PHYSICAL REVIEW B **THIRD SERIES, VOLUME 108, NUMBER 7** **AUGUST 2023-15(I)**

Phase-shifted Andreev levels in an altermagnet Josephson junction *(7 pages)* 075425
C. W. J. Beenakker and T. Vakhtel

Origin of strain tunability in flat valence band and ultrahigh shear piezoelectricity in superflexible non–van der Waals graphitic Sc*X* monolayers (X = P, As, Sb) *(11 pages)* 075426
Harshita Seksaria, Arneet Kaur, and Abir De Sarkar

Orbital Hall physics in two-dimensional Dirac materials *(10 pages)* 075427
Armando Pezo, Diego García Ovalle, and Aurélien Manchon

Extension of the SYK model to 1+1 dimensions in the strong coupling limit *(20 pages)* 075428
A. A. Vidal Yunge, A. De Martino, and A. Tagliacozzo

Implications of reciprocity for the spectra of equilibrium and nonequilibrium Casimir forces *(12 pages)* 075429
Hideo Iizuka and Shanhui Fan

Chiral chains with two valleys and disorder of finite correlation length *(15 pages)* 075430
Jean-Baptiste Touchais, Pascal Simon, and Andrej Mesaros

Equilibrium and nonequilibrium thermoelectric efficiency of monolayer molybdenum diselenide/gold junctions *(11 pages)* 075431
Sahar Izadi Vishkayi and Meysam Bagheri Tagani

Tunable tunnel coupling in a double quantum antidot with cotunneling via localized state *(9 pages)* 075432
Tokuro Hata, Kazuhiro Sada, Tomoki Uchino, Daisuke Endo, Takafumi Akiho, Koji Muraki, and Toshimasa Fujisawa

Topological hybrid electron-hole Cooper pairing *(8 pages)* 075433
Alexander Chansky and Dmitry K. Efimkin

Spin- and valley-resolved tunneling magnetoresistance in a ferromagnetic transition metal dichalcogenide planar heterojunction modulated by polarized light *(8 pages)* 075434
Laipeng Luo, Shengxiang Wang, Jun Zheng, and Yong Guo

Light-induced half-quantized Hall effect and axion insulator *(23 pages)* 075435
Fang Qin (覃昉), Ching Hua Lee, and Rui Chen

Polarized and narrow excitonic emission from graphene-capped monolayer WS_2 through resonant phonon relaxation *(8 pages)* 075436
Garima Gupta and Kausik Majumdar

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 108, NUMBER 7** **AUGUST 2023-15(I)**

Role of interface hybridization on induced superconductivity in $1T'$-WTe_2 and $2H$-$NbSe_2$ heterostructures *(9 pages)* 075410
Anirban Das, Bent Weber, and Shantanu Mukherjee

Impact of charge conversion on NV-center relaxometry *(16 pages)* 075411
Isabel Cardoso Barbosa, Jonas Gutsche, and Artur Widera

Nonlinear dynamical topological phases in a Cooper-pair box array *(8 pages)* 075412
Motohiko Ezawa

Large shift currents via in-gap and charge-neutral excitons in a monolayer and nanotubes of BN *(11 pages)* 075413
Yi-Shiuan Huang, Yang-Hao Chan, and Guang-Yu Guo

Origin of exchange bias in $[Co/Pt]_{ML}$/Fe multilayers with orthogonal magnetic anisotropies *(10 pages)* 075414
Sadhana Singh, Avinash G. Khanderao, Mukul Gupta, Ilya Sergeev, H. C. Wille, Kai Schlage, Marcus Herlitschke, and Dileep Kumar

Multiple extremely flat bands in twisted bilayer binary materials at large twist angles induced by atomic reconstruction *(8 pages)* 075415
Dawei Kang, Zhaowu Wang, and Zheng-wei Zuo

Electronic properties of twisted Sb/WTe_2 van der Waals heterostructure with controllable band gap, band alignment, and spin splitting *(11 pages)* 075416
Fanfan Wang, Jun Yuan, Zhufeng Zhang, Xunlei Ding, Chenjie Gu, Shubin Yan, Jinhua Sun, Tao Jiang, Yifeng Wu, and Jun Zhou

Upper bounds on collective light-matter coupling strength with plasmonic meta-atoms *(13 pages)* 075417
Evgeny Ryabkov, Ivan Kharichkin, Sophia Guzik, Alexander Nekhocheninov, Benjamin Rousseaux, and Denis G. Baranov

Spin-Hall current and nonlocal transport in ferromagnet-free multiband models for $SrTiO_3$-based nanodevices in the presence of impurities *(21 pages)* 075418
Domenico Giuliano, Andrea Nava, Carmine Antonio Perroni, Manuel Bibes, Felix Trier, and Marco Salluzzo

Optically induced avoided crossing in graphene *(6 pages)* 075419
Sören Buchenau, Benjamin Grimm-Lebsanft, Florian Biebl, Tomke Glier, Lea Westphal, Janika Reichstetter, Dirk Manske, Michael Fechner, Andrea Cavalleri, Sonja Herres-Pawlis, and Michael Rübhausen

Manifestation of the Aharonov-Bohm effect in the interaction of moving charges with a semiconductor nanotube with dielectric filling *(10 pages)* 075420
Yu. O. Averkov, Yu. V. Prokopenko, V. M. Yakovenko, and V. A. Yampol'skii

Intrinsic persistent spin texture in two-dimensional T-XY (X, Y = P, As, Sb, Bi; $X \neq Y$) *(7 pages)* 075421
San-Dong Guo, Xu-Kun Feng, Dong Huang, Shaobo Chen, Guangzhao Wang, and Yee Sin Ang

Topologically protected magnetoresistance by quantum anomalous Hall effect *(7 pages)* 075422
Wei-Tao Lu and Qing-Feng Sun

Stacking-dependent anomalous valley Hall effect in bilayer Janus VSCl *(10 pages)* 075423
Rui-Chuan Zhang and Hai-Yuan Chen

Tunable helical crystals *(13 pages)* 075424
R. A. Niyazov, D. N. Aristov, and V. Yu. Kachorovskii

(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 108, NUMBER 7 AUGUST 2023-15(I)

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

Quantum oscillations of transport coefficients and capacitance: A manifestation of the spin Hall effect *(11 pages)* 075301
G. M. Minkov, O. E. Rut, A. A. Sherstobitov, S. A. Dvoretski, N. N. Mikhailov, and A. V. Germanenko

Time-crystalline behavior in central-spin models with Heisenberg interactions *(19 pages)* 075302
Rafail Frantzeskakis, John Van Dyke, Leon Zaporski, Dorian A. Gangloff, Claire Le Gall, Mete Atatüre, Sophia E. Economou, and Edwin Barnes

Effects of temperature fluctuations on charge noise in quantum dot qubits *(7 pages)* 075303
D. L. Mickelsen, Hervé M. Carruzzo, S. N. Coppersmith, and Clare C. Yu

Thermal transfer enhancement by hydrodynamic plasmons in electron bilayers *(9 pages)* 075304
Dmitry Zverevich, A. V. Andreev, and Alex Levchenko

Determination of III-V/Si absolute interface energies: Impact on wetting properties *(12 pages)* 075305
S. Pallikkara Chandrasekharan, I. Lucci, D. Gupta, C. Cornet, and L. Pedesseau

Bath-limited dynamics of nuclear spins in solid-state spin platforms *(11 pages)* 075306
Mykyta Onizhuk and Giulia Galli

Excitonic superlens with copper and copper oxide *(9 pages)* 075307
David Ziemkiewicz, Karol Karpiński, and Sylwia Zielińska-Raczyńska

Surface physics, nanoscale physics, low-dimensional systems

Engineering topologically protected zero-dimensional interface end states in antiferromagnetic heterojunction graphene nanoflakes *(11 pages)* 075401
Cheng-Ming Miao, Yu-Hao Wan, Qing-Feng Sun, and Ying-Tao Zhang

From Bloch oscillations to a steady-state current in strongly biased mesoscopic devices *(13 pages)* 075402
J. M. Alendouro Pinho, J. P. Santos Pires, S. M. João, B. Amorim, and J. M. Viana Parente Lopes

Exciton-phonon interaction in planar nitride nanostructures: The case of acoustic phonons *(17 pages)* 075403
Igor Boyko

Electrostatic tuning of transmission in NbS_2/WSe_2 two-dimensional lateral heterostructures: A computational study *(10 pages)* 075404
Poonam Kumari, Zahra Golsanamlou, Alexander Smogunov, Luca Sementa, and Alessandro Fortunelli

Low-dissipation data bus via coherent quantum dynamics *(9 pages)* 075405
Dylan Lewis, João P. Moutinho, Antonio T. Costa, Yasser Omar, and Sougato Bose

Exceptional hypersurfaces of transfer matrices of finite-range lattice models and their consequences on quantum transport properties *(20 pages)* 075406
Madhumita Saha, Manas Kulkarni, and Bijay Kumar Agarwalla

Chiral molecules and magnets as efficient thermoelectric converters *(12 pages)* 075407
Dan Klein and Karen Michaeli

Complex third-order nonlinear susceptibility of single-layer graphene governing third-harmonic generation *(12 pages)* 075408
Daiki Inukai, Takeshi Koyama, Kenji Kawahara, Hiroki Ago, and Hideo Kishida

(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 108, NUMBER 7** **AUGUST 2023-15(I)**

Quantum oscillations and transport evidence of topological bands in La_3MgBi_5 single crystals *(8 pages)* 075157
Xin Han (韩鑫), Hanqi Pi (皮涵琦), Dayu Yan (闫大禹), Ruihan Zhang (张锐涵), Yong Li (李勇), Xiang Wang (王翔), Zhiling Dun (顿志凌), Zhijun Wang (王志俊), Hai L. Feng (冯海), Quansheng Wu (吴泉生), and Youguo Shi (石友国)

Truncated nonlocal kinetic energy density functionals for simple metals and silicon *(14 pages)* 075158
Liang Sun, Yuanbo Li, and Mohan Chen

Three-dimensional real Chern insulator in bulk γ-graphyne *(7 pages)* 075159
Xu-Tao Zeng, Bin-Bin Liu, Fan Yang, Zeying Zhang, Y. X. Zhao, Xian-Lei Sheng, and Shengyuan A. Yang

Polarization jumps across topological phase transitions in two-dimensional systems *(12 pages)* 075160
Hiroki Yoshida, Tiantian Zhang, and Shuichi Murakami

Hartree-Fock exploration of electronic ferroelectricity, valence transitions, and metal-insulator transitions in the extended Falicov-Kimball model *(10 pages)* 075161
Pavol Farkašovský

Phonon-induced collective modes in spin-orbit coupled polar metals *(24 pages)* 075162
Abhishek Kumar, Premala Chandra, and Pavel A. Volkov

Superconductivity in the two-dimensional Hubbard model with cellular dynamical mean-field theory: A quantum impurity model analysis *(17 pages)* 075163
C. Walsh, M. Charlebois, P. Sémon, A.-M. S. Tremblay, and G. Sordi

Large anomalous Hall effect in single crystals of the kagome Weyl ferromagnet Fe_3Sn *(5 pages)* 075164
Bishnu P. Belbase, Linda Ye, Bishnu Karki, Jorge I. Facio, Jhih-Shih You, Joseph G. Checkelsky, Jeroen van den Brink, and Madhav Prasad Ghimire

Weakly damped bosons and precursor gap in the vicinity of an antiferromagnetic metallic transition *(14 pages)* 075165
Ori Grossman and Erez Berg

Stackings and effective models of bilayer dice lattices *(12 pages)* 075166
P. O. Sukhachov, D. O. Oriekhov, and E. V. Gorbar

Optical conductivity of bilayer dice lattices *(19 pages)* 075167
P. O. Sukhachov, D. O. Oriekhov, and E. V. Gorbar

Extended linear-in-T resistivity due to electron-phason scattering in moiré superlattices *(11 pages)* 075168
Héctor Ochoa and Rafael M. Fernandes

Semiconductors I: bulk

Exotic topological phonon modes in semiconductors: Symmetry analysis and first-principles calculations for representative examples *(21 pages)* 075201
Guangqian Ding, Chengwu Xie, Jialin Gong, Jianhua Wang, Jingbo Bai, Wenhong Wang, Dengfeng Li, Xiao-Ping Li, and Xiaotian Wang

Dual nature of the Be_{Ga} acceptor in GaN: Evidence from photoluminescence *(15 pages)* 075202
M. A. Reshchikov, M. Vorobiov, O. Andrieiev, D. O. Demchenko, B. McEwen, and F. Shahedipour-Sandvik

First-principles investigation of the origin of superconductivity in $TlBi_2$ *(7 pages)* 075203
Aiqin Yang, Xiangru Tao, Yundi Quan, and Peng Zhang

(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 108, NUMBER 7** **AUGUST 2023-15(I)**

From frustration-free parent Hamiltonians to off-diagonal long-range order: Moore-Read and related states in second quantization *(18 pages)* 075142
Fanmao Zhang, Matheus Schossler, Alexander Seidel, and Li Chen

Generalization of Benalcazar-Bernevig-Hughes model to arbitrary dimensions *(10 pages)* 075143
Xun-Jiang Luo and Fengcheng Wu

Improved two-particle self-consistent approach for the single-band Hubbard model in two dimensions *(20 pages)* 075144
C. Gauvin-Ndiaye, C. Lahaie, Y. M. Vilk, and A.-M. S. Tremblay

Large spontaneous Hall effect in magnetic Weyl semimetallic $Sm_2Ir_2O_7$ (111) epitaxial thin films *(8 pages)* 075145
Mithun Ghosh and P. S. Anil Kumar

Emergence of non-Abelian SU(2) invariance in Abelian frustrated fermionic ladders *(17 pages)* 075146
Bachana Beradze, Mikheil Tsitsishvili, Emanuele Tirrito, Marcello Dalmonte, Titas Chanda, and Alexander Nersesyan

Canted antiferromagnetism and excitonic order in gated double-layer graphene *(9 pages)* 075147
V. Apinyan and T. K. Kopeć

Electronic structure of intertwined kagome, honeycomb, and triangular sublattices of the intermetallics MCo_2Al_9 (M = Sr, Ba) *(7 pages)* 075148
Chiara Bigi, Sahar Pakdel, Michał J. Winiarski, Pasquale Orgiani, Ivana Vobornik, Jun Fujii, Giorgio Rossi, Vincent Polewczyk, Phil D. C. King, Giancarlo Panaccione, Tomasz Klimczuk, Kristian Sommer Thygesen, and Federico Mazzola

Anomalous spatial shifts in interface electronic reflection beyond the linear approximation *(8 pages)* 075149
Runze Li, Chaoxi Cui, Xinxing Zhou, and Zhi-Ming Yu

Ab initio overestimation of the topological region in Eu-based compounds *(12 pages)* 075150
Giuseppe Cuono, Raghottam M. Sattigeri, Carmine Autieri, and Tomasz Dietl

Diagrammatic method for many-body non-Markovian dynamics: Memory effects and entanglement transitions *(18 pages)* 075151
Giuliano Chiriacò, Mikheil Tsitsishvili, Dario Poletti, Rosario Fazio, and Marcello Dalmonte

Investigating topological order using recurrent neural networks *(12 pages)* 075152
Mohamed Hibat-Allah, Roger G. Melko, and Juan Carrasquilla

Experimental demonstration of the band compression effect in engineered kagome-honeycomb lattices *(7 pages)* 075153
R. G. Yan, T. Z. Ji, W. L. Fan, Z. X. Zhang, H. T. Li, L. Sun, B. F. Miao, G. Chen, and H. F. Ding

Unusual magnetotransport behavior of the martensitic compound $GdPd_2Bi$ *(13 pages)* 075154
Snehashish Chatterjee, Saurav Giri, Subham Majumdar, Prabir Dutta, Surasree Sadhukhan, Sudipta Kanungo, Souvik Chatterjee, Manju Mishra Patidar, Gunadhor Singh Okram, V. Ganesan, G. Das, and V. Rajaji

Nonlinear current response of two-dimensional systems under in-plane magnetic field *(9 pages)* 075155
Yue-Xin Huang, Yang Wang, Hui Wang, Cong Xiao, Xiao Li, and Shengyuan A. Yang

Effect of dispersive optical phonons on the properties of the bond Su-Schrieffer-Heeger polaron *(6 pages)* 075156
Chao Zhang

(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 108, NUMBER 7** **AUGUST 2023-15(I)**

Efficient variational quantum circuit structure for correlated topological phases *(15 pages)* 075127
Rong-Yang Sun, Tomonori Shirakawa, and Seiji Yunoki

From orthogonal link to phase vortex in generalized dynamical Hopf insulators *(12 pages)* 075128
Yuxuan Ma, Xin Li, Yu Wang, Shuncai Zhao, Guangqin Xiong, and Tongxin Sun

Bulk-edge correspondence of Stiefel-Whitney and Euler insulators through the entanglement spectrum and cutting procedure *(10 pages)* 075129
Ryo Takahashi and Tomoki Ozawa

Realization of charge-four Weyl point in fermionic systems *(6 pages)* 075130
Xiaoliang Xiao, Yuanjun Jin, Da-Shuai Ma, Weixiang Kong, Jing Fan, Rui Wang, and Xiaozhi Wu

Quantum scar states in coupled random graph models *(11 pages)* 075131
Bhilahari Jeevanesan

Low-energy electronic interactions in ferrimagnetic Sr_2CrReO_6 thin films *(8 pages)* 075132
Guillaume Marcaud, Alex Taekyung Lee, Adam J. Hauser, F. Y. Yang, Sangjae Lee, Diego Casa, Mary Upton, Thomas Gog, Kayahan Saritas, Yilin Wang, Mark P. M. Dean, Hua Zhou, Zhan Zhang, F. J. Walker, Ignace Jarrige, Sohrab Ismail-Beigi, and Charles Ahn

Correlations at higher-order exceptional points in non-Hermitian models *(17 pages)* 075133
Doru Sticlet, Cătălin Paşcu Moca, and Balázs Dóra

Dielectric properties and plasmon modes of gapped momentum systems of different dimensionality *(10 pages)* 075134
Yuriy Yerin, A. A. Varlamov, Roberto Felici, and Aldo Di Carlo

Hydrodynamic relaxation of spin helices *(6 pages)* 075135
Guillaume Cecile, Sarang Gopalakrishnan, Romain Vasseur, and Jacopo De Nardis

Vibronic effect on resonant inelastic x-ray scattering in cubic iridium hexahalides *(6 pages)* 075136
Naoya Iwahara and Wataru Furukawa

Band-gap trend of corundum oxides α-M_2O_3 (M = Co, Rh, Ir): An *ab initio* study *(6 pages)* 075137
Xuefen Cai, Su-Huai Wei, Peter Deák, Cesare Franchini, Shu-Shen Li, and Hui-Xiong Deng

Antiferromagnetic quantum spin Hall insulators with high spin Chern numbers *(10 pages)* 075138
Yang Xue, Wei Xu, Bao Zhao, Jiayong Zhang, and Zhongqin Yang

Electron confinement in chain-doped transition metal dichalcogenides: A platform for spin-orbit coupled one-dimensional physics *(10 pages)* 075139
Mayank Gupta, Amit Chauhan, S. Satpathy, and B. R. K. Nanda

Large anomalous Hall effect observed in the cubic-lattice antiferromagnet Mn_3Sb with kagome lattice *(9 pages)* 075140
Hiroaki Hayashi, Yuichi Shirako, Lei Xing, Alexei A. Belik, Masao Arai, Masanori Kohno, Taichi Terashima, Hiroshi Kojitani, Masaki Akaogi, and Kazunari Yamaura

Wave function and spatial structure of polarons in an antiferromagnetic bilayer *(16 pages)* 075141
J. H. Nyhegn, G. M. Bruun, and K. Knakkergaard Nielsen

(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 108, NUMBER 7** **AUGUST 2023-15(I)**

Quantum liquids of the $S = \frac{3}{2}$ Kitaev honeycomb and related Kugel-Khomskii models *(15 pages)* 075111
W. M. H. Natori, Hui-Ke Jin, and J. Knolle

Decay rates of almost strong modes in Floquet spin chains beyond Fermi's Golden Rule *(13 pages)* 075112
Hsiu-Chung Yeh, Achim Rosch, and Aditi Mitra

Spin-phonon-charge coupling in the two-dimensional honeycomb lattice compound $Ni_2Te_3O_8$ *(13 pages)* 075113
Ajay Tiwari, D. Chandrasekhar Kakarla, Bommareddy Poojitha, Priyambada Sahoo, H. L. Liu, A. Dixit, C. W. Wang, T. W. Yen, M.-J. Hsieh, J.-Y. Lin, Jyothinagaram Krishnamurthy, Y. C. Lai, H. Chou, T. W. Kuo, Arkadeb Pal, and H. D. Yang

Different temperature dependence for the edge and bulk of the entanglement Hamiltonian *(7 pages)* 075114
Menghan Song, Jiarui Zhao, Zheng Yan, and Zi Yang Meng

Coupling of optical phonons with Kondo effect and magnetic order in the antiferromagnetic Kondo-lattice compound $CeAuSb_2$ *(7 pages)* 075115
Yin-Zou Zhao, Qi-Yi Wu, Chen Zhang, Bo Chen, Wei Xia, Jiao-Jiao Song, Ya-Hua Yuan, Hao Liu, Fan-Ying Wu, Xue-Qing Ye, Hong-Yi Zhang, Han Huang, Hai-Yun Liu, Yu-Xia Duan, Yan-Feng Guo, Jun He, and Jian-Qiao Meng

Observation of temperature-dependent Fermi surface evolution at the valence transition of $YbInCu_4$ *(8 pages)* . . . 075116
Hiroaki Anzai, Atsushi Hariki, Hitoshi Sato, Masashi Arita, Tao Zhuang, and Koichi Hiraoka

Intrinsic and tunable quantum anomalous Hall effect and magnetic topological phases in $XYBi_2Te_5$ *(16 pages)* . . . 075117
Xin-Yi Tang, Zhe Li, Feng Xue, Pengfei Ji, Zetao Zhang, Xiao Feng, Yong Xu, Quansheng Wu, and Ke He

Classification and emergence of quantum spin liquids in chiral Rydberg models *(12 pages)* 075118
Poetri Sonya Tarabunga, Giuliano Giudici, Titas Chanda, and Marcello Dalmonte

Enhancement of charge density wave correlations in a Holstein model with an anharmonic phonon potential *(11 pages)* 075119
C. Kvande, C. Feng, F. Hébert, G. G. Batrouni, and R. T. Scalettar

Finite-temperature second harmonic generation in Kitaev magnets *(10 pages)* 075120
Olesia Krupnitska and Wolfram Brenig

Phase transitions and bunching of correlated particles in a non-Hermitian quasicrystal *(12 pages)* 075121
Stefano Longhi

Hybrid higher-order skin-topological effect in hyperbolic lattices *(9 pages)* 075122
Junsong Sun, Chang-An Li, Shiping Feng, and Huaiming Guo

Iron nitrides substituted with transition metals: DFT study of promising systems for anomalous Nernst effect *(8 pages)* 075123
Kyo-Hoon Ahn, Jakub Vít, Mariia Pashchenko, and Karel Knížek

Origin of Hilbert-space quantum scars in unconstrained models *(10 pages)* 075124
Zexian Guo, Bobo Liu, Yu Gao, Ang Yang, Junlin Wang, Jinlou Ma, and Lei Ying

Effective one-band models for the one-dimensional cuprate $Ba_{2-x}Sr_xCuO_{3+\delta}$ *(8 pages)* 075125
A. E. Feiguin, Christian Helman, and A. A. Aligia

Chiral model of twisted bilayer graphene realized in a monolayer *(16 pages)* 075126
Valentin Crépel, Aaron Dunbrack, Daniele Guerci, John Bonini, and Jennifer Cano

(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™

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 108, NUMBER 7 *CONTENTS* **AUGUST 2023-15(I)**

EDITORIALS AND ANNOUNCEMENTS

Editorial: Closing the collection in honor of E. I. Rashba and his fundamental contributions to solid-state physics *(2 pages)* 070001
Mark Dykman, Alexander Efros, Bertrand Halperin, Leonid Levitov, and Charles Marcus

ARTICLES

Electronic structure and strongly correlated systems

Effects of strong electronic interactions on the thermopower properties of the repulsive Hubbard model *(12 pages)* 075101
Willdauany C. de Freitas Silva, Maykon V. Araujo, Sayantan Roy, Abhisek Samanta, Natanael de C. Costa, Nandini Trivedi, and Thereza Paiva

Origin of π-shifted three-dimensional charge density waves in the kagomé metal AV_3Sb_5 (A = Cs, Rb, K) *(13 pages)* 075102
Heqiu Li, Xiaoyu Liu, Yong Baek Kim, and Hae-Young Kee

Crystal growth, superconductivity, and charge density wave of pristine and Pd-intercalated $2H$-TaS_2 *(6 pages)* . . . 075103
Shunli Ni, Menghu Zhou, Zefeng Lin, Binbin Ruan, Zhifeng Li, Zhiwei Zou, Zhenghua Xu, and Zhi-an Ren

Wurtzite/zinc-blende crystal-phase GaAs heterostructures in the tight-binding approximation *(8 pages)* 075104
Joseph Sink and Craig Pryor

Holographic theory for continuous phase transitions: Emergence and symmetry protection of gaplessness *(47 pages)* 075105
Arkya Chatterjee and Xiao-Gang Wen

(2+1)-dimensional compact Lifshitz theory, tensor gauge theory, and fractons *(24 pages)* 075106
Pranay Gorantla, Ho Tat Lam, Nathan Seiberg, and Shu-Heng Shao

Optical coherence properties of Kramers' rare-earth ions at the nanoscale for quantum applications *(9 pages)* 075107
Mohammed K. Alqedra, Chetan Deshmukh, Shuping Liu, Diana Serrano, Sebastian P. Horvath, Safi Rafie-Zinedine, Abdullah Abdelatief, Lars Rippe, Stefan Kröll, Bernardo Casabone, Alban Ferrier, Alexandre Tallaire, Philippe Goldner, Hugues de Riedmatten, and Andreas Walther

Non-Hermitian boost deformation *(12 pages)* 075108
Taozhi Guo, Kohei Kawabata, Ryota Nakai, and Shinsei Ryu

Excitons in twisted AA′ hexagonal boron nitride bilayers *(12 pages)* 075109
Pedro Roman-Taboada, Estefania Obregon-Castillo, Andrés R. Botello-Mendez, and Cecilia Noguez

Dynamical quantum phase transitions in Sachdev-Ye-Kitaev Lindbladians *(14 pages)* 075110
Kohei Kawabata, Anish Kulkarni, Jiachen Li, Tokiro Numasawa, and Shinsei Ryu

(Continued)

2469-9950(20230815)108:7;1-1

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).