Current Rapid Communications

Rapid Communications in Physical Review are short reports of important new work which are of sufficient interest to be given priority handling in the publication process. The following papers have been accepted for publication as Rapid Communications and appear as indicated in the designated Physical Review issues.

Physical Review A, Vol. 51, February 1995, Issue 2

Precise atomic radiative lifetime via photoassociative spectroscopy of ultracold lithium ..... W. I. McAlexander, E. R. I. Abraham, N. W. M. Ritchie, C. J. Williams, H. T. C. Stoof, and R. G. Hulet 871

Light-by-light scattering contribution to the decay rate of orthopositronium at order $\alpha^2\Gamma_{\mathrm{LO}}$ ..... Gregory S. Adkins and Marios Lymberopoulos 875

Internal conversion in highly stripped ^{83}Kr ions ..... J. Copnell, W. R. Phillips, A. R. Barnett, K. E. Rehm, I. Ahmad, J. Gehring, B. G. Glagola, and W. Kutschera 879

Observation of parity-unfavored transitions in the nonresonant photoionization of argon ..... B. Langer, J. Viefhaus, O. Hemmers, A. Menzel, R. Wehlitz, and U. Becker 882

Fragment spin multiplicities in the fission $Ag_{23}^{2+} \rightarrow Ag_{12}^{+} + Ag_{11}^{+}$ ..... Hiroyasu Koizumi and Satoru Sugano 886

Trap-loss collisions of ultracold lithium atoms ..... N. W. M. Ritchie, E. R. I. Abraham, Y. Y. Xiao, C. C. Bradley, R. G. Hulet, and P. S. Julienne 890

Enhancements in the lifetime of NO Rydberg states in dc electric fields: Implications for zero-electron-kinetic-energy photoelectron spectroscopy experiments ..... Marc J. J. Vrakking and Yuan T. Lee 894

Above-threshold ionization of cesium 1.9-μm light ..... N. J. van Druten, R. Trainham, and H. G. Muller 898

Energy-yield and conversion-efficiency measurements of high-order harmonic radiation ..... T. Ditmire, J. K. Crane, H. Nguyen, L. B. DaSilva, and M. D. Perry 902

Angular distribution of high-order harmonics emitted from rare gases at low density ..... J. Peatross and D. D. Meyerhofer 906

Population transfer in cw-excited Rb resulting from mirrorless maser oscillation ..... C. W. Fehrenbach, S. R. Lundeen, and O. L. Weaver 910

Physical Review B, Vol. 51, 1 February 1995, Issue 6

Phase transitons in KC_{60}: Dimer formation via rapid quenching ..... Q. Zhu, D. E. Cox, and J. E. Fischer 3966

Effect of finite concentration in Kondo alloys: Approach to the heavy-fermion problem ..... L. P. Gor'kov and Ju H. Kim 3970

Equilibrium dynamics of a paramagnetic cluster ..... Michael Chertkov and Igor Kolokolov 3974

Electronic localization in Rb_4C_{60} from bulk magnetic measurements ..... I. Lukyanchuk, N. Kirova, F. Rachdi, C. Goze, P. Molinie, and M. Mehring 3978

Hall-effect studies of the mixed state of $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$ $(0 \leq x \leq 0.42)$ and $YBa_2Cu_3O_y$ $(6.65 \leq y \leq 6.84)$ ..... C. C. Almasan, S. H. Han, K. Yoshiara, M. Buchgeister, D. A. Gajewski, L. M. Paulius, J. Herrmann, M. B. Maple, A. P. Paulikas, Chun Gu, and B. W. Veal 3981

Superconducting energy gap and antiferromagnetic spin fluctuations in the superconductor YNi_2B_2C: An NMR study ..... T. Kohara, T. Oda, K. Ueda, Y. Yamada, A. Mahajan, K. Elankumaran, Zakir Hossian, L. C. Gupta, R. Nagarajan, R. Vijayaraghavan, and Chandan Mazumdar 3985

Quantum Hall effect in a vortex liquid ..... Baruch Horovitz 3989

$Bi_{3.9}Sr_{3.3}Ca_{1.3}(Cu_{0.961}Fe_{0.039})_3O_x$: A high-$T_c$ structure close to the two-dimensional limit ..... B. vom Hedt, R. Noetzel, W. Lisseck, H. Bach, K. Westerholt, and B. Freitag 3993