PHYSICAL REVIEW B

For editorial and subscription correspondence, please see inside front cover
(ISSN: 0163-1829)

PERIODICALS
Postmaster send address changes to:
American Institute of Physics
500 Sunnyside Boulevard
Woodbury, NY 11797-2999

THIRD SERIES, VOLUME 57, NUMBER 13 ***CONTENTS*** **1 APRIL 1998-I**

BRIEF REPORTS

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

Bi:$SrTiO_3$: A quantum ferroelectric and a relaxor 7403
Chen Ang, Zhi Yu, P. M. Vilarinho, and J. L. Baptista

Dynamics, dynamical systems, lattice effects, quantum solids, etc.

Ab initio phonon dynamics of rhodium from a generalized supercell approach 7407
R. Heid, K.-P. Bohnen, and K. M. Ho
Scattering-mediated transmission and reflection of high-frequency phonons at a nonideal solid-solid interface 7411
A. G. Kozorezov, J. K. Wigmore, C. Erd, A. Peacock, and A. Poelaert
Low-frequency Raman scattering in normal and deuterated ice I_h 7415
A. Amoruso, P. Benassi, L. Crescentini, and V. Mazzacurati

Magnetism

Neutron-diffraction study of $CeCuGa_3$ 7419
J. M. Martin, M. R. Lees, D. McK. Paul, P. Dai, C. Ritter, and Y. J. Bi
Effective electrons and angular oscillations in quasi-one-dimensional conductors 7423
I. J. Lee and M. J. Naughton
Theory of spin waves in a ferromagnetic Kondo lattice model 7427
Xindong Wang
Characterization of the $S=1$ molecular magnetic chains 7431
Filippo Esposito and Grzegorz Kamieniarz
Evidence for the formation of the spin-glass state in U_2PdSi_3 7434
D. X. Li, Y. Shiokawa, Y. Homma, A. Uesawa, A. Dönni, T. Suzuki, Y. Haga, E. Yamamoto, T. Honma, and Y. Onuki
Antiresonant behavior of light cross section in mode crossing of spin waves in magnetic films 7438
L. Giovannini, J. M. V. Ngaboyisonga, and F. Nizzoli
Magnetic phase transitions in $CeRh_2Si_2$: Specific heat, susceptibility, and resistance studies 7442
T. Graf, M. F. Hundley, R. Modler, R. Movshovich, J. D. Thompson, D. Mandrus, R. A. Fisher, and N. E. Phillips
Oxygen isotope effects in $(La_{0.5}Nd_{0.5})_{2/3}Ca_{1/3}MnO_3$: Relevance of the electron-phonon interaction to the phase segregation 7446
M. R. Ibarra, Guo-meng Zhao, J. M. De Teresa, B. García-Landa, Z. Arnold, C. Marquina, P. A. Algarabel, H. Keller, and C. Ritter
Anisotropic magnetic phase diagram of the Kondo-lattice compound $Ce_3Pd_{20}Ge_6$: Observation of antiferromagnetic and quadrupolar ordering 7450
J. Kitagawa, N. Takeda, M. Ishikawa, T. Yoshida, A. Ishiguro, N. Kimura, and T. Komatsubara
Dynamic evolution of the magnetic anisotropy of ultrathin Co/Cu(110) films 7454
S. Hope, E. Gu, M. Tselepi, M. E. Buckley, and J. A. C. Bland

(Continued)

0163-1829(19980401)57:13;1-1