CONTENTS - *Continued*

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 105, NUMBER 21** **JUNE 2022-1(I)**

Erratum: Ballistic SNS sandwich as a Josephson junction [Phys. Rev. B **104**, 094517 (2021)] *(1 page)* . . . . . 219902(E)
Edouard B. Sonin

Erratum: Phase diagram and spin waves in the frustrated ferro-antiferromagnet $SrZnVO(PO_4)_2$ [Phys. Rev. B **104**, 224435 (2021)] *(1 page)* . . . . . 219903(E)
F. Landolt, Z. Yan, S. Gvasaliya, A. Zheludev, K. Beauvois, E. Ressouche, and J. Xu

Erratum: Observations of the effect of strong Pauli paramagnetism on the vortex lattice in superconducting $CeCu_2Si_2$ [Phys. Rev. B **104**, 184508 (2021)] *(3 pages)* . . . . . 219904(E)
E. Campillo, R. Riyat, S. Pollard, P. Jefferies, A. T. Holmes, R. Cubitt, J. S. White, J. Gavilano, Z. Huesges, O. Stockert, E. M. Forgan, and E. Blackburn

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

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 105, NUMBER 21** **JUNE 2022-1(I)**

Eliashberg theory of the Jahn-Teller-Hubbard model *(14 pages)* 214516
Yoshikuni Kaga, Philipp Werner, and Shintaro Hoshino

Superconductive materials with MgB_2-like structures from data-driven screening *(8 pages)* 214517
Ze Yu, Tao Bo, Bo Liu, Zhendong Fu, Huan Wang, Sheng Xu, Tianlong Xia, Shiliang Li, Sheng Meng, and Miao Liu

Modulation doping of the FeSe monolayer on $SrTiO_3$ *(6 pages)* 214518
Fengmiao Li, Ilya Elfimov, and George A. Sawatzky

Effects of intercomponent couplings on the appearance of time-reversal symmetry breaking fermion-quadrupling states in two-component London models *(8 pages)* 214520
I. Maccari and E. Babaev

Signatures of Majorana bound states and parity effects in two-dimensional chiral *p*-wave Josephson junctions *(13 pages)* 214521
Nick Abboud, Varsha Subramanyan, Xiao-Qi Sun, Guang Yue, Dale Van Harlingen, and Smitha Vishveshwara

Hybrid ferromagnetic transmon qubit: Circuit design, feasibility, and detection protocols for magnetic fluctuations *(14 pages)* 214522
Halima Giovanna Ahmad, Valentina Brosco, Alessandro Miano, Luigi Di Palma, Marco Arzeo, Domenico Montemurro, Procolo Lucignano, Giovanni Piero Pepe, Francesco Tafuri, Rosario Fazio, and Davide Massarotti

Fluctuation-induced odd-frequency spin-triplet pairing in a disordered electron liquid *(22 pages)* 214523
Vladimir A. Zyuzin and Alexander M. Finkel'stein

Peak in the critical current density in $(Ca_xSr_{1-x})_3Rh_4Sn_{13}$ tuned towards the structural quantum critical point *(7 pages)* 214524
Xinyou Liu, Wei Zhang, Kwing To Lai, K. Moriyama, J. L. Tallon, K. Yoshimura, and Swee K. Goh

Dispersive one-dimensional Majorana modes with emergent supersymmetry in one-dimensional proximitized superconductors via spatially modulated potentials and magnetic fields *(22 pages)* 214525
Pasquale Marra, Daisuke Inotani, and Muneto Nitta

Superconductivity and phase diagrams of $CaK(Fe_{1-x}Mn_x)_4As_4$ single crystals *(15 pages)* 214526
M. Xu, J. Schmidt, E. Gati, L. Xiang, W. R. Meier, V. G. Kogan, S. L. Bud'ko, and P. C. Canfield

Suppression of fluctuations in a two-band superconductor with a quasi-one-dimensional band *(11 pages)* 214527
A. A. Shanenko, T. T. Saraiva, A. Vagov, A. S. Vasenko, and A. Perali

Pressure effects on the electronic structure, phonons, and superconductivity of noncentrosymmetric $ThCoC_2$ *(11 pages)* 214528
Gabriel Kuderowicz, Paweł Wójcik, and Bartlomiej Wiendlocha

Pressure effect in the antiperovskite phosphide superconductor $Sr(Pt_{0.9}Pd_{0.1})_3P$ *(8 pages)* 214529
Lifen Shi, Pengtao Yang, Teng Wang, Pengfei Shan, Ziyi Liu, Shuxiang Xu, Keyu Chen, Ningning Wang, Long Zhou, Youwen Long, Jianping Sun, Gang Mu, Yoshiya Uwatoko, Bosen Wang, and Jinguang Cheng

ERRATA

Erratum: Spin and orbital angular momenta of acoustic beams [Phys. Rev. B **99**, 174310 (2019)] *(2 pages)* . . . . . 219901(E)
Konstantin Y. Bliokh and Franco Nori

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

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 105, NUMBER 21** **JUNE 2022-1(I)**

Superfluidity and superconductivity

Spin and charge transport in ferromagnet-superconductor-ferromagnet heterostructures: Stoner versus spin mass mismatch mechanism *(17 pages)* 214501
Paola Gentile, Marilena Catapano, Nicola De Vivo, Mario Cuoco, Alfonso Romano, and Canio Noce

Enhancing T_c in a composite superconductor/metal bilayer system: A dynamical cluster approximation study *(7 pages)* 214502
Philip M. Dee, Steven Johnston, and Thomas A. Maier

Structural phase transition and superconductivity of ytterbium under high pressure *(8 pages)* 214503
Qingzhuo Duan, Junyu Shen, Xin Zhong, Haiyan Lu, and Cheng Lu

Model-independent determination of the gap function of nearly localized superconductors *(11 pages)* 214504
Dušan Kavický, František Herman, and Richard Hlubina

Strong antiferromagnetic proximity coupling in the heterostructure superconductor $Sr_2VO_{3-\delta}FeAs$ *(8 pages)* 214505
Jong Mok Ok, Chang Il Kwon, O. E. Ayala Valenzuela, Sunghun Kim, Ross D. McDonald, Jeehoon Kim, E. S. Choi, Woun Kang, Y. J. Jo, C. Kim, E. G. Moon, Y. K. Kim, and Jun Sung Kim

Pressure-induced superconductivity and nontrivial band topology in compressed γ-InSe *(6 pages)* 214506
Shiqiu Liu, Ye Yang, Fanghang Yu, Xikai Wen, Zhigang Gui, Kunling Peng, Rui Wang, and Jianjun Ying

Vortex jets generated by edge defects in current-carrying superconductor thin strips *(12 pages)* 214507
A. I. Bezuglyj, V. A. Shklovskij, B. Budinská, B. Aichner, V. M. Bevz, M. Yu. Mikhailov, D. Yu. Vodolazov, W. Lang, and O. V. Dobrovolskiy

Nucleation of superconductivity in clean superconductor-ferromagnet hybrid structures with Rashba spin-orbit interaction *(10 pages)* 214508
A. A. Kopasov and A. S. Mel'nikov

Number parity effects in the normal state of $SrTiO_3$ *(8 pages)* 214509
Xing Yang, Quanhui Liu, and Boldizsár Jankó

Connection between the semiconductor-superconductor transition and the spin-polarized superconducting phase in the honeycomb lattice *(7 pages)* 214510
Agnieszka Cichy, Konrad Jerzy Kapcia, and Andrzej Ptok

Epitaxial stabilization of an orthorhombic Mg-Ti-O superconductor *(7 pages)* 214511
Zhuang Ni, Wei Hu, Qinghua Zhang, Yanmin Zhang, Peiyu Xiong, Qian Li, Jie Yuan, Qihong Chen, Beiyi Zhu, Hua Zhang, Xiaoli Dong, Lin Gu, and Kui Jin

Theory of proximity effect in $s+p$-wave superconductor junctions *(21 pages)* 214512
Yukio Tanaka, Tim Kokkeler, and Alexander Golubov

Holographic reconstruction of magnetic field distribution in a Josephson junction from diffraction-like $I_c(H)$ patterns *(10 pages)* 214513
Razmik A. Hovhannisyan, Taras Golod, and Vladimir M. Krasnov

Superfluid density in overdoped cuprates: Thin films versus bulk samples *(5 pages)* 214514
S. V. Dordevic and C. C. Homes

Thermal transport in two-dimensional nematic superconductors *(13 pages)* 214515
Sourav Sen Choudhury, Sean Peterson, and Yves Idzerda

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

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 105, NUMBER 21** **JUNE 2022-1(I)**

Theory of dipole-exchange spin-wave propagation in periodically corrugated films *(8 pages)* 214426
L. Giovannini

Low-energy excitations and magnetic anisotropy of the layered van der Waals antiferromagnet $Ni_2P_2S_6$ *(7 pages)* 214427
K. Mehlawat, A. Alfonsov, S. Selter, Y. Shemerliuk, S. Aswartham, B. Büchner, and V. Kataev

Tuning magnetic anisotropy and Dzyaloshinskii-Moriya interaction via interface engineering in nonisostructural $SrCuO_2/SrRuO_3$ heterostructures *(10 pages)* 214428
Xiaobing Chen, Jine Zhang, Banggui Liu, Fengxia Hu, Baogen Shen, and Jirong Sun

Scattering of spin waves by a Bloch domain wall: Effect of the dipolar interaction *(12 pages)* 214429
Victor Laliena, Athanasios Athanasopoulos, and Javier Campo

Metastable magnetization plateaus in the $S=1$ organic spin ladder BIP-TENO induced by a microsecond-pulsed megagauss field *(8 pages)* 214430
Kazuya Nomura, Yasuhiro H. Matsuda, Akihiko Ikeda, Yoshimitsu Kohama, Hiroshi Tsuda, Naoki Amaya, Toshio Ono, and Yuko Hosokoshi

Coercivity limits in nanoscale ferromagnets *(7 pages)* 214431
Jeotikanta Mohapatra, J. Fischbacher, M. Gusenbauer, M. Y. Xing, J. Elkins, T. Schrefl, and J. Ping Liu

Handedness filter and Doppler shift of spin waves in ferrimagnetic domain walls *(8 pages)* 214432
T. T. Liu, Y. Liu, Z. Jin, Z. P. Hou, D. Y. Chen, Z. Fan, M. Zeng, X. B. Lu, X. S. Gao, M. H. Qin, and J.-M. Liu

Ground state of the $S = \frac{1}{2}$ triangular lattice Heisenberg-like antiferromagnet $Ba_3CoSb_2O_9$ in an out-of-plane magnetic field *(9 pages)* 214433
X. Z. Liu, O. Prokhnenko, M. Bartkowiak, A. Gazizulina, D. Yamamoto, A. Matsuo, K. Kindo, K. Okada, N. Kurita, and H. Tanaka

Magnetic and transport properties of the topological compound DySbTe *(8 pages)* 214434
Fei Gao, Jianqi Huang, Weijun Ren, Mingze Li, Han Wang, Teng Yang, Bing Li, and Zhidong Zhang

Atomistic spin simulations of electric-field-assisted nucleation and annihilation of magnetic skyrmions in Pd/Fe/Ir(111) *(12 pages)* 214435
Moritz A. Goerzen, Stephan von Malottki, Grzegorz J. Kwiatkowski, Pavel F. Bessarab, and Stefan Heinze

Coexisting magnetic structures and spin reorientation in $Er_{0.5}Dy_{0.5}FeO_3$: Bulk magnetization, neutron scattering, specific heat, and density functional theory studies *(15 pages)* 214436
Sarita Rajput, Padmanabhan Balasubramanian, Ankita Singh, Françoise Damay, C. M. N. Kumar, W. Tabis, T. Maitra, and V. K. Malik

Commensuration effects on skyrmion Hall angle and drag for manipulation of skyrmions on two-dimensional periodic substrates *(18 pages)* 214437
C. Reichhardt and C. J. O. Reichhardt

Enhancement of spin-mixing conductance by *s-d* orbital hybridization in heavy metals *(7 pages)* 214438
Adam B. Cahaya, Rico M. Sitorus, Anugrah Azhar, Ahmad R. T. Nugraha, and Muhammad Aziz Majidi

Spectral neighbor representation for vector fields: Machine learning potentials including spin *(10 pages)* 214439
M. Domina, M. Cobelli, and S. Sanvito

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

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 105, NUMBER 21** **JUNE 2022-1(I)**

Enhancement of giant magnetoelectric effect in Ni-doped $CaBaCo_4O_7$ *(9 pages)* 214412
M. Gen, A. Miyake, H. Yagiuchi, Y. Watanabe, A. Ikeda, Y. H. Matsuda, M. Tokunaga, T. Arima, and Y. Tokunaga

Reduced crystal symmetry as the origin of the ferroelectric polarization within the incommensurate magnetic phase of $TbMn_2O_5$ *(11 pages)* 214413
N. Narayanan, P. J. Graham, P. Rovillain, J. O'Brien, J. Bertinshaw, S. Yick, J. Hester, A. Maljuk, D. Souptel, B. Büchner, D. Argyriou, and C. Ulrich

Nutation spin waves in ferromagnets *(9 pages)* 214414
Sergei V. Titov, William J. Dowling, Yuri P. Kalmykov, and Mikhail Cherkasskii

Non-Hermitian adiabatic perturbation theory of topological quantization of the average velocity of a magnetic skyrmion under thermal fluctuations *(14 pages)* 214415
Shan-Chang Tang and Yu Shi

Thickness dependence of anomalous Hall and Nernst effects in Ni-Fe thin films *(9 pages)* 214416
Takumi Yamazaki, Takeshi Seki, Rajkumar Modak, Keita Nakagawara, Takamasa Hirai, Keita Ito, Ken-ichi Uchida, and Koki Takanashi

Spin reorientation to a $\Gamma_3(C_x, F_y, A_z)$ configuration and anisotropic spin-phonon coupling in a $Sm_{0.5}Y_{0.5}FeO_3$ single crystal *(9 pages)* 214417
Bhawana Mali, Janaky Sunil, Harikrishnan S. Nair, Chandrabhas Narayana, and Suja Elizabeth

Cavity-mediated level attraction and repulsion between magnons *(8 pages)* 214418
Jayakrishnan M. P. Nair, Debsuvra Mukhopadhyay, and Girish S. Agarwal

Spin Hall effect driven by the spin magnetic moment current in Dirac materials *(14 pages)* 214419
Zhendong Chi, Guanxiong Qu, Yong-Chang Lau, Masashi Kawaguchi, Junji Fujimoto, Koki Takanashi, Masao Ogata, and Masamitsu Hayashi

Interpretation of Ir *L*-edge isotropic x-ray absorption spectra across the pressure-induced dimerization transition in hyperhoneycomb β-Li_2IrO_3 *(6 pages)* 214420
Michel van Veenendaal and Daniel Haskel

Two-dimensional transition metal triborides: Monolayers with robust intrinsic magnetism and high spin stability *(9 pages)* 214421
Xiaojing Yao, Licheng Wang, Yi Sun, Xiaoyan Li, Jinxin Sun, Bing Wang, Maoshuai He, and Xiuyun Zhang

Microscopic origin of room-temperature ferromagnetism in the double perovskite Sr_2FeReO_6 *(9 pages)* 214422
Shishir K. Pandey, Ashis K. Nandy, Poonam Kumari, and Priya Mahadevan

Machine learning techniques to construct detailed phase diagrams for skyrmion systems *(9 pages)* 214423
F. A. Gómez Albarracín and H. D. Rosales

Dynamical magnetoelectric coupling in axion insulator thin films *(6 pages)* 214424
Zhaochen Liu, Jiang Xiao, and Jing Wang

Photon correlation spectroscopy with heterodyne mixing based on soft x-ray magnetic circular dichroism *(9 pages)* 214425
Christopher Klose, Felix Büttner, Wen Hu, Claudio Mazzoli, Geoffrey S. D. Beach, Stefan Eisebitt, and Bastian Pfau

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

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 105, NUMBER 21** **JUNE 2022-1(I)**

Onset of many-body quantum chaos due to breaking integrability *(18 pages)* 214308
Vir B. Bulchandani, David A. Huse, and Sarang Gopalakrishnan

Even-order harmonics in the nitrogen vacancy center in diamond from intertwined intraband and interband transitions *(8 pages)* 214309
Lei Jia, Yakai Song, M. S. Si, J. L. Yao, and G. P. Zhang

Off-diagonal electron-phonon coupling effects on two-level system dynamics *(11 pages)* 214310
Leonard Ruocco, Mona Berciu, and Jeff F. Young

Magnetism

Temperature-sensitive spin-wave nonreciprocity induced by interlayer dipolar coupling in ferromagnet/paramagnet and ferromagnet/superconductor hybrid systems *(12 pages)* 214401
M. A. Kuznetsov and A. A. Fraerman

Bifurcation of a topological skyrmion string *(6 pages)* 214402
Jing Xia, Xichao Zhang, Oleg A. Tretiakov, Hung T. Diep, Jinbo Yang, Guoping Zhao, Motohiko Ezawa, Yan Zhou, and Xiaoxi Liu

Strain engineering magnetocrystalline anisotropy in strongly correlated VTe_2 with room-temperature ferromagnetism *(10 pages)* 214403
Zhiyuan Tang, Yancong Chen, Yue Zheng, and Xin Luo

Measuring a population of spin waves from the electrical noise of an inductively coupled antenna *(12 pages)* 214404
T. Devolder, S.-M. Ngom, A. Mouhoub, J. Létang, J.-V. Kim, P. Crozat, J.-P. Adam, A. Solignac, and C. Chappert

Ferrimagnetic spin waves in honeycomb and triangular layers of $Mn_3Si_2Te_6$ *(9 pages)* 214405
G. Sala, J. Y. Y. Lin, A. M. Samarakoon, D. S. Parker, A. F. May, and M. B. Stone

Spin dynamics in the square-lattice cupola system $Ba(TiO)Cu_4(PO_4)_4$ *(13 pages)* 214406
Luc Testa, Peter Babkevich, Yasuyuki Kato, Kenta Kimura, Virgile Favre, Jose A. Rodriguez-Rivera, Jacques Ollivier, Stéphane Raymond, Tsuyoshi Kimura, Yukitoshi Motome, Bruce Normand, and Henrik M. Rønnow

Origin of the Griffiths phase and correlation with the magnetic phase transition in the nanocrystalline manganite $La_{0.4}(Ca_{0.5}Sr_{0.5})_{0.6}MnO_3$ *(16 pages)* 214407
Suvayan Saha, Apurba Dutta, Shuvankar Gupta, Sudipta Bandyopadhyay, and I. Das

Observation of magnetization surface textures of the van der Waals antiferromagnet $FePS_3$ by spin Hall magnetoresistance *(9 pages)* 214408
F. Feringa, G. E. W. Bauer, and B. J. van Wees

Spin waves in layered antiferromagnets with honeycomb structure *(13 pages)* 214409
Ankang Liu and Alexander M. Finkel'stein

RKKY-type in-plane ferromagnetism in layered $Mn_{1/4}NbS_2$ single crystals *(8 pages)* 214410
Azizur Rahman, Majeed Ur Rehman, Muhammad Yousaf, Maryam Kiani, Hongze Zhao, Jianlin Wang, Yalin Lu, Keqing Ruan, Rucheng Dai, Zhongping Wang, Wei Liu, Lei Zhang, and Zengming Zhang

Exchange interactions in d^5 Kitaev materials: From Na_2IrO_3 to α-$RuCl_3$ *(12 pages)* 214411
Huimei Liu, Jiří Chaloupka, and Giniyat Khaliullin

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

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 105, NUMBER 21** **JUNE 2022-1(I)**

Phase transition behavior of heterostructural alloys: Effects of size mismatch and site preference *(5 pages)* 214113
Yi-Feng Zheng, Peng Zhang, and Su-Huai Wei

Thermal and mechanical properties of the clathrate-II $Na_{24}Si_{136}$ *(11 pages)* 214114
Matt Beekman, Antti J. Karttunen, Winnie Wong-Ng, Mingjian Zhang, Yu-Sheng Chen, Christian Posadas, Andrew Jarymowycz, E Cruse, Wanyue Peng, Alexandra Zevalkink, James A. Kaduk, and George S. Nolas

Inhomogeneous, disordered, and partially ordered systems

Adaptive-weighted tree tensor networks for disordered quantum many-body systems *(8 pages)* 214201
Giovanni Ferrari, Giuseppe Magnifico, and Simone Montangero

Initial state dependent dynamics across the many-body localization transition *(13 pages)* 214202
Yogeshwar Prasad and Arti Garg

Critical analysis of the reentrant localization transition in a one-dimensional dimerized quasiperiodic lattice *(8 pages)* 214203
Shilpi Roy, Sourav Chattopadhyay, Tapan Mishra, and Saurabh Basu

Developing a force field for the $Ba_{1-x}Ca_xZrO_3$ ferroelectric alloy: Prediction of a ferroelectric superlattice structure *(8 pages)* 214204
J. Zhang, Y. Qi, and A. M. Rappe

Estimating the Euclidean quantum propagator with deep generative modeling of Feynman paths *(8 pages)* 214205
Yanming Che, Clemens Gneiting, and Franco Nori

Dynamics, dynamical systems, lattice effects:

Variational polaron equations applied to the anisotropic Fröhlich model *(12 pages)* 214301
Vasilii Vasilchenko, Andriy Zhugayevych, and Xavier Gonze

Thermodynamics up to the melting point in a TaVCrW high entropy alloy: Systematic *ab initio* study aided by machine learning potentials *(14 pages)* 214302
Ying Zhou, Prashanth Srinivasan, Fritz Körmann, Blazej Grabowski, Roger Smith, Pooja Goddard, and Andrew Ian Duff

Effect of iron vacancies on magnetic order and spin dynamics of the spin ladder $BaFe_{2-\delta}S_{1.5}Se_{1.5}$ *(7 pages)* 214303
Zengjia Liu, Xiao-Sheng Ni, Lisi Li, Hualei Sun, Feixiang Liang, Benjamin A. Frandsen, Andrew D. Christianson, Clarina dela Cruz, Zhijun Xu, Dao-Xin Yao, Jeffrey W. Lynn, Robert J. Birgeneau, Kun Cao, and Meng Wang

Dynamical properties of the magnetic topological insulator TBi_2Te_4 (T=Mn, Fe): Phonons dispersion, Raman active modes, and chiral phonons study *(8 pages)* 214304
Aksel Kobiałka, Małgorzata Sternik, and Andrzej Ptok

Symmetry and topological classification of Floquet non-Hermitian systems *(30 pages)* 214305
Chun-Hui Liu, Haiping Hu, and Shu Chen

Exotic correlation spread in free-fermionic states with initial patterns *(13 pages)* 214306
Sudipto Singha Roy, Giovanni Ramírez, Silvia N. Santalla, Germán Sierra, and Javier Rodríguez-Laguna

Distinct signatures of particle-hole symmetry breaking in transport coefficients for generic multi-Weyl semimetals *(16 pages)* 214307
Tanay Nag and Dante M. Kennes

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

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 105, NUMBER 21 *CONTENTS* **JUNE 2022-1(I)**

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

Temperature-induced electride transition in dense lithium *(10 pages)* 214101
Yong Wang, Junjie Wang, Andreas Hermann, Shuning Pan, Jiuyang Shi, Hui-Tian Wang, Dingyu Xing, and Jian Sun

Discriminant indicator with generalized rotational symmetry *(10 pages)* 214103
Hiromasa Wakao, Tsuneya Yoshida, and Yasuhiro Hatsugai

Relaxation effects in thermoelastically generated ultrasound in stressed dielectric and conductive materials *(13 pages)* 214104
A. L. Glazov and K. L. Muratikov

Elasticity of two-dimensional ferroelectrics across their paraelectric phase transformation *(6 pages)* 214105
Joseph E. Roll, John M. Davis, John W. Villanova, and Salvador Barraza-Lopez

Quantum metric tensor of the Dicke model: Analytical and numerical study *(14 pages)* 214106
Daniel Gutiérrez-Ruiz, Jorge Chávez-Carlos, Diego Gonzalez, Jorge G. Hirsch, and J. David Vergara

Examination of the cerium α-ε phase transition under dynamic loading with x-ray diffraction *(9 pages)* 214107
M. T. Beason and B. J. Jensen

Topological phase transitions of non-Abelian charged nodal lines in spring-mass systems *(16 pages)* 214108
Haedong Park, Stephan Wong, Adrien Bouhon, Robert-Jan Slager, and Sang Soon Oh

Formation of NH_3-Xe compound at the extreme condition of planetary interiors *(6 pages)* 214109
Pan Zhang, Jingming Shi, Wenwen Cui, Cailong Liu, Shicong Ding, Kang Yang, Jian Hao, and Yinwei Li

High-pressure structural systematics of dysprosium metal compressed in a neon pressure medium to 182 GPa *(10 pages)* 214110
D. T. Sneed, P. Söderlind, E. F. O'Bannon, III, H. Cynn, D. Smith, J. S. Smith, C. Park, and Zs. Jenei

Critical exponents of the Ising model in three dimensions with long-range power-law correlated site disorder: A Monte Carlo study *(12 pages)* 214111
Stanislav Kazmin and Wolfhard Janke

Electromotive power generated by pressure gradient in metals with the band Jahn-Teller effect *(12 pages)* 214112
Mitsuo Kataoka

Copyright 2022 by American Physical Society

2469-9950(20220601)105:21;1-5

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

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).