

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 93, NUMBER 3

JANUARY 2016-15(I)

Erratum: Third-order nonlinearity of graphene: Effects of phenomenological relaxation and finite temperature [Phys. Rev. B 91 , 235320 (2015)] (<i>1 page</i>)	039904(E)
J. L. Cheng, N. Vermeulen, and J. E. Sipe	
Erratum: Wire deconstructionism of two-dimensional topological phases [Phys. Rev. B 90 , 205101 (2014)] (<i>1 page</i>)	039905(E)
Titus Neupert, Claudio Chamon, Christopher Mudry, and Ronny Thomale	
Publisher's Note: Interplay between tightly focused excitation and ballistic propagation of polariton condensates in a ZnO microcavity [Phys. Rev. B 92 , 235308 (2015)] (<i>1 page</i>)	039906(E)
R. Hahe, C. Brimont, P. Valvin, T. Guillet, F. Li, M. Leroux, J. Zuniga-Perez, X. Lafosse, G. Patriarche, and S. Bouchoule	

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 93, NUMBER 3

JANUARY 2016-15(I)

Control of valley degeneracy in MoS ₂ by layer thickness and electric field and its effect on thermoelectric properties (6 pages)	035445
Jisook Hong, Changhoon Lee, Jin-Seong Park, and Ji Hoon Shim	
Electronic transport in graphene nanoribbons with sublattice-asymmetric doping (7 pages)	035446
Thomas Aktor, Antti-Pekka Jauho, and Stephen R. Power	
Structural phase field crystal approach for modeling graphene and other two-dimensional structures (8 pages) . . .	035447
Matthew Seymour and Nikolas Provatas	
Surface structure determination of black phosphorus using photoelectron diffraction (5 pages)	035448
Luis Henrique de Lima, Lucas Barreto, Richard Landers, and Abner de Siervo	
Anomalous band inversion protected by symmetry in a topological insulator of the Kane-Mele model (5 pages)	035449
Jie-Xiang Yu and J. G. Che	
Effects of adatoms and physisorbed molecules on the physical properties of antimonene (8 pages)	035450
O. Üzengi Aktürk, E. Aktürk, and S. Ciraci	
Observing spin excitations in 3d transition-metal adatoms on Pt(111) with inelastic scanning tunneling spectroscopy: A first-principles perspective (9 pages)	035451
Benedikt Schweflinghaus, Manuel dos Santos Dias, and Samir Lounis	
Low-energy theory for the graphene twist bilayer (15 pages)	035452
D. Weckbecker, S. Shallcross, M. Fleischmann, N. Ray, S. Sharma, and O. Pankratov	
Smooth gauge and Wannier functions for topological band structures in arbitrary dimensions (13 pages)	035453
Georg W. Winkler, Alexey A. Soluyanov, and Matthias Troyer	
Generalized Landau level representation: Effect of static screening in the quantum Hall effect in graphene (15 pages)	035454
Igor A. Shovkovy and Lifang Xia	
Negative compressibility in graphene-terminated black phosphorus heterostructures (5 pages)	035455
Yingying Wu, Xiaolong Chen, Zefei Wu, Shuigang Xu, Tianyi Han, Jiangxiazhi Lin, Brain Skinner, Yuan Cai, Yuheng He, Chun Cheng, and Ning Wang	
Pseudomagnetic fields and triaxial strain in graphene (8 pages)	035456
Mikkel Settnes, Stephen R. Power, and Antti-Pekka Jauho	

ERRATA

Erratum: Quantitatively analyzing phonon spectral contribution of thermal conductivity based on nonequilibrium molecular dynamics simulations. II. From time Fourier transform [Phys. Rev. B 92 , 195205 (2015)] (1 page)	039901(E)
Yanguang Zhou and Ming Hu	
Publisher's Note: Tuning of the electron <i>g</i> factor in defect-free GaAs nanodisks [Phys. Rev. B 92 , 245423 (2015)] (1 page)	039902(E)
Li-Wei Yang, Yi-Chia Tsai, Yiming Li, Akio Higo, Akihiro Murayama, S. Samukawa, and O. Voskoboinikov	
Publisher's Note: Spin-lattice coupling across the singular magnetostructural transition in Pr _{0.5} Sr _{0.5} CoO ₃ by x-ray magnetic circular dichroism [Phys. Rev. B 92 , 245136 (2015)] (1 page)	039903(E)
J. Padilla-Pantoja, J. Herrero-Martín, E. Pellegrin, P. Gargiani, S. M. Valvidares, A. Barla, and J. L. García-Muñoz	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 93, NUMBER 3

JANUARY 2016-15(I)

Prediction of two-dimensional topological insulator by forming a surface alloy on Au/Si(111) substrate (<i>5 pages</i>)	035429
Feng-Chuan Chuang, Chia-Hsiu Hsu, Hsin-Lei Chou, Christian P. Crisostomo, Zhi-Quan Huang, Shih-Yu Wu, Chien-Cheng Kuo, Wang-Chi V. Yeh, Hsin Lin, and Arun Bansil	
Decoherence of a single spin coupled to an interacting spin bath (<i>11 pages</i>)	035430
Ning Wu, Nina Fröhling, Xi Xing, Johannes Hackmann, Arun Nanduri, Frithjof B. Anders, and Herschel Rabitz	
Edge states, spin transport, and impurity-induced local density of states in spin-orbit coupled graphene (<i>18 pages</i>)	035431
Ranjani Seshadri, K. Sengupta, and Diptiman Sen	
Doping-dependent intraband carrier dynamics in Landau-quantized graphene (<i>5 pages</i>)	035432
Florian Wendler and Ermin Malic	
Effect of atomic-scale defects and dopants on phosphorene electronic structure and quantum transport properties (<i>10 pages</i>)	035433
Alejandro Lopez-Bezanilla	
Exploring stereographic surface energy maps of cubic metals via an effective pair-potential approach (<i>8 pages</i>)	035434
Su-Hyun Yoo, Ji-Hwan Lee, Young-Kwang Jung, and Aloysius Soon	
Resonant second-harmonic generation in a ballistic graphene transistor with an ac-driven gate (<i>12 pages</i>)	035435
Y. Korniyenko, O. Shevtsov, and T. Löfwander	
Phonon emission and arrival times of electrons from a single-electron source (<i>11 pages</i>)	035436
C. Emary, A. Dyson, Sungguen Ryu, H.-S. Sim, and M. Kataoka	
Spilling of electronic states in Pb quantum wells (<i>6 pages</i>)	035437
M. Jałochowski, K. Palotás, and M. Krawiec	
Large near-to-far field spectral shifts for terahertz resonances (<i>7 pages</i>)	035438
Arkabrata Bhattacharya, Giorgos Georgiou, Simon Sawallich, Christopher Matheisen, Michael Nagel, and Jaime Gómez Rivas	
Effective Dirac Hamiltonian for anisotropic honeycomb lattices: Optical properties (<i>8 pages</i>)	035439
M. Oliva-Leyva and Gerardo G. Naumis	
Dielectric screening and plasmon resonances in bilayer graphene (<i>9 pages</i>)	035440
M. Pizarra, A. Sindona, M. Gravina, V. M. Silkin, and J. M. Pitarke	
Quantum phase transitions detected by a local probe using time correlations and violations of Leggett-Garg inequalities (<i>10 pages</i>)	035441
F. J. Gómez-Ruiz, J. J. Mendoza-Arenas, F. J. Rodríguez, C. Tejedor, and L. Quiroga	
Two-dimensional transition metal dichalcogenides with a hexagonal lattice: Room-temperature quantum spin Hall insulators (<i>7 pages</i>)	035442
Yandong Ma, Liangzhi Kou, Xiao Li, Ying Dai, and Thomas Heine	
Classical and quantum aspects of spin interaction in 3d chains on a Cu ₃ N-Cu(110) molecular network (<i>9 pages</i>)	035444
D. I. Bazhanov, O. V. Stepanyuk, O. V. Farberovich, and V. S. Stepanyuk	

(Continued)

Comprehensive description of blinking-dynamics regimes in single direct-band-gap silicon nanocrystals (<i>13 pages</i>)	035412
Kateřina Kůsová, Ivan Pelant, Jana Humpolíčková, and Martin Hof	
Friedel oscillations at the surfaces of rhombohedral <i>N</i> -layer graphene (<i>20 pages</i>)	035413
C. Dutreix and M. I. Katsnelson	
First-principles method for electron-phonon coupling and electron mobility: Applications to two-dimensional materials (<i>14 pages</i>)	035414
Tue Gunst, Troels Markussen, Kurt Stokbro, and Mads Brandbyge	
Plasma-graphene interaction and its effects on nanoscale patterning (<i>10 pages</i>)	035416
Abhilash Harpale, Marco Panesi, and Huck Beng Chew	
Valley-dependent spin-orbit torques in two-dimensional hexagonal crystals (<i>8 pages</i>)	035417
Hang Li, Xuhui Wang, and Aurélien Manchon	
Engineering the emission of light from a scanning tunneling microscope using the plasmonic modes of a nanoparticle (<i>7 pages</i>)	035418
Eric Le Moal, Sylvie Marguet, Damien Canneson, Benoît Rogez, Elizabeth Boer-Duchemin, Gérald Dujardin, Tatiana V. Teperik, Dana-Codruta Marinica, and Andrey G. Borisov	
Strong coupling regime in coherent electron transport in periodic quantum nanostructures (<i>6 pages</i>)	035419
L. S. Petrosyan and T. V. Shahbazyan	
Robust quantum coherence above the Fermi sea (<i>4 pages</i>)	035420
S. Tewari, P. Roulleau, C. Grenier, F. Portier, A. Cavanna, U. Gennser, D. Mailly, and P. Roche	
Relaxation of an electron wave packet at the quantum Hall edge at filling factor $\nu = 2$ (<i>13 pages</i>)	035421
Artur O. Slobodeniuk, Edvin G. Idrisov, and Eugene V. Sukhorukov	
 Klein tunneling and supercollimation of pseudospin-1 electromagnetic waves (<i>10 pages</i>)	035422
A. Fang, Z. Q. Zhang, Steven G. Louie, and C. T. Chan	
Shaped electric fields for fast optimal manipulation of electron spin and position in a double quantum dot (<i>9 pages</i>)	035423
J. A. Budagosky, D. V. Khomitsky, E. Ya. Sherman, and Alberto Castro	
Thermal effects on van der Waals adhesive forces (<i>5 pages</i>)	035424
A. V. Pinon, M. Wiercz-Kien, A. D. Craciun, N. Beyer, J. L. Gallani, and M. V. Rastei	
Equilibrium free energy measurement of a confined electron driven out of equilibrium (<i>5 pages</i>)	035425
A. Hofmann, V. F. Maisi, C. Rössler, J. Basset, T. Krähenmann, P. Märki, T. Ihn, K. Ensslin, C. Reichl, and W. Wegscheider	
Tunable and long-range energy transfer efficiency through a graphene nanodisk (<i>18 pages</i>)	035426
Vasilios D. Karanikolas, Cristian A. Marocico, and A. Louise Bradley	
Hierarchy of gaps and magnetic minibands in graphene in the presence of the Abrikosov vortex lattice (<i>5 pages</i>)	035427
Xi Chen and Vladimir I. Fal'ko	
Thermal energy transport in a surface phonon-polariton crystal (<i>5 pages</i>)	035428
Jose Ordóñez-Miranda, Laurent Tranchant, Karl Joulain, Younes Ezzahri, Jérémie Drevillon, and Sebastian Volz	

(Continued)

 Anisotropy of electron and hole g tensors of quantum dots: An intuitive picture based on spin-correlated orbital currents (<i>10 pages</i>)	035311
J. van Bree, A. Yu. Silov, M. L. van Maasakkers, C. E. Pryor, M. E. Flatté, and P. M. Koenraad	
Statistics of an adiabatic charge pump (<i>8 pages</i>)	035312
Hari Kumar Yadalam and Upendra Harbola	
Scanning tunneling microscopy contrast of isovalent impurities on the GaAs (110) surface explained with a geometrical model (<i>10 pages</i>)	035313
F. J. Tilley, Mervyn Roy, P. A. Maksym, P. M. Koenraad, C. M. Krammel, and J. M. Ulloa	
Role of thermalizing and nonthermalizing walls in phonon heat conduction along thin films (<i>10 pages</i>)	035314
Navaneetha K. Ravichandran and Austin J. Minnich	
Incoherent control of topological charges in nonequilibrium polariton condensates (<i>5 pages</i>)	035315
Xuekai Ma, Ulf Peschel, and Oleg A. Egorov	
Surface physics, nanoscale physics, low-dimensional systems	
 Dirac cones beyond the honeycomb lattice: A symmetry-based approach (<i>8 pages</i>)	035401
Guido van Miert and Cristiane Morais Smith	
Long-range photon-mediated gate scheme between nuclear spin qubits in diamond (<i>8 pages</i>)	035402
Adrian Auer and Guido Burkard	
Role of the kinematics of probing electrons in electron energy-loss spectroscopy of solid surfaces (<i>7 pages</i>)	035403
V. U. Nazarov, V. M. Silkin, and E. E. Krasovskii	
Plasmon dissipation in gapped graphene open systems at finite temperature (<i>11 pages</i>)	035404
Andrii Iurov, Godfrey Gumbs, Danhong Huang, and V. M. Silkin	
Persistent quantum resonance transition in spin Hall transport (<i>6 pages</i>)	035405
Kuo-Chin Chen, Hsin-Han Lee, and Ching-Ray Chang	
Quantum magnetotransport properties of a MoS ₂ monolayer (<i>9 pages</i>)	035406
M. Tahir, P. Vasilopoulos, and F. M. Peeters	
Quantum Vavilov-Cherenkov radiation from shearing two transparent dielectric plates (<i>8 pages</i>)	035407
A. I. Volokitin and B. N. J. Persson	
Temperature-dependent thermal conductivity in silicon nanostructured materials studied by the Boltzmann transport equation (<i>7 pages</i>)	035408
Giuseppe Romano, Keivan Esfarjani, David A. Strubbe, David Broido, and Alexie M. Kolpak	
High-fidelity ac gate operations of a three-electron double quantum dot qubit (<i>16 pages</i>)	035409
Clement H. Wong	
Enhancement of four-wave mixing via interference of multiple plasmonic conversion paths (<i>6 pages</i>)	035410
Shailendra K. Singh, M. Kurtulus Abak, and Mehmet Emre Tasgin	
Observation and analysis of Fano-like lineshapes in the Raman spectra of molecules adsorbed at metal interfaces (<i>6 pages</i>)	035411
S. Dey, M. Banik, E. Hulkko, K. Rodriguez, V. A. Apkarian, M. Galperin, and A. Nitzan	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 93, NUMBER 3

JANUARY 2016-15(I)

Magnetization process of the n -type ferromagnetic semiconductor (In,Fe)As:Be studied by x-ray magnetic circular dichroism (<i>6 pages</i>)	035203
S. Sakamoto, L. D. Anh, P. N. Hai, G. Shibata, Y. Takeda, M. Kobayashi, Y. Takahashi, T. Koide, M. Tanaka, and A. Fujimori	
Pressure-induced phase transition and band-gap collapse in the wide-band-gap semiconductor InTaO ₄ (<i>12 pages</i>)	035204
D. Errandonea, C. Popescu, A. B. Garg, P. Botella, D. Martinez-García, J. Pellicer-Porres, P. Rodríguez-Hernández, A. Muñoz, V. Cuenca-Gotor, and J. A. Sans	
Charge transport perpendicular to the high mobility plane in organic crystals: Bandlike temperature dependence maintained despite hundredfold anisotropy (<i>8 pages</i>)	035205
B. Blülle, A. Troisi, R. Häusermann, and B. Batlogg	
Nonperturbative correlation effects in diluted magnetic semiconductors (<i>10 pages</i>)	035206
M. Cygorek, P. I. Tamborenea, and V. M. Axt	
Intervalley scattering in hexagonal boron nitride (<i>6 pages</i>)	035207
G. Cassaboïs, P. Valvin, and B. Gil	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Exciton-polariton quantum gates based on continuous variables (<i>11 pages</i>)	035301
O. Kyriienko and T. C. H. Liew	
Multiple magnetic resonance of nuclei in a two-dimensional electron system (<i>5 pages</i>)	035302
Xuan Qian, Yang Ji, and Vladimir Umansky	
Time-dependent thermoelectric transport for nanoscale thermal machines (<i>9 pages</i>)	035303
A.-M. Daré and P. Lombardo	
Transconductance and effective Landé factors for quantum point contacts: Spin-orbit coupling and interaction effects (<i>12 pages</i>)	035304
K. Kolasiński, A. Mreńca-Kolasińska, and B. Szafran	
Suppression of Coulomb blockade peaks by electronic correlations in InAs nanowires (<i>6 pages</i>)	035305
R. Hevroni, V. Shelukhin, M. Karpovski, M. Goldstein, E. Sela, Hadas Shtrikman, and A. Palevski	
Surface code architecture for donors and dots in silicon with imprecise and nonuniform qubit couplings (<i>11 pages</i>)	035306
G. Pica, B. W. Lovett, R. N. Bhatt, T. Schenkel, and S. A. Lyon	
Signature of a topological phase transition in the Josephson supercurrent through a topological insulator (<i>10 pages</i>)	035307
M. P. Stehno, V. Orlyanchik, C. D. Nugroho, P. Ghaemi, M. Brahlek, N. Koirala, S. Oh, and D. J. Van Harlingen	
Poisson Green's function method for increased computational efficiency in numerical calculations of Coulomb coupling elements (<i>9 pages</i>)	035308
Anke Zimmermann, Sandra Kuhn, and Marten Richter	
Thermal interface conductance across metal alloy–dielectric interfaces (<i>7 pages</i>)	035309
Justin P. Freedman, Xiaoxiao Yu, Robert F. Davis, Andrew J. Gellman, and Jonathan A. Malen	
Theory of the nonlinear Rashba-Edelstein effect: The clean electron gas limit (<i>9 pages</i>)	035310
Giovanni Vignale and I. V. Tokatly	

(Continued)

<i>Ab initio</i> electronic stopping power of protons in bulk materials (10 pages)	035128
Abdullah Atef Shukri, Fabien Bruneval, and Lucia Reining	
On the possibility of excitonic magnetism in Ir double perovskites (6 pages)	035129
K. Pajskr, P. Novák, V. Pokorný, J. Kolorenč, R. Arita, and J. Kuneš	
Discontinuous polaron transition in a two-band model (13 pages)	035130
Mirko M. Möller and Mona Berciu	
<i>Ab initio</i> calculation of ionization potential and electron affinity in solid-state organic semiconductors (7 pages)	035131
Youngho Kang, Sang Ho Jeon, Youngmi Cho, and Seungwu Han	
Effect of vertex corrections on the possibility of chiral symmetry breaking induced by long-range Coulomb repulsion in graphene (12 pages)	035132
A. Katanin	
⚡ Hubbard- <i>U</i> corrected Hamiltonians for non-self-consistent random-phase approximation total-energy calculations: A study of ZnS, TiO ₂ , and NiO (12 pages)	035133
Christopher E. Patrick and Kristian S. Thygesen	
Existence of zero-energy impurity states in different classes of topological insulators and superconductors and their relation to topological phase transitions (12 pages)	035134
Lukas Kimme and Timo Hyart	
Topological states of non-Dirac electrons on a triangular lattice (6 pages)	035135
Qi-Feng Liang, Rui Yu, Jian Zhou, and Xiao Hu	
⚡ X-ray absorption spectroscopy in electrical fields: An element-selective probe of atomic polarization (9 pages)	035136
V. Ney, F. Wilhelm, K. Ollefs, A. Rogalev, and A. Ney	
Signatures of Weyl semimetals in quasiparticle interference (10 pages)	035137
Andrew K. Mitchell and Lars Fritz	
Long-range Coulomb interaction in nodal-ring semimetals (8 pages)	035138
Yejin Huh, Eun-Gook Moon, and Yong Baek Kim	
Cd ₂ Re ₂ O ₇ under high pressure: Pyrochlore lattice distortion-driven metal-to-nonmetal transition (9 pages)	035139
Pallavi S. Malavi, S. Karmakar, and S. M. Sharma	
Theoretical study of large proximity-induced <i>s</i> -wave-like pairing from a <i>d</i> -wave superconductor (12 pages)	035140
Wan-Ju Li, Sung-Po Chao, and Ting-Kuo Lee	
Thickness-dependent electronic structure in ultrathin LaNiO ₃ films under tensile strain (7 pages)	035141
Hyang Keun Yoo, Seung Ill Hyun, Young Jun Chang, Luca Moreschini, Chang Hee Sohn, Hyeong-Do Kim, Aaron Bostwick, Eli Rotenberg, Ji Hoon Shim, and Tae Won Noh	
Semiconductors I: bulk	
Charge transport properties of bulk Ta ₃ N ₅ from first principles (6 pages)	035201
Juliana M. Morbec and Giulia Galli	
Molecular dynamics simulations of shallow nitrogen and silicon implantation into diamond (7 pages)	035202
Ossi Lehtinen, Boris Naydenov, Pia Börner, Kristina Melentjevic, Christoph Müller, Liam Paul McGuinness, Sebastien Pezzagna, Jan Meijer, Ute Kaiser, and Fedor Jelezko	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 93, NUMBER 3

JANUARY 2016-15(I)

Exact holographic mapping in free fermion systems (27 pages)	035112
Ching Hua Lee and Xiao-Liang Qi	
Energy-momentum mapping of d -derived Au(111) states in a thin film (7 pages)	035113
P. M. Sheverdyaeva, R. Requist, P. Moras, S. K. Mahatha, M. Papagno, L. Ferrari, E. Tosatti, and C. Carbone	
☞ Existence of featureless paramagnets on the square and the honeycomb lattices in 2+1 dimensions (11 pages) . . .	035114
Chao-Ming Jian and Michael Zaletel	
Using time-dependent density functional theory in real time for calculating electronic transport (13 pages)	035115
Philipp Schaffhauser and Stephan Kümmel	
Nernst and magnetothermal conductivity in a lattice model of Weyl fermions (13 pages)	035116
Girish Sharma, Pallab Goswami, and Sumanta Tewari	
Electronic phase transitions under hydrostatic pressure in LaMnO ₃ (111) bilayers sandwiched between LaAlO ₃ (5 pages)	035117
H. A. Tahini, F. Cossu, N. Singh, S. C. Smith, and U. Schwingenschlögl	
Density-functional theory with screened van der Waals interactions applied to atomic and molecular adsorbates on close-packed and non-close-packed surfaces (17 pages)	035118
Victor G. Ruiz, Wei Liu, and Alexandre Tkatchenko	
Electromagnon excitation in the field-induced noncollinear ferrimagnetic phase of Ba ₂ Mg ₂ Fe ₁₂ O ₂₂ studied by polarized inelastic neutron scattering and terahertz time-domain optical spectroscopy (7 pages)	035119
Taro Nakajima, Youtarou Takahashi, Shunsuke Kibayashi, Masaaki Matsuda, Kazuhisa Kakurai, Shintaro Ishiwata, Yasujiro Taguchi, Yoshinori Tokura, and Taka-hisa Arima	
Supersymmetric approach to heavy fermion systems (20 pages)	035120
Aline Ramires and Piers Coleman	
Benchmarking density functionals for hydrogen-helium mixtures with quantum Monte Carlo: Energetics, pressures, and forces (12 pages)	035121
Raymond C. Clay III, Markus Holzmann, David M. Ceperley, and Miguel A. Morales	
Photoinduced Kondo effect in CeZn ₃ P ₃ (8 pages)	035122
J. Kitagawa, D. Kitajima, K. Shimokawa, and H. Takaki	
Topological insulators in random potentials (8 pages)	035123
Andreas Pieper and Holger Fehske	
Effective models of doped quantum ladders of non-Abelian anyons (24 pages)	035124
Medha Soni, Matthias Troyer, and Didier Poilblanc	
Variational identification of a fractional Chern insulator in an extended Bose-Hubbard model (15 pages)	035125
Hassan Shapourian and Bryan K. Clark	
Ground-state phase diagram of the square lattice Hubbard model from density matrix embedding theory (17 pages)	035126
Bo-Xiao Zheng and Garnet Kin-Lic Chan	
Quantum non-Abelian Potts model and its exact solution (10 pages)	035127
Razieh Mohseninia and Vahid Karimipour	

(Continued)

ARTICLES

Electronic structure and strongly correlated systems

- Intermediate valence to heavy fermion through a quantum phase transition in $\text{Yb}_3(\text{Rh}_{1-x}\text{T}_x)_4\text{Ge}_{13}$ ($T = \text{Co, Ir}$) single crystals (7 pages) 035101
Binod K. Rai, Iain W. H. Oswald, Julia Y. Chan, and E. Morosan
- Quantum impurities in channel mixing baths (8 pages) 035102
Jin-Guo Liu, Da Wang, and Qiang-Hua Wang
- Monte Carlo study of phase transitions out of symmetry-enriched topological phases of bosons in two dimensions (10 pages) 035103
Jong Yeon Lee, Scott Geraedts, and Olexei I. Motrunich
- Accurate tight-binding Hamiltonian matrices from *ab initio* calculations: Minimal basis sets (9 pages) 035104
Luis A. Agapito, Sohrab Ismail-Beigi, Stefano Curtarolo, Marco Fornari, and Marco Buongiorno Nardelli
- Ferroelectric charge order enhanced by magnetic frustration in dimer Mott insulators (11 pages) 035105
Hiroki Gomi, Takeshi J. Inagaki, and Akira Takahashi
- Fingerprints of entangled spin and orbital physics in itinerant ferromagnets via angle-resolved resonant photoemission (8 pages) 035106
F. Da Pieve
- Dynamics of strongly correlated fermions: *Ab initio* results for two and three dimensions (7 pages) 035107
N. Schlünzen, S. Hermanns, M. Bonitz, and C. Verdozzi
- Excitation and dynamics in the extended Bose-Hubbard model (10 pages) 035108
Benoît Grémaud and George G. Batrouni
- Gate-induced gap in bilayer graphene suppressed by Coulomb repulsion (7 pages) 035109
Jin-Rong Xu, Ze-Yi Song, Hai-Qing Lin, and Yu-Zhong Zhang
- Scattering properties of the three-dimensional topological insulator Sb_2Te_3 : Coexistence of topologically trivial and nontrivial surface states with opposite spin-momentum helicity (6 pages) 035110
P. Sessi, O. Storz, T. Bathon, S. Wilfert, K. A. Kokh, O. E. Tereshchenko, G. Bihlmayer, and M. Bode
- Direct observation of current-induced conductive path in colossal-electroresistance manganite thin films (4 pages) 035111
Wengang Wei, Yinyan Zhu, Yu Bai, Hao Liu, Kai Du, Kai Zhang, Yunfang Kou, Jian Shao, Wenbin Wang, Denglu Hou, Shuai Dong, Lifeng Yin, and Jian Shen

