PHYSICAL REVIEW B **THIRD SERIES, VOLUME 113, NUMBER 23** **JUNE 2026-15(I)**

Erratum: Insights into the aftereffects phenomenon in solids based on DFT and time-differential perturbed γ-γ angular correlation studies in ^{111}In ($\rightarrow$ ^{111}Cd)-doped tin oxides [Phys. Rev. B **105**, 195201 (2022)] *(1 page)* . . . . . 239903(E)

G. N. Darriba, E. L. Muñoz, D. Richard, A. P. Ayala, A. W. Carbonari, H. M. Petrilli, and M. Rentería

Erratum: Long-lived coherence between incoherent excitons revealed by time-resolved angle-resolved photoemission spectroscopy: An exact solution [Phys. Rev. B **111**, 235124 (2025)] *(1 page)* . . . . . 239904(E)

Zhenlin Zhang, Wei Hu, Enrico Perfetto, and Gianluca Stefanucci

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 113, NUMBER 23** **JUNE 2026-15(I)**

Gap reopening as a possible signature of coupling between Majorana zero modes in Sn-(Bi, Sb)$_2$(Te, S)$_3$-based Josephson trijunctions *(7 pages)* 235424
Duolin Wang, Xiang Zhang, Yunxiao Zhang, Heng Zhang, Fucong Fei, Xiang Wang, Bing Li, Xiaozhou Yang, Yukun Shi, Zhongmou Jia, Enna Zhuo, Yuyang Huang, Anqi Wang, Zenan Shi, Zhaozheng Lyu, Xiaohui Song, Peiling Li, Bingbing Tong, Ziwei Dou, Jie Shen, Guangtong Liu, Fanming Qu, Fengqi Song, and Li Lu

Strong coupling of excitons in monolayer WS_2 with Brillouin zone folding induced quasibound states in the continuum *(9 pages)* 235425
Xiongwei Guo, Yingying Zhang, Jinhai Si, Xun Hou, and Kuidong Wang

Skyrmion-resolved topology in chiral topological superconductors *(13 pages)* 235426
Bo-Wen Liu, Yu-Chen Zhuang, Peng-Yi Liu, Yu-Hao Wan, and Qing-Feng Sun

Anomalous Floquet higher-order topological superconducting phases induced by unconventional pairing symmetries *(10 pages)* 235427
Donghao Wang, Yongchun Tao, Jingguo Hu, and Fengliang Huang

Quantum theory for edge current and noise in two-dimensional topological superconductors *(11 pages)* 235428
S. Pintus and A. Crépieux

Sublayer-resolved altermagnetism in twisted antiferromagnetic bilayers with spin-layer coupling *(10 pages)* 235429
Kehan Liu, Zhihua Zhang, Yueheng Du, Haotian Sun, Mimi Dong, and Mingwen Zhao

Dielectric screening in electromagnetic dressing of semiconductors *(15 pages)* 235430
Quentin Courtade, Umberto Dellasette, Sotirios Fragkos, Stéphane Petit, Dominique Descamps, Yann Mairesse, and Samuel Beaulieu

Hedgehog Weyl-like spin texture in the two-dimensional chiral SnP_2Se_6 semiconductor *(11 pages)* 235431
Lixin Zhou, Zhongjia Chen, Yuanjun Jin, Yingjie Wei, Yu Guo, Si Zhou, Yan Su, and Jijun Zhao

Toroidal Fermi surface geometry and phonon-limited transport in nodal-line semimetals *(12 pages)* 235432
Aman Anand and Alessandro De Martino

Free-electron decoherence: Theory and applications *(16 pages)* 235433
Cruz I. Velasco, Valerio Di Giulio, and F. Javier García de Abajo

Predicting interface and spin states in armchair graphene nanoribbon junctions *(13 pages)* 235434
Sofia Sanz and Daniel Sánchez-Portal

Four-state discrimination for a pair of spin qubits via gate reflectometry *(16 pages)* 235435
Aritra Sen and András Pályi

Kagome edge states under lattice termination, spin-orbit coupling, and magnetic order *(14 pages)* 235436
Sajid Sekh, Annica M. Black-Schaffer, and Andrzej Ptok

ERRATA

Erratum: Spin-orbital model for fullerides [Phys. Rev. B **103**, 235145 (2021)] *(1 page)* . . . . . 239901(E)
Ryuta Iwazaki and Shintaro Hoshino

Erratum: Interplay of superexchange and vibronic effects in the hidden order of Ba_2MgReO_6 from first principles [Phys. Rev. B **110**, L201101 (2024)] *(2 pages)* . . . . . 239902(E)
Dario Fiore Mosca, Cesare Franchini, and Leonid V. Pourovskii

(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 113, NUMBER 23** **JUNE 2026-15(I)**

High-temperature ferromagnetism, large spin-valley polarization, and anomalous valley Hall effect in Janus GdISeH and GdITeH *(13 pages)* 235409
Yi Yan, Long Zhang, Shuaiwei Fan, and Guoying Gao

Signatures of Kondo-lattice behavior in the two-dimensional ferromagnet Fe_3GeTe_2 *(7 pages)* 235410
Carmen Rubio-Verdú and Katharina J. Franke

Gaussian expansion method for trions in two-dimensional materials *(16 pages)* 235411
Luiz G. M. Tenório, André J. Chaves, Emiko Hiyama, and Tobias Frederico

Conductance anomaly in a partially open adiabatic quantum point contact *(8 pages)* 235412
Donghao Liu and Dmitri Gutman

Essential role of self-interaction correction in single-atom catalysis: From electronic structure to activity predictions *(11 pages)* 235413
Shiyu He, Guolin Cao, Jinfeng Nie, Shuang Li, and Ji-Chang Ren

Spin dependence of charge dynamics and group velocity in chiral molecules *(13 pages)* 235414
Riley Stuermer, Collin VanEssen, Jacob Byers, Keith Ferrer, Prasad Gudem, Diego Kienle, Jonas Fransson, and Mani Vaidyanathan

Charge distribution across dislocation networks induced by a strained top layer in hexagonal boron nitride substrates *(12 pages)* 235415
Isaac Soltero, James G. McHugh, and Vladimir I. Fal'ko

Three-body Fermi-liquid corrections for Andreev transport through quantum dots *(24 pages)* 235416
Akira Oguri, Masashi Hashimoto, and Yoshimichi Teratani

Critical yet subtle role of cap configuration in single-walled carbon nanotube solid-catalytic growth *(8 pages)* 235417
Tianliang Feng, Ziwei Xu, and Feng Ding

Singular value decomposition to describe bound states in the continuum in periodic metasurfaces *(16 pages)* 235418
Nikita Ustimenko, Ivan Fernandez-Corbaton, and Carsten Rockstuhl

Extrinsic spin splitter currents in altermagnets *(16 pages)* 235419
Sanjay Sarkar, Sayan Sarkar, and Amit Agarwal

Topologically nontrivial flat bands and quantum Hall crossovers in square-octagon lattice materials *(9 pages)* 235420
Amrita Mukherjee, Rahul Verma, Pritesh Srivastava, and Bahadur Singh

Ordered states of undoped AB bilayer graphene: Bias-induced cascade of transitions *(17 pages)* 235421
A. V. Rozhkov, A. O. Sboychakov, and A. L. Rakhmanov

Persistent current and orbital magnetization along a valley-contrasting junction in bilayer graphene in a magnetic field *(13 pages)* 235422
K. Shizuya

Quasiperiodic skin criticality in an exactly solvable non-Hermitian quasicrystal *(9 pages)* 235423
Zhangyuan Chen, Muhammad Idrees, Ying Yang, Xianqi Tong, and Xiaosen Yang

(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 113, NUMBER 23** **JUNE 2026-15(I)**

Strain-driven spin mixing and dark-exciton recombination in a neutral Ni^{2+}-doped quantum dot *(10 pages)* 235304
K. E. Połczyńska, S. Karouaz, W. Pacuski, and L. Besombes

Modeling ultrabroadband and wide-angle photonic spin Hall effect based on gradient epsilon-near-zero multilayer films *(11 pages)* 235305
Jun-Yang Sui and Hai-Feng Zhang

Phonon-assisted absorption in transition metal dichalcogenide heterostructures *(20 pages)* 235306
Yifan Liu, Robert Dawson, Nathaniel Gabor, and Vivek Aji

Anisotropic modulation of the properties of two-dimensional hole gases in Ge/SiGe quantum wells by [110] uniaxial strain *(8 pages)* 235307
Zhengshan Guo, Yixu Wang, Hongzhang Wang, Jieyin Zhang, Wendong Bian, Jiankun Li, Chenggang Yang, Jian Zeng, Jianjun Zhang, Shan Guan, Jun-Wei Luo, and Tian Pei

Structural phase separation and electrical transport modulations in $LaAlO_3/SrTiO_3$ bilayers *(9 pages)* 235308
Zheng Qin, Mengsha Li, Junhao Ding, Qian Liu, Bowen Xu, Liqiang Xu, Kun Han, Guanyin Gao, Wenbin Wu, Pingfan Chen, Ariando Ariando, and Zhen Huang

Step- and terrace-resolved crystal truncation rod scattering from vicinal surfaces under coherent heteroepitaxy *(20 pages)* 235309
Junlin Wu, Erqi Xu, Qihui Lin, Jiaqing Yue, Jiale Wang, Zihao Xu, and Guangxu Ju

Paramagnetic instability in a tubular nanowire with Rashba spin-orbit interactions *(7 pages)* 235310
R. A. Perrin and D. C. Marinescu

Surface physics, nanoscale physics, low-dimensional systems

Three-dimensional real-space electron dynamics in graphene driven by strong laser fields *(11 pages)* 235401
Siyuan Li, Mizuki Tani, Arqum Hashmi, and Kenichi L. Ishikawa

Localization transition in a charge-Kondo circuit *(8 pages)* 235402
Zhanyu Ma, Cheolhee Han, F. Pierre, and Eran Sela

Rashba-type spin-momentum locking in the nonsymmorphic Dirac semimetal $SrIrO_3$ revealed by nonlinear magnetotransport *(8 pages)* 235403
Meng Meng, Minghui Gu, Zhuang Ji, Dongxiao Yang, Fang Yang, Xiaoran Liu, Jiandi Zhang, and Jiandong Guo

Magnetic field induced corner states in quantum spin Hall insulators *(11 pages)* 235404
Sergey S. Krishtopenko and Frédéric Teppe

Berry connection polarizability induced nonlinear thermal noise *(9 pages)* 235405
Dibyanandan Bhowmick and Amit Agarwal

Existence of spontaneously generated and condensed excitons in the charge density wave phase of monolayer $TiSe_2$: Role of ionic screening *(9 pages)* 235406
Miaomiao Guo, Zeyu Jiang, and Yuanchang Li

Isotope effect in the work function of lithium *(7 pages)* 235407
Atef A. Sheekhoon, Abdelrahman O. Haridy, and Vitaly V. Kresin

Fourier modal method for gratings with chiral, nonreciprocal and bianisotropic materials *(10 pages)* 235408
Ilia Smagin, Thomas Weiss, and Sergey Dyakov

(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 113, NUMBER 23** **JUNE 2026-15(I)**

Magnetoexcitons and massive Dirac fermions in monolayers of transition metal dichalcogenides in a high magnetic field *(6 pages)* 235156
Katarzyna Sadecka, Marek Korkusiński, Ludmiła Szulakowska, and Paweł Hawrylak

Learning variational quantum circuit parameters with classical artificial intelligence for quantum phase transition detection *(18 pages)* 235157
Xin Li and Zhang-Qi Yin

Reexamining the strange metal charge response with transmission inelastic electron scattering *(10 pages)* 235158
Niels de Vries, Eric Hoglund, Dipanjan Chaudhuri, Sang hyun Bae, Jin Chen, Xuefei Guo, David Bałut, Genda Gu, Pinshane Huang, Jordan Hachtel, and Peter Abbamonte

Quantitative thermodynamic study of superconducting and normal states in UTe_2 under pressure *(7 pages)* 235159
T. Vasina, M. Pfeiffer, R. Borth, M. Nicklas, M. Amano Patino, G. Lapertot, J.-P. Brison, E. Hassinger, G. Knebel, and D. Braithwaite

Layer-dependent orbital magnetization in graphene-Haldane heterostructures *(9 pages)* 235160
Sovan Ghosh and Bheema Lingam Chittari

Semiconductors I: bulk

Effective-Hamiltonian reconstruction through Bloch-wave interferometry in bulk GaAs driven by strong terahertz fields *(30 pages)* 235201
Qile Wu, Seamus D. O'Hara, Joseph B. Costello, Loren N. Pfeiffer, Ken W. West, and Mark S. Sherwin

Manipulating the photoresponse of 2H-SnS_2 via pressure-tuned defect-assisted recombination *(7 pages)* 235202
Lei Yue, Guanxing Li, Yifeng Jiang, Shucong Li, Xiaoxu Zhao, Peng Wang, Quanjun Li, and Bingbing Liu

Electronic band structure and exciton properties of $Pna2_1$ $CaSnN_2$ *(10 pages)* 235203
Ilteris K. Turan, Sarker Md. Sadman, and Walter R. L. Lambrecht

Unified statistical theory of heat conduction in nonuniform media *(25 pages)* 235204
Yi Zeng and Jianjun Dong

Spinel $LiGa_5O_8$ as a *p*-type ultrawide band gap semiconductor: A critical theoretical reevaluation *(10 pages)* 235205
Yongcheng Zhu and Zewen Xiao

Influence of lattice anharmonicity and structural phase transitions on the Fröhlich interaction in $CsPbBr_3$: A first-principles study *(15 pages)* 235206
Zeli Xu, Simon Thébaud, Marios Zacharias, Laurent Pedesseau, Claudine Katan, and Jacky Even

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

Effects of alloy disorder on strongly driven flopping mode qubits in Si/SiGe *(26 pages)* 235301
Merritt P. R. Losert, Utkan Güngördü, S. N. Coppersmith, Mark Friesen, and Charles Tahan

Phonon valleytronics: Enhanced phonon absorption by electron valley-energy filtering *(11 pages)* 235302
Lorenzo Franceschetti, Seungha Shin, and Massoud Kaviany

Elementary magnetic poles in InN/GaN monolayer heterostructure nanowires *(7 pages)* 235303
Alexander M. Mintairov, Valery Yu. Axenov, Valery Yu. Davydov, Ilya A. Eliseyev, Alexei S. Vlasov, Andrey S. Brichkin, Gregory M. Golishkov, Alexander V. Chernenko, Daniele Barettin, Steven A. Blundell, George E. Cirlin, Demid A. Kirilenko, Konstantin P. Kotlyar, Rodion R. Reznik, Talgat Shugabaev, and Vladislav O. Gridchin

(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 113, NUMBER 23** **JUNE 2026-15(I)**

Superconductivity and the quasiparticle mass enhancement near the charge density wave critical point using the Bethe-Salpeter method: Application to cuprates *(14 pages)* 235140
Youichi Yamakawa and Hiroshi Kontani

Noninvertible Kramers-Wannier duality symmetries for the discrete-time quantum Ising chain *(14 pages)* 235141
Akash Sinha, Pramod Padmanabhan, and Vladimir Korepin

Resonant magnetic proximity hot spots in Co/hBN/graphene *(12 pages)* 235142
Klaus Zollner, Lukas Cvitkovich, Riccardo Silvioli, Andreas V. Stier, and Jaroslav Fabian

Engineering biquadratic interactions in spin-1 chains by spin-$\frac{1}{2}$ spacers *(12 pages)* 235143
Yasser Saleem, Weronika Pasek, Marek Korkusinski, Moritz Cygorek, and Paweł Potasz

Altermagnetism in an exactly solvable model: Two-dimensional Ising-Kondo lattice model with alternating next-nearest-neighbor hopping *(16 pages)* 235144
Miaomiao Zhao, Wei-Wei Yang, and Yin Zhong

Dynamics of Majorana fermions on a quantum computer *(12 pages)* 235145
Yuxiao Hang, Rosa Di Felice, Aiichiro Nakano, and Stephan Haas

Auxiliary field quantum Monte Carlo at the basis set limit: Application to lattice constants *(17 pages)* 235146
Moritz Humer, Martin Schlipf, Zoran Sukurma, Sajad Bazrafshan, and Georg Kresse

Spin-dependent orbital selectivity and partial Kondo-like screening in the magnetically ordered Hund's metal Sr_2CoO_4 *(8 pages)* 235147
Shivani Bhardwaj and Sudhir K. Pandey

Quasiparticle interference in LiFeAs: Signature of inelastic tunneling through spin fluctuations *(9 pages)* 235148
Shun Chi, Carolina A. Marques, W. N. Hardy, Ruixing Liang, Pinder Dosanjh, D. A. Bonn, S. A. Burke, and Peter Wahl

Orbital hybridization induces giant cubic Rashba effect at the Cu/WO_3 interface *(8 pages)* 235149
Md Aktar Hossain and Saikat Das

Exceptional rings emerging in a non-Hermitian Rice-Mele ladder *(11 pages)* 235150
Ensuo Ma and Zhi Song

Taxonomy of integrable and ground-state solvable models: Jastrow wave functions on graphs and parent Hamiltonians *(13 pages)* 235151
Nilanjan Sasmal and Adolfo del Campo

Coupling-energy driven pumping through quantum dots: Role of coherences *(19 pages)* 235152
Lukas Litzba, Gernot Schaller, Jürgen König, and Nikodem Szpak

Flat-band driven Kondo breakdown and reentrant effects in heavy-fermion moiré superlattices *(15 pages)* 235153
Fabian Eickhoff, Jian-Xin Zhu, and Benedikt Fauseweh

Orbital magnetization reveals multiband topology *(24 pages)* 235154
Chun Wang Chau, Robert-Jan Slager, and Wojciech J. Jankowski

Anyon dispersion in Aharonov-Casher bands and implications for twisted $MoTe_2$ *(18 pages)* 235155
Zihan Yan, Qingchen Li, Tomohiro Soejima (副島智大), and Eslam Khalaf

(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 113, NUMBER 23** **JUNE 2026-15(I)**

Sommerfeld coefficient enhancement and magnetic short-range order in a hyperkagome 3*d* electron system *(7 pages)* 235126
Shin-ichi Shamoto, Yukio Yasui, Kanako Yoshizawa, Yukio Noda, Miwako Takahashi, Yoshichika Ōnuki, Yoshinori Haga, Motoyuki Ishikado, Hiroki Yamauchi, Tsung-Cheng Huang, Min Kai Lee, and Lieh-Jeng Chang

Electron chirality and hydrodynamic helicity: Analysis in the atomic limit *(17 pages)* 235127
Tatsuya Miki, Yuta Kakinuma, Masato Senami, Masahiro Fukuda, Michi-To Suzuki, Hiroaki Ikeda, and Shintaro Hoshino

Low-energy excitations in *A*-site ordered $SmBaMn_2O_6$ *(8 pages)* 235128
Mirian Garcia Fernandez, Abhishek Nag, Stefano Agrestini, Sahil Tippireddy, Dirk Backes, Xiaoyang Chen, Urs Staub, Taka-Hisa Arima, and Kejin Zhou

Search for magnetoacoustic quantum oscillations in the insulating phase of YbB_{12} *(9 pages)* 235129
Ryosuke Kurihara, Atsuhiko Miyata, Koji Araki, Shusaku Imajo, Ruo Hibino, Atsushi Miyake, Sergei Zherlitsyn, Joachim Wosnitza, Hiroshi Yaguchi, Fumitoshi Iga, Masashi Tokunaga, and Yasuhiro H. Matsuda

Effect of spin-orbit coupling on spin and orbital ordering in $Sr_{n+1}Cr_nO_{3n+1}$ $(n = 1, 2)$ *(9 pages)* 235130
Cristian Fanjul and A. A. Aligia

Breakdown of bosonic Thouless pump due to interaction in a quasiperiodic lattice *(9 pages)* 235131
Suman Mondal, Emmanuel Gottlob, Fabian Heidrich-Meisner, and Ulrich Schneider

Ground state energy and phase transitions of the long-range XXZ chain using variational quantum eigensolver *(10 pages)* 235132
Mrinal Dev and Shraddha Sharma

Second-quantized approach to the study of Halperin state in fractional quantum Hall effect *(9 pages)* 235133
Li Chen and Zhiping Yao

Zeeman-activated Berry-curvature magnetotransport from the bulk of nonmagnetic metals with inversion symmetry *(8 pages)* 235134
Rhonald Burgos Atencia, Antonio Vecchione, Denys Makarov, and Carmine Ortix

Tensor network loop cluster expansions for quantum many-body problems *(9 pages)* 235135
Johnnie Gray, Gunhee Park, Glen Evenbly, Nicola Pancotti, Eirik F. Kjønstad, and Garnet Kin-Lic Chan

Rényi-like entanglement probe of the chiral central charge *(14 pages)* 235136
Julian Gass and Michael Levin

Magnetic fluctuations and anisotropy in UTe_2: A multi-orbital study based on GGA + U and RPA *(12 pages)* 235137
Makoto Shimizu and Youichi Yanase

Conjecture on the lower bound of the length-scale critical exponent ν at continuous phase transitions *(14 pages)* 235138
Andrea Pelissetto and Ettore Vicari

Atomistic approach to exciton-phonon couplings in semiconductor quantum dots *(12 pages)* 235139
Yasser Saleem and Moritz Cygorek

(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 113, NUMBER 23** **JUNE 2026-15(I)**

V 3*d* and Se 4*p* spectral reconstruction by charge density wave formation in VSe_2 probed by angle-resolved photoemission spectroscopy *(9 pages)* 235112
K. Fujinuma, T. Hara, M. Emi, N. Katayama, H. Sawa, X. Zhao, K. Takubo, G. Tomassucci, F. Minati, A. Barinov, K. Ozawa, N. L. Saini, and T. Mizokawa

Randomly twisted bilayer graphene: Cascade transitions *(14 pages)* 235113
Baruch Horovitz and Pierre Le Doussal

Evolution of crystal field and intra-ionic interactions in ilmenite $AIrO_3$ (A = Mg, Zn, Cd) and hyperhoneycomb β-$ZnIrO_3$ *(6 pages)* 235114
Yuya Haraguchi, Hiroko Aruga Katori, Kenji Ishii, and Hakuto Suzuki

Limits of the lattice Bisognano-Wichmann form for entanglement Hamiltonians: A quantum Monte Carlo study *(22 pages)* 235115
Siyi Yang, Yi-Ming Ding, and Zheng Yan

Tunable quantum metric driven nonlinear valley Hall effect in the $\mathcal{PT}$-symmetric sliding antiferroelectric MoS_2 *(8 pages)* 235116
Wen-Xin Jiang, Zhen-Hao Gong, Zhigang Gui, M. Umar Farooq, and Li Huang

Reciprocal-space electromagnetic induction in topological semimetals *(10 pages)* 235117
Xiaohui Wang, Wei Luo, and Zhihua Xiong

Polarization-based indices in quantum many-body systems: Validity and extension beyond one dimension *(10 pages)* 235118
Yasuhiro Tada

Interplay of quantum and real-space geometry in the anomalous Landau levels of singular flat bands *(15 pages)* 235119
Xuanyu Long and Feng Liu

Three-dimensional spin-orbital liquids *(25 pages)* 235120
Anna Sandberg, Lukas Rødland, and Maria Hermanns

Time-dependent fluctuating local field approach for the description of correlated fermions dynamics *(6 pages)* 235121
L. D. Silakov, Ya. S. Lyakhova, and A. N. Rubtsov

Controlled Zeno-induced localization of free fermions in a quasiperiodic chain *(19 pages)* 235122
Pinaki Singha, Nilanjan Roy, Marcin Szyniszewski, and Auditya Sharma

Instability of edge states and a singular-value-based diagnostic scheme for the topology in one-dimensional Floquet non-Hermitian systems *(7 pages)* 235123
Hong Wu, Xue-Min Yang, Jian Li, and Hui Liu

Coupling of magnetic and lattice collective excitations in the two-dimensional van der Waals antiferromagnet $FePS_3$ *(19 pages)* 235124
Kartik Panda, Itzik Kapon, Dumitru Dumcenco, Dirk van der Marel, Alexey B. Kuzmenko, and Nimrod Bachar

Observation of momentum dependent charge density wave gap in $EuTe_4$ *(11 pages)* 235125
Iftakhar Bin Elius, Nathan Valadez, Gyanendra Dhakal, Volodymyr Buturlim, Sabin Regmi, Dante James, Peter Radanovich, Keng Tou Chu, Ellis Thompson, Matthew Yankowitz, Tetiana Romanova, Andrzej Ptok, Krzysztof Gofryk, Dariusz Kaczorowski, and Madhab Neupane

(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 113, NUMBER 23 *CONTENTS* **JUNE 2026-15(I)**

ARTICLES

Electronic structure and strongly correlated systems

Charge order in the half-filled bond-Holstein model *(10 pages)* 235101
Charles Jordan, George Issa, Ehsan Khatami, Richard Scalettar, Benjamin Cohen-Stead, and Steven Johnston

Magnetic and electronic properties of the spin $S = \frac{5}{2}$ two-dimensional honeycomb system $SrFeSnP_3O_{12}$ *(13 pages)* 235102
V. K. Singh, P. Dutta, S. Chattopadhyay, B. Koteswararao, S. Bhowal, and A. V. Mahajan

Transferable electronic structure prediction via Slater-Koster constrained graph attention neural network *(13 pages)* 235103
Xiangyang Zhu, Tengfei Wang, Hao Wang, and Sheng Chang

Symmetry and topology in a non-Hermitian Kitaev chain *(13 pages)* 235104
Ayush Raj, Soham Ray, and Sai Satyam Samal

Detection of ferroic octupole ordering in d-wave altermagnetic rutile-type compounds *(6 pages)* 235105
Masaichiro Mizumaki, Norimasa Sasabe, Takayuki Uozumi, Rikuto Oiwa, and Hiroaki Kusunose

Fractional Chern insulator with higher Chern number in optical lattices *(9 pages)* 235106
Ying-Xing Ding, Wen-Tong Li, Li-Min Zhang, Yu-Biao Wu, Duanlu Zhou, Lin Zhuang, Yong-Hong Ma, Jia-Ming Li, and Wu-Ming Liu

Nonadiabatic wave-packet dynamics: Nonadiabatic metric, quantum geometry, and gravitational analogy *(10 pages)* 235107
Yafei Ren and M. E. Sanchez Barrero

Quantum tunneling driven giant electric field gradients in plasmonic cavities *(7 pages)* 235108
Chao Meng, Zhonglin Xie, Yueweiying Wang, Fanfan Lu, Ting Mei, and Wending Zhang

Topological phase transitions in twisted bilayer graphene/hBN from interlayer coupling and substrate potentials *(12 pages)* 235109
Huiwen Wang and Wei Jiang

Real-space decay of flat-band projectors from compact localized states *(12 pages)* 235110
Yeongjun Kim, Sergej Flach, and Alexei Andreanov

Strange metal behavior in a toy model with selective Mottness *(14 pages)* 235111
M. S. Laad and S. R. Hassan

2469-9950(20260615)113:23;1-K

(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).