

CONTENTS - *Continued*

PHYSICAL REVIEW A

THIRD SERIES, VOLUME 78, NUMBER 2

AUGUST 2008

Light-induced collapse of metastable magnesium complexes formed in helium nanodroplets (<i>4 pages</i>)	021202(R)
Andreas Przystawik, Sebastian Göde, Tilo Döppner, Josef Tiggesbäumker, and Karl-Heinz Meiwes-Broer	

Atomic and molecular processes in external fields, including interactions with strong fields and short pulses

Explicit analysis of chaotic behavior in radial and angular motion in doubly excited helium (<i>4 pages</i>)	021401(R)
Y. H. Jiang, R. Püttner, D. Delande, M. Martins, and G. Kaindl	
Formation of deeply bound molecules via chainwise adiabatic passage (<i>4 pages</i>)	021402(R)
Elena Kuznetsova, Philippe Pellegrini, Robin Côté, M. D. Lukin, and S. F. Yelin	
Observation of above-threshold dissociation of Na_2^+ in intense laser fields (<i>4 pages</i>)	021403(R)
Qun Zhang, John W. Hepburn, and Moshe Shapiro	

Matter waves

Phonon background versus analog Hawking radiation in Bose-Einstein condensates (<i>4 pages</i>)	021601(R)
S. Wüster	
<i>In situ</i> Ramsey interferometry and diffraction echo with an atomic Fermi gas (<i>4 pages</i>)	021602(R)
C. Marzok, B. Deh, S. Slama, C. Zimmermann, and Ph. W. Courteille	
Nonlocal density correlations as a signature of Hawking radiation from acoustic black holes (<i>4 pages</i>)	021603(R)
Roberto Balbinot, Alessandro Fabbri, Serena Fagnocchi, Alessio Recati, and Iacopo Carusotto	
Vortex core states in superfluid Fermi-Fermi mixtures with unequal masses (<i>4 pages</i>)	021604(R)
M. Iskin	

Quantum optics, physics of lasers, nonlinear optics, classical optics

Laser linewidth hazard in optomechanical cooling (<i>2 pages</i>)	021801(R)
Lajos Diósi	
Optimal light storage with full pulse-shape control (<i>4 pages</i>)	021802(R)
Irina Novikova, Nathaniel B. Phillips, and Alexey V. Gorshkov	
Chirped chiral solitons in the nonlinear Schrödinger equation with self-steepening and self-frequency shift (<i>4 pages</i>)	021803(R)
Vivek M. Vyas, Pankaj Patel, Prasanta K. Panigrahi, Choragudi Nagaraja Kumar, and W. Greiner	
Experimental determination of a nonclassical Glauber-Sudarshan P function (<i>4 pages</i>)	021804(R)
T. Kiesel, W. Vogel, V. Parigi, A. Zavatta, and M. Bellini	
Resonant transmission of electromagnetic fields through subwavelength zero- ϵ slits (<i>4 pages</i>)	021805(R)
Klaus Halterman and Simin Feng	
Exact solutions of the eikonal equations describing self-focusing in highly nonlinear geometrical optics (<i>4 pages</i>)	021806(R)
Larisa L. Tatarinova and Martin E. Garcia	
Nonlocal modulation of entangled photons (<i>4 pages</i>)	021807(R)
S. E. Harris	

(Continued)