

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 64, NUMBER 3

CONTENTS

SEPTEMBER 2001

RAPID COMMUNICATIONS

Quantum information

- Multiplayer quantum games (*4 pages*) 030301(R)
Simon C. Benjamin and Patrick M. Hayden
- Maximizing the entanglement of two mixed qubits (*4 pages*) 030302(R)
W. J. Munro, D. F. V. James, A. G. White, and P. G. Kwiat
- Minimum-error discrimination between multiply symmetric states (*3 pages*) 030303(R)
Stephen M. Barnett

Clusters (including fullerenes)

- Dynamical fragmentation processes of C_{60}^{5+} ions in Ar^{8+} - C_{60} collisions (*4 pages*) 031201(R)
L. Chen, S. Martin, R. Brédy, J. Bernard, and J. Désesquelles

Atomic and molecular processes in external fields

- Simple technique for directly and accurately measuring the number of atoms in a magneto-optical trap
(*4 pages*) 031401(R)
Ying-Cheng Chen, Yean-An Liao, Long Hsu, and Ite A. Yu
- Atomic triply excited double Rydberg states of lanthanum investigated by selective laser excitation
(*4 pages*) 031402(R)
W. Sun, P. Xue, X. P. Xie, W. Huang, C. B. Xu, Z. P. Zhong, and X. Y. Xu
- Quenched narrow-line laser cooling of ^{40}Ca to near the photon recoil limit (*4 pages*) 031403(R)
E. A. Curtis, C. W. Oates, and L. Hollberg
- Two- and three-photon ionization of rare gases using femtosecond harmonic pulses generated in a gas medium
(*4 pages*) 031404(R)
D. Descamps, L. Roos, C. Delfin, A. L'Huillier, and C.-G. Wahlström
- Continuous loading of a magnetic trap (*4 pages*) 031405(R)
J. Stuhler, P. O. Schmidt, S. Hensler, J. Werner, J. Mlynek, and T. Pfau
- Enhancement of laser-induced molecular alignment by simultaneous photodissociation (*4 pages*) 031406(R)
F. Légaré and André D. Bandrauk



Matter waves

- Interferometric detection of a single vortex in a dilute Bose-Einstein condensate (*4 pages*) 031601(R)
 F. Chevy, K. W. Madison, V. Bretin, and J. Dalibard

Quantum optics, physics of lasers, nonlinear optics

- Soliton squeezing in a Mach-Zehnder fiber interferometer (*4 pages*) 031801(R)
 Marco Fiorentino, Jay E. Sharping, Prem Kumar, Dmitry Levandovsky, and Michael Vasilyev
- Extremely slow propagation of a light pulse in an ultracold atomic vapor: A Raman scheme without
 electromagnetically induced transparency (*4 pages*) 031802(R)
 M. G. Payne and L. Deng
- Spatially inhomogeneously polarized transverse modes in vertical-cavity surface-emitting lasers (*4 pages*) ... 031803(R)
 L. Fratta, P. Debernardi, G. P. Bava, C. Degen, J. Kaiser, I. Fischer, and W. Elsässer

ARTICLES**Fundamental concepts**

- Quantum measurement and decoherence (*4 pages*) 032101
 G. W. Ford, J. T. Lewis, and R. F. O'Connell
- Long-range Casimir-Polder-Feinberg-Sucher intermolecular potential at nonzero temperature (*4 pages*) 032102
 G. Barton
- Perturbative Casimir shifts of nondispersive spheres at finite temperature (*7 pages*) 032103
 G. Barton
- Zeno effect in spontaneous decay induced by coupling to an unstable level (*7 pages*) 032104
 Alfredo Luis
- Invariant spinor representations of finite rotation matrices (*9 pages*) 032105
 N. L. Manakov, A. V. Meremianin, and Anthony F. Starace
- Coulomb corrections and multiple e^+e^- -pair production in ultrarelativistic nuclear collisions (*3 pages*) 032106
 R. N. Lee and A. I. Milstein
- Quantum phases of electric and magnetic dipoles as special cases of the Aharonov-Bohm phase (*5 pages*) ... 032107
 Tae-Yeon Lee
- Quantum measurement as a driven phase transition: An exactly solvable model (*27 pages*) 032108
 Armen E. Allahverdyan, Roger Balian, and Theo M. Nieuwenhuizen
- Evaluation of the two-photon exchange graphs for the $2p_{1/2}$ - $2s$ transition in Li-like ions (*15 pages*) 032109
 V. A. Yerokhin, A. N. Artemyev, V. M. Shabaev, M. M. Sysak, O. M. Zhrebtssov, and G. Soff
- Coherent states for the Kepler motion. II (*5 pages*) 032110
 Tadashi Toyoda and Sumiko Wakayama
- Sensitivity optimization in quantum parameter estimation (*12 pages*) 032111
 F. Verstraete, A. C. Doherty, and H. Mabuchi
- All-multipartite Bell-correlation inequalities for two dichotomic observables per site (*10 pages*) 032112
 R. F. Werner and M. M. Wolf
- Time evolution of tunneling and decoherence (*10 pages*) 032113
 A. N. Salgueiro, A. F. R. de Toledo Piza, J. G. Peixoto de Faria, and M. C. Nemes
- Wigner functions on a lattice (*6 pages*) 032114
 Akiyoshi Takami, Takaaki Hashimoto, Minoru Horibe, and Akihisa Hayashi

Quantum information

Nonlinear qubit transformations (<i>11 pages</i>)	032301
Lucien Hardy and David D. Song	
Nonlocal content of quantum operations (<i>7 pages</i>)	032302
Daniel Collins, Noah Linden, and Sandu Popescu	
Generalized measurements on atoms in microtraps (<i>5 pages</i>)	032303
Erika Andersson	
Reducing the communication complexity with quantum entanglement (<i>4 pages</i>)	032304
Peng Xue, Yun-Feng Huang, Yong-Sheng Zhang, Chuan-Feng Li, and Guang-Can Guo	
Efficient quantum-key-distribution scheme with nonmaximally entangled states (<i>5 pages</i>)	032305
Peng Xue, Chuan-Feng Li, and Guang-Can Guo	
NMR simulation of an eight-state quantum system (<i>4 pages</i>)	032306
A. K. Khitrin and B. M. Fung	
Phase conjugation of continuous quantum variables (<i>3 pages</i>)	032307
N. J. Cerf and S. Iblisdir	
Ponderomotive entangling of atomic motions (<i>5 pages</i>)	032308
Stefano Mancini and Sougato Bose	
Extracting an entangled state of $n-t$ qubits from an n -qubit entangled state after errors at t sites (<i>6 pages</i>)	032309
Chui-Ping Yang and Julio Gea-Banacloche	
Quantum entanglement and entropy (<i>10 pages</i>)	032310
Filippo Giraldi and Paolo Grigolini	

Atomic and molecular structure and dynamics

Properties of some exotic five-particle systems (<i>10 pages</i>)	032501
J. Zs. Mezei, J. Mitroy, R. G. Lovas, and K. Varga	
Ionization potential and excitation energy calculations for Ba^+ using the relativistic coupled-cluster method (<i>5 pages</i>)	032502
Geetha Gopakumar, Holger Merlitz, Sonjoy Majumder, Rajat K. Chaudhuri, B. P. Das, Uttam Sinha Mahapatra, and Debashis Mukherjee	
Simulation of frequency- and wave-vector-resolved femtosecond resonant x-ray emission of molecular chains (<i>13 pages</i>)	032503
Satoshi Tanaka and Shaul Mukamel	
Photoinduced phenomenon in polymers (<i>7 pages</i>)	032504
X. Sun, R. L. Fu, K. Yonemitsu, and K. Nasu	
Vacuum-ultraviolet spectroscopy of Xe: Hyperfine splittings, isotope shifts, and isotope-dependent ionization energies (<i>6 pages</i>)	032505
F. Brandi, I. Velchev, W. Hogervorst, and W. Ubachs	
Hyperfine structure of hydrogenlike thallium isotopes (<i>6 pages</i>)	032506
Peter Beiersdorfer, Steven B. Utter, Keith L. Wong, José R. Crespo López-Urrutia, Jerry A. Britten, Hui Chen, Clifford L. Harris, Robert S. Thoe, Daniel B. Thorn, Elmar Träbert, Martin G. H. Gustavsson, Christian Forssén, and Ann-Marie Mårtensson-Pendrill	
Relativistic corrections to the electromagnetic polarizabilities of compound systems (<i>11 pages</i>)	032507
R. N. Lee, A. I. Milstein, and M. Schumacher	

Atomic and molecular collisions and interactions

Collisional destruction of anionic carbon and silicon clusters by helium, neon, and argon atoms at intermediate velocities (6 pages)	032701
F. Zappa, L. F. S. Coelho, S. D. Magalhães, J. C. Acquadro, Tania S. Cabral, Ginette Jalbert, and N. V. de Castro Faria	
Fragment ion distribution in charge-changing collisions of 2-MeV Si ions with C ₆₀ (9 pages)	032702
A. Itoh, H. Tsuchida, K. Miyabe, T. Majima, and Y. Nakai	
Mass dependence of scattering lengths for hydrogen atoms (7 pages)	032703
M. J. Jamieson and B. Zygelman	
Measurement of absolute differential cross sections for the excitation of atomic hydrogen to its $n=3$ and 4 levels by electron impact (4 pages)	032704
Christopher J. Sweeney, Alan Grafe, and Tong W. Shyn	
Measurement of the $3d \rightarrow 2p$ resonance to intercombination line-intensity ratio in neonlike Fe XVII, Ge XXIII, and Se XXV (6 pages)	032705
P. Beiersdorfer, S. von Goeler, M. Bitter, and D. B. Thorn	
Cross sections and asymmetry parameters in gas-phase photoionization of C ₆₀ (7 pages)	032706
F. A. Gianturco and R. R. Lucchese	
Influence of electromagnetic fields on the dielectronic recombination of Ne ⁷⁺ ions (7 pages)	032707
S. Böhm, S. Schippers, W. Shi, A. Müller, N. Djurić, G. H. Dunn, W. Zong, B. Jelenković, H. Danared, N. Eklöw, P. Glans, and R. Schuch	
Measurement of electron-impact excitation cross sections out of the neon ³ P ₂ metastable level (10 pages)	032708
John B. Boffard, M. L. Keeler, Garrett A. Piech, L. W. Anderson, and Chun C. Lin	
Complex-correlation Kohn <i>T</i> -matrix method of calculating total and elastic cross sections: Electron-hydrogen elastic scattering (5 pages)	032709
A. K. Bhatia and A. Temkin	
Relativistic cross sections of the electron-impact ionization of heliumlike ions (9 pages)	032710
Tien-Yow Kuo and Keh-Ning Huang	
Many-electron correlation effects in the generalized oscillator strengths of noble-gas atoms (12 pages)	032711
M. Ya. Amusia, L. V. Chernysheva, Z. Felfli, and A. Z. Msezane	
Fragmentation dynamics of CS ₂ ^{q+} ($q=3-10$) molecular ions (10 pages)	032712
F. A. Rajgara, M. Krishnamurthy, D. Mathur, T. Nishide, T. Kitamura, H. Shiromaru, Y. Achiba, and N. Kobayashi	
Scaling of plane-wave Born cross sections for electron-impact excitation of neutral atoms (10 pages)	032713
Yong-Ki Kim	
Use of the independent-particle model to treat curve-crossing transitions (8 pages)	032714
L. F. Errea, A. Macías, L. Méndez, and A. Riera	
Computing positron annihilation in polyatomic gases: An exploratory study (12 pages)	032715
F. A. Gianturco, T. Mukherjee, and A. Occhigrossi	
Sharp and window resonances in the 4 <i>d</i> photoabsorption spectrum of Eu ⁺ ions (6 pages)	032716
X. M. Tong, D. Kato, T. Watanabe, and S. Ohtani	
Electron capture in collisions of Al ²⁺ ions with He atoms at intermediate energies (7 pages)	032717
A. Watanabe, H. Sato, J. P. Gu, G. Hirsch, R. J. Buenker, and M. Kimura	
Electron-impact excitation of lithium (6 pages)	032718
D. C. Griffin, D. M. Mitnik, J. Colgan, and M. S. Pindzola	
Relativistic close-coupling calculations for photoionization and recombination of Ne-like Fe XVII (12 pages)	032719
Hong Lin Zhang, Sultana N. Nahar, and Anil K. Pradhan	

Saddle points of potential-energy surfaces for symmetric triatomic molecules determined by an algebraic approach (5 pages)	032720
Yujun Zheng and Shiliang Ding	
Photon, electron, atom, and molecule interactions with solids and surfaces	
Interaction of ions and molecules with surface modes in cylindrical channels in solids (14 pages)	032901
Néstor R. Arista	
Random and channeled energy loss of 33.2-TeV Pb nuclei in silicon single crystals (5 pages)	032902
S. Pape Møller, V. Biryukov, S. Datz, P. Grafström, H. Knudsen, H. F. Krause, C. Scheidenberger, U. I. Uggerhøj, and C. R. Vane	
Clusters (including fullerenes)	
Collisionally induced multifragmentation of C_{60} (4 pages)	033201
R. Vandenbosch	
Atomic and molecular processes in external fields	
Nonlinear coherent states of trapped-atom motion (10 pages)	033401
Z. Kis, W. Vogel, and L. Davidovich	
Large Faraday rotation of resonant light in a cold atomic cloud (7 pages)	033402
G. Labeyrie, C. Miniatura, and R. Kaiser	
Anharmonic parametric excitation in optical lattices (7 pages)	033403
R. Jáuregui, N. Poli, G. Roati, and G. Modugno	
Phase-space picture of resonance creation and avoided crossings (10 pages)	033404
T. Timberlake and L. E. Reichl	
Three-dimensional cavity Doppler cooling and cavity sideband cooling by coherent scattering (7 pages)	033405
Vladan Vuletić, Hilton W. Chan, and Adam T. Black	
Quantum transitions at a level crossing of decaying states (14 pages)	033406
Curt A. Moyer	
Experimental study of the quantum driven pendulum and its classical analog in atom optics (15 pages)	033407
W. K. Hensinger, A. G. Truscott, B. Upcroft, M. Hug, H. M. Wiseman, N. R. Heckenberg, and H. Rubinsztein-Dunlop	
Optical microlinear accelerator for molecules and atoms (9 pages)	033408
P. F. Barker and M. N. Shneider	
Highly perturbed states of barium in a static electric field (5 pages)	033409
Kenneth A. Bates, Jumpei Masae, Camelia Vasilescu, and Douglass Schumacher	
Coherent control of multiphoton transitions with femtosecond pulse shaping (7 pages)	033410
S. Abbas Hosseini and Debabrata Goswami	
High-order harmonic generation by molecules of discrete rotational symmetry interacting with circularly polarized laser field (13 pages)	033411
Vitali Averbukh, Ofir E. Alon, and Nimrod Moiseyev	
Effects of the Rabi oscillations on the atomic motion in a standing-wave cavity (8 pages)	033412
S. V. Prants and V. Yu. Sirotkin	
Microwave Hanle effect in Rydberg atoms (8 pages)	033413
Igor I. Ryabtsev and Denis B. Tretyakov	

Pulsed field recombination (<i>11 pages</i>)	033414
C. Wesdorp, F. Robicheaux, and L. D. Noordam	
Quantum-phase and information-entropy dynamics of a molecular system interacting with a two-mode squeezed coherent field (<i>14 pages</i>)	033415
Masayoshi Nakano and Kizashi Yamaguchi	
Transition between extended and localized states in a one-dimensional incommensurate optical lattice (<i>7 pages</i>)	033416
Roberto B. Diener, Georgios A. Georgakis, Jianxin Zhong, Mark Raizen, and Qian Niu	
Optimally shaped terahertz pulses for phase retrieval in a Rydberg-atom data register (<i>5 pages</i>)	033417
C. Rangan and P. H. Bucksbaum	
Ionization and excitation dynamics of H(1s) in short intense laser pulses (<i>10 pages</i>)	033418
J. P. Hansen, J. Lu, L. B. Madsen, and H. M. Nilsen	
Decoherence in trapped ions due to polarization of the residual background gas (<i>9 pages</i>)	033419
R. M. Serra, N. G. de Almeida, W. B. da Costa, and M. H. Y. Moussa	
Preparing wave functions by the chirped adiabatic passage scheme in manifolds of levels (<i>7 pages</i>)	033420
Bo Y. Chang, Ignacio R. Solá, Vladimir S. Malinovsky, and Jesús Santamaría	
Dynamics of photoinduced collisions of cold atoms probed with picosecond laser pulses (<i>7 pages</i>)	033421
Fredrik Fatemi, Kevin M. Jones, He Wang, Ian Walmsley, and Paul D. Lett	
Scaling properties of cavity-enhanced atom cooling (<i>7 pages</i>)	033422
Peter Horak and Helmut Ritsch	
Harmonic generation in ring-shaped molecules (<i>7 pages</i>)	033423
F. Ceccherini and D. Bauer	
Coherent control of atom dynamics in an optical lattice (<i>9 pages</i>)	033424
H. L. Haroutyunyan and G. Nienhuis	
Calculations of collisions between cold alkaline-earth-metal atoms in a weak laser field (<i>19 pages</i>)	033425
Mette Machholm, Paul S. Julienne, and Kalle-Antti Suominen	
Modified hydrodynamic model and its application in the investigation of laser-cluster interactions (<i>7 pages</i>)	033426
Jiansheng Liu, Ruxin Li, Pinpin Zhu, Zhizhan Xu, and Jingru Liu	
Matter waves	
Enhancement of quantum tunneling oscillations due to nonlinear interactions (<i>5 pages</i>)	033601
N. Tsukada	
Bose-Einstein beams: Coherent propagation through a guide (<i>17 pages</i>)	033602
P. Leboeuf and N. Pavloff	
Tunable tunneling: An application of stationary states of Bose-Einstein condensates in traps of finite depth (<i>9 pages</i>)	033603
L. D. Carr, K. W. Mahmud, and W. P. Reinhardt	
Sum rule for the dynamical response of a confined Bose-Einstein condensed gas (<i>5 pages</i>)	033604
A. Minguzzi	
Hydrodynamic excitations in a spin-polarized Fermi gas under harmonic confinement in one dimension (<i>5 pages</i>)	033605
A. Minguzzi, P. Vignolo, M. L. Chiofalo, and M. P. Tosi	
Bogoliubov inequality and Bose-Einstein condensates with repulsive and attractive interactions (<i>8 pages</i>)	033606
A. C. Olinto	
Off-axis vortices in trapped Bose-condensed gases: Angular momentum and frequency splitting (<i>9 pages</i>)	033607
Montserrat Guilleumas and Robert Graham	

Instabilities in a two-component, species-conserving condensate (<i>4 pages</i>)	033608
A. G. Rojo	
Laser probing of Cooper-paired trapped atoms (<i>10 pages</i>)	033609
G. M. Bruun, P. Törmä, M. Rodriguez, and P. Zoller	
Josephson tunneling between weakly interacting Bose-Einstein condensates (<i>15 pages</i>)	033610
F. Meier and W. Zwerger	
Induced instability for boson-fermion mixed condensates of alkali-metal atoms due to the attractive boson-fermion interaction (<i>6 pages</i>)	033611
T. Miyakawa, T. Suzuki, and H. Yabu	
Optical detection of trapped-atom statistics (<i>5 pages</i>)	033612
Özgür E. Müstecaplıoğlu and L. You	
Quantum optics, physics of lasers, nonlinear optics	
Single-atom switching in photonic crystals (<i>21 pages</i>)	033801
Marian Florescu and Sajeev John	
Electromagnetically induced transparency with a standing-wave drive in the frequency up-conversion regime (<i>9 pages</i>)	033802
F. Silva, J. Mompart, V. Ahufinger, and R. Corbalán	
Slowly varying envelope approximation in a laser with optical feedback (<i>5 pages</i>)	033803
Alejandro A. Duarte and Hernán G. Solari	
Characterization of high-finesse mirrors: Loss, phase shifts, and mode structure in an optical cavity (<i>7 pages</i>)	033804
Christina J. Hood, H. J. Kimble, and Jun Ye	
SU(1,1) tomography (<i>7 pages</i>)	033805
G. M. D'Ariano, E. De Vito, and L. Maccone	
Gain and stability in photorefractive two-wave mixing (<i>7 pages</i>)	033806
Ivan de Oliveira and Jaime Frejlich	
Local optical density of states in SiO ₂ spherical microcavities: Theory and experiment (<i>7 pages</i>)	033807
M. J. A. de Dood, L. H. Slooff, A. Polman, A. Moroz, and A. van Blaaderen	
Hazards of reservoir memory (<i>5 pages</i>)	033808
Stephen M. Barnett and Stig Stenholm	
Relaxation of a two-level system strongly coupled to a reservoir: Anomalously slow decoherence (<i>11 pages</i>)	033809
A. G. Kofman	
Rabi flopping without resonance (<i>7 pages</i>)	033810
Marco Frasca	
Excess-noise-enhanced parametric down conversion (<i>8 pages</i>)	033811
Claus Lamprecht, Murray K. Olsen, Matthew Collett, and Helmut Ritsch	
General theory for spontaneous emission in active dielectric microstructures: Example of a fiber amplifier (<i>14 pages</i>)	033812
T. Søndergaard and B. Tromborg	
Analysis of instantaneous profiles of intense femtosecond optical pulses propagating in helium gas measured by using femtosecond time-resolved optical polarigraphy (<i>11 pages</i>)	033813
Masatoshi Fujimoto, Shin-ichiro Aoshima, Makoto Hosoda, and Yutaka Tsuchiya	
Observation of bound states of solitons in a passively mode-locked fiber laser (<i>3 pages</i>)	033814
D. Y. Tang, W. S. Man, H. Y. Tam, and P. D. Drummond	

Generation of bright squeezed light at $1.06\ \mu\text{m}$ using cascaded nonlinearities in a triply resonant cw periodically-poled lithium niobate optical parametric oscillator (<i>7 pages</i>)	033815
K. S. Zhang, T. Coudreau, M. Martinelli, A. Maître, and C. Fabre	

BRIEF REPORTS

Fundamental concepts

Complete solution of the Schrödinger equation for the time-dependent linear potential (<i>3 pages</i>)	034101
Mang Feng	

Quantum information

Wigner-function description of quantum teleportation in arbitrary dimensions and a continuous limit (<i>4 pages</i>)	034301
M. Koniorczyk, V. Bužek, and J. Janszky	
One-complex-plane representation approach to continuous variable quantum teleportation (<i>4 pages</i>)	034302
J. Janszky, M. Koniorczyk, and A. Gábris	
Quantum database search can do without sorting (<i>4 pages</i>)	034303
Apoorva Patel	

Atomic and molecular structure and dynamics

Experimental $M1$ transition rates in K XI, K XV, and K XVI (<i>4 pages</i>)	034501
E. Träbert, P. Beiersdorfer, G. V. Brown, H. Chen, E. H. Pinnington, and D. B. Thorn	

Atomic and molecular collisions and interactions

Semiclassical-quantal approach to the near-threshold ionization of hydrogen (<i>3 pages</i>)	034701
N. C. Deb and D. S. F. Crothers	
Procedure for correcting variational R -matrix calculations for polarization response (<i>4 pages</i>)	034702
R. K. Nesbet, Stephane Mazevet, and Michael A. Morrison	
Thermalization of magnetically trapped metastable helium (<i>4 pages</i>)	034703
A. Browaeys, A. Robert, O. Sirjean, J. Poupard, S. Nowak, D. Boiron, C. I. Westbrook, and A. Aspect	
Further study of the over-barrier model to compute charge-exchange processes (<i>4 pages</i>)	034704
Fabio Sattin	

Photon, electron, atom, and molecule interactions with solids and surfaces

Secondary-electron emission from a single-crystalline aluminum surface induced by multiply charged oxygen ions (<i>3 pages</i>)	034901
P. Karmakar, P. Agarwal, P. Y. Nabhiraj, D. K. Bose, R. K. Bhandari, and D. Ghose	

Atomic and molecular processes in external fields

Correlated multiphoton double ionization of helium: The role of nonadiabatic tunneling and singlet recollision (<i>4 pages</i>)	035401
Gennady L. Yudin and Misha Yu. Ivanov	

Matter waves

Ground-state properties of a trapped few-boson system under rotation: Beyond the “lowest-Landau-level” approximation (4 pages)	035601
Xia-Ji Liu, Hui Hu, Lee Chang, and Shi-Qun Li	

COMMENTS

Comment on “Photodetachment in combined static and dynamic electric fields” (3 pages)	037401
I. I. Fabrikant, M. V. Frolov, N. L. Manakov, and A. F. Starace	
Reply to “Comment on ‘Photodetachment in combined static and dynamic electric fields’ ” (2 pages)	037402
A. R. P. Rau and Chitra Rangan	
Comment on “Bose-Einstein condensation with magnetic dipole-dipole forces” (2 pages)	037601
J.-P. Martikainen, Matt Mackie, and K.-A. Suominen	

ERRATA

Erratum: Demonstration of initial-state dependence in time-dependent density-functional theory [Phys. Rev. A 63 , 042501 (2001)] (1 page)	039901(E)
N. T. Maitra and K. Burke	
Erratum: Quantum propagation of neutral atoms in a magnetic quadrupole guide [Phys. Rev. A 61 , 033614 (2000)] (1 page)	039902(E)
E. A. Hinds and Claudia Eberlein	

Cumulative Author Index	i
--------------------------------------	---