

RAPID COMMUNICATIONS

Structure, structural phase transitions, mechanical properties, defects

- Optical anisotropy and charge-transfer transition energies in BiFeO₃ from 1.0 to 5.5 eV (*4 pages*) 100101(R)
S. G. Choi, H. T. Yi, S.-W. Cheong, J. N. Hilfiker, R. France, and A. G. Norman

Inhomogeneous, disordered, and partially ordered systems

- Volumetric study consistent with a glass-to-liquid transition in amorphous ices under pressure (*4 pages*) 100201(R)
Markus Seidl, Michael S. Elsaesser, Katrin Winkel, Gerhard Zifferer, Erwin Mayer, and Thomas Loerting

- Deformation behavior of bulk and nanostructured metallic glasses studied via molecular dynamics simulations (*4 pages*) 100202(R)
D. Şopu, Y. Ritter, H. Gleiter, and K. Albe

Magnetism

- Thermopower and resistivity in ferromagnetic thin films near room temperature (*4 pages*) 100401(R)
A. D. Avery, Rubina Sultan, D. Bassett, D. Wei, and B. L. Zink

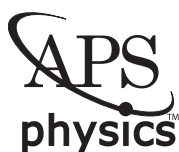
- ☞ Synthesis and characterization of single crystals of the spin- $\frac{1}{2}$ kagome-lattice antiferromagnets Zn_xCu_{4-x}(OH)₆Cl₂ (*4 pages*) 100402(R)
T. H. Han, J. S. Helton, S. Chu, A. Prodi, D. K. Singh, C. Mazzoli, P. Müller, D. G. Nocera, and Y. S. Lee

- Valence-bond crystal in the extended kagome spin- $\frac{1}{2}$ quantum Heisenberg antiferromagnet: A variational Monte Carlo approach (*4 pages*) 100404(R)
Yasir Iqbal, Federico Becca, and Didier Poilblanc

- Critical magnetization behavior of the triangular- and kagome-lattice quantum antiferromagnets (*4 pages*) 100405(R)
Tôru Sakai and Hiroki Nakano

- Spin-polarized positron annihilation measurements of polycrystalline Fe, Co, Ni, and Gd based on Doppler broadening of annihilation radiation (*4 pages*) 100406(R)
Atsuo Kawasuso, Masaki Maekawa, Yuki Fukaya, Atsushi Yabuuchi, and Izumi Mochizuki

- Dynamics of a Heisenberg spin chain in the quantum critical regime: NMR experiment versus effective field theory (*4 pages*) 100407(R)
H. Kühne, A. A. Zvyagin, M. Günther, A. P. Reyes, P. L. Kuhns, M. M. Turnbull, C. P. Landee, and H.-H. Klauss



Compact merons and skyrmions in thin chiral magnetic films (<i>4 pages</i>)	100408(R)
Motohiko Ezawa	
☞ Ferroelectricity from spin supercurrents in LiCuVO_4 (<i>4 pages</i>)	100409(R)
M. Mourigal, M. Enderle, R. K. Kremer, J. M. Law, and B. Fåk	
Structure and magnetism of the postlayered perovskite $\text{Sr}_3\text{Co}_2\text{O}_6$: A possible frustrated spin-chain material (<i>4 pages</i>)	100410(R)
X. X. Wang, J. J. Li, Y. G. Shi, Y. Tsujimoto, Y. F. Guo, S. B. Zhang, Y. Matsushita, M. Tanaka, Y. Katsuya, K. Kobayashi, K. Yamaura, and E. Takayama-Muromachi	
High-temperature interlayer magnetoresistance in $\text{La}_5\text{Mo}_4\text{O}_{16}$ (<i>4 pages</i>)	100411(R)
K. Kobayashi and T. Katsufuji	
Superfluidity and superconductivity	
Upper critical field of the pressure-induced superconductor EuFe_2As_2 (<i>4 pages</i>)	100501(R)
Nobuyuki Kurita, Motoi Kimata, Kota Kodama, Atsushi Harada, Megumi Tomita, Hiroyuki S. Suzuki, Takehiko Matsumoto, Keizo Murata, Shinya Uji, and Taichi Terashima	
☞ Nodeless two-gap superconducting state in single crystals of the stoichiometric iron pnictide LiFeAs (<i>4 pages</i>)	100502(R)
H. Kim, M. A. Tanatar, Yoo Jang Song, Yong Seung Kwon, and R. Prozorov	
Optical investigations of chemically pressurized $\text{EuFe}_2(\text{As}_{1-x}\text{P}_x)_2$: An <i>s</i> -wave superconductor with strong interband interactions (<i>4 pages</i>)	100503(R)
D. Wu, G. Chanda, H. S. Jeevan, P. Gegenwart, and M. Dressel	
Suppression of time-reversal symmetry breaking superconductivity in $\text{Pr}(\text{Os}_{1-x}\text{Ru}_x)_4\text{Sb}_{12}$ and $\text{Pr}_{1-y}\text{La}_y\text{Os}_4\text{Sb}_{12}$ (<i>4 pages</i>)	100504(R)
Lei Shu, W. Higemoto, Y. Aoki, A. D. Hillier, K. Ohishi, K. Ishida, R. Kadono, A. Koda, O. O. Bernal, D. E. MacLaughlin, Y. Tunashima, Y. Yonezawa, S. Sanada, D. Kikuchi, H. Sato, H. Sugawara, T. U. Ito, and M. B. Maple	
Competition between electron-phonon coupling and spin fluctuations in superconducting hole-doped CuBiSO (<i>4 pages</i>)	100505(R)
Luciano Ortenzi, Silke Biermann, Ole Krogh Andersen, I. I. Mazin, and Lilia Boeri	
Proposed Giaever transformer to probe the pseudogap phase of cuprates (<i>4 pages</i>)	100506(R)
Alex Levchenko and M. R. Norman	
☞ Bose-Einstein condensation in liquid ^4He under pressure (<i>4 pages</i>)	100507(R)
H. R. Glyde, S. O. Diallo, R. T. Azuah, O. Kirichek, and J. W. Taylor	
Effect of the pseudogap on the universal limits of the electrical and thermal conductivities of underdoped cuprates (<i>4 pages</i>)	100508(R)
J. P. Carbotte	
Role of nematic fluctuations in the thermal melting of pair-density-wave phases in two-dimensional superconductors (<i>4 pages</i>)	100509(R)
Daniel G. Barci and Eduardo Fradkin	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 83, NUMBER 10

MARCH 2011-1(II)

☞ Coherent generation of phonon-polaritons in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ intrinsic Josephson junctions (<i>4 pages</i>)	100510(R)
Sven-Olof Katterwe, Holger Motzkau, Andreas Rydh, and Vladimir M. Krasnov	
☞ Thermal phase transitions in the attractive extended Bose-Hubbard model with three-body constraint (<i>4 pages</i>)	100511(R)
Kwai-Kong Ng and Min-Fong Yang	
☞ Conductance and noise signatures of Majorana backscattering (<i>4 pages</i>)	100512(R)
Suk Bum Chung, Xiao-Liang Qi, Joseph Maciejko, and Shou-Cheng Zhang	
Anisotropic phase diagram and superconducting fluctuations of single-crystalline $\text{SmFeAsO}_{0.85}\text{F}_{0.15}$ (<i>4 pages</i>)	100513(R)
U. Welp, C. Chaparro, A. E. Koshelev, W. K. Kwok, A. Rydh, N. D. Zhigadlo, J. Karpinski, and S. Weyeneth	
☞ Anisotropic H_{c2} of $\text{K}_{0.8}\text{Fe}_{1.76}\text{Se}_2$ determined up to 60 T (<i>4 pages</i>)	100514(R)
E. D. Mun, M. M. Altarawneh, C. H. Mielke, V. S. Zapf, R. Hu, S. L. Bud'ko, and P. C. Canfield	
☞ <i>d</i> -wave pairing from spin fluctuations in the $\text{K}_x\text{Fe}_{2-y}\text{Se}_2$ superconductors (<i>4 pages</i>)	100515(R)
T. A. Maier, S. Graser, P. J. Hirschfeld, and D. J. Scalapino	

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

Effect of core energy on mobility in a continuum dislocation model (<i>10 pages</i>)	104101
Dong Wook Lee, Hojin Kim, Alejandro Strachan, and Marisol Koslowski	
Ultraprecise studies of the thermal expansion coefficient of diamond using backscattering x-ray diffraction (<i>7 pages</i>)	104102
Stanislav Stoupin and Yuri V. Shvyd'ko	
Homogenization of periodic elastic composites and locally resonant sonic materials (<i>8 pages</i>)	104103
Sia Nemat-Nasser, John R. Willis, Ankit Srivastava, and Alireza V. Amirkhizi	
Pressure-driven changes in electronic structure of BiCoO_3 (<i>6 pages</i>)	104104
Sudipta Kanungo and T. Saha-Dasgupta	
Structural transformation in magnetite below the Verwey transition (<i>7 pages</i>)	104105
Javier Blasco, Joaquín García, and Gloria Subías	
Pressure-induced structural transitions in europium to 92 GPa (<i>8 pages</i>)	104106
W. Bi, Y. Meng, R. S. Kumar, A. L. Cornelius, W. W. Tipton, R. G. Hennig, Y. Zhang, C. Chen, and J. S. Schilling	
First-principles study of defect behavior in irradiated uranium monocarbide (<i>12 pages</i>)	104107
R. Ducher, R. Dubourg, M. Barrachin, and A. Pasturel	
Direct correlation between strengthening mechanisms and electrical noise in strained copper wires (<i>5 pages</i>)	104108
Natalia Bellido, Alain Pautrat, Clement Keller, and Eric Hug	
Thermally activated avalanches: Jamming and the progression of needle domains (<i>8 pages</i>)	104109
E. K. H. Salje, X. Ding, Z. Zhao, T. Lookman, and A. Saxena	

(Continued)

Defect energetics in SrTiO ₃ symmetric tilt grain boundaries (<i>10 pages</i>)	104110
H.-S. Lee, T. Mizoguchi, J. Mistui, T. Yamamoto, S.-J. L. Kang, and Y. Ikuhara	
Inhomogeneous, disordered, and partially ordered systems	
Experimental observation of locally-resonant and Bragg band gaps for surface guided waves in a phononic crystal of pillars (<i>5 pages</i>)	104201
Younes Achaoui, Abdelkrim Khelif, Sarah Benchabane, Laurent Robert, and Vincent Laude	
Ising <i>M-p</i> -spin mean-field model for the structural glass: Continuous versus discontinuous transition (<i>8 pages</i>)	104202
F. Caltagirone, U. Ferrari, L. Leuzzi, G. Parisi, and T. Rizzo	
Unified cluster expansion method applied to the configurational thermodynamics of cubic Ti _{1-x} Al _x N (<i>8 pages</i>)	104203
B. Alling, A. V. Ruban, A. Karimi, L. Hultman, and I. A. Abrikosov	
☞ Neutron scattering experiments on liquid droplets using electrostatic levitation (<i>9 pages</i>)	104205
T. Kordel, D. Holland-Moritz, F. Yang, J. Peters, T. Unruh, T. Hansen, and A. Meyer	
Dynamics, dynamical systems, lattice effects:	
Laser-controlled switching of molecular arrays in an dissipative environment (<i>9 pages</i>)	104301
Gereon Floß, Tillmann Klamroth, and Peter Saalfrank	
Temporal evolution of mesoscopic structure of some non-Euclidean systems using a Monte Carlo model (<i>11 pages</i>)	104302
T. Mazumdar, S. Mazumder, and D. Sen	
Magnetism	
Magnetic and crystal structure of azurite Cu ₃ (CO ₃) ₂ (OH) ₂ as determined by neutron diffraction (<i>8 pages</i>)	104401
K. C. Rule, M. Reehuis, M. C. R. Gibson, B. Ouladdiaf, M. J. Gutmann, J.-U. Hoffmann, S. Gerischer, D. A. Tennant, S. Süllo, and M. Lang	
Tuning of chaotic surface spin waves in a magnetic-film feedback ring via the ring gain (<i>5 pages</i>)	104402
Aaron Hagerstrom, Mingzhong Wu, Richard Eykholt, and Boris A. Kalinikos	
NdRhSn: A ferromagnet with an antiferromagnetic precursor (<i>10 pages</i>)	104403
M. Mihalik, J. Prokleška, J. Kamarád, K. Prokeš, O. Isnard, G. J. McIntyre, A. Dönni, S. Yoshii, H. Kitazawa, V. Sechovský, and F. R. de Boer	
☞ Critical behavior in the inhomogeneous ferromagnet SrFe _{0.80} Co _{0.20} O _{3.0} (<i>9 pages</i>)	104404
J. Lago, M. J. Rosseinsky, S. J. Blundell, P. D. Battle, M. Diaz, I. Uriarte, and T. Rojo	
Field theory for a fermionic ladder with generic intrachain interactions (<i>13 pages</i>)	104405
A. M. Tsvelik	
Microwave magnetoelectric coupling and ferromagnetic resonance frequency tuning of a Co ₂ MnSb/GaAs/PZN-PT heterostructure (<i>9 pages</i>)	104406
Yajie Chen, Aria Yang, Moti R. Paudel, Shane Stadler, C. Vittoria, and V. G. Harris	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 83, NUMBER 10

MARCH 2011-1(II)

Dielectric measurements via a phase-resolved spintronic technique (7 pages)	104407
X. F. Zhu, M. Harder, A. Wirthmann, B. Zhang, W. Lu, Y. S. Gui, and C.-M. Hu	
NMR study of magnetic order, metamagnetic transitions, and low-temperature spin freezing in $\text{Ca}_3\text{Co}_2\text{O}_6$ (12 pages)	104408
G. Allodi, R. De Renzi, S. Agrestini, C. Mazzoli, and M. R. Lees	
Looking for quantum effects in magnetic nanoparticles using the molecular nanomagnet approach (10 pages)	104409
M. Fittipaldi, C. Innocenti, P. Ceci, C. Sangregorio, L. Castelli, L. Sorace, and D. Gatteschi	
Pressure-induced half-metallic gap transformation in Co_2MnSi observed by tunneling conductance spectroscopy (6 pages)	104410
M. Nobori, T. Nakano, J. Hasegawa, G. Oomi, Y. Sakuraba, K. Takanashi, Y. Miura, Y. Ohdaira, and Y. Ando	
Topological disentangler for the valence-bond-solid chain (4 pages)	104411
Kouichi Okunishi	
Effect of annealing on $\text{Co}_2\text{FeAl}_{0.5}\text{Si}_{0.5}$ thin films: A magneto-optical and x-ray absorption study (10 pages)	104412
Simon Trudel, Georg Wolf, Jaroslav Hamrle, Burkard Hillebrands, Peter Klaer, Michael Kallmayer, Hans-Joachim Elmers, Hiroaki Sukegawa, Wenhong Wang, and Koichiro Inomata	
Influence of surface ligands on the electronic structure of Fe-Pt clusters: A density functional theory study (10 pages)	104413
Thuy T Trinh, Taisuke Ozaki, and Shinya Maenosono	
Effect of Co substitution on the magnetic order in $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ single crystals studied by neutron diffraction (10 pages)	104414
K. Prokeš, S. Mat'aš, L. Harnagea, S. Singh, S. Wurmehl, D. N. Argyriou, and B. Büchner	
Spiral ground state in the quasi-two-dimensional spin- $\frac{1}{2}$ system Cu_2GeO_4 (7 pages)	104415
Alexander A. Tsirlin, Ronald Zinke, Johannes Richter, and Helge Rosner	
Magnetoelectric coupling in MnTiO_3 (6 pages)	104416
N. Mufti, G. R. Blake, M. Mostovoy, S. Riyadi, A. A. Nugroho, and T. T. M. Palstra	
Driving magnetization perpendicular by antiferromagnetic-ferromagnetic exchange coupling (10 pages)	104417
B. Y. Wang, N. Y. Jih, W. C. Lin, C. H. Chuang, P. J. Hsu, C. W. Peng, Y. C. Yeh, Y. L. Chan, D. H. Wei, W. C. Chiang, and Minn-Tsong Lin	
Origin of magnetism and trend in T_c in Cr-based double perovskites: Interplay of two driving mechanisms (5 pages)	104418
Hena Das, Prabuddha Sanyal, T. Saha-Dasgupta, and D. D. Sarma	
Effect of Si doping and applied pressure upon magnetostructural properties of $\text{Tb}_5(\text{Si}_x\text{Ge}_{1-x})_4$ magnetocaloric compounds (7 pages)	104419
Yuan-Chieh Tseng, Hao-Jhong Ma, Chao-Yao Yang, Yaroslav Mudryk, Vitalij K. Pecharsky, Karl A. Gschneidner Jr., Narcizo M. Souza-Neto, and Daniel Haskel	
Ferromagnetism of Pt nanoparticles induced by surface chemisorption (13 pages)	104420
Yasuhiro Sakamoto, Yojiro Oba, Hideyuki Maki, Masayuki Suda, Yasuaki Einaga, Tetsuya Sato, Masaichiro Mizumaki, Naomi Kawamura, and Motohiro Suzuki	

(Continued)

Hyperfine interactions in MnAs studied by perturbed angular correlations of γ -rays using the probe $\text{Br}^{77} \rightarrow \text{Se}^{77}$ and first-principles calculations for MnAs and other Mn pnictides (<i>11 pages</i>)	104421
J. N. Gonçalves, V. S. Amaral, J. G. Correia, and A. M. L. Lopes	
Current-induced dynamics of composite free layer with antiferromagnetic interlayer exchange coupling (<i>10 pages</i>)	104422
P. Baláz and J. Barnás	
Numerical study of critical properties and hidden orders in dimerized spin ladders (<i>7 pages</i>)	104423
Sandra J. Gibson, R. Meyer, and Gennady Y. Chitov	
Effect of substitution of Y on the structural, magnetic, and thermal properties of hexagonal DyMnO_3 single crystals (<i>7 pages</i>)	104424
Harikrishnan S. Nair, C. M. N. Kumar, H. L. Bhat, Suja Elizabeth, and Th. Brückel	
Structural characterization of magnetic nanostripes by fast domain wall injection (<i>7 pages</i>)	104425
José L. Prieto, Manuel Muñoz, and Eduardo Martínez	
Helical spin waves, magnetic order, and fluctuations in the langasite compound $\text{Ba}_3\text{NbFe}_3\text{Si}_2\text{O}_{14}$ (<i>15 pages</i>)	104426
C. Stock, L. C. Chapon, A. Schneidewind, Y. Su, P. G. Radaelli, D. F. McMorrow, A. Bombardi, N. Lee, and S.-W. Cheong	
Superfluidity and superconductivity	
Electronic band structure, Fermi surface, and elastic properties of polymorphs of the 5.2 K iron-free superconductor SrPt_2As_2 from first-principles calculations (<i>9 pages</i>)	104501
I. R. Shein and A. L. Ivanovskii	
Three energy scales characterizing the competing pseudogap state, the incoherent, and the coherent superconducting state in high- T_c cuprates (<i>6 pages</i>)	104502
Y. Okada, T. Kawaguchi, M. Ohkawa, K. Ishizaka, T. Takeuchi, S. Shin, and H. Ikuta	
Superconducting to spin-glass state transformation in β -pyrochlore $\text{K}_x\text{Os}_2\text{O}_6$ (<i>7 pages</i>)	104503
C. C. Lee, W. L. Lee, J. -Y. Lin, C. C. Tsuei, J. G. Lin, and F. C. Chou	
Evidence for competing magnetic instabilities in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ (<i>8 pages</i>)	104504
V. Balédent, D. Haug, Y. Sidis, V. Hinkov, C. T. Lin, and P. Bourges	
Damping of de Haas-van Alphen oscillations and vortex-lattice disorder in the peak-effect region of extreme type-II borocarbide superconductors (<i>5 pages</i>)	104505
A. Maniv, T. Maniv, V. Zhuravlev, B. Bergk, J. Wosnitzer, A. Köhler, G. Behr, P. C. Canfield, and J. E. Sonier	
 Stripe order in superconducting $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$ ($0.095 \leq x \leq 0.155$) (<i>16 pages</i>)	104506
M. Hücker, M. v. Zimmermann, G. D. Gu, Z. J. Xu, J. S. Wen, Guangyong Xu, H. J. Kang, A. Zheludev, and J. M. Tranquada	
Metastability in a nanobridge-based hysteretic dc SQUID embedded in a superconducting microwave resonator (<i>13 pages</i>)	104507
Eran Segev, Oren Suchoi, Oleg Shtempluck, Fei Xue, and Eyal Buks	
 ^{77}Se NMR investigation of the $\text{K}_x\text{Fe}_{2-y}\text{Se}_2$ high- T_c superconductor ($T_c = 33$ K) (<i>9 pages</i>)	104508
D. A. Torchetti, M. Fu, D. C. Christensen, K. J. Nelson, T. Imai, H. C. Lei, and C. Petrovic	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 83, NUMBER 10

MARCH 2011-1(II)

Spatially resolved measurement of nonequilibrium quasiparticle relaxation in superconducting Al (7 pages)	104509
K. Yu. Arutyunov, H.-P. Auraneva, and A. S. Vasenko	
Superfluid density measurements of Ba(Co _x Fe _{1-x}) ₂ As ₂ films near optimal doping (5 pages)	104510
Jie Yong, S. Lee, J. Jiang, C. W. Bark, J. D. Weiss, E. E. Hellstrom, D. C. Larbalestier, C. B. Eom, and T. R. Lemberger	
Superconducting energy gap in MgCNi ₃ single crystals: Point-contact spectroscopy and specific-heat measurements (7 pages)	104511
Z. Pribulová, J. Kačmarčík, C. Marcenat, P. Szabó, T. Klein, A. Demuer, P. Rodiere, D. J. Jang, H. S. Lee, H. G. Lee, S.-I. Lee, and P. Samuely	
Renormalized mean-field <i>t</i> - <i>J</i> model of high- <i>T_c</i> superconductivity: Comparison to experiment (7 pages)	104512
Jakub Jędrak and Jozef Spałek	
Proposed Aharonov-Casher interference measurement of non-Abelian vortices in chiral <i>p</i> -wave superconductors (7 pages)	104513
Eytan Grosfeld, Babak Seradjeh, and Smitha Vishveshwara	
Determination of anisotropic pinning force by measuring critical current density in an inclined magnetic field (7 pages)	104514
G. P. Mikitik and E. H. Brandt	
Excitation spectrum of a two-dimensional long-range Bose liquid with supersymmetry (5 pages)	104515
E. V. Mozgunov and M. V. Feigel'man	
Effects of the Fermi-surface shrinking on the optical sum rule in pnictides (10 pages)	104516
L. Benfatto and E. Cappelluti	
Pseudogap phase in strongly disordered conventional superconductors (7 pages)	104517
X. T. Wu and R. Ikeda	
Cutoff parameter of the field distribution in the mixed state of iron pnictides with <i>s</i> _± and <i>s</i> ₊₊ pairing symmetries (5 pages)	104518
P. Belova, M. Safonchik, K. B. Traito, and E. Lähderanta	
Superconducting order parameter in nonmagnetic borocarbides <i>R</i> Ni ₂ B ₂ C (<i>R</i> = Y, Lu) probed by point-contact Andreev reflection spectroscopy (10 pages)	104519
X. Lu, W. K. Park, S. Yeo, K.-H. Oh, S.-I. Lee, S. L. Bud'ko, P. C. Canfield, and L. H. Greene	
Suppression of geometrical barrier in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} crystals by Josephson vortex stacks (9 pages)	104520
Y. Segev, I. Gutman, S. Goldberg, Y. Myasoedov, E. Zeldov, E. H. Brandt, G. P. Mikitik, T. Katagiri, and T. Sasagawa	
Nonequilibrium effects in a Josephson junction coupled to a precessing spin (18 pages)	104521
C. Holmqvist, S. Teber, and M. Fogelström	
Counting Majorana zero modes in superconductors (19 pages)	104522
Luiz Santos, Yusuke Nishida, Claudio Chamon, and Christopher Mudry	

(Continued)

Superconducting gap function in the organic superconductor (TMTSF) ₂ ClO ₄ with anion ordering; First-principles calculations and quasiclassical analysis for angle-resolved heat capacity (<i>8 pages</i>)	104523
Yuki Nagai, Hiroki Nakamura, and Masahiko Machida	
Vortex states in layered mesoscopic superconductors (<i>10 pages</i>)	104524
Chao-Yu Liu, G. R. Berdiyorov, and M. V. Milošević	
Electronic structure of YbGa _{1.15} Si _{0.85} and YbGa _x Ge _{2-x} probed by resonant x-ray emission and photoelectron spectroscopies (<i>10 pages</i>)	104525
Hitoshi Yamaoka, Ignace Jarrige, Naohito Tsujii, Motoharu Imai, Jung-Fu Lin, Masaharu Matsunami, Ritsuko Eguchi, Masashi Arita, Kenya Shimada, Hirofumi Namatame, Masaki Taniguchi, Munetaka Taguchi, Yasunori Senba, Haruhiko Ohashi, Nozomu Hiraoka, Hirofumi Ishii, and Ku-Ding Tsuei	
 ⁵⁷ Fe Mössbauer study of magnetic ordering in superconducting K _{0.80} Fe _{1.76} Se _{2.00} single crystals (<i>6 pages</i>)	104526
D. H. Ryan, W. N. Rowan-Weetaluktuk, J. M. Cadogan, R. Hu, W. E. Straszheim, S. L. Bud'ko, and P. C. Canfield	

ERRATA

Erratum: Long-range odd triplet order parameter with equal spin pairing in diffusive Co/In contacts [Phys. Rev. B 80 , 220512 (2009)] (<i>1 page</i>)	109901(E)
B. Almog, S. Hachohen-Gourgy, A. Tsukernik, and G. Deutscher	
Publisher's Note: Hall coefficient in the ground state of stripe-ordered La _{2-x} Ba _x CuO ₄ single crystals [Phys. Rev. B 83 , 060506(R) (2011)] (<i>1 page</i>)	109902(E)
Tadashi Adachi, Nobuyoshi Kitajima, and Yoji Koike	
Publisher's Note: Nodeless two-gap superconducting state in single crystals of the stoichiometric iron pnictide LiFeAs [Phys. Rev. B 83 , 100502(R) (2011)] (<i>1 page</i>)	109903(E)
H. Kim, M. A. Tanatar, Yoo Jang Song, Yong Seung Kwon, and R. Prozorov	
Publisher's Note: Understanding complex magnetic order in disordered cobalt hydroxides through analysis of the local structure [Phys. Rev. B 83 , 094418 (2011)] (<i>1 page</i>)	109904(E)
James R. Neilson, Daniel E. Morse, Brent C. Melot, Daniel P. Shoemaker, Joshua A. Kurzman, and Ram Seshadri	
Publisher's Note: Vortex-vortex interaction in bulk superconductors: Ginzburg-Landau theory [Phys. Rev. B 83 , 054516 (2011)] (<i>1 page</i>)	109905(E)
Andrey Chaves, F. M. Peeters, G. A. Farias, and M. V. Milošević	