

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 92, NUMBER 7

AUGUST 2015-15(I)

Adsorption and incorporation of transition metals at the magnetite $\text{Fe}_3\text{O}_4(001)$ surface (9 pages)	075440
Roland Bliem, Jiri Pavelec, Oscar Gamba, Eamon McDermott, Zhiming Wang, Stefan Gerhold, Margareta Wagner, Jacek Osiecki, Karina Schulte, Michael Schmid, Peter Blaha, Ulrike Diebold, and Gareth S. Parkinson	
Semi-infinite jellium: Thermodynamic potential, chemical potential, and surface energy (17 pages)	075441
P. P. Kostrobij and B. M. Markovych	
Current orderings of interacting electrons in bilayer graphene (9 pages)	075442
Xin-Zhong Yan and C. S. Ting	
Majorana-assisted nonlocal electron transport through a floating topological superconductor (6 pages)	075443
Jascha Ulrich and Fabian Hassler	
Probing the electronic properties and charge state of gold nanoparticles on ultrathin MgO versus thick doped CaO films (8 pages)	075444
Yi Cui, Christian Stiehler, Niklas Nilus, and Hans-Joachim Freund	
Exciton polaritons in transition-metal dichalcogenides and their direct excitation via energy transfer (8 pages) . . .	075445
Yuri N. Gartstein, Xiao Li, and Chuanwei Zhang	
Interference-induced thermoelectric switching and heat rectification in quantum Hall junctions (9 pages)	075446
Luca Vannucci, Flavio Ronetti, Giacomo Dolcetto, Matteo Carrega, and Maura Sassetti	

ERRATA

Publisher's Note: Spin waves and spatially anisotropic exchange interactions in the $S = 2$ stripe antiferromagnet $\text{Rb}_{0.8}\text{Fe}_{1.5}\text{S}_2$ [Phys. Rev. B 92 , 041109(R) (2015)] (1 page)	079901(E)
Meng Wang, P. Valdivia, Ming Yi, J. X. Chen, W. L. Zhang, R. A. Ewings, T. G. Perring, Yang Zhao, L. W. Harriger, J. W. Lynn, E. Bourret-Courchesne, Pengcheng Dai, D. H. Lee, D. X. Yao, and R. J. Birgeneau	
Erratum: Electron-electron interaction and localization in d and f transition metals [Phys. Rev. B 37 , 10674 (1988)] (1 page)	079902(E)
D. van der Marel and G. A. Sawatzky	

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 92, NUMBER 7

AUGUST 2015-15(I)

Tuning edge state localization in graphene nanoribbons by in-plane bending (<i>10 pages</i>)	075424
S. G. Stuij, P. H. Jacobse, V. Juričić, and C. Morais Smith	
Precise shape engineering of epitaxial quantum dots by growth kinetics (<i>8 pages</i>)	075425
Sergio Bietti, Juanita Bocquel, Silvia Adorno, Takaaki Mano, Joris G. Keizer, Paul M. Koenraad, and Stefano Sanguinetti	
Zero-field and time-reserval-symmetry-broken topological phase transitions in graphene (<i>9 pages</i>)	075426
Marcos R. Guassi, Ginetom S. Diniz, Nancy Sandler, and Fanyao Qu	
Topological symmetry breaking: Domain walls and partial instability of chiral edges (<i>7 pages</i>)	075427
F. A. Bais and S. M. Haaker	
Nature of the bias-dependent symmetry reduction of iron phthalocyanine on Cu(111) (<i>6 pages</i>)	075428
Olesia Snezhkova, Johann Lüder, Alissa Wiengarten, Shiri R. Burema, Felix Bischoff, Yuanqin He, Jan Rusz, Jan Knudsen, Marie-Laure Bocquet, Knud Seufert, Johannes V. Barth, Willi Auwärter, Barbara Brena, and Joachim Schnadt	
Charge transport in DNA nanowires connected to carbon nanotubes (<i>7 pages</i>)	075429
Bikan Tan, Miroslav Hodak, Wenchang Lu, and J. Bernholc	
Casimir forces of metallic microstructures into cavities (<i>6 pages</i>)	075430
George Kenanakis, Costas M. Soukoulis, and Eleftherios N. Economou	
Electron-electron interactions in graphene field-induced quantum dots in a high magnetic field (<i>8 pages</i>)	075431
A. Orlof, A. A. Shylau, and I. V. Zozoulenko	
Majorana fermions at the edge of superconducting islands (<i>10 pages</i>)	075432
R. S. Akzyanov, A. L. Rakhmanov, A. V. Rozhkov, and Franco Nori	
The two classes of low-energy spectra in finite carbon nanotubes (<i>9 pages</i>)	075433
Magdalena Marganska, Piotr Chudzinski, and Milena Grifoni	
Transport of a sliding Wigner crystal in the four flux composite fermion regime (<i>7 pages</i>)	075434
Chi Zhang, Rui-Rui Du, M. J. Manfra, L. N. Pfeiffer, and K. W. West	
Influence of structure and thermodynamic stability on electronic properties of two-dimensional SiC, SiGe, and GeC alloys (<i>12 pages</i>)	075435
I. Guilhon, L. K. Teles, M. Marques, R. R. Pela, and F. Bechstedt	
Large-gap two-dimensional topological insulator in oxygen functionalized MXene (<i>7 pages</i>)	075436
Hongming Weng, Ahmad Ranjbar, Yunye Liang, Zhida Song, Mohammad Khazaei, Seiji Yunoki, Masao Arai, Yoshiyuki Kawazoe, Zhong Fang, and Xi Dai	
Landau levels of single-layer and bilayer phosphorene (<i>9 pages</i>)	075437
J. M. Pereira Jr. and M. I. Katsnelson	
Interaction-enabled topological phases in topological insulator–superconductor heterostructures (<i>13 pages</i>)	075438
D. I. Pikulin, Ching-Kai Chiu, Xiaoyu Zhu, and M. Franz	
Heterostructures of transition metal dichalcogenides (<i>6 pages</i>)	075439
B. Amin, N. Singh, and U. Schwingenschlögl	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 92, NUMBER 7

AUGUST 2015-15(I)

Detection of interlayer interaction in few-layer graphene (<i>7 pages</i>)	075408
Zefeï Wu, Yu Han, Jiangxiazì Lin, Wei Zhu, Mingquan He, Shuigang Xu, Xiaolong Chen, Huanhuan Lu, Weiguang Ye, Tianyi Han, Yingying Wu, Gen Long, Junying Shen, Rui Huang, Lin Wang, Yuheng He, Yuan Cai, Rolf Lortz, Dangsheng Su, and Ning Wang	
Valley entanglement of excitons in monolayers of transition-metal dichalcogenides (<i>11 pages</i>)	075409
Mikhail Tokman, Yongrui Wang, and Alexey Belyanin	
Fractional quantum Hall effect in graphene: Quantitative comparison between theory and experiment (<i>13 pages</i>)	075410
Ajit C. Balram, Csaba Tóke, A. Wójs, and J. K. Jain	
OH-terminated two-dimensional transition metal carbides and nitrides as ultralow work function materials (<i>10 pages</i>)	075411
Mohammad Khazaei, Masao Arai, Taizo Sasaki, Ahmad Ranjbar, Yunye Liang, and Seiji Yunoki	
Direct surface charging and alkali-metal doping for tuning the interlayer magnetic order in planar nanostructures (<i>10 pages</i>)	075412
Tamene R. Dasa and Valeri S. Stepanyuk	
TiS ₃ nanoribbons: Width-independent band gap and strain-tunable electronic properties (<i>8 pages</i>)	075413
Jun Kang, Hasan Sahin, H. Duygu Ozaydin, R. Tugrul Senger, and François M. Peeters	
Phonon-limited carrier mobility and resistivity from carbon nanotubes to graphene (<i>11 pages</i>)	075414
Jing Li, Henrique Pereira Coutada Miranda, Yann-Michel Niquet, Luigi Genovese, Ivan Duchemin, Ludger Wirtz, and Christophe Delerue	
Electronic transport in graphene with particle-hole-asymmetric disorder (<i>8 pages</i>)	075415
Max Hering, Martin Schneider, and Piet W. Brouwer	
Arsenic-bridged magnetic interactions in an emerging two-dimensional FeAs nanostructure on MnAs (<i>6 pages</i>)	075416
Christian Helman, Valeria Ferrari, and Ana Maria Llois	
Uniformity of the pseudomagnetic field in strained graphene (<i>7 pages</i>)	075417
G. J. Verbiest, S. Brinker, and C. Stampfer	
How grain size controls friction and wear in nanocrystalline metals (<i>8 pages</i>)	075418
Ao Li and Izabela Szlufarska	
Valley precession in graphene superlattices (<i>5 pages</i>)	075419
S. K. Wang and J. Wang	
Entanglement creation in electron-electron collisions at solid surfaces (<i>8 pages</i>)	075420
R. Feder, F. Giebels, and H. Gollisch	
Inhibition of dynamic nuclear polarization by heavy-hole noncollinear hyperfine interactions (<i>9 pages</i>)	075421
Hugo Ribeiro, Franziska Maier, and Daniel Loss	
Cubic-scaling iterative solution of the Bethe-Salpeter equation for finite systems (<i>18 pages</i>)	075422
M. P. Ljungberg, P. Koval, F. Ferrari, D. Foerster, and D. Sánchez-Portal	
Entanglement of indistinguishable particles as a probe for quantum phase transitions in the extended Hubbard model (<i>8 pages</i>)	075423
Fernando Iemini, Thiago O. Maciel, and Reinaldo O. Vianna	

(Continued)

Dynamical optical tuning of the coherent phonon detection sensitivity in DBR-based GaAs optomechanical resonators (7 pages)	075307
P. Sesin, P. Soubelet, V. Villafa��e, A. E. Bruchhausen, B. Jusserand, A. Lema��tre, N. D. Lanzillotti-Kimura, and A. Fainstein	
First-principles embedded-cluster calculations of the neutral and charged oxygen vacancy at the rutile TiO��(110) surface (11 pages)	075308
Daniel Berger, Harald Oberhofer, and Karsten Reuter	
Nonmonotonically tunable Rashba spin-orbit coupling by multiple-band filling control in SrTiO��-based interfacial <i>d</i> -electron gases (7 pages)	075309
Haixing Liang, Long Cheng, Laiming Wei, Zhenlin Luo, Guolin Yu, Changgan Zeng, and Zhenyu Zhang	
Anisotropic optical properties of rhombohedral and tetragonal thin film BiFeO�� phases (7 pages)	075310
Daniel Schmidt, Lu You, Xiao Chi, Junling Wang, and Andrivo Rusydi	
Toward high-frequency operation of spin lasers (14 pages)	075311
Paulo E. Faria Junior, Gaofeng Xu, Jeongsu Lee, Nils C. Gerhardt, Guilherme M. Sipahi, and Igor ��uti��	
Quantum state tomography of large nuclear spins in a semiconductor quantum well: Optimal robustness against errors as quantified by condition numbers (18 pages)	075312
Adam Miranowicz, ��ahin K. ��zdemir, Ji��r�� Bajer, Go Yusa, Nobuyuki Imoto, Yoshiro Hirayama, and Franco Nori	
Multiple polariton modes originating from the coupling of quantum wells in planar microcavity (6 pages)	075313
C. Ouellet-Plamondon, G. Sallen, F. Jabeen, D. Y. Oberli, and B. Deveaud	
Surface physics, nanoscale physics, low-dimensional systems	
Electric bias control of impurity effects in bilayer graphene (9 pages)	075401
Y. G. Pogorelov, M. C. Santos, and V. M. Loktev	
Electronic spectrum of twisted bilayer graphene (13 pages)	075402
A. O. Sboychakov, A. L. Rakhmanov, A. V. Rozhkov, and Franco Nori	
Adsorption of alkali adatoms on graphene supported by the Au/Ni(111) surface (9 pages)	075403
C. S. Praveen, Simone Piccinin, and Stefano Fabris	
Threshold displacement energies in graphene and single-walled carbon nanotubes (8 pages)	075404
Andrew Merrill, Cory D. Cress, Jamie E. Rossi, Nathanael D. Cox, and Brian J. Landi	
Electrical transport limited by electron-phonon coupling from Boltzmann transport equation: <i>An ab initio</i> study of Si, Al, and MoS�� (10 pages)	075405
Wu Li	
Decoherence in current induced forces: Application to adiabatic quantum motors (7 pages)	075406
Lucas J. Fern��ndez-Alc��zar, Ra��l A. Bustos-Mar��n, and Horacio M. Pastawski	
Physics of a disordered Dirac point in epitaxial graphene from temperature-dependent magnetotransport measurements (6 pages)	075407
J. Huang, J. A. Alexander-Webber, A. M. R. Baker, T. J. B. M. Janssen, A. Tzalenchuk, V. Antonov, T. Yager, S. Lara-Avila, S. Kubatkin, R. Yakimova, and R. J. Nicholas	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 92, NUMBER 7

AUGUST 2015-15(I)

Spatially extended underscreened Kondo state from collective molecular spin (5 pages)	075144
Emi Minamitani, Ying-Shuang Fu, Qi-Kun Xue, Yousoo Kim, and Satoshi Watanabe	
Complete description of ionization energy and electron affinity in organic solids: Determining contributions from electronic polarization, energy band dispersion, and molecular orientation (13 pages)	075145
Hiroyuki Yoshida, Kazuto Yamada, Jun'ya Tsutsumi, and Naoki Sato	
Semiconductors I: bulk	
Electroreflectance of thin-film solar cells: Simulation and experiment (9 pages)	075201
Christian Huber, Christoph Krämmer, David Sperber, Alice Magin, Heinz Kalt, and Michael Hetterich	
Variational polaron self-interaction-corrected total-energy functional for charge excitations in insulators (10 pages)	075202
Babak Sadigh, Paul Erhart, and Daniel Åberg	
Electronic structure of Mu-complex donor state in rutile TiO ₂ (6 pages)	075203
K. Shimomura, R. Kadono, A. Koda, K. Nishiyama, and M. Mihara	
Strain-designed strategy to induce and enhance second-harmonic generation in centrosymmetric and noncentrosymmetric materials (11 pages)	075204
Eleonora Luppi, Elena Degoli, Matteo Bertocchi, Stefano Ossicini, and Valérie Vénier	
 Axial anomaly and longitudinal magnetoresistance of a generic three-dimensional metal (21 pages)	075205
Pallab Goswami, J. H. Pixley, and S. Das Sarma	
Anharmonic phonon decay in cubic GaN (8 pages)	075206
R. Cuscó, N. Domènech-Amador, S. Novikov, C. T. Foxon, and L. Artús	
Optical properties and Zeeman spectroscopy of niobium in silicon carbide (14 pages)	075207
Andreas Gällström, Björn Magnusson, Stefano Leone, Olof Kordina, Nguyen T. Son, Viktor Ivády, Adam Gali, Igor A. Abrikosov, Erik Janzén, and Ivan G. Ivanov	
Semiconductors II: surfaces, interfaces, microstructures, and related topics	
Orbital Kondo effect in fractional quantum Hall systems (9 pages)	075301
Yashar Komijani, Pascal Simon, and Ian Affleck	
Fast long-distance control of spin qubits by photon-assisted cotunneling (16 pages)	075302
Peter Stano, Jelena Klinovaja, Floris R. Braakman, Lieven M. K. Vandersypen, and Daniel Loss	
Optical signatures of spin-dependent coupling in semimagnetic quantum dot molecules (8 pages)	075303
Ł. Kłopotowski, P. Wojnar, Ł. Cywiński, T. Jakubczyk, M. Goryca, K. Fronc, T. Wojtowicz, and G. Karczewski	
Nonlinear spin transport in a rectifying ferromagnet/semiconductor Schottky contact (9 pages)	075304
R. Jansen, A. Spiesser, H. Saito, and S. Yuasa	
Dissipative soliton protocols in semiconductor microcavities at finite temperatures (9 pages)	075305
D. V. Karpov, I. G. Savenko, H. Flayac, and N. N. Rosanov	
Size-dependent line broadening in the emission spectra of single GaAs quantum dots: Impact of surface charge on spectral diffusion (8 pages)	075306
Neul Ha, Takaaki Mano, Ying-Lin Chou, Yu-Nien Wu, Shun-Jen Cheng, Juanita Bocquel, Paul M. Koenraad, Akihiro Ohtake, Yoshiki Sakuma, Kazuaki Sakoda, and Takashi Kuroda	

(Continued)

Testing the nonlocal kinetic energy functional of an inhomogeneous, two-dimensional degenerate Fermi gas within the average density approximation (<i>10 pages</i>)	075129
J. Towers, B. P. van Zyl, and W. Kirkby	
Manifestations of topological band crossings in bulk entanglement spectrum: An analytical study for integer quantum Hall states (<i>7 pages</i>)	075130
Chi-Ken Lu, Dah-Wei Chiou, and Feng-Li Lin	
Topological phase diagram and saddle point singularity in a tunable topological crystalline insulator (<i>10 pages</i>)	075131
Madhab Neupane, Su-Yang Xu, R. Sankar, Q. Gibson, Y. J. Wang, I. Belopolski, N. Alidoust, G. Bian, P. P. Shibayev, D. S. Sanchez, Y. Ohtsubo, A. Taleb-Ibrahimi, S. Basak, W.-F. Tsai, H. Lin, Tomasz Durakiewicz, R. J. Cava, A. Bansil, F. C. Chou, and M. Z. Hasan	
Compression of correlation matrices and an efficient method for forming matrix product states of fermionic Gaussian states (<i>14 pages</i>)	075132
Matthew T. Fishman and Steven R. White	
Electron-phonon coupling in a system with broken symmetry: Surface of Be(0001) (<i>10 pages</i>)	075133
TeYu Chien (簡德宇), Xiaobo He, Sung-Kwan Mo, Makoto Hashimoto, Zahid Hussain, Zhi-Xun Shen, and E. W. Plummer	
Manifestation of nematic degrees of freedom in the Raman response function of iron pnictides (<i>12 pages</i>)	075134
U. Karahasanovic, F. Kretschmar, T. Böhm, R. Hackl, I. Paul, Y. Gallais, and J. Schmalian	
Interaction-protected topological insulators with time reversal symmetry (<i>6 pages</i>)	075135
Raul A. Santos and D. B. Gutman	
Electronic correlations in Hund metals (<i>7 pages</i>)	075136
L. Fanfarillo and E. Bascones	
Spin-dependent transport in a multiferroic tunnel junction: Theory for Co/PbTiO ₃ /Co (<i>9 pages</i>)	075137
Vladislav S. Borisov, Sergey Ostanin, Steven Achilles, Jürgen Henk, and Ingrid Mertig	
Time-reversal symmetry protected chiral interface states between quantum spin and quantum anomalous Hall insulators (<i>14 pages</i>)	075138
Huaqing Huang, Zhaoyou Wang, Nannan Luo, Zhirong Liu, Rong Lü, Jian Wu, and Wenhui Duan	
Unbounded spatial spectrum of propagating waves in a polaritonic wire medium (<i>7 pages</i>)	075139
M. S. Mirmoosa, S. Yu. Kosulnikov, and C. R. Simovski	
Competing superconducting instabilities in the one-dimensional <i>p</i> -band degenerate cold fermionic system (<i>11 pages</i>)	075140
V. Bois, S. Capponi, P. Lecheminant, and M. Moliner	
$\mathbb{Z}_2$ topological liquid of hard-core bosons on a kagome lattice at 1/3 filling (<i>12 pages</i>)	075141
Krishanu Roychowdhury, Subhro Bhattacharjee, and Frank Pollmann	
Emergent Coulombic criticality and Kibble-Zurek scaling in a topological magnet (<i>7 pages</i>)	075142
James Hamp, Anushya Chandran, Roderich Moessner, and Claudio Castelnovo	
Fermion parity measurement and control in Majorana circuit quantum electrodynamics (<i>7 pages</i>)	075143
Konstantin Yavilberg, Eran Ginossar, and Eytan Grosfeld	

(Continued)

Dichroism as a probe for parity-breaking phases of spin-orbit coupled metals (<i>4 pages</i>)	075113
M. R. Norman	
Dynamical quantum phase transitions in the Kitaev honeycomb model (<i>13 pages</i>)	075114
Markus Schmitt and Stefan Kehrein	
Lifshitz transition and Van Hove singularity in a three-dimensional topological Dirac semimetal (<i>7 pages</i>)	075115
Su-Yang Xu, Chang Liu, I. Belopolski, S. K. Kushwaha, R. Sankar, J. W. Krizan, T.-R. Chang, C. M. Polley, J. Adell, T. Balasubramanian, K. Miyamoto, N. Alidoust, Guang Bian, M. Neupane, H.-T. Jeng, C.-Y. Huang, W.-F. Tsai, T. Okuda, A. Bansil, F. C. Chou, R. J. Cava, H. Lin, and M. Z. Hasan	
Creating and manipulating non-Abelian anyons in cold atom systems using auxiliary bosons (<i>15 pages</i>)	075116
Yuhe Zhang, G. J. Sreejith, and J. K. Jain	
Resolving CuO chain and CuO ₂ plane contributions to the YBa ₂ Cu ₃ O _{7-δ} valence band by standing-wave excited hard x-ray photoelectron spectroscopy (<i>6 pages</i>)	075117
S. Thiess, T.-L. Lee, C. Aruta, C. T. Lin, F. Venturini, N. B. Brookes, B. C. C. Cowie, and J. Zegenhagen	
Logarithmic temperature dependence of samarium ion valence in the heavy-fermion Sm _x La _{1-x} Os ₄ Sb ₁₂ (<i>5 pages</i>)	075118
Kengo Fushiya, Ryoichi Miyazaki, Ryuji Higashinaka, Akira Yamada, Masaichiro Mizumaki, Satoshi Tsutsui, Kiyofumi Nitta, Tomoya Uruga, Bunya Suemitsu, Hideyuki Sato, and Yuji Aoki	
Origin of strong dispersion in Hubbard insulators (<i>7 pages</i>)	075119
Y. Wang, K. Wohlfeld, B. Moritz, C. J. Jia, M. van Veenendaal, K. Wu, C.-C. Chen, and T. P. Devereaux	
Fermi-liquid theory for the single-impurity Anderson model (<i>14 pages</i>)	075120
Christophe Mora, Cătălin Pașcu Moca, Jan von Delft, and Gergely Zaránd	
Low-temperature magnetic ordering and structural distortions in vanadium sesquioxide V ₂ O ₃ (<i>14 pages</i>)	075121
Daniel Grieger and Michele Fabrizio	
Strong competition between Θ_{II} -loop-current order and <i>d</i> -wave charge order along the diagonal direction in a two-dimensional hot spot model (<i>14 pages</i>)	075123
Vanuildo S. de Carvalho, Thomas Kloss, Xavier Montiel, Hermann Freire, and Catherine Pépin	
DFT+ <i>U</i> study of electrical levels and migration barriers of early 3 <i>d</i> and 4 <i>d</i> transition metals in silicon (<i>11 pages</i>)	075124
A. G. Marinopoulos, P. Santos, and J. Coutinho	
Influence of electron doping on the ground state of (Sr _{1-x} La _x) ₂ IrO ₄ (<i>11 pages</i>)	075125
Xiang Chen, Tom Hogan, D. Walkup, Wenwen Zhou, M. Pokharel, Mengliang Yao, Wei Tian, Thomas Z. Ward, Y. Zhao, D. Parshall, C. Opeil, J. W. Lynn, Vidya Madhavan, and Stephen D. Wilson	
<i>Ab initio</i> calculation of spin-polarized low-energy electron diffraction pattern for the systems Fe(001) and Fe(001)- <i>p</i> (1×1)O (<i>6 pages</i>)	075126
Stephan Borek, Jürgen Braun, Ján Minár, and Hubert Ebert	
Angle-resolved and core-level photoemission study of interfacing the topological insulator Bi _{1.5} Sb _{0.5} Te _{1.7} Se _{1.3} with Ag, Nb, and Fe (<i>10 pages</i>)	075127
N. de Jong, E. Frantzeskakis, B. Zwartsenberg, Y. K. Huang, D. Wu, P. Hlawenka, J. Sánchez-Barriga, A. Varykhalov, E. van Heumen, and M. S. Golden	
Determination of Tomonaga-Luttinger parameters for a two-component liquid (<i>12 pages</i>)	075128
Olabode M. Sule, Hitesh J. Changlani, Isao Maruyama, and Shinsei Ryu	

(Continued)

ARTICLES

Electronic structure and strongly correlated systems

- Anomalous quantum Hall effect induced by disorder in topological insulators (*8 pages*) 075101
Laurent Raymond, Alberto D. Verga, and Arnaud Demion
- Three-step approach for computing band offsets and its application to inorganic ABX_3 halide perovskites (*6 pages*) 075102
Li Lang, Yue-Yu Zhang, Peng Xu, Shiyu Chen, H. J. Xiang, and X. G. Gong
- Large and small Fermi-surface spin density waves in the Kondo lattice model (*9 pages*) 075103
Robert Peters and Norio Kawakami
- Interactions along an entanglement cut in 2+1D Abelian topological phases (*31 pages*) 075104
Jennifer Cano, Taylor L. Hughes, and Michael Mulligan
- Composition and temperature dependence of the Yb valence in $\text{YbMn}_6\text{Ge}_{6-x}\text{Sn}_x$ studied by RIXS (*8 pages*) 075105
T. Mazet, D. Malterre, M. François, L. Eichenberger, M. Grioni, C. Dallera, and G. Monaco
- Pseudopotential for the electron-electron interaction (*8 pages*) 075106
J. H. Lloyd-Williams, R. J. Needs, and G. J. Conduit
- Optical spectroscopy study of the three-dimensional Dirac semimetal ZrTe_5 (*5 pages*) 075107
R. Y. Chen, S. J. Zhang, J. A. Schneeloch, C. Zhang, Q. Li, G. D. Gu, and N. L. Wang
- Post-measurement bipartite entanglement entropy in conformal field theories (*6 pages*) 075108
M. A. Rajabpour
- Entanglement negativity after a local quantum quench in conformal field theories (*16 pages*) 075109
Xueda Wen, Po-Yao Chang, and Shinsei Ryu
- Holographic treatment of boundary disorder in a topological insulator (*11 pages*) 075110
Kun Woo Kim, Roger S. K. Mong, Marcel Franz, and Gil Refael
- Enhanced conduction and ferromagnetic order at (100)-type twin walls in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films (*6 pages*) ... 075111
Lluís Balcells, Markos Paradinas, Núria Baguès, Neus Domingo, Roberto Moreno, Regina Galceran, Michael Walls, José Santiso, Zorica Konstantinovic, Alberto Pomar, Marie-Jo Casanove, Carmen Ocal, Benjamín Martínez, and Felip Sandiumenge
- t_{2g} -orbital model on a honeycomb lattice: Application to the antiferromagnet SrRu_2O_6 (*5 pages*) 075112
Da Wang, Wan-Sheng Wang, and Qiang-Hua Wang

