

CONTENTS - *Continued*

PHYSICAL REVIEW A

THIRD SERIES, VOLUME 59, NUMBER 4

APRIL 1999

Complete quenching of fluorescence from a two-level atom driven by a weak, narrow-band, nonclassical light field	R2579
W. S. Smyth and S. Swain	
Efficient phase conjugation via two-photon coherence in an optically dense crystal	R2583
B. S. Ham, P. R. Hemmer, and M. S. Shahriar	
Preventing laser beam filamentation through use of the squeezed vacuum	R2587
Robert W. Boyd and G. S. Agarwal	

ARTICLES

Fundamental concepts

Critique of protective measurements	2590
N. D. Hari Dass and Tabish Qureshi	
Universal geometric approach to uncertainty, entropy, and information	2602
Michael J. W. Hall	
Exact quantum states of a general time-dependent quadratic system from classical action	2616
Dae-Yup Song	
Validity of Feynman's prescription of disregarding the Pauli principle in intermediate states	2624
F. A. B. Coutinho, Y. Nogami, and Lauro Tomio	

Quantum information

Macroscopically distinct quantum-superposition states as a bosonic code for amplitude damping	2631
P. T. Cochrane, G. J. Milburn, and W. J. Munro	
Quantum communication using a nonlocal Zeno effect	2635
Lucien Hardy and Wim van Dam	
Lower bounds for attainable fidelities in entanglement purification	2641
G. Giedke, H. J. Briegel, J. I. Cirac, and P. Zoller	
Realizing the quantum baker's map on a NMR quantum computer	2649
Todd A. Brun and Rüdiger Schack	
Quantum communication with dark photons	2659
S. J. van Enk, H. J. Kimble, J. I. Cirac, and P. Zoller	
Eavesdropping optimization for quantum cryptography using a positive operator-valued measure	2665
Howard E. Brandt	

Atomic and molecular structure and dynamics

Kinetic-energy systems, density scaling, and homogeneity relations in density-functional theory	2670
Garnet Kin-Lic Chan and Nicholas C. Handy	
Nonadiabatic coupling using a corrected Born-Oppenheimer basis: The vibronic spectrum of HD ⁺	2680
Inbal Tuvi and Y. B. Band	
Perturbative approach in the WKB analysis: Application to the Stark effect	2684
S. H. Patil	
⁴ S resonances of He ⁻ below the He ⁺ (<i>n</i> = 1) threshold	2691
N. Brandefelt and E. Lindroth	
Ground state and S-wave autodissociating resonant states of positronium hydride	2697
Zong-Chao Yan and Y. K. Ho	
Long-lived high-spin states of small anions: ⁶ Π state of CO ⁻	2702
A. Dreuw and L. S. Cederbaum	

(Continued)