

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 61, NUMBER 14

1 APRIL 2000-II

Oxygen-ordering superstructures in $\text{NdBa}_2\text{Cu}_3\text{O}_{6.5}$ single crystals investigated by hard-x-ray diffraction	R9253
T. Frello, N. H. Andersen, J. Madsen, A. B. Abrahamsen, M. v. Zimmermann, T. Niemöller, J. R. Schneider, and Th. Wolf	
Contrasting oxygen and copper isotope effects in $\text{YBa}_2\text{Cu}_4\text{O}_8$ superconducting and normal states	R9257
G. V. M. Williams, D. J. Pringle, and J. L. Tallon	
Shear-induced vortex decoupling in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ crystals	R9261
B. Khaykovich, D. T. Fuchs, K. Teitelbaum, Y. Myasoedov, E. Zeldov, T. Tamegai, S. Ooi, M. Konczykowski, R. A. Doyle, and S. F. W. R. Rycroft	
Spin dynamics in the low-temperature tetragonal phase of $\cong \frac{1}{8}$ doped single crystal $\text{La}_{1.67}\text{Eu}_{0.2}\text{Sr}_{0.13}\text{CuO}_4$	R9265
B. J. Suh, P. C. Hammel, M. Hücker, B. Büchner, U. Ammerahl, and A. Revcolevschi	
Observation of the Josephson plasma reflectivity edge in the infrared region in Bi-based superconducting cuprates	R9269
T. Motohashi, J. Shimoyama, K. Kitazawa, K. Kishio, K. M. Kojima, S. Uchida, and S. Tajima	
Suppression and enhancement of the critical current in multiterminal superconductor–normal-metal–superconductor mesoscopic structures	R9273
R. Seviour and A. F. Volkov	

ARTICLES

Structure, structural phase transitions, mechanical properties, defects, etc.

Effect of pressure on site-symmetry distortions of Mn^{5+} and Cr^{4+} in Y_2SiO_5	9277
Yongrong Shen, Toni Riedener, and Kevin L. Bray	
Equation of state data for gold in the pressure range <10 TPa	9287
Dimitri Batani, Antonio Balducci, Daniele Beretta, Andrea Bernardinello, Thorsten Löwer, Michel Koenig, Alessandra Benuzzi, Bernard Faral, and Tom Hall	
Second metastable DX center in $\text{CdF}_2\text{:Ga}$ crystals	9295
B. Koziarska-Glinka, A. Barcz, L. Arizmendi, and A. Suchocki	
Maximum entropy method of obtaining thermodynamic properties from quantum Monte Carlo simulations	9300
Carey Huscroft, Richard Gass, and Mark Jarrell	
^{87}Rb NMR study of phase transitions below room temperature in a $\text{LiK}_{0.9}\text{Rb}_{0.1}\text{SO}_4$ mixed crystal	9307
H. J. Kim, D. Y. Jeong, B. Zalar, R. Blinc, and S. H. Choh	

Inhomogeneous, disordered, and partially ordered systems

Hubbard corrections in a tight-binding Hamiltonian for Se: Effects on the band structure, local order, and dynamics	9314
E. Lomba, D. Molina, and M. Alvarez	
Molecular-dynamics simulation of the structure and diffusion properties of liquid silicon	9322
Z. G. Zhu and C. S. Liu	
Monte Carlo simulations of the distribution of Ar and other noble-gas atoms in high-pressure solid N_2	9327
E. P. van Klaveren, J. P. J. Michels, and J. A. Schouten	
<i>Ab initio</i> based modeling of <i>i</i> -AlPdMn	9336
Alexander Quandt and Veit Elser	
Interfacial reaction, amorphization transition, and associated elastic instability studied by molecular dynamics simulations in the Ni-Ta system	9345
Q. Zhang, W. S. Lai, and B. X. Liu	
Resistive and calorimetric investigations of an insulating quasicrystal <i>i</i> -AlPdRe	9356
J. J. Préjean, J. C. Lasjaunias, C. Berger, and A. Sulpice	
Field distributions and effective-medium approximation for weakly nonlinear media	9365
Yves-Patrick Pellegrini	

(Continued)