

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 78, NUMBER 10

SEPTEMBER 2008-1(II)

Resonant x-ray scattering investigation of the multipolar ordering in $\text{Ca}_3\text{Co}_2\text{O}_6$ (4 pages)	100406(R)
A. Bombardi, C. Mazzoli, S. Agrestini, and M. R. Lees	

Superfluidity and superconductivity

^{19}F NMR investigation of the iron pnictide superconductor $\text{LaFeAsO}_{0.89}\text{F}_{0.11}$ (4 pages)	100501(R)
K. Ahilan, F. L. Ning, T. Imai, A. S. Sefat, R. Jin, M. A. McGuire, B. C. Sales, and D. Mandrus	
Fermi arc in the superconducting state of impurity-doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ (4 pages)	100502(R)
T. Sato, K. Terashima, K. Nakayama, S. Souma, T. Takahashi, T. Yamamoto, and K. Kadowaki	
Pressure dependence of the oxygen isotope effect in the superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$ (4 pages)	100503(R)
N. Suresh, J. G. Storey, G. V. M. Williams, and J. L. Tallon	
Magnetic and structural transitions in layered iron arsenide systems: AFe_2As_2 versus RFeAsO (4 pages)	100504(R)
C. Krellner, N. Caroca-Canales, A. Jesche, H. Rosner, A. Ormeci, and C. Geibel	
Analysis of the spectral function of $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ obtained by angle-resolved photoemission spectroscopy (4 pages)	100505(R)
F. Schmitt, W. S. Lee, D.-H. Lu, W. Meevasana, E. Motoyama, M. Greven, and Z.-X. Shen	
Lattice and magnetic instabilities in CaFe_2As_2 : A single-crystal neutron diffraction study (4 pages)	100506(R)
A. I. Goldman, D. N. Argyriou, B. Ouladdiaf, T. Chatterji, A. Kreyssig, S. Nandi, N. Ni, S. L. Bud'ko, P. C. Canfield, and R. J. McQueeney	
Correlated pressure effects on the structure and superconductivity of $\text{LaFeAsO}_{0.9}\text{F}_{0.1}$ (4 pages)	100507(R)
G. Garbarino, P. Toulemonde, M. Álvarez-Murga, A. Sow, M. Mezouar, and M. Núñez-Regueiro	

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

Raman scattering investigation across the magnetic and metal-insulator transition in rare earth nickelate RNiO_3 ($\text{R}=\text{Sm}, \text{Nd}$) thin films (7 pages)	104101
C. Girardot, J. Kreisel, S. Pignard, N. Caillault, and F. Weiss	
Compression curves of transition metals in the Mbar range: Experiments and projector augmented-wave calculations (13 pages)	104102
Agnès Dewaele, Marc Torrent, Paul Loubeyre, and Mohamed Mezouar	
Dynamic origin of the morphotropic phase boundary: Soft modes and phase instability in $0.68\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3}\text{O}_3)-0.32\text{PbTiO}_3$ (8 pages)	104103
Hu Cao, Chris Stock, Guangyong Xu, Peter M. Gehring, Jiefang Li, and Dwight Viehland	
Fast molecular-dynamics simulation for ferroelectric thin-film capacitors using a first-principles effective Hamiltonian (11 pages)	104104
Takeshi Nishimatsu, Umesh V. Waghmare, Yoshiyuki Kawazoe, and David Vanderbilt	
Low-frequency gaps in a phononic crystal constituted of cylindrical dots deposited on a thin homogeneous plate (8 pages)	104105
Y. Pennec, B. Djafari-Rouhani, H. Larabi, J. O. Vasseur, and A. C. Hladky-Hennion	
Structural, magnetic, and optical properties of BiFeO_3 and $\text{Bi}_2\text{FeMnO}_6$ epitaxial thin films: An experimental and first-principles study (10 pages)	104106
Lei Bi, Alexander R. Taussig, Hyun-Suk Kim, Lei Wang, Gerald F. Dionne, D. Bono, K. Persson, Gerbrand Ceder, and C. A. Ross	

(Continued)

The editors and referees of PRB find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. B 77, 130001 (2008).