moment experiments	R3705
S. K. Lamoreaux	
Compton-scattering contribution to the double ionization of He in the A^2 approximation	R3709
M. A. Kornberg and J. E. Miraglia	
Singlet s-wave scattering lengths of ^6Li and ^7Li	R3713
E. R. I. Abraham, W. I. McAlexander, J. M. Gerton, R. G. Hulet, R. Côté, and A. Dalgarno	
Direct observation of the double Auger decay of a K hole	R3716
M. M. Hindi, Lin Zhu, Recep Avci, P. M. Miočinović, R. L. Kozub, and G. J. Lapeyre	
Compton double-to-single ionization ratio of helium at 57 keV	R3720
R. Wehlitz, R. Hentges, G. Prümper, A. Farhat, T. Buslaps, N. Berrah, J. C. Levin, I. A. Sellin, and U. Becker	
Static-electric-field effects on high harmonic generation	R3723
Min-Qi Bao and Anthony F. Starace	
Atom trapping in nondissipative optical lattices	R3727
B. P. Anderson, T. L. Gustavson, and M. A. Kasevich	
Polarization dynamics in a vertical-cavity laser with an axial magnetic field	R3731
C. Serrat, N. B. Abraham, M. San Miguel, R. Vilaseca, and J. Martín-Regalado	
Laser cooling of cesium atoms in gray optical molasses down to $1.1\ \mu\text{K}$	R3734
D. Boiron, A. Michaud, P. Lemonde, Y. Castin, C. Salomon, S. Weyers, K. Szymaniec, L. Cognet, and A. Clairon	

ARTICLES

Fundamental concepts

Entropy of phase measurement: Quantum phase via quadrature measurement	3738
Zdeněk Hradil, Robert Myška, Tomáš Opatrný, and Jiří Bajer	
δ -function spin- $\frac{1}{2}$ fermions in a one-dimensional potential well	3743
You-Quan Li and Jian-Hui Dai	
Larmor clock for tunneling times	3749
H. M. Krenzlín, J. Budczies, and K. W. Kehr	
Coherent splitting of single photons by an ideal beam splitter	3756
J. D. Franson	
Accelerating light clocks	3761
F. V. Kowalski	
Heisenberg-picture approach to the exact quantum motion of a time-dependent forced harmonic oscillator	3767
Hyeong-Chan Kim, Min-Ho Lee, Jeong-Young Ji, and Jae Kwan Kim	
Quantum damping of position due to energy measurements	3773
Roberto Onofrio and Lorenza Viola	
Jamming nonlocal quantum correlations	3781
Jacob Grunhaus, Sandu Popescu, and Daniel Rohrlich	
Optical quantum nondemolition measurements and the Copenhagen interpretation	3785
H. A. Haus and F. X. Kärtner	

(Continued)



1050-2947(199606)53:6;1-0