

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. 58, August 1998, Issue 2

Population of Stark wave-packet states by cw laser excitation	J.F. Baugh, W.P. Garver, C.E. Burkhardt, and J.J. Leventhal	R785
Probability of photoassociation from a quasicontinuum approach	Juha Javanainen and Matt Mackie	R789
Semiclassical dynamics of strongly driven systems	M.Yu. Ivanov, O.V. Tikhonova, and M.V. Fedorov	R793
Stimulated Raman molecule production in Bose-Einstein condensates	P.S. Julienne, K. Burnett, Y.B. Band, and W.C. Stwalley	R797
Critical temperature and Ginzburg-Landau equation for a trapped Fermi gas	M.A. Baranov and D.S. Petrov	R801
Theory of shape-preserving short pulses in inhomogeneously broadened three-level media	Ashiqur Rahman and J.H. Eberly	R805
Excitability in a nonlinear optical cavity	Weiping Lu, Dejin Yu, and Robert G. Harrison	R809

Physical Review B, Vol. 58, 1 August 1998, Issue 6

Ferroelastic phase transition in rutile-type germanium dioxide at high pressure	J. Haines, J.M. Léger, C. Chateau, R. Bini, and L. Ulivi	R2909
Thermal conductivity of the spin-Peierls compound CuGeO ₃	Yoichi Ando, J. Takeya, D.L. Sisson, S.G. Doettinger, I. Tanaka, R.S. Feigelson, and A. Kapitulnik	R2913
Temperature dependence of magnetoresistance and surface magnetization in ferromagnetic tunnel junctions	Chang He Shang, Janusz Nowak, Ronnie Jansen, and Jagadeesh S. Moodera	R2917
Transport in the XXZ model	B.N. Narozhny, A.J. Millis, and N. Andrei	R2921
Two magnetic impurities in a spin chain	Zhan-Ning Hu and Fu-Cho Pu	R2925
Impact of La substitution on the magnetic structure of a low-carrier-density Kondo system: Ce _{0.9} La _{0.1} P	M. Kubota, Y. Oohara, H. Yoshizawa, N. Mōri, H. Takahashi, A. Uesawa, and T. Suzuki	R2929
Hall effect in Y _{1-x} U _x Pd ₃ and CeNi ₂ Ge ₂	H. Sato, Y. Aoki, J. Urakawa, H. Sugawara, Y. Onuki, T. Fukuhara, and K. Maezawa	R2933
Specific heat of α' -NaV ₂ O ₅ at its spin-Peierls transition	D.K. Powell, J.W. Brill, Z. Zeng, and M. Greenblatt	R2937
Deuteron spin-lattice relaxation in the Mn ₁₂ O ₁₂ -acetate magnetic cluster	D. Arčon, J. Dolinšek, T. Apih, R. Blinc, N. Dalal, and R.M. Achey	R2941
80 K anomaly and its effect on the superconducting and magnetic transition in deuterated κ -(BEDT-TTF) ₂ Cu[N(CN) ₂]Br	X. Su, F. Zuo, J.A. Schlueter, A.M. Kini, and Jack M. Williams	R2944
Influences of broken time-reversal symmetry on the dc Josephson effects in <i>d</i> -wave superconductors	Yukio Tanaka and Satoshi Kashiwaya	R2948
First-order spin-paramagnetic transition and tricritical point in ultrathin Be films	P.W. Adams, P. Herron, and E.I. Meletis	R2952
Anomalous transport properties in a YBa ₂ Cu ₄ O ₈ crystal	J.-S. Zhou, J.B. Goodenough, and B. Dabrowski	R2956
Observation of viscous flux flow in YBa ₂ Cu ₃ O _{7-δ} low-angle grain boundaries	A. Díaz, L. Mechin, P. Berghuis, and J.E. Evetts	R2960

Physical Review C, Vol. 58, August 1998, Issue 2

Stepwise occupation of the $\nu i_{13/2}$ intruder orbital in the doubly-odd nucleus ¹³² Pr	C.M. Petrache, D. Bazzacco, S. Lunardi, P. Pavan, C. Rossi Alvarez, G. de Angelis, E. Farnea, and D.R. Napoli	R611
Emission angle dependence of fission fragment spin in ¹² C, ¹⁶ O, and ¹⁹ F + ²³² Th reactions	D.V. Shetty, R.K. Choudhury, B.K. Nayak, D.M. Nadkarni, and S.S. Kapoor	R616
Shears mechanism and particle-vibration coupling	A.O. Macchiavelli, R.M. Clark, M.A. Deleplanque, R.M. Diamond, P. Fallon, I.Y. Lee, F.S. Stephens, and K. Vetter	R621

(Continued)

Current Rapid Communications-Continued

Excitation energy deposition in $^{209}\text{Bi}(\alpha, \alpha')$ reactions at 240 MeV	
... D. Fabris, M. Lunardon, G. Nebbia, G. Viesti, M. Cinausero, E. Fioretto, D.R. Napoli, G. Prete, K. Hagel, J.B. Natowitz, R. Wada, P. Gonthier, Z. Majka, R. Alfarro, Y. Zhao, N. Mdeiwah, and T. Ho	R624
Pseudospin symmetry in relativistic mean field theory	
..... J. Meng, K. Sugawara-Tanabe, S. Yamaji, P. Ring, and A. Arima	R628
Caloric curve in fragmentation	A. Strachan and C.O. Dorso R632
Effective field theory for low-energy two-nucleon systems	
..... Tae-Sun Park, Kuniharu Kubodera, Dong-Pil Min, and Mannque Rho	R637
Effective theory for neutron-deuteron scattering: Energy dependence	
..... P.F. Bedaque, H.-W. Hammer, and U. van Kolck	R641