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 2 *CONTENTS* **AUGUST 2001**

RAPID COMMUNICATIONS

Fundamental concepts

High-efficiency nondistortion quantum interrogation of atoms in quantum superpositions *(4 pages)* . . . . . 020101(R)
Xingxiang Zhou, Zheng-Wei Zhou, Guang-Can Guo, and Marc J. Feldman

Atomic and molecular collisions and interactions

Resonance effects in simultaneous electron-impact ionization-excitation of helium *(4 pages)* . . . . . 020701(R)
Yanghua Fang and Klaus Bartschat

Clusters (including fullerenes)

Observation of H-like ions within argon clusters irradiated by 35-fs laser via high-resolution x-ray spectroscopy *(4 pages)* . . . . . 021201(R)
G. C. Junkel-Vives, J. Abdallah Jr., F. Blasco, C. Stenz, F. Salin, A. Ya. Faenov, A. I. Magunov, T. A. Pikuz, and I. Yu. Skobelev

Atomic and molecular processes in external fields

Channel-closing-induced resonances in the above-threshold ionization plateau *(4 pages)* . . . . . 021401(R)
G. G. Paulus, F. Grasbon, H. Walther, R. Kopold, and W. Becker

Sympathetic cooling of ^{85}Rb and ^{87}Rb *(4 pages)* . . . . . 021402(R)
Immanuel Bloch, Markus Greiner, Olaf Mandel, Theodor W. Hänsch, and Tilman Esslinger

Optimization of high-order harmonic generation by genetic algorithm and wavelet time-frequency analysis of quantum dipole emission *(4 pages)* . . . . . 021403(R)
Xi Chu and Shih-I Chu

Probing coordinates of Rydberg wave packets *(4 pages)* . . . . . 021404(R)
B. E. Tannian, C. L. Stokely, F. B. Dunning, C. O. Reinhold, and J. Burgdörfer

Matter waves

Modulational instability of spinor condensates *(4 pages)* . . . . . 021601(R)
Nicholas P. Robins, Weiping Zhang, Elena A. Ostrovskaya, and Yuri S. Kivshar

Quantum optics, physics of lasers, nonlinear optics

Temporal character of pulsed-laser cone emission *(4 pages)* . . . . . 021801(R)
W. Gawlik, R. Shuker, and A. Gallagher

Copyright 2001 by The American Physical Society

(Continued)

1050-2947(200108)64:2;1-V

PHYSICAL REVIEW A **THIRD SERIES, VOLUME 64, NUMBER 2** **AUGUST 2001**

Sub-10-femtosecond active synchronization of two passively mode-locked Ti:sapphire oscillators *(4 pages)* . . . 021802(R)
Long-Sheng Ma, Robert K. Shelton, Henry C. Kapteyn, Margaret M. Murnane, and Jun Ye

ARTICLES

Fundamental concepts

Near-threshold quantization and level densities for potential wells with weak inverse-square tails *(7 pages)* . . . 022101
Michael J. Moritz, Christopher Eltschka, and Harald Friedrich
Topological effects, dipole moments, and the dual current in $2+1$ dimensions *(6 pages)* 022102
Xiao-Gang He and Bruce H. J. McKellar
Bell inequality for Werner states *(3 pages)* 022103
Xiao-Hua Wu, Hong-Shi Zong, Hou-Rong Pang, and Fan Wang
Tunneling time through a barrier using the local value of a ''time'' operator *(8 pages)* 022104
Donald H. Kobe, Hiromi Iwamoto, Mario Goto, and Valdir C. Aguilera-Navarro
Critique of the Wigner tunneling speed and a proposed alternative *(8 pages)* 022105
P. Krekora, Q. Su, and R. Grobe
Characterizing a universal cloning machine by maximum-likelihood estimation *(5 pages)* 022106
Massimiliano F. Sacchi

Quantum information

Complexity measure for continuous-time quantum algorithms *(6 pages)* 022301
D. Janzing and Th. Beth
Quantum teleportation of entangled coherent states *(4 pages)* 022302
Xiaoguang Wang
Quantum correlations in two-fermion systems *(9 pages)* 022303
John Schliemann, J. Ignacio Cirac, Marek Kuś, Maciej Lewenstein, and Daniel Loss
Quantum search protocol for an atomic array *(5 pages)* 022304
Marlan O. Scully and M. Suhail Zubairy
Communication of spin directions with product states and finite measurements *(4 pages)* 022305
E. Bagan, M. Baig, and R. Muñoz-Tapia
Schmidt measure as a tool for quantifying multiparticle entanglement *(4 pages)* 022306
Jens Eisert and Hans J. Briegel
Grover algorithm with zero theoretical failure rate *(4 pages)* 022307
G. L. Long
Visible compression of commuting mixed states *(7 pages)* 022308
W. Dür, G. Vidal, and J. I. Cirac
Enhanced estimation of a noisy quantum channel using entanglement *(4 pages)* 022309
Dietmar G. Fischer, Holger Mack, Markus A. Cirone, and Matthias Freyberger
Universal quantum computation by holonomic and nonlocal gates with imperfections *(5 pages)* 022310
Demosthenes Ellinas and Jiannis Pachos
Optimum unambiguous discrimination between linearly independent nonorthogonal quantum states and its optical realization *(10 pages)* 022311
Yuqing Sun, Mark Hillery, and János A. Bergou
Quantum network optimization *(5 pages)* 022312
Alexandre Blais
Entangled coherent states: Teleportation and decoherence *(6 pages)* 022313
S. J. van Enk and O. Hirota
Fidelity of a t-error-correcting quantum code with more than t errors *(5 pages)* 022314
Ryutaroh Matsumoto

(Continued)

PHYSICAL REVIEW A **THIRD SERIES, VOLUME 64, NUMBER 2** **AUGUST 2001**

Improving the fidelity of quantum cloning by field-induced inhibition of the unwanted transition *(7 pages)* . . . 022315
Shubhrangshu Dasgupta and G. S. Agarwal
Deterministic entanglement concentration *(7 pages)* . . . 022316
Fumiaki Morikoshi and Masato Koashi
Quantum template matching *(11 pages)* . . . 022317
Masahide Sasaki, Alberto Carlini, and Richard Jozsa
Linear optical implementation of nonlocal product states and their indistinguishability *(8 pages)* . . . 022318
Angelo Carollo, G. Massimo Palma, Christoph Simon, and Anton Zeilinger
Quantum algorithms for fermionic simulations *(14 pages)* . . . 022319
G. Ortiz, J. E. Gubernatis, E. Knill, and R. Laflamme
Mixed state entanglement: Manipulating polarization-entangled photons *(11 pages)* . . . 022320
R. T. Thew and W. J. Munro
Quantum versus classical domains for teleportation with continuous variables *(16 pages)* . . . 022321
Samuel L. Braunstein, Christopher A. Fuchs, H. J. Kimble, and P. van Loock

Atomic and molecular structure and dynamics

Exchange and correlation in the Si atom: A quantum Monte Carlo study *(16 pages)* . . . 022501
Aaron Puzder, M. Y. Chou, and Randolph Q. Hood
Determination of the two-loop Lamb shift in lithiumlike bismuth *(9 pages)* . . . 022502
J. Sapirstein and K. T. Cheng
Core-polarization effects and radiative lifetime measurements in Pr III *(5 pages)* . . . 022503
E. Biémont, H. P. Garnir, P. Palmeri, P. Quinet, Z. S. Li, Z. G. Zhang, and S. Svanberg
Theoretical study of *K*-shell excitations in formaldehyde *(15 pages)* . . . 022504
A. B. Trofimov, T. E. Moskovskaya, E. V. Gromov, H. Köppel, and J. Schirmer
Interference effects in the Auger decay of the Ar $2p^{-1}3d$ resonances *(7 pages)* . . . 022505
O. Nayandin, T. W. Gorczyca, A. A. Wills, B. Langer, J. D. Bozek, and N. Berrah
Quantum fluid dynamics from density-functional theory *(7 pages)* . . . 022506
S. Kümmel and M. Brack
Relativistic effects on interchannel coupling in atomic photoionization: The photoelectron angular distribution of Xe $5s$ *(3 pages)* . . . 022507
O. Hemmers, S. T. Manson, M. M. Sant'Anna, P. Focke, H. Wang, I. A. Sellin, and D. W. Lindle
K-edge x-ray-absorption spectrum of potassium *(5 pages)* . . . 022508
J. Padežnik Gomilšek, A. Kodre, I. Arčon, and Rok Prešeren

Atomic and molecular collisions and interactions

Photoelectron spectrometry of atomic scandium in the region of the $3p \rightarrow 3d$ giant resonance *(12 pages)* . . . 022701
S. B. Whitfield, K. Kehoe, R. Wehlitz, M. O. Krause, and C. D. Caldwell
Variational calculation of positronium-helium-atom scattering length *(6 pages)* . . . 022702
Sadhan K. Adhikari
Polarization analysis of fluorescence probing the alignment of Xe^+ ions in the resonant Auger decay of the Xe* $4d_{5/2}^{-1}6p$ photoexcited state *(14 pages)* . . . 022703
M. Meyer, A. Marquette, A. N. Grum-Grzhimailo, U. Kleiman, and B. Lohmann
e-H scattering *S*-wave model for initial excited states *(10 pages)* . . . 022704
Chris Plottke and Igor Bray
Term-dependent lifetime broadening in the $3p$ photoelectron spectra of atomic Fe and Co *(6 pages)* . . . 022705
K. Tiedtke, Ch. Gerth, M. Martins, and P. Zimmermann
Effect of quasiresonant dynamics on the predissociation of van der Waals molecules *(7 pages)* . . . 022706
R. C. Forrey, N. Balakrishnan, A. Dalgarno, M. R. Haggerty, and E. J. Heller

PHYSICAL REVIEW A **THIRD SERIES, VOLUME 64, NUMBER 2** **AUGUST 2001**

Electron capture and excitation in low-energy collisions of He^{2+} with metastable $2\,^1S$ and $2\,^3S$ He *(9 pages)* 022707
D. Rabli, M. Gargaud, and R. McCarroll

Experimental evidence for a virtual state in a cold collision: Electrons and carbon dioxide *(6 pages)* 022708
D. Field, N. C. Jones, S. L. Lunt, and J.-P. Ziesel

Accurate amplitudes for electron-impact ionization *(11 pages)* 022709
M. Baertschy, T. N. Rescigno, and C. W. McCurdy

Global, nonlinear algorithm for inverting quantum-mechanical observations *(13 pages)* 022710
J. M. Geremia and Herschel Rabitz

Ionization of atomic hydrogen by antiproton impact: A direct solution of the time-dependent Schrödinger equation *(6 pages)* 022711
Xiao-Min Tong, Tsutomu Watanabe, Daiji Kato, and Shunsuke Ohtani

Dynamics of the fragmentation of D_2 by fast protons and slow highly charged Xe^{26+} *(10 pages)* 022712
I. Ali, R. D. DuBois, C. L. Cocke, S. Hagmann, C. R. Feeler, and R. E. Olson

Resonant ion-pair formation and dissociative recombination in electron collisions with ground-state HF^+ ions *(9 pages)* 022713
N. Djurić, G. H. Dunn, A. Al-Khalili, A. M. Derkatch, A. Neau, S. Rosén, W. Shi, L. Vikor, W. Zong, M. Larsson, A. Le Padellec, H. Danared, and M. af Ugglas

Auger branching ratios for berylliumlike $1s2s2p^2\,^1S,^1P,^1D$ resonances and photoionization of beryllium from $1s^22s2p\,^1P^o$ *(13 pages)* 022714
Wei Cheng Shiu, Chen-Shiung Hsue, and Kwong T. Chung

Threshold laws for four-particle fragmentation *(5 pages)* 022715
V. N. Ostrovsky

Angle-differential and momentum-transfer cross sections for $e^- + \mathrm{Rb}$, Cs, and Fr collisions at low energies: $^3F^o$ shape resonances in Rb^-, Cs^-, and Fr^- ions *(8 pages)* 022716
C. Bahrim and U. Thumm

Low-energy atomic collision with dipole interactions *(13 pages)* 022717
B. Deb and L. You

Some exact analytical results and a semiempirical formula for single electron ionization induced by ultrarelativistic heavy ions *(5 pages)* 022718
A. J. Baltz

Direct numerical method to solve radiation trapping problems with a Doppler-broadening mechanism for partial frequency redistribution *(8 pages)* 022719
A. K. Kazansky, N. N. Bezuglov, A. F. Molisch, F. Fuso, and M. Allegrini

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

Atomic deuterium adsorbed on the surface of liquid helium *(7 pages)* 022901
A. P. Mosk, M. W. Reynolds, and T. W. Hijmans

Second-order dielectric stopping of ions in a free-electron gas *(8 pages)* 022902
D. G. Arbó, M. S. Gravielle, and J. E. Miraglia

Contribution of restricted rotors to quantum sieving of hydrogen isotopes *(7 pages)* 022903
B. C. Hathorn, B. G. Sumpter, and D. W. Noid

Electronic energy loss of H_3^+ ion clusters in SiO_2 films *(5 pages)* 022904
M. Behar, J. F. Dias, P. L. Grande, J. H. R. dos Santos, and N. R. Arista

Clusters (including fullerenes)

Experimental and theoretical study of ionization and fragmentation of C_{60} by fast-proton impact *(10 pages)* 023201
A. Reinköster, U. Werner, N. M. Kabachnik, and H. O. Lutz

(Continued)

PHYSICAL REVIEW A **THIRD SERIES, VOLUME 64, NUMBER 2** **AUGUST 2001**

The real structure of the Si_6 cluster *(4 pages)* 023202
Aristides D. Zdetsis
Collision cross sections of small water clusters *(6 pages)* 023203
Zoltán Sternovsky, Mihály Horányi, and Scott Robertson

Atomic and molecular processes in external fields

Laser-assisted formation of antihydrogen *(6 pages)* 023401
R. J. Whitehead, J. F. McCann, and I. Shimamura
Loading of a Rb magneto-optic trap from a getter source *(5 pages)* 023402
Umakant D. Rapol, Ajay Wasan, and Vasant Natarajan
Series solution for the image charge fields in arbitrary cylindrically symmetric Penning traps *(7 pages)* 023403
J. V. Porto
Stimulated hyper-Raman adiabatic passage. III. Experiment *(11 pages)* 023404
K. Böhmer, T. Halfmann, L. P. Yatsenko, B. W. Shore, and K. Bergmann
Double ionization of a two-electron system in the time-dependent extended Hartree-Fock approximation *(7 pages)* 023405
Nils Erik Dahlen and Robert van Leeuwen
Discrete peaks in above-threshold double-ionization spectra *(4 pages)* 023406
M. Lein, E. K. U. Gross, and V. Engel
Heliumlike geonium atom *(5 pages)* 023407
Ana M. Martins
Total ionization rates and ion yields of atoms at nonperturbative laser intensities *(8 pages)* 023408
A. Becker, L. Plaja, P. Moreno, M. Nurhuda, and F. H. M. Faisal
Resonances in external fields without bound predecessors *(4 pages)* 023409
R. González-Férez and W. Schweizer
Excited states of the hydrogen molecule in magnetic fields: The triplet Σ states of the parallel configuration *(12 pages)* 023410
P. Schmelcher, T. Detmer, and L. S. Cederbaum
Neutral depletion and beam defocusing in harmonic generation from strongly ionized media *(10 pages)* 023411
M. Bellini, C. Corsi, and M. C. Gambino
Magneto-optical trap operating on a magnetically induced level-mixing effect *(9 pages)* 023412
K. Nasyrov, V. Biancalana, A. Burchianti, R. Calabrese, C. Marinelli, E. Mariotti, and L. Moi
Stability of the far-off-resonance dipole-atom trap with superimposed laser cooling *(8 pages)* 023413
Jin Woo Jun and V. G. Minogin
Competition between electron and hole stimulated Raman passage *(5 pages)* 023414
Petr Král, Jaromír Fiurášek, and Moshe Shapiro
Enhancement of bichromatic high-order-harmonic generation with a high-frequency field *(6 pages)* 023415
C. Figueira de Morisson Faria and M. L. Du
Comparison of two basic laser-cooling schemes for multilevel atoms: Linear-linear and σ^+-σ^- configurations *(13 pages)* 023416
Soo Chang, Taeg Yong Kwon, Ho Seong Lee, and V. G. Minogin
Dynamic hyperpolarizability and two-photon detachment in the presence of a strong static electric field: Application to H^- *(17 pages)* 023417
M. V. Frolov, N. L. Manakov, and Anthony F. Starace
Zeeman effect on the 1*S*-2*S* transition in trapped hydrogen and antihydrogen *(5 pages)* 023418
Claudio L. Cesar
Amplification of high-order harmonics in a short laser pulse by stimulated interaction *(15 pages)* 023419
E. A. Nersesov, S. V. Popruzhenko, D. F. Zaretsky, W. Becker, and P. Agostini
Evolutionary algorithms and their application to optimal control studies *(13 pages)* 023420
D. Zeidler, S. Frey, K.-L. Kompa, and M. Motzkus

(Continued)

PHYSICAL REVIEW A **THIRD SERIES, VOLUME 64, NUMBER 2** **AUGUST 2001**

Light scattering from a degenerate quasi-one-dimensional confined gas of noninteracting fermions *(8 pages)* 023421
Patrizia Vignolo, Anna Minguzzi, and M. P. Tosi

Matter waves

Pulsed macroscopic quantum tunneling of falling Bose-Einstein condensates *(5 pages)* 023601
L. Salasnich, A. Parola, and L. Reatto
Vortex stabilization in a small rotating asymmetric Bose-Einstein condensate *(11 pages)* 023602
Marion Linn, Matthias Niemeyer, and Alexander L. Fetter
Vortices in Bose-Einstein condensates confined in a multiply connected Laguerre-Gaussian optical trap *(8 pages)* 023603
J. Tempere, J. T. Devreese, and E. R. I. Abraham
Coherent acceleration of Bose-Einstein condensates *(9 pages)* 023604
Sierk Pötting, Marcus Cramer, Christian H. Schwalb, Han Pu, and Pierre Meystre
Structure of vortices in two-component Bose-Einstein condensates *(4 pages)* 023605
D. M. Jezek, P. Capuzzi, and H. M. Cataldo
Four-wave mixing in degenerate atomic gases *(5 pages)* 023606
P. Villain, P. Öhberg, L. Santos, A. Sanpera, and M. Lewenstein
Suppression of elastic scattering loss for slowly colliding Bose-Einstein condensates *(6 pages)* 023607
Y. B. Band, J. P. Burke , Jr., A. Simoni, and P. S. Julienne
Periodic instanton method and macroscopic quantum tunneling between two weakly linked Bose-Einstein condensates *(4 pages)* 023608
Yunbo Zhang and H. J. W. Müller-Kirsten
Collective modes in a dilute Bose-Fermi mixture *(4 pages)* 023609
S. K. Yip

Quantum optics, physics of lasers, nonlinear optics

Chaotic antiphase dynamics and synchronization in multimode semiconductor lasers *(6 pages)* 023801
A. Uchida, Y. Liu, I. Fischer, P. Davis, and T. Aida
High-efficiency entangled photon pair collection in type-II parametric fluorescence *(4 pages)* 023802
Christian Kurtsiefer, Markus Oberparleiter, and Harald Weinfurter
Pattern formation in optical parametric oscillators *(6 pages)* 023803
S. Ducci, N. Treps, A. Maître, and C. Fabre
Measurement of the degree of polarization entanglement through position interference *(6 pages)* 023804
M. França Santos, P. Milman, A. Z. Khoury, and P. H. Souto Ribeiro
Coupled cavities for enhancing the cross-phase-modulation in electromagnetically induced transparency *(9 pages)* 023805
T. Opatrný and D.-G. Welsch
Analysis of a two-atom double-slit experiment based on environment-induced measurements *(9 pages)* 023806
Christian Schön and Almut Beige
Electromagnetically-induced-transparency-enhanced Kerr nonlinearity: Beyond steady-state treatment *(8 pages)* 023807
L. Deng, M. G. Payne, and W. R. Garrett
Ballistic trajectories of optical wave packets within microcavities *(5 pages)* 023808
Jean-Pierre Wolf, Yong-Le Pan, Gordon M. Turner, Matthew C. Beard, Charles A. Schmuttenmaer, Stephen Holler, and Richard K. Chang
Bose-Einstein partition distribution in microcavity quantum superradiance *(10 pages)* 023809
E. De Angelis, F. De Martini, P. Mataloni, and M. Giangrasso
Photon-photon correlations and entanglement in doped photonic crystals *(6 pages)* 023810
David Petrosyan and Gershon Kurizki

(Continued)

PHYSICAL REVIEW A **THIRD SERIES, VOLUME 64, NUMBER 2** **AUGUST 2001**

Quantum state measurement using phase-sensitive amplification in a driven three-level atomic system *(7 pages)* 023811
Mashhood Ahmad, Shahid Qamar, and M. Suhail Zubairy
Stimulated rotational and vibrational Raman scattering by elliptical polarized pump radiation *(8 pages)* 023812
F. De Tomasi, D. Diso, M. R. Perrone, and M. L. Protopapa
Resonant energy exchange between a moving boundary and radiation modes of a cavity *(9 pages)* 023813
Carl K. Cole and William C. Schieve
Stability of narrow beams in bulk Kerr-type nonlinear media *(7 pages)* 023814
B. A. Malomed, K. Marinov, D. I. Pushkarov, and A. Shivarova
Reconstruction of SU(1,1) states *(7 pages)* 023815
G. S. Agarwal and J. Banerji
Low-frequency dynamics of a Nd-doped glass laser *(13 pages)* 023816
Björn Peters, Jörg Hünkemeier, Valery M. Baev, and Yakov I. Khanin
Polarization resolved intensity noise in vertical-cavity surface-emitting lasers *(8 pages)* 023817
Josep Mulet, Claudio R. Mirasso, and Maxi San Miguel
Electromagnetically induced transparency using a vapor cell and a laser-cooled sample of cesium atoms *(8 pages)* 023818
Jason J. Clarke, William A. van Wijngaarden, and Hongxin Chen

BRIEF REPORTS

Fundamental concepts

Violations of local realism with quantum systems described by N-dimensional Hilbert spaces up to $N=16$ *(4 pages)* 024101
T. Durt, D. Kaszlikowski, and M. Żukowski
Maximum-likelihood estimation of quantum measurement *(4 pages)* 024102
Jaromír Fiurášek

Quantum information

Addendum to "Quantum key distribution without alternative measurements" *(3 pages)* 024301
Adán Cabello
Quantum key distribution via quantum encryption *(4 pages)* 024302
Yong-Sheng Zhang, Chuan-Feng Li, and Guang-Can Guo
Two qubits in the Dirac representation *(4 pages)* 024303
A. K. Rajagopal and R. W. Rendell
Quantum phase gate with a selective interaction *(4 pages)* 024304
E. Solano, M. França Santos, and P. Milman
Entanglement between motional states of a single trapped ion and light *(3 pages)* 024305
F. L. Semião, A. Vidiella-Barranco, and J. A. Roversi

Atomic and molecular structure and dynamics

Electron affinity of Bi using infrared laser photodetachment threshold spectroscopy *(3 pages)* 024501
René C. Bilodeau and Harold K. Haugen

(Continued)

PHYSICAL REVIEW A **THIRD SERIES, VOLUME 64, NUMBER 2** **AUGUST 2001**

Atomic and molecular collisions and interactions

Two- and one-center close-coupling calculations for ionization of atomic hydrogen by antiproton impact *(4 pages)* 024701
Nobuyuki Toshima

Improved characterization of elastic scattering near a Feshbach resonance in ^{85}Rb *(3 pages)* 024702
J. L. Roberts, James P. Burke Jr., N. R. Claussen, S. L. Cornish, E. A. Donley, and C. E. Wieman

Addendum to ''Dynamical coupling effects in the vibrational excitation of H_2 and N_2 colliding with positrons'' *(3 pages)* 024703
F. A. Gianturco and T. Mukherjee

Ultracold inelastic atomic collisions: Threshold relaxation of $O(^3P_0)$ by He *(2 pages)* 024704
Roman V. Krems and Alexei A. Buchachenko

Polarization bremsstrahlung spectra of electron–rare-gas atom collisions at temperatures from 5 to 40 kK *(3 pages)* 024705
Dominik Hammer and Lothar Frommhold

Clusters (including fullerenes)

Electric polarizability of isolated C_{70} molecules *(4 pages)* 025201
Isabelle Compagnon, Rodolphe Antoine, Michel Broyer, Philippe Dugourd, Jean Lermé, and Driss Rayane

Quantum optics, physics of lasers, nonlinear optics

Optimization of the positive-*P* representation for the anharmonic oscillator *(4 pages)* 025801
L. I. Plimak, M. K. Olsen, and M. J. Collett

Low-frequency fluctuations in a semiconductor laser with phase conjugate feedback *(4 pages)* 025802
D. O'Brien, G. Huyet, and J. G. McInerney

ERRATA

Erratum: Characteristics of quantum-classical correspondence for two interacting spins [Phys. Rev. A **63**, 052103 (2001)] *(1 page)* . . . . . 029901(E)
J. Emerson and L. E. Ballentine

Cumulative Author Index i