PHYSICAL REVIEW B™

For editorial and subscription correspondence, please see inside front cover
(ISSN: 2469-9950)

PERIODICALS
Postmaster send address changes to:

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

THIRD SERIES, VOLUME 102, NUMBER 7 ***CONTENTS*** **AUGUST 2020-15(I)**

ARTICLES

Electronic structure and strongly correlated systems

Quantum interference effects of out-of-plane confinement on two-dimensional electron systems in oxides *(9 pages)* 075101
A. F. Santander-Syro, J. Dai, T. C. Rödel, E. Frantzeskakis, F. Fortuna, R. Weht, and M. J. Rozenberg

Nonlocal effects and enhanced nonreciprocity in current-driven graphene systems *(10 pages)* 075102
Tiago A. Morgado and Mário G. Silveirinha

Symmetry analysis and multipole classification of eigenmodes in electromagnetic resonators for engineering their optical properties *(12 pages)* 075103
Sergey Gladyshev, Kristina Frizyuk, and Andrey Bogdanov

Variational quantum eigensolver for frustrated quantum systems *(6 pages)* 075104
Alexey Uvarov, Jacob D. Biamonte, and Dmitry Yudin

Instantaneous braids and Dehn twists in topologically ordered states *(44 pages)* 075105
Guanyu Zhu, Ali Lavasani, and Maissam Barkeshli

Microscopic magnetic Hamiltonian for exotic spin textures in metals *(6 pages)* 075106
Deepak S. Kathyat, Arnob Mukherjee, and Sanjeev Kumar

Anomalous light transport induced by deeply subwavelength quasiperiodicity in multilayered dielectric metamaterials *(13 pages)* 075107
Marino Coppolaro, Giuseppe Castaldi, and Vincenzo Galdi

Resonating valence bond theory of anomalous spin dynamics of spin-$\frac{1}{2}$ triangular lattice Heisenberg antiferromagnet and its application to $Ba_3CoSb_2O_9$ *(10 pages)* 075108
Chun Zhang and Tao Li

Vacancies in graphene: Dirac physics and fractional vacuum charges *(6 pages)* 075109
Omrie Ovdat, Yaroslav Don, and Eric Akkermans

Quadrupolar spin liquid, octupolar Kondo coupling, and odd-frequency superconductivity in an exactly solvable model *(16 pages)* 075110
Carlene S. de Farias, Vanuildo S. de Carvalho, Eduardo Miranda, and Rodrigo G. Pereira

Near Fermi level electronic structure of Ti_3SiC_2 revealed by angle-resolved photoemission spectroscopy *(11 pages)* 075111
Damir Pinek, Takahiro Ito, Kanji Furuta, Youngsoo Kim, Masashi Ikemoto, Shin-ichiro Ideta, Kiyohisa Tanaka, Masashi Nakatake, Patrick Le Fèvre, Francois Bertran, and Thierry Ouisse

Copyright 2020 by American Physical Society

(Continued)

2469-9950(20200815)102:7;1-A

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 102, NUMBER 7** **AUGUST 2020-15(I)**

Anomalous Hall effect in κ-type organic antiferromagnets *(11 pages)* 075112
Makoto Naka, Satoru Hayami, Hiroaki Kusunose, Yuki Yanagi, Yukitoshi Motome, and Hitoshi Seo

Thermal Hall effect in the pseudogap phase of cuprates *(5 pages)* 075113
Chandra M. Varma

Resistivity phase diagram of cuprates revisited *(11 pages)* 075114
D. Pelc, M. J. Veit, C. J. Dorow, Y. Ge, N. Barišić, and M. Greven

Quantitative and qualitative performance of density functional theory rationalized by reduced density gradient distributions *(13 pages)* 075115
Ageo Meier de Andrade, Jolla Kullgren, and Peter Broqvist

Effect of topology on quasiparticle interactions in the Weyl semimetal WP_2 *(9 pages)* 075116
Dirk Wulferding, Peter Lemmens, Florian Büscher, David Schmeltzer, Claudia Felser, and Chandra Shekhar

Stoichiometric and off-stoichiometric full Heusler $Fe_2V_{1-x}W_xAl$ thermoelectric systems *(11 pages)* 075117
B. Hinterleitner, P. Fuchs, J. Rehak, F. Garmroudi, M. Parzer, M. Waas, R. Svagera, S. Steiner, M. Kishimoto, R. Moser, R. Podloucky, and E. Bauer

Photoinduced dynamics of excitonic order and Rabi oscillations in the two-orbital Hubbard model *(20 pages)* 075118
Yasuhiro Tanaka and Kenji Yonemitsu

Chiral sensing with achiral isotropic metasurfaces *(15 pages)* 075119
Sotiris Droulias

Atomic frustrated impurity states in Weyl metals *(5 pages)* 075120
W. N. Mizobata, Y. Marques, M. Penha, J. E. Sanches, L. S. Ricco, M. de Souza, I. A. Shelykh, and A. C. Seridonio

Nonequilibrium interplay between Andreev bound states and Kondo effect *(12 pages)* 075121
Jiangbo He, Dong Pan, Guang Yang, Mingli Liu, Jianghua Ying, Zhaozheng Lyu, Jie Fan, Xiunian Jing, Guangtong Liu, Bo Lu, Dong E. Liu, Jianhua Zhao, Li Lu, and Fanming Qu

Optical conductivity of the type-II Weyl semimetal WTe_2 under pressure *(9 pages)* 075122
M. Krottenmüller, J. Ebad-Allah, V. Süss, C. Felser, and C. A. Kuntscher

Dynamics of the vacuum state in a periodically driven Rydberg chain *(16 pages)* 075123
Bhaskar Mukherjee, Arnab Sen, Diptiman Sen, and K. Sengupta

Thickness dependence of electronic structure and optical properties of a correlated van der Waals antiferromagnetic $NiPS_3$ thin film *(8 pages)* 075124
Christopher Lane and Jian-Xin Zhu

Thermodynamic classification of three-dimensional Kitaev spin liquids *(24 pages)* 075125
Tim Eschmann, Petr A. Mishchenko, Kevin O'Brien, Troels A. Bojesen, Yasuyuki Kato, Maria Hermanns, Yukitoshi Motome, and Simon Trebst

Magnetic field induced structural changes in magnetite observed by resonant x-ray diffraction and Mössbauer spectroscopy *(15 pages)* 075126
T. Kołodziej, I. Biało, W. Tabiś, M. Zubko, J. Żukrowski, K. Łątka, J. E. Lorenzo, C. Mazzoli, Z. Kąkol, A. Kozłowski, Z. Tarnawski, E. Wilke, P. Babik, V. Chlan, R. Řezníček, H. Štěpánková, P. Novák, Y. Joly, J. Niewolski, and J. M. Honig

(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 102, NUMBER 7** **AUGUST 2020-15(I)**

Low-frequency behavior of off-diagonal matrix elements in the integrable XXZ chain and in a locally perturbed quantum-chaotic XXZ chain *(7 pages)* 075127
Marlon Brenes, John Goold, and Marcos Rigol

Majorana molecules and their spectral fingerprints *(6 pages)* 075128
J. E. Sanches, L. S. Ricco, Y. Marques, W. N. Mizobata, M. de Souza, I. A. Shelykh, and A. C. Seridonio

Elastic properties of hidden order in URu_2Si_2 are reproduced by a staggered nematic *(9 pages)* 075129
Jaron Kent-Dobias, Michael Matty, and B. J. Ramshaw

Pressure and magnetic field effects on ferroelastic and antiferromagnetic orderings in honeycomb-lattice $Mn_2V_2O_7$ *(8 pages)* 075130
H. C. Wu, D. J. Hsieh, T. W. Yen, P. J. Sun, D. Chandrasekhar Kakarla, J. L. Her, Y. H. Matsuda, C. K. Chang, Y. C. Lai, M. Gooch, L. Z. Deng, K. G. Webber, C. A. Lee, Mitch M. C. Chou, C. W. Chu, and H. D. Yang

Quantum field theory of topological spin dynamics *(40 pages)* 075131
Predrag Nikolić

η-pairing states as true scars in an extended Hubbard model *(18 pages)* 075132
Daniel K. Mark and Olexei I. Motrunich

Ferromagnetic hybrid nodal loop and switchable type-I and type-II Weyl fermions in two dimensions *(8 pages)* 075133
Tingli He, Xiaoming Zhang, Ying Liu, Xuefang Dai, Guodong Liu, Zhi-Ming Yu, and Yugui Yao

Spectroscopic signatures of next-nearest-neighbor hopping in the charge and spin dynamics of doped one-dimensional antiferromagnets *(12 pages)* 075134
Umesh Kumar, Alberto Nocera, Gregory Price, Kenneth Stiwinter, Steven Johnston, and Trinanjan Datta

Commuting projector models for (3+1)-dimensional topological superconductors via a string net of (1+1)-dimensional topological superconductors *(14 pages)* 075135
Ryohei Kobayashi

Higgs-like modes in two-dimensional spatially indirect exciton condensates *(10 pages)* 075136
Fei Xue, Fengcheng Wu, and A. H. MacDonald

Origin of the large magnetoresistance in the candidate chiral superconductor $4H_b$-TaS_2 *(6 pages)* 075138
J. J. Gao, J. G. Si, X. Luo, J. Yan, Z. Z. Jiang, W. Wang, Y. Y. Han, P. Tong, W. H. Song, X. B. Zhu, Q. J. Li, W. J. Lu, and Y. P. Sun

Large magnetoresistance and quantum oscillations of a ternary boride MoAlB single crystal *(6 pages)* 075139
Lingxiao Zhao, Liangcai Xu, Linchao Ding, Huakun Zuo, and Zengwei Zhu

Signatures of multiple charge excitations in resonant inelastic x-ray scattering spectra of metals *(13 pages)* 075140
I. S. Tupitsyn, A. M. Tsvelik, R. M. Konik, and N. V. Prokof'ev

Topological Dirac states in a layered telluride $TaPdTe_5$ with quasi-one-dimensional $PdTe_2$ chains *(11 pages)* 075141
Wen-He Jiao, Xiao-Meng Xie, Yi Liu, Xiaofeng Xu, Bin Li, Chun-Qiang Xu, Ji-Yong Liu, Wei Zhou, Yu-Ke Li, Hai-Yang Yang, Shan Jiang, Yongkang Luo, Zeng-Wei Zhu, and Guang-Han Cao

Diagnosis of explicit symmetry breaking in the tight-binding constructions for symmetry-protected topological systems *(5 pages)* 075142
Xiaoyu Wang and Oskar Vafek

(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 102, NUMBER 7** **AUGUST 2020-15(I)**

Unfolding optical transition weights of impurity materials for first-principles LCAO electronic structure calculations *(9 pages)* 075143
Yung-Ting Lee, Chi-Cheng Lee, Masahiro Fukuda, and Taisuke Ozaki

Electrically thick Fabry-Perot omega bianisotropic metasurfaces as virtual antireflective coatings and nonlocal field transformers *(17 pages)* 075144
Sherman W. Marcus and Ariel Epstein

Universal nonequilibrium *I-V* curve near the two-channel Kondo-Luttinger quantum critical point *(14 pages)* 075145
C.-Y. Lin, Y.-Y. Chang, C. Rylands, N. Andrei, and C.-H. Chung

Supersymmetry method for interacting chaotic and disordered systems: The Sachdev-Ye-Kitaev model *(16 pages)* 075146
Tigran A. Sedrakyan and Konstantin B. Efetov

Loop update for infinite projected entangled-pair states in two spatial dimensions *(7 pages)* 075147
Yi Zheng and Shuo Yang

Flat bands in the CoSn-type compounds *(11 pages)* 075148
William R. Meier, Mao-Hua Du, Satoshi Okamoto, Narayan Mohanta, Andrew F. May, Michael A. McGuire, Craig A. Bridges, German D. Samolyuk, and Brian C. Sales

Restoring the continuum limit in the time-dependent numerical renormalization group approach *(25 pages)* 075149
Jan Böker and Frithjof B. Anders

Semiconductors I: bulk

Resonant spin amplification meets electron spin resonance in *n*-GaAs *(8 pages)* 075201
V. V. Belykh, D. N. Sob'yanin, and A. R. Korotneva

Accurate modeling of electron-hole binding in CuCl. I. Exciton states *(8 pages)* 075202
Selvakumar V. Nair, Junko Usukura, and Eiji Tokunaga

Accurate modeling of electron-hole binding in CuCl. II. Biexciton wavefunction *(10 pages)* 075203
Junko Usukura, Selvakumar V. Nair, and Eiji Tokunaga

Excitonic stimulated emission from $Mg_xZn_{1-x}O$ films due to enhanced exciton binding energy *(11 pages)* 075204
Shusuke Fujii, Yutaka Adachi, and Takashi Uchino

Intracavity third-harmonic generation in Si:B pumped by intense terahertz pulses *(9 pages)* 075205
Fanqi Meng, Mark D. Thomson, Qamar ul-Islam, Bernhard Klug, Alexej Pashkin, Harald Schneider, and Hartmut G. Roskos

Pressure dependence of the interlayer and intralayer E_{2g} Raman-active modes of hexagonal BN up to the wurtzite phase transition *(7 pages)* 075206
Ramon Cuscó, Julio Pellicer-Porres, James H. Edgar, Jiahan Li, Alfredo Segura, and Luis Artús

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

Two-dimensional electron gas of the In_2O_3 surface: Enhanced thermopower, electrical transport properties, and reduction by adsorbates or compensating acceptor doping *(10 pages)* 075301
Alexandra Papadogianni, Julius Rombach, Theresa Berthold, Vladimir Polyakov, Stefan Krischok, Marcel Himmerlich, and Oliver Bierwagen

(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 102, NUMBER 7** **AUGUST 2020-15(I)**

Quantum Hall states in inverted HgTe quantum wells probed by transconductance fluctuations *(9 pages)* 075302
S. Mantion, C. Avogadri, S. S. Krishtopenko, S. Gebert, S. Ruffenach, C. Consejo, S. V. Morozov, N. N. Mikhailov, S. A. Dvoretskii, W. Knap, S. Nanot, F. Teppe, and B. Jouault

Analysis of mobility-limiting mechanisms of the two-dimensional hole gas on hydrogen-terminated diamond *(10 pages)* 075303
Ricardo Peterson, Mohamadali Malakoutian, Xiaoqing Xu, Caitlin Chapin, Srabanti Chowdhury, and Debbie G. Senesky

Quantum Hall effect in wedge-shaped samples *(7 pages)* 075304
Shu-guang Cheng, Hua Jiang, Qing-Feng Sun, and X. C. Xie

Hydrodynamic electron transport near charge neutrality *(12 pages)* 075305
Songci Li, Alex Levchenko, and A. V. Andreev

Large-gap topological insulators in functionalized ordered double transition metal carbide MXenes *(8 pages)* 075306
Zhi-Quan Huang, Mei-Ling Xu, Gennevieve Macam, Chia-Hsiu Hsu, and Feng-Chuan Chuang

Interplay between fractional quantum Hall liquid and crystal phases at low filling *(12 pages)* 075307
Zheng-Wei Zuo, Ajit C. Balram, Songyang Pu, Jianyun Zhao, Thierry Jolicoeur, A. Wójs, and J. K. Jain

Finite-size effects in wave transmission through plasmonic crystals: A tale of two scales *(18 pages)* 075308
Matthias Maier, Mitchell Luskin, and Dionisios Margetis

Spectral properties of a Co-decorated quasi-two-dimensional GaSe layer *(7 pages)* 075309
Ireneusz Weymann, Maciej Zwierzycki, and Stefan Krompiewski

Pseudospin-electric coupling for holes beyond the envelope-function approximation *(11 pages)* 075310
Pericles Philippopoulos, Stefano Chesi, Dimitrie Culcer, and W. A. Coish

Efficient two-qubit pulse sequences beyond CNOT *(19 pages)* 075311
D. Zeuch and N. E. Bonesteel

Statistically modeling optical linewidths of nitrogen vacancy centers in microstructures *(9 pages)* 075312
M. Kasperczyk, J. A. Zuber, A. Barfuss, J. Kölbl, V. Yurgens, S. Flågan, T. Jakubczyk, B. Shields, R. J. Warburton, and P. Maletinsky

Surface physics, nanoscale physics, low-dimensional systems

Ultrafast exciton dynamics in one- and two-dimensional *para*-sexiphenyl clusters *(16 pages)* 075401
Luxia Wang, Thomas Plehn, and Volkhard May

Signatures of possible surface states in TaAs *(9 pages)* 075402
Nityan L. Nair, Marie-Eve Boulanger, Francis Laliberté, Sinead Griffin, Sanyum Channa, Anaelle Legros, Wojciech Tabis, Cyril Proust, Jeffrey Neaton, Louis Taillefer, and James G. Analytis

Bulk topological proximity effect in multilayer systems *(5 pages)* 075403
Jaromir Panas, Bernhard Irsigler, Jun-Hui Zheng, and Walter Hofstetter

Diagnosis of bulk phase diagram of nonreciprocal topological lattices by impurity modes *(10 pages)* 075404
Yanxia Liu and Shu Chen

Current vortices in aromatic carbon molecules *(10 pages)* 075405
Thomas Stegmann, John A. Franco-Villafañe, Yenni P. Ortiz, Michael Deffner, Carmen Herrmann, Ulrich Kuhl, Fabrice Mortessagne, Francois Leyvraz, and Thomas H. Seligman

(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 102, NUMBER 7** **AUGUST 2020-15(I)**

Defect formation in a graphene overlayer on ruthenium under high pressure *(11 pages)* 075406
Michele Pisarra, Cristina Díaz, and Fernando Martín

Topological valley transport of gapped Dirac magnons in bilayer ferromagnetic insulators *(7 pages)* 075407
Xuechao Zhai and Yaroslav M. Blanter

Enhanced CO tolerance of Pt clusters supported on graphene with lattice vacancies *(11 pages)* 075408
Yuji Hamamoto, Sasfan Arman Wella, Kouji Inagaki, Frank Abild-Pedersen, Thomas Bligaard, Ikutaro Hamada, and Yoshitada Morikawa

Disorder information from conductance: A quantum inverse problem *(6 pages)* 075409
S. Mukim, F. P. Amorim, A. R. Rocha, R. B. Muniz, C. Lewenkopf, and M. S. Ferreira

Magnetoplasmon resonances in nanoparticles *(6 pages)* 075410
Thomas Garm Pedersen

Effective low-energy RKKY interaction in doped topological crystalline insulators *(16 pages)* 075411
Mohsen Yarmohammadi and Hosein Cheraghchi

Light-induced bound electron states in two-dimensional systems: Contribution to electron transport *(10 pages)* . . . 075412
O. V. Kibis, M. V. Boev, and V. M. Kovalev

Origin and evolution of ultraflat bands in twisted bilayer transition metal dichalcogenides: Realization of triangular quantum dots *(11 pages)* 075413
Mit H. Naik, Sudipta Kundu, Indrajit Maity, and Manish Jain

Interfacial characteristics, Schottky contact, and optical performance of a graphene/Ga_2SSe van der Waals heterostructure: Strain engineering and electric field tunability *(10 pages)* 075414
Hong T. T. Nguyen, Mohammed M. Obeid, Asadollah Bafekry, M. Idrees, Tuan V. Vu, Huynh V. Phuc, Nguyen N. Hieu, Le T. Hoa, Bin Amin, and Chuong V. Nguyen

Hole-phonon interactions in quantum dots: Effects of phonon confinement and encapsulation materials on spin-orbit qubits *(16 pages)* 075415
Jing Li, Benjamin Venitucci, and Yann-Michel Niquet

Orientational ordering of point dipoles on a sphere *(9 pages)* 075416
Andraž Gnidovec and Simon Čopar

Flexoinduced ferroelectricity in low-dimensional transition metal dichalcogenides *(13 pages)* 075417
Anna N. Morozovska, Eugene A. Eliseev, Galina I. Dovbeshko, Maya D. Glinchuk, Yunseok Kim, and Sergei V. Kalinin

Roles of nitrogen substitution and surface reconstruction in stabilizing nonpassivated single-layer diamond *(6 pages)* 075418
T. Pakornchote, A. Ektarawong, W. Busayaporn, U. Pinsook, and T. Bovornratanaraks

Magnetization generated by microwave-induced Rashba interaction *(9 pages)* 075419
O. Entin-Wohlman, R. I. Shekhter, M. Jonson, and A. Aharony

Entropy-controlled fully reversible nanostructure formation of Ge on miscut vicinal Si(001) surfaces *(13 pages)* 075420
Christian Grossauer, Vaclav Holy, and Gunther Springholz

(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 102, NUMBER 7** **AUGUST 2020-15(I)**

Topological edge states of a graphene zigzag nanoribbon with spontaneous edge magnetism *(8 pages)* 075421
Ma Luo

Fast evaluation of interaction integrals for confined systems with machine learning *(8 pages)* 075422
A. Mreńca-Kolasińska, K. Kolasiński, and B. Szafran

Highly ordered silicide ripple patterns induced by medium-energy ion irradiation *(11 pages)* 075423
A. Redondo-Cubero, F. J. Palomares, R. Hübner, R. Gago, and L. Vázquez

Non-Abelian braiding of Majorana-like edge states and topological quantum computations in electric circuits *(16 pages)* 075424
Motohiko Ezawa

Electron transport properties of graphene nanoribbons with Gaussian deformation *(13 pages)* 075425
Van-Truong Tran, Jérôme Saint-Martin, and Philippe Dollfus

Melting of spatially modulated phases at domain wall/surface junctions in antiferrodistortive multiferroics *(14 pages)* 075426
Anna N. Morozovska, Eugene A. Eliseev, Deyang Chen, Vladislav Shvetz, Christopher T. Nelson, and Sergei V. Kalinin

Atomistic structure learning algorithm with surrogate energy model relaxation *(10 pages)* 075427
Henrik Lund Mortensen, Søren Ager Meldgaard, Malthe Kjær Bisbo, Mads-Peter V. Christiansen, and Bjørk Hammer

Gate-tunable Casimir equilibria with transparent conductive oxides *(7 pages)* 075428
Lixin Ge, Xi Shi, Liang Liu, and Ke Gong

Quantum dots in AA-stacked bilayer graphene *(8 pages)* 075429
H. S. Qasem, H. M. Abdullah, M. A. Shukri, H. Bahlouli, and U. Schwingenschlögl

Transport properties of Majorana drumhead surface states in topological nodal-ring superconductors *(8 pages)* . . . 075430
Pei-Hao Fu, Jun-Feng Liu, and Jiansheng Wu

Boron kagome-layer induced intrinsic superconductivity in a MnB_3 monolayer with a high critical temperature *(6 pages)* 075431
Ziyang Qu, Fanjunjie Han, Tong Yu, Meiling Xu, Yinwei Li, and Guochun Yang

Thermoelectric transport properties of ferromagnetic graphene with CT-invariant quantum spin Hall effect *(11 pages)* 075432
Miaomiao Wei, Min Zhou, Bin Wang, and Yanxia Xing

Rippling of two-dimensional materials by line defects *(7 pages)* 075433
Topi Kähärä and Pekka Koskinen

Long-range perturbation of helical edge states by nonmagnetic defects in two-dimensional topological insulators *(11 pages)* 075434
Vladimir A. Sablikov

Exchange splitting and exchange-induced nonreciprocal photonic behavior of graphene in CrI_3-graphene van der Waals heterostructures *(9 pages)* 075435
Alexander M. Holmes, Samaneh Pakniyat, S. Ali Hassani Gangaraj, Francesco Monticone, Michael Weinert, and George W. Hanson

(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 102, NUMBER 7** **AUGUST 2020-15(I)**

Fermi resonance in the Raman spectrum of graphene *(11 pages)* 075436
Dipankar Kalita, Michele Amato, Alexandre Artaud, Laëtitia Marty, Vincent Bouchiat, Johann Coraux, Christian Brouder, Michele Lazzeri, and Nedjma Bendiab

All-electrical spectroscopy of topological phases in semiconductor-superconductor heterostructures *(12 pages)* 075437
Doru Sticlet, Cătălin Paşcu Moca, and Balázs Dóra

View on Si(111)-(5×2)-Au with plasmon spectroscopy *(7 pages)* 075438
Z. Mamiyev and H. Pfnür

Dynamical decoupling and recoupling of the Wigner solid to a liquid helium substrate *(6 pages)* 075439
David G. Rees, Sheng-Shiuan Yeh, Ban-Chen Lee, Simon K. Schnyder, Francis I. B. Williams, Juhn-Jong Lin, and Kimitoshi Kono

Linearized spectral decimation in fractals *(9 pages)* 075440
Askar A. Iliasov, Mikhail I. Katsnelson, and Shengjun Yuan

Bond strengthening in lateral heterostructures of transition metal dichalcogenides *(5 pages)* 075441
Il-Seok Jeong, Eun Gong Ahn, and Joo-Hyoung Lee

Spatial ordering of the charge density waves in $NbSe_3$ *(7 pages)* 075442
M. A. van Midden, H. J. P. van Midden, A. Prodan, J. C. Bennett, and E. Zupanič

Magnetic Fabry-Pérot interferometer for valley filtering in a honeycomb-dice model *(11 pages)* 075443
F. Bouhadida, L. Mandhour, and S. Charfi-Kaddour

Optical excitations and thermoelectric properties of two-dimensional holey graphene *(10 pages)* 075444
Deobrat Singh, Vivekanand Shukla, and Rajeev Ahuja

Observation of microwave-induced resistance oscillations in a contactless geometry *(5 pages)* 075445
A. V. Shchepetilnikov, A. R. Khisameeva, Yu. A. Nefyodov, S. Schmult, and I. V. Kukushkin

Quantum emitter interacting with a *h*-BN layer in the strong-coupling regime *(8 pages)* 075446
Vasilios Karanikolas

Vertical bonding distances and interfacial band structure of PTCDA on a Sn-Ag surface alloy *(10 pages)* 075447
Johannes Knippertz, Leah L. Kelly, Markus Franke, Christian Kumpf, Mirko Cinchetti, Martin Aeschlimann, and Benjamin Stadtmüller

Landau-Zener-Stückelberg-Majorana interferometry of a superconducting qubit in front of a mirror *(10 pages)* . . . 075448
P. Y. Wen, O. V. Ivakhnenko, M. A. Nakonechnyi, B. Suri, J.-J. Lin, W.-J. Lin, J. C. Chen, S. N. Shevchenko, Franco Nori, and I.-C. Hoi

Thermal conductance enhanced via inelastic phonon transport by atomic vacancies at Cu/Si interfaces *(14 pages)* 075449
Zexi Lu, Anne M. Chaka, and Peter V. Sushko

ERRATA

Erratum: Statistics of heat transport across a capacitively coupled double quantum dot circuit [Phys. Rev. B **99**, 195449 (2019)] *(1 page)* . . . . . 079901(E)
Hari Kumar Yadalam and Upendra Harbola

(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 102, NUMBER 7** **AUGUST 2020-15(I)**

Publisher's Note: Triply degenerate nodal points and topological phase transitions in $NaCu_3Te_2$
[Phys. Rev. B **96**, 241204(R) (2017)] *(1 page)* . . . . . 079902(E)
Yunyouyou Xia and Gang Li

Erratum: Rocksalt ZnMgO alloys for ultraviolet applications: Origin of band-gap fluctuations and direct-indirect transitions [Phys. Rev. B **101**, 245202 (2020)] *(1 page)* . . . . . 079903(E)
I. Gorczyca, M. Wierzbowska, D. Jarosz, J. Z. Domagala, A. Reszka, D. Le Si Dang, F. Donatini, N. E. Christensen, and H. Teisseyre

Erratum: First-principles study of the phonon replicas in the photoluminescence spectrum of 4*H*-SiC
[Phys. Rev. B **101**, 045203 (2020)] *(3 pages)* . . . . . 079904(E)
Sai Lyu and Walter R. L. Lambrecht