

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 59, NUMBER 21

1 JUNE 1999-I

Magnetism

Effect of the cation size disorder on charge ordering in rare-earth manganates	13 539
P. V. Vanitha, P. N. Santhosh, R. S. Singh, C. N. R. Rao, and J. P. Attfield	
de Haas–van Alphen effect, magnetic transitions, and specific heat in the heavy-fermion system UCd_{11}	13 542
A. L. Cornelius, A. J. Arko, J. L. Sarrao, and N. Harrison	
Electronic properties of a doped antiferromagnet on a <i>kagomé</i> lattice	13 546
Weiqiang Yu and Shiping Feng	
Theory of ferromagnetic metal to paramagnetic insulator transition in $R_{1-x}A_x\text{MnO}_3$	13 550
L. Sheng, D. N. Sheng, and C.S. Ting	
Low-energy excitations of a classical <i>XY</i> ferromagnetic chain in a transverse random field	13 554
Ibrahim Avgin	
Impurities in spin-Peierls systems including lattice relaxation	13 557
P. Hansen, D. Augier, J. Riera, and D. Poilblanc	
Kondo effect in a quantum critical ferromagnet	13 561
Yupeng Wang and Jianhui Dai	
Spinon signatures in the critical phase of the $(1, \frac{1}{2})$ ferrimagnet in a magnetic field	13 565
A. K. Kolezhuk, H.-J. Mikeska, K. Maisinger, and U. Schollwöck	
Phase separation in double-exchange systems	13 569
Daniel P. Arovas, Guillermo Gómez-Santos, and Francisco Guinea	
Microstructure related to charge and orbital ordering in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$	13 573
S. Mori, T. Katsufuji, N. Yamamoto, C. H. Chen, and S-W. Cheong	
Single-cluster-update Monte Carlo method for the random anisotropy model	13 577
U. K. Rößler	
Escape rate of a biaxial nanospin system in a magnetic field: First- and second-order transitions between quantum and classical regimes	13 581
Chang Soo Park, Sahng-Kyoon Yoo, D. K. Park, and Dal-Ho Yoon	
Erasing the glassy state in magnetic fine particles	13 584
Montserrat García del Muro, Xavier Batlle, and Amílcar Labarta	

Superfluidity and superconductivity

High-resolution neutron-scattering study of the roton in confined superfluid ^4He	13 588
C. R. Anderson, K. H. Andersen, J. Bossy, W. G. Stirling, R. M. Dimeo, P. E. Sokol, J. C. Cook, and D. W. Brown	
Fermi-liquid properties of a two-dimensional electron system with the Fermi level near a van Hove singularity . . .	13 592
D. Menashe and B. Laikhtman	
Hole-density evolution of the one-particle spectral function in doped ladders	13 596
George B. Martins, Claudio Gazza, and Elbio Dagotto	
Order-parameter fluctuation effects in <i>d</i> -wave BCS superconductors	13 600
Hyok-Jon Kwon	
Discrete breathers in dc-biased Josephson-junction arrays	13 604
J. J. Mazo, E. Trías, and T. P. Orlando	
Inhomogeneous magnetic flux focusing in superconducting Josephson networks	13 608
Gaia Grimaldi, Umberto Gambardella, and Sandro Pace	
Tuning the pinning energy in layered superconductors	13 612
R. J. Drost, C. J. van der Beek, H. W. Zandbergen, M. Konczykowski, A. A. Menovsky, and P. H. Kes	
Influence of the Hall force on the vortex dynamics in type-II superconductors	13 616
Staffan Grundberg and Jørgen Rammer	
Evidence for vortex staircases in the whole angular range due to competing correlated pinning mechanisms	13 620
A. Silhanek, L. Civale, S. Candia, G. Nieva, G. Pasquini, and H. Lanza	

(Continued)