PHYSICAL REVIEW B™

For editorial and subscription correspondence, please see inside front cover
(ISSN: 1098-0121)

PERIODICALS
Postmaster send address changes to:

APS Subscription Services
P.O. Box 41
Annapolis Junction, MD 20701

THIRD SERIES, VOLUME 89, NUMBER 16 *CONTENTS* **APRIL 2014-15(II)**

RAPID COMMUNICATIONS

Electronic structure and strongly correlated systems

Galvanomagnetic and thermogalvanomagnetic transport effects in ferromagnetic fcc Co_xPd_{1-x} alloys from first principles *(5 pages)* . . . . . 161101(R)
S. Wimmer, D. Ködderitzsch, and H. Ebert

Coherent dynamics of photoinduced phase formation in a strongly correlated organic crystal *(5 pages)* . . . . . 161102(R)
Yoshitaka Matsubara, Sho Ogihara, Jiro Itatani, Nobuya Maeshima, Kenji Yonemitsu, Tadahiko Ishikawa, Yoichi Okimoto, Shin-ya Koshihara, Takaaki Hiramatsu, Yoshiaki Nakano, Hideki Yamochi, Gunzi Saito, and Ken Onda

Dispersive magnetic-resonance mode in the Kondo semiconductor $CeFe_2Al_{10}$ *(5 pages)* . . . . . 161103(R)
Jean-Michel Mignot, Pavel A. Alekseev, Julien Robert, Sylvain Petit, Takashi Nishioka, Masahiro Matsumura, Riki Kobayashi, Hiroshi Tanida, Hiroki Nohara, and Masafumi Sera

Dissipationless kinetics of one-dimensional interacting fermions *(5 pages)* . . . . . 161104(R)
I. V. Protopopov, D. B. Gutman, M. Oldenburg, and A. D. Mirlin

Disentangling dynamical phase transitions from equilibrium phase transitions *(5 pages)* . . . . . 161105(R)
Szabolcs Vajna and Balázs Dóra

Enhanced compressibility due to repulsive interaction in the Harper model *(5 pages)* . . . . . 161106(R)
Yaacov E. Kraus, Oded Zilberberg, and Richard Berkovits

Low-temperature magnetic fluctuations in the Kondo insulator SmB_6 *(5 pages)* . . . . . 161107(R)
P. K. Biswas, Z. Salman, T. Neupert, E. Morenzoni, E. Pomjakushina, F. von Rohr, K. Conder, G. Balakrishnan, M. Ciomaga Hatnean, M. R. Lees, D. McK. Paul, A. Schilling, C. Baines, H. Luetkens, R. Khasanov, and A. Amato

Metamagnetism and the fifth-order susceptibility in UPt_3 *(4 pages)* . . . . . 161108(R)
B. S. Shivaram, Brian Dorsey, D. G. Hinks, and Pradeep Kumar

Strain-induced insulator-to-metal transition in $LaTiO_3$ within DFT + DMFT *(5 pages)* . . . . . 161109(R)
Krzysztof Dymkowski and Claude Ederer

Experimental determination of temperature-dependent electron-electron collision frequency in isochorically heated warm dense gold *(5 pages)* . . . . . 161110(R)
C. Fourment, F. Deneuville, D. Descamps, F. Dorchies, S. Petit, O. Peyrusse, B. Holst, and V. Recoules

Copyright 2014 by American Physical Society

(Continued)

1098-0121(20140415)89:16;1-9

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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 89, NUMBER 16** **APRIL 2014-15(II)**

High-harmonic generation by nonlinear resonant excitation of surface plasmon modes in metallic nanoparticles *(5 pages)* . . . . . 161111(R)
Jérôme Hurst, Fernando Haas, Giovanni Manfredi, and Paul-Antoine Hervieux

Orbital-dependent singlet dimers and orbital-selective Peierls transitions in transition-metal compounds *(5 pages)* 161112(R)
Sergey V. Streltsov and Daniel I. Khomskii

Covalency and the metal-insulator transition in titanate and vanadate perovskites *(5 pages)* . . . . . 161113(R)
Hung T. Dang, Andrew J. Millis, and Chris A. Marianetti

Quantum critical charge response from higher derivatives in holography *(5 pages)* . . . . . 161114(R)
William Witczak-Krempa

Origin of the unusual strong suppression of low-frequency antiferromagnetic fluctuations in underdoped $HgBa_2CuO_{4+\delta}$ *(4 pages)* . . . . . 161115(R)
Jia-Wei Mei, Alexey A. Soluyanov, and T. M. Rice

Magnetic-field-induced charge order in the filled skutterudite $SmRu_4P_{12}$: Evidence from resonant and nonresonant x-ray diffraction *(5 pages)* . . . . . 161116(R)
Takeshi Matsumura, Shinji Michimura, Toshiya Inami, Yuya Hayashi, Kengo Fushiya, Tatsuma D. Matsuda, Ryuji Higashinaka, Yuji Aoki, and Hitoshi Sugawara

Bulk-defect correspondence in particle-hole symmetric insulators and semimetals *(5 pages)* . . . . . 161117(R)
Fernando de Juan, Andreas Rüegg, and Dung-Hai Lee

Competing phases of the Hubbard model on a triangular lattice: Insights from the entropy *(5 pages)* . . . . . 161118(R)
Gang Li, Andrey E. Antipov, Alexey N. Rubtsov, Stefan Kirchner, and Werner Hanke

Semiconductors II: surfaces, interfaces, microstructures, and related topics

Slow spin relaxation in a quantum Hall ferromagnet state *(5 pages)* . . . . . 161301(R)
A. S. Zhuravlev, S. Dickmann, L. V. Kulik, and I. V. Kukushkin

Coulomb-assisted cavity feeding in nonresonant optical emission from a quantum dot *(5 pages)* . . . . . 161302(R)
Matthias Florian, Paul Gartner, Alexander Steinhoff, Christopher Gies, and Frank Jahnke

Multiple time scale blinking in InAs quantum dot single-photon sources *(5 pages)* . . . . . 161303(R)
Marcelo Davanço, C. Stephen Hellberg, Serkan Ates, Antonio Badolato, and Kartik Srinivasan

Microwave-induced nonlocal transport in a two-dimensional electron system *(5 pages)* . . . . . 161304(R)
A. D. Levin, Z. S. Momtaz, G. M. Gusev, and A. K. Bakarov

Real-time electrical detection of coherent spin oscillations *(5 pages)* . . . . . 161305(R)
Felix Hoehne, Christian Huck, Martin S. Brandt, and Hans Huebl

Dynamical energy transfer in ac-driven quantum systems *(5 pages)* . . . . . 161306(R)
María Florencia Ludovico, Jong Soo Lim, Michael Moskalets, Liliana Arrachea, and David Sánchez

Hole spin helix: Anomalous spin diffusion in anisotropic strained hole quantum wells *(5 pages)* . . . . . 161307(R)
Vincent E. Sacksteder IV and B. Andrei Bernevig

Surface physics, nanoscale physics, low-dimensional systems

Transport fingerprints at graphene superlattice Dirac points induced by a boron nitride substrate *(5 pages)* . . . . . 161401(R)
Rafael Martinez-Gordillo, Stephan Roche, Frank Ortmann, and Miguel Pruneda

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 89, NUMBER 16** **APRIL 2014-15(II)**

Superexchange blockade in triple quantum dots *(5 pages)* . . . . . 161402(R)
Rafael Sánchez, Fernando Gallego-Marcos, and Gloria Platero

Disorder and magnetic-field-induced breakdown of helical edge conduction in an inverted electron-hole bilayer *(4 pages)* . . . . . 161403(R)
D. I. Pikulin, T. Hyart, Shuo Mi, J. Tworzydło, M. Wimmer, and C. W. J. Beenakker

Control of the ionization state of three single donor atoms in silicon *(5 pages)* . . . . . 161404(R)
B. Voisin, M. Cobian, X. Jehl, M. Vinet, Y.-M. Niquet, C. Delerue, S. de Franceschi, and M. Sanquer

Globally enhanced chiral field generation by negative-index metamaterials *(5 pages)* . . . . . 161405(R)
SeokJae Yoo, Minhaeng Cho, and Q-Han Park

Chemically ordered decahedral FePt nanocrystals observed by electron microscopy *(5 pages)* . . . . . 161406(R)
Zi-An Li, M. Spasova, Q. M. Ramasse, M. E. Gruner, C. Kisielowski, and M. Farle

Adsorption height alignment at heteromolecular hybrid interfaces *(6 pages)* . . . . . 161407(R)
Benjamin Stadtmüller, Sonja Schröder, François C. Bocquet, Caroline Henneke, Christoph Kleimann, Serguei Soubatch, Martin Willenbockel, Blanka Detlefs, Jörg Zegenhagen, Tien-Lin Lee, F. Stefan Tautz, and Christian Kumpf

Absence of the Aharonov-Bohm effect of chiral Majorana fermion edge states *(4 pages)* . . . . . 161408(R)
Sunghun Park, Joel E. Moore, and H.-S. Sim

Quantifying and controlling the magnetic dipole contribution to 1.5-μm light emission in erbium-doped yttrium oxide *(5 pages)* . . . . . 161409(R)
Dongfang Li, Mingming Jiang, Sébastien Cueff, Christopher M. Dodson, Sinan Karaveli, and Rashid Zia

ARTICLES

Electronic structure and strongly correlated systems

Electronic structure and excitations in oxygen deficient $CeO_{2-\delta}$ from DFT calculations *(7 pages)* 165101
T. Jarlborg, B. Barbiellini, C. Lane, Yung Jui Wang, R. S. Markiewicz, Zhi Liu, Zahid Hussain, and A. Bansil

Relaxation of atomic orbitals in a plane-wave basis *(8 pages)* 165102
Carlos L. Reis and José Luís Martins

Spectrum splitting of bimagnon excitations in a spatially frustrated Heisenberg antiferromagnet revealed by resonant inelastic x-ray scattering *(10 pages)* 165103
Cheng Luo, Trinanjan Datta, and Dao-Xin Yao

Quench dynamics in a model with tuneable integrability breaking *(20 pages)* 165104
F. H. L. Essler, S. Kehrein, S. R. Manmana, and N. J. Robinson

Auxiliary master equation approach to nonequilibrium correlated impurities *(17 pages)* 165105
Antonius Dorda, Martin Nuss, Wolfgang von der Linden, and Enrico Arrigoni

Shannon-Rényi entropies and participation spectra across three-dimensional $O(3)$ criticality *(14 pages)* 165106
David J. Luitz, Fabien Alet, and Nicolas Laflorencie

Fermi surface in the hidden-order state of URu_2Si_2 under intense pulsed magnetic fields up to 81 T *(12 pages)* . . . 165107
G. W. Scheerer, W. Knafo, D. Aoki, M. Nardone, A. Zitouni, J. Béard, J. Billette, J. Barata, C. Jaudet, M. Suleiman, P. Frings, L. Drigo, A. Audouard, T. D. Matsuda, A. Pourret, G. Knebel, and J. Flouquet

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 89, NUMBER 16** **APRIL 2014-15(II)**

Switchable invisibility cloak, anticloak, transparent cloak, superscatterer, and illusion for the Laplace equation *(7 pages)* 165108
Rong Feng Wang, Zhong Lei Mei, Xin Yu Yang, Xiang Ma, and Tie Jun Cui

Magnetic quantum phase diagram of magnetic impurities in two-dimensional disordered electron systems *(6 pages)* 165109
Hyun Yong Lee and Stefan Kettemann

Electronic structure and x-ray magnetic circular dichroism in $YbAgCu_4$ and $YbInCu_4$ *(9 pages)* 165110
V. N. Antonov, L. V. Bekenov, and V. P. Antropov

Symmetry-protected mode coupling near normal incidence for narrow-band transmission filtering in a dielectric grating *(9 pages)* 165111
J. M. Foley, S. M. Young, and J. D. Phillips

Electron thermalization and trapping rates in pure and doped alkali and alkaline-earth iodide crystals studied by picosecond optical absorption *(15 pages)* 165112
K. B. Ucer, G. Bizarri, A. Burger, A. Gektin, L. Trefilova, and R. T. Williams

Ergodicity of the hybridization-expansion Monte Carlo algorithm for broken-symmetry states *(6 pages)* 165113
P. Sémon, G. Sordi, and A.-M. S. Tremblay

Non-Fermi-liquid behavior of large-N_B quantum critical metals *(9 pages)* 165114
A. Liam Fitzpatrick, Shamit Kachru, Jared Kaplan, and S. Raghu

Theoretical study of insulating mechanism in multiorbital Hubbard models with a large spin-orbit coupling: Slater versus Mott scenario in Sr_2IrO_4 *(13 pages)* 165115
Hiroshi Watanabe, Tomonori Shirakawa, and Seiji Yunoki

In-plane terahertz response of thin film Sr_2RuO_4 *(5 pages)* 165116
Y. Takahashi, S. Chakraverty, M. Kawasaki, H. Y. Hwang, and Y. Tokura

Finite-temperature phase transitions in the ionic Hubbard model *(8 pages)* 165117
Aaram J. Kim, M. Y. Choi, and Gun Sang Jeon

Mechanism of ultrafast relaxation of a photo-carrier in antiferromagnetic spin background *(7 pages)* 165118
Denis Golež, Janez Bonča, Marcin Mierzejewski, and Lev Vidmar

Migdal's theorem and electron-phonon vertex corrections in Dirac materials *(8 pages)* 165119
Bitan Roy, Jay D. Sau, and S. Das Sarma

Magnetic-field-induced shift of the optical band gap in $Ni_3V_2O_8$ *(5 pages)* 165120
P. Chen, B. S. Holinsworth, K. R. O'Neal, T. V. Brinzari, D. Mazumdar, Y. Q. Wang, S. McGill, R. J. Cava, B. Lorenz, and J. L. Musfeldt

Dot-bound and dispersive states in graphene quantum dot superlattices *(6 pages)* 165121
A. Pieper, R. L. Heinisch, G. Wellein, and H. Fehske

Orbital-dependent electronic masses in Ce heavy-fermion materials studied via Gutzwiller density-functional theory *(10 pages)* 165122
Ruanchen Dong, Xiangang Wan, Xi Dai, and Sergey Y. Savrasov

Interaction-induced anomalous quantum Hall state on the honeycomb lattice *(9 pages)* 165123
Tanja Đurić, Nicholas Chancellor, and Igor F. Herbut

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 89, NUMBER 16** **APRIL 2014-15(II)**

Construction of edge states in fractional quantum Hall systems by Jack polynomials *(9 pages)* 165124
Ki Hoon Lee, Zi-Xiang Hu, and Xin Wan

Parent Hamiltonian for the non-Abelian chiral spin liquid *(5 pages)* 165125
Martin Greiter, Darrell F. Schroeter, and Ronny Thomale

Pair-density-wave superconducting states and electronic liquid-crystal phases *(19 pages)* 165126
Rodrigo Soto-Garrido and Eduardo Fradkin

Nearly compensated exchange in the dimer compound callaghanite $Cu_2Mg_2(CO_3)(OH)_6{\cdot}2H_2O$ *(11 pages)* 165127
Stefan Lebernegg, Alexander A. Tsirlin, Oleg Janson, and Helge Rosner

Broadband chirality and asymmetric transmission in ultrathin 90°-twisted Babinet-inverted metasurfaces *(7 pages)* 165128
J. H. Shi, H. F. Ma, C. Y. Guan, Z. P. Wang, and T. J. Cui

Exchange bias in a single $LaMnO_3$ film induced by vertical electronic phase separation *(6 pages)* 165129
J. J. Peng, C. Song, B. Cui, F. Li, H. J. Mao, Y. Y. Wang, G. Y. Wang, and F. Pan

GW calculations on post-transition-metal oxides *(8 pages)* 165130
Youngho Kang, Gijae Kang, Ho-Hyun Nahm, Seong-Ho Cho, Young Soo Park, and Seungwu Han

Spectrally resolved femtosecond reflectivity relaxation dynamics in undoped spin-density wave 122-structure iron-based pnictides *(9 pages)* 165131
A. Pogrebna, N.Vujičić , T. Mertelj, T. Borzda, G. Cao, Z. A. Xu, J.-H. Chu, I. R. Fisher, and D. Mihailovic

Symmetry enforced non-Abelian topological order at the surface of a topological insulator *(15 pages)* 165132
Xie Chen, Lukasz Fidkowski, and Ashvin Vishwanath

Electrodynamic modeling of strong coupling between a metasurface and intersubband transitions in quantum wells *(10 pages)* 165133
Salvatore Campione, Alexander Benz, John F. Klem, Michael B. Sinclair, Igal Brener, and Filippo Capolino

Intermediate and spin-liquid phase of the half-filled honeycomb Hubbard model *(6 pages)* 165134
Qiaoni Chen, George H. Booth, Sandeep Sharma, Gerald Knizia, and Garnet Kin-Lic Chan

Effects of short-ranged interactions on the Kane-Mele model without discrete particle-hole symmetry *(9 pages)* 165135
Hsin-Hua Lai and Hsiang-Hsuan Hung

Chalker scaling, level repulsion, and conformal invariance in critically delocalized quantum matter: Disordered topological superconductors and artificial graphene *(16 pages)* 165136
Yang-Zhi Chou and Matthew S. Foster

Ultrafast terahertz dynamics of hot Dirac-electron surface scattering in the topological insulator Bi_2Se_3 *(8 pages)* 165137
Sangwan Sim, Matthew Brahlek, Nikesh Koirala, Soonyoung Cha, Seongshik Oh, and Hyunyong Choi

Mott-Anderson transition in disordered charge-transfer model: Insights from typical medium theory *(9 pages)* . . . 165138
W. S. Oliveira, M. C. O. Aguiar, and V. Dobrosavljević

Third-harmonic generation in one-dimensional photonic crystal with graphene-based defect *(6 pages)* 165139
M. A. Vincenti, D. de Ceglia, M. Grande, A. D'Orazio, and M. Scalora

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 89, NUMBER 16** **APRIL 2014-15(II)**

Microscopic evidence for strong periodic lattice distortion in two-dimensional charge-density wave systems *(5 pages)* 165140
Jixia Dai, Eduardo Calleja, Jacob Alldredge, Xiangde Zhu, Lijun Li, Wenjian Lu, Yuping Sun, Thomas Wolf, Helmuth Berger, and Kyle McElroy

Microscopic observation of superconducting fluctuations in κ-(BEDT-TTF)$_2$Cu[N(CN)$_2$]Br by ^{13}C NMR spectroscopy *(5 pages)* 165141
T. Kobayashi, Y. Ihara, Y. Saito, and A. Kawamoto

Semiconductors I: bulk

Indirect-to-direct gap transition in strained and unstrained Sn_xGe_{1-x} alloys *(9 pages)* 165201
C. Eckhardt, K. Hummer, and G. Kresse

Exchange interaction and its tuning in magnetic binary chalcogenides *(7 pages)* 165202
M. G. Vergniory, M. M. Otrokov, D. Thonig, M. Hoffmann, I. V. Maznichenko, M. Geilhufe, X. Zubizarreta, S. Ostanin, A. Marmodoro, J. Henk, W. Hergert, I. Mertig, E. V. Chulkov, and A. Ernst

Semiconductors II: surfaces, interfaces, microstructures, and related topics

Theory of dynamic nuclear polarization and feedback in quantum dots *(22 pages)* 165301
Sophia E. Economou and Edwin Barnes

Accuracy evaluation and mechanism crossover of single-electron transfer in Si tunable-barrier turnstiles *(9 pages)* 165302
Gento Yamahata, Katsuhiko Nishiguchi, and Akira Fujiwara

Proximity effect on spin-dependent conductance and thermopower of correlated quantum dots *(11 pages)* 165303
Krzysztof P. Wójcik and Ireneusz Weymann

Honeycomb network of indium trimers and monomers on Si(111)-(2×2) *(5 pages)* 165304
Se Gab Kwon and Myung Ho Kang

Valence-band orbital character of CdO: A synchrotron-radiation photoelectron spectroscopy and density functional theory study *(7 pages)* 165305
J. J. Mudd, Tien-Lin Lee, V. Muñoz-Sanjosé, J. Zúñiga-Pérez, D. J. Payne, R. G. Egdell, and C. F. McConville

Wave-function description of conductance mapping for a quantum Hall electron interferometer *(8 pages)* 165306
K. Kolasiński and B. Szafran

Spin torques and charge transport on the surface of topological insulator *(21 pages)* 165307
Akio Sakai and Hiroshi Kohno

Charge transport in two dimensions limited by strong short-range scatterers: Going beyond parabolic dispersion and Born approximation *(7 pages)* 165308
Břetislav Šopík, Janik Kailasvuori, and Maxim Trushin

Effect of a spin-active interface on proximity-induced superconductivity in topological insulators *(5 pages)* 165309
Christopher Triola, E. Rossi, and Alexander V. Balatsky

Electron transport in quantum wire superlattices *(12 pages)* 165310
Thomas Grange

Hole transport and valence-band dispersion law in a HgTe quantum well with a normal energy spectrum *(6 pages)* 165311
G. M. Minkov, A. V. Germanenko, O. E. Rut, A. A. Sherstobitov, S. A. Dvoretski, and N. N. Mikhailov

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 89, NUMBER 16** **APRIL 2014-15(II)**

Electronic structures of GaP(100) surface reconstructions probed with two-photon photoemission spectroscopy *(8 pages)* 165312
Philipp Sippel, Oliver Supplie, Matthias M. May, Rainer Eichberger, and Thomas Hannappel

Even-denominator fractional quantum Hall effect at a Landau level crossing *(6 pages)* 165313
Yang Liu, S. Hasdemir, D. Kamburov, A. L. Graninger, M. Shayegan, L. N. Pfeiffer, K. W. West, K. W. Baldwin, and R. Winkler

Subtle leakage of a Majorana mode into a quantum dot *(5 pages)* 165314
E. Vernek, P. H. Penteado, A. C. Seridonio, and J. C. Egues

Surface physics, nanoscale physics, low-dimensional systems

Anisotropic behavior of quantum transport in graphene superlattices: Coexistence of ballistic conduction with Anderson insulating regime *(5 pages)* 165401
Jesper Goor Pedersen, Aron W. Cummings, and Stephan Roche

Clustered impurities and carrier transport in supported graphene *(8 pages)* 165402
N. Sule, S. C. Hagness, and I. Knezevic

Interaction-enhanced electron-hole and valley asymmetries in the lowest Landau level of ABA-stacked trilayer graphene *(10 pages)* 165403
K. Shizuya

Out-of-equilibrium charge dynamics in a hybrid circuit quantum electrodynamics architecture *(4 pages)* 165404
J. J. Viennot, M. R. Delbecq, M. C. Dartiailh, A. Cottet, and T. Kontos

Fractional fermion charges induced by axial-vector and vector gauge potentials and parity anomaly in planar graphenelike structures *(10 pages)* 165405
Angel E. Obispo and Marcelo Hott

Theory of integer quantum Hall polaritons in graphene *(17 pages)* 165406
F. M. D. Pellegrino, L. Chirolli, Rosario Fazio, V. Giovannetti, and Marco Polini

Combined effect of stacking and magnetic field on plasmon excitations in bilayer graphene *(8 pages)* 165407
Jhao-Ying Wu, Godfrey Gumbs, and Ming-Fa Lin

Electronic structure and magnetic properties of Mn and Fe impurities near the GaAs (110) surface *(15 pages)* 165408
M. R. Mahani, M. Fhokrul Islam, A. Pertsova, and C. M. Canali

Near-field and SERS enhancement from rough plasmonic nanoparticles *(6 pages)* 165409
Andreas Trügler, Jean-Claude Tinguely, Georg Jakopic, Ulrich Hohenester, Joachim R. Krenn, and Andreas Hohenau

Electronic excitations of helium bilayers on a metal substrate *(7 pages)* 165410
S. Kossler, P. Feulner, and J.-P. Gauyacq

Transport properties of fully screened Kondo models *(21 pages)* 165411
Christoph B. M. Hörig, Christophe Mora, and Dirk Schuricht

Topological properties of the mesoscopic graphene plaquette: Quantum spin Hall effect due to spin imbalance *(11 pages)* 165412
B. Ostahie, M. Niţă, and A. Aldea

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 89, NUMBER 16** **APRIL 2014-15(II)**

Finite-bias spectroscopy of a three-terminal graphene quantum dot in the multilevel regime *(6 pages)* 165413
Arnhild Jacobsen, Pauline Simonet, Klaus Ensslin, and Thomas Ihn

Determination of corrugation and friction of Cu(111) toward adsorption and motion of Ne and Xe *(5 pages)* 165414
Y. N. Zhang, V. Bortolani, and G. Mistura

Josephson coupling through one-dimensional ballistic channel in semiconductor-superconductor hybrid quantum point contacts *(6 pages)* 165415
Hiroshi Irie, Yuichi Harada, Hiroki Sugiyama, and Tatsushi Akazaki

Thermal conductance as a probe of the nonlocal order parameter for a topological superconductor with gauge fluctuations *(5 pages)* 165416
B. van Heck, E. Cobanera, J. Ulrich, and F. Hassler

Out-of-plane magnetoresistance in ferromagnet/graphene/ferromagnet spin-valve junctions *(7 pages)* 165417
Jae-Hyun Park and Hu-Jong Lee

Isotope effect in acetylene C_2H_2 and C_2D_2 rotations on Cu(001) *(11 pages)* 165418
Yulia E. Shchadilova, Sergei G. Tikhodeev, Magnus Paulsson, and Hiromu Ueba

Spin effects in thermoelectric properties of Al- and P-doped zigzag silicene nanoribbons *(13 pages)* 165419
K. Zberecki, R. Swirkowicz, and J. Barnaś

Hexagonal warping on spin texture, Hall conductivity, and circular dichroism of topological insulators *(11 pages)* 165420
Zhou Li and J. P. Carbotte

Plasmon-mediated Coulomb drag between graphene waveguides *(6 pages)* 165421
Artsem A. Shylau and Antti-Pekka Jauho

Scaling behavior of the insulator-to-plateau transition in a topological band model *(7 pages)* 165422
Jeremie Priest, S. P. Lim, and D. N. Sheng

Observation of type-II recombination in single wurtzite/zinc-blende GaAs heterojunction nanowires *(8 pages)* . . . 165423
Neimantas Vainorius, Daniel Jacobsson, Sebastian Lehmann, Anders Gustafsson, Kimberly A. Dick, Lars Samuelson, and Mats-Erik Pistol

Role of surface passivation in the formation of Dirac states at polar surfaces of topological crystalline insulators: The case of SnTe(111) *(7 pages)* 165424
S. V. Eremeev, Yu. M. Koroteev, I. A. Nechaev, and E. V. Chulkov

Dynamical localization in a chain of hard core bosons under periodic driving *(5 pages)* 165425
Tanay Nag, Sthitadhi Roy, Amit Dutta, and Diptiman Sen

Surface diffusion of Pb atoms on the Si(553)-Au surface in narrow quasi-one-dimensional channels *(6 pages)* 165426
P. Nita, K. Palotás, M. Jałochowski, and M. Krawiec

Plasmonic lifetimes and propagation lengths in metallodielectric superlattices *(11 pages)* 165427
Goran Isić, Radoš Gajić, and Slobodan Vuković

X-ray analysis of wurtzite-type CoO(111) films on Ir(001): Correlation of structure, stress, electronic, and magnetic properties *(10 pages)* 165428
Sumalay Roy, H. L. Meyerheim, K. Mohseni, Z. Tian, D. Sander, M. Hoffmann, W. Adeagbo, A. Ernst, W. Hergert, R. Felici, and J. Kirschner

(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).

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 89, NUMBER 16** **APRIL 2014-15(II)**

Modes and resonances of plasmonic scatterers *(11 pages)* 165429
Jouni Mäkitalo, Martti Kauranen, and Saku Suuriniemi

Energy bands in graphene: Comparison between the tight-binding model and *ab initio* calculations *(7 pages)* 165430
E. Kogan, V. U. Nazarov, V. M. Silkin, and M. Kaveh

Rashba splitting and relativistic energy shifts in In/Si(111) nanowires *(11 pages)* 165431
U. Gerstmann, N. J. Vollmers, A. Lücke, M. Babilon, and W. G. Schmidt