

PHYSICAL REVIEW CTM

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 2469-9985)

PERIODICALS

Postmaster send address changes to:

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

THIRD SERIES, VOLUME 110, NUMBER 1

CONTENTS

JULY 2024

LETTERS

Nuclear Structure

Multipole modes of excitation in tetrahedrally deformed neutron-rich Zr isotopes (6 pages)..... L011301
Jie Zhao (赵杰)

 *Ab initio* computations of strongly deformed nuclei near ^{80}Zr (8 pages)..... L011302
B. S. Hu, Z. H. Sun, G. Hagen, and T. Papenbrock

Relativistic Nuclear Collisions

Contribution to differential π^0 and γ_{dir} modification in small systems from color fluctuation effects (5 pages).... L011901
Dennis V. Perepelitsa

Nuclear Astrophysics

PSR J0952 – 0607 and GW170817: Direct multimessenger constraints on neutron star equation of state through a novel wide-ranging correlation (6 pages)..... L012801
L. Guo (郭兰) and Y. F. Niu (牛一斐)

ARTICLES

Nucleon-Nucleon Interaction, Few-Body Systems

Femtoscopic study of the $\Lambda\alpha$ interaction (8 pages)..... 014001
Asanosuke Jinno, Yuki Kamiya, Tetsuo Hyodo, and Akira Ohnishi

Measurement of the mesonic decay branch of the $\bar{K}NN$ quasibound state (15 pages)..... 014002
T. Yamaga *et al.* (J-PARC E15 Collaboration)

Avoiding renormalization of the elastic transition amplitude in the proton-deuteron scattering calculations (8 pages)..... 014003
H. Witała, J. Golak, and R. Skibiński

Trineutron resonances in the SS-HORSE extension of the no-core shell model (6 pages)..... 014004
I. A. Mazur, M. K. Efimenko, A. I. Mazur, I. J. Shin, V. A. Kulikov, A. M. Shirokov, and J. P. Vary

Nuclear Structure

Odd-even differences in the stability “peninsula” in the $106 \leq Z \leq 112$ region with the deformed relativistic Hartree-Bogoliubov theory in continuum (9 pages)..... 014301
Xiao-Tao He, Jia-Wei Wu, Kai-Yuan Zhang, and Cai-Wan Shen



2469-9985(202407)110:1;1-2

(Continued)

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

 The editors and referees of PRC find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. C 86, 010001 (2012).

CONTENTS - *Continued*

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 110, NUMBER 1

JULY 2024

Investigation of properties of 1_1^- excited states of even-even nuclei (5 pages)	014302
R. V. Jolos and E. A. Kolganova	
Parameter dependence of the β -decay properties of neutron-rich Zr isotopes within the interacting boson model (15 pages)	014303
M. Homma and K. Nomura	
In-beam γ -ray spectroscopy of negative-parity states of ^{37}K populated in dissipative reactions (8 pages)	014305
T. Beck, A. Gade, B. A. Brown, D. Weisshaar, D. Bazin, K. W. Brown, R. J. Charity, P. J. Farris, S. A. Gillespie, A. M. Hill, J. Li, B. Longfellow, W. Reviol, and D. Rhodes	
Half-life of ^{190}Ir (6 pages)	014306
Ł. Janiak, M. Gierlik, T. Kosiński, M. Matusiak, G. Madejowski, S. Wronka, J. Rządiewicz, J. J. Carroll, and C. J. Chiara	
Quasiparticle random-phase approximation in valence spaces: The case of magnetic dipole transitions (14 pages)	014307
M. Frosini, W. Ryssens, and K. Sieja	
Global prediction of nuclear charge density distributions using a deep neural network (11 pages)	014308
Tian Shuai Shang, Hui Hui Xie, Jian Li, and Haozhao Liang	
Emulating the generator coordinate method with extended eigenvector continuation for the Lipkin-Meshkov-Glick model (9 pages)	014309
Q. Y. Luo, X. Zhang, L. H. Chen, and J. M. Yao	
 Isochronous mass spectrometry at the RIKEN Rare-RI Ring facility (13 pages)	014310
D. Nagae, S. Omika, Y. Abe, Y. Yamaguchi, F. Suzuki, K. Wakayama, N. Tadano, R. Igosawa, K. Inomata, H. Arakawa, K. Nishimuro, T. Fujii, T. Mitsui, T. Yamaguchi, T. Suzuki, S. Suzuki, T. Moriguchi, M. Amano, D. Kamioka, A. Ozawa, S. Naimi, Z. Ge, Y. Yanagisawa, H. Baba, S. Michimasa, S. Ota, G. Lorusso, Yu. A. Litvinov, M. Wakasugi, T. Uesaka, and Y. Yano	
Ternary fission with the emission of long-range α particles in fission of the heaviest nuclei (9 pages)	014311
J. Khuyagbaatar	
Deuteron gravitational form factors: Exchange currents (13 pages)	014312
Fangcheng He and Ismail Zahed	
Mean-field-derived IBM-1 Hamiltonian with intrinsic triaxial deformation (19 pages)	014313
Polytimos Vasileiou, Dennis Bonatsos, and Theo J. Mertzimekis	
Symmetry energy from two-nucleon separation energies of Pb and Ca isotopes (10 pages)	014314
Myeong-Hwan Mun, Myung-Ki Cheoun, Eunja Ha, H. Sagawa, and Gianluca Colò	
Low-lying structure and weak-coupling multiplets of odd-mass Te isotopes below and beyond the neutron magic number $N = 82$ (12 pages)	014315
Hui Jiang, Chang-hao Mao, Yang Lei, Guan-Jian Fu, and Zhen-Zhen Qin	
Investigation of the difference in charge radii of mirror pairs with deep Bayesian neural networks (10 pages)	014316
X. Zhang (张鑫), H. He (何红斌), G. Qu (曲国峰), X. Liu (刘星泉), H. Zheng (郑华), W. Lin (林炜平), J. Han (韩纪锋), P. Ren (任培培), and R. Wada	
Toward optimizing the basis states in the nucleon-pair approximation: Variational factorization (8 pages)	014317
C. Ma, X. Yin, and Y. M. Zhao	
Search for cluster states with negative parities above double shell closures (8 pages)	014318
Tao Wan, Yibin Qian, and Hankui Wang	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 110, NUMBER 1

JULY 2024

Systematics of production cross sections in ^{54}Cr -induced fusion evaporation reactions (7 pages)	014319
L. C. Sun, Z. Y. Zhang, Z. G. Gan, S. Y. Xu, M. M. Zhang, J. G. Wang, M. H. Huang, L. Ma, H. B. Yang, H. B. Zhou, N. Wang, C. L. Yang, Y. H. Qiang, X. L. Wu, Y. L. Tian, J. Y. Wang, Y. S. Wang, Z. Zhao, X. Y. Huang, Z. C. Li, X. Zhang, G. Xie, L. Zhu, H. Zhou, F. Guan, Y. He, and L. T. Sun	
Examination of the evidence for a proton halo in ^{22}Al (7 pages)	014320
K. Y. Zhang, C. Pan, and Sibor Wang	
Nonequilibrium Green's function approach to low-energy fission dynamics: Fluctuations in fission reactions (11 pages)	014321
K. Uzawa and K. Hagino	
α decay from ^{44}Ti : Microscopic α half-life calculation using normalized spectroscopic factors (8 pages)	014322
A. C. Dassie and R. M. Id Betan	
Unified insights: Relativistic density functional theory for proton resonance, emission, and proton-rich exotic nuclei (6 pages)	014323
Shu-Yuan Zhai, Jian-You Guo, and Quan Liu	
Forbidden β decays within the realistic shell model (12 pages)	014324
G. De Gregorio, R. Mancino, L. Coraggio, and N. Itaco	
Microscopic derivation of the generalized collective Hamiltonian (10 pages)	014325
A. Ya. Dzyublik, K. Starosta, Z. Yu, and T. Koike	
Attempt to synthesize the proton-unbound $^{182,183}\text{Bi}$ isotopes (8 pages)	014326
H. Huang, H. Y. Wu, C. Y. Guo, W. Q. Zhang, Q. B. Zeng, D. X. Wang, Z. Liu, Z. H. Li, A. N. Andreyev, S. Antalic, B. Andel, A. Sitarčík, H. Hua, X. H. Yu, Z. X. Zhou, X. Wang, H. Y. Lu, Z. G. Gan, Z. Y. Zhang, L. Ma, M. H. Huang, H. B. Yang, M. M. Zhang, X. J. Wen, G. S. Li, F. F. Zeng, X. X. Xu, J. J. Liu, H. Jian, H. F. Zhu, Q. R. Gao, Z. Qin, J. R. Wang, Z. M. Jia, S. W. Cao, P. F. Zhai, Y. J. Li, X. H. Zhou, and F. S. Zhang	
 Precise neural network predictions of energies and radii from the no-core shell model (13 pages)	014327
Tobias Wolfgruber, Marco Knöll, and Robert Roth	
Detailed structure of ^{131}Sn populated in the β decay of isomerically purified ^{131}In states (19 pages)	014328
J. Benito <i>et al.</i> (IDS and IGISOL Collaboration)	
Effects of finite temperature and pairing correlations in multi- Λ hypernuclei (10 pages)	014329
Bahruz Suleymanli, Kutsal Bozkurt, Elias Khan, Haşim Güven, and Jérôme Margueron	
Efficient production of $^{229\text{m}}\text{Th}$ via nuclear excitation by electron capture (7 pages)	014330
Jingyan Zhao, Adriana Pálffy, Christoph H. Keitel, and Yuanbin Wu	
First high-resolution γ -ray spectroscopy of ^{41}Si (7 pages)	014331
A. Gade, B. A. Brown, J. A. Tostevin, D. Bazin, P. C. Bender, C. M. Campbell, H. L. Crawford, B. Elman, K. W. Kemper, B. Longfellow, E. Lunderberg, D. Rhodes, S. R. Stroberg, and D. Weisshaar	
Nuclear Reactions	
Compound nucleus formation probability for superheavy nuclei (5 pages)	014601
H. C. Manjunatha, N. Sowmya, K. N. Sridhar, and P. S. Damodara Gupta	
Systematic study of capture thresholds with time dependent Hartree-Fock theory (9 pages)	014602
Hong Yao, Hui Yang, and Ning Wang	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 110, NUMBER 1

JULY 2024

One-proton removal from neutron-rich carbon isotopes in $^{12-16}\text{C}$ beams near 240 MeV/nucleon beam energy (6 pages)	014603
Y. Z. Sun (孙亚洲), S. T. Wang (王世陶), Z. Y. Sun (孙志宇), J. G. Li (李健国), C. X. Yuan (袁岑溪), S. Y. Jin (金树亚), X. H. Zhang (章学恒), S. W. Tang (唐述文), D. Yan (闫铎), Y. H. Yu (余玉洪), F. Fang (方芳), and Y. J. Zhang (张永杰)	
Empirical relations for α -decay half-lives: The effect of deformation of daughter nuclei (8 pages)	014604
V. Yu. Denisov	
Nuclear coherent π^0 photoproduction with charge-exchange and spin-flip rescattering (18 pages)	014605
V. Tsaran and M. Vanderhaeghen	
Spontaneous fission and α decay from K -isomeric states within a cluster approach (10 pages)	014606
I. S. Rogov, G. G. Adamian, and N. V. Antonenko	
Investigation of total reaction cross sections for proton-dripline nuclei ^{17}F and ^{17}Ne on a proton target (8 pages)	014607
T. Moriguchi, R. Kagesawa, A. Ozawa, W. Horiuchi, Y. Abe, M. Amano, D. Kamioka, A. Kitagawa, M. Mukai, D. Nagae, M. Sakaue, S. Sato, B. H. Sun, S. Suzuki, T. Suzuki, T. Yamaguchi, A. Yano, and K. Yokota	
Nuclear dissipation and isospin relaxation in $^{20}\text{Ne} + ^{116,124}\text{Sn}$ reactions (8 pages)	014608
Payel Karmakar, Samir Kundu, T. K. Rana, S. Manna, R. Pandey, C. Bhattacharya, K. Banerjee, Pratap Roy, Arijit Sen, T. K. Ghosh, G. Mukherjee, S. Mukhopadhyay, D. Paul, M. Shaikh, S. Nandi, and S. Dalal	
Total cross sections for the reactions $^{10,11,12}\text{Be} + ^{28}\text{Si}$ and $^{14}\text{B} + ^{28}\text{Si}$ (17 pages)	014609
Yu. G. Sobolev, V. V. Samarin, Yu. E. Penionzhkevich, S. S. Stukalov, and M. A. Naumenko	
Translationally invariant shell model calculation of the quasielastic ($p, 2p$) process at intermediate relativistic energies (11 pages)	014610
A. B. Larionov and Yu. N. Uzikov	
α -decay half-lives of uranium isotopes using a two-potential approach (13 pages)	014611
S. A. Alavi, V. Dehghani, A. Soylu, and F. Koyuncu	
Modeling the γ spectrum from d - t collisions (15 pages)	014612
N. K. Timofeyuk, G. W. Bailey, and M. R. Gilbert	
Measurement of the sodium and iodine scintillation quenching factors across multiple NaI(Tl) detectors to identify systematics (20 pages)	014613
D. Cintas, S. Hedges, W. G. Thompson, P. An, C. Awe, P. S. Barbeau, E. Barbosa de Souza, J. H. Jo, L. Li, M. Martínez, R. H. Maruyama, G. C. Rich, J. Runge, and M. L. Sarsa	
Measurements of low-energy nuclear recoil quenching factors for Na and I recoils in the NaI(Tl) scintillator (10 pages)	014614
S. H. Lee, H. W. Joo, H. J. Kim, K. W. Kim, S. K. Kim, Y. D. Kim, Y. J. Ko, H. S. Lee, J. Y. Lee, H. S. Park, and Y. S. Yoon	
Predicted cross sections for the synthesis of $Z = 120$ fusion via $^{54}\text{Cr} + ^{248}\text{Cm}$ and $^{50}\text{Ti} + ^{249}\text{Cf}$ target-projectile combinations (10 pages)	014615
Sahila Chopra and Peter O. Hess	
Difference in peripherality of the inclusive (p, p') and (d, d') reactions and its implications for a phenomenological reaction model (8 pages)	014616
Hibiki Nakada, Shinsuke Nakayama, Kazuki Yoshida, Yukinobu Watanabe, and Kazuyuki Ogata	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 110, NUMBER 1

JULY 2024

Significance of the refraction effect on the p - d elementary process in the (p, pd) reaction (9 pages)	014617
Kazuki Yoshida, Yoshiki Chazono, and Kazuyuki Ogata	
Small cross section of the synthesis of darmstadtium in the $^{48}\text{Ca} + ^{232}\text{Th}$ reaction (9 pages)	014618
A. K. Nasirov, A. R. Yusupov, and B. M. Kayumov	
Photoneutron cross section measurements on ^{208}Pb in the giant dipole resonance region (19 pages)	014619
I. Gheorghe, S. Goriely, N. Wagner, T. Aumann, M. Baumann, P. van Beek, P. Kuchenbrod, H. Scheit, D. Symochko, T. Ari-izumi, F. L. Bello Garrote, T. Eriksen, W. Paulsen, L. G. Pedersen, F. Reaz, V. W. Ingeberg, S. Belyshev, S. Miyamoto, and H. Utsunomiya	
Incomplete fusion reactions for $^{19}\text{F} + ^{169}\text{Tm}$: Measurement of recoil range distributions (12 pages)	014621
Mohd. Shuaib, M. Shariq Asnain, Aquib Siddique, Ishfaq Majeed Bhat, Manoj Kumar Sharma, Abhishek Yadav, Pushpendra P. Singh, Devendra P. Singh, R. Kumar, B. P. Singh, and R. Prasad	
Fission modes in ^{223}Ac and ^{227}Pa compound nuclei (6 pages)	014622
S. Ramakrishna Reddy, A. Pal, S. K. Duggi, T. Santhosh, Pankaj Shah, Tanya Singh, K. Prameela, V. V. Parkar, N. N. Deshmukh, P. K. Rath, Ramandeep Gandhi, S. Santra, P. C. Rout, E. Prasad, P. V. Madhusudhana Rao, and S. Appannababu	
Charge-changing cross section and interaction cross section for $4 \leq Z \leq 9$ isotopes (12 pages)	014623
M. Imran, Z. Hasan, A. A. Usmani, and Z. A. Khan	
Formation of transfermium elements in reactions with ^{208}Pb (9 pages)	014624
M. Albertsson, B. G. Carlsson, T. Døssing, J. Randrup, D. Rudolph, and S. Åberg	
 First direct measurement of the spectrum emitted by the $^3\text{H}(^2\text{H}, \gamma)^5\text{He}$ reaction and assessment of the relative yield γ_1 to γ_0 (7 pages)	014625
Marica Rebai, Davide Rigamonti, Andrea Dal Molin, Giulia Marcer, Angela Bracco, Franco Camera, Daniela Farina, Giuseppe Gorini, Evgeniy Khilkevitch, Massimo Nocente, Enrico Perelli Cippo, Oscar Putignano, Jimmy Scionti, Alexander Shevelev, Andrej Zohar, and Marco Tardocchi	
New constraint on the $^{237}\text{Np}(n, \gamma)^{238}\text{Np}$ integral cross section using the Godiva-IV critical assembly (17 pages)	014626
A. S. Tamashiro, S. Burcher, J. T. Harke, B. Pierson, J. G. Duarte, Y. Mishnayot, S. W. Padgett, P. Zhao, N. Gharibyan, J. Goda, L. Greenwood, D. Hayes, J. Hutchinson, N. Harward, K. Roberts, G. Slavik, and J. Walker	
Relativistic Nuclear Collisions	
Estimation of electric field in intermediate-energy heavy-ion collisions (14 pages)	014901
Hidetoshi Taya, Toru Nishimura, and Akira Ohnishi	
External-magnetic-field-induced paramagnetic squeezing effect in heavy-ion collisions at energies available at the CERN Large Hadron Collider (10 pages)	014902
Ze-Fang Jiang, Zi-Han Zhang, Xue-Fei Yuan, and Ben-Wei Zhang	
Estimation of kinetic temperature and radial flow velocity using identified hadrons and light (anti-)nuclei produced in relativistic heavy-ion collisions at energies available at BNL RHIC and CERN LHC (10 pages)	014903
Junaid Tariq, M. U. Ashraf, and Grigory Nigmatkulov	
Bulk medium properties of heavy-ion collisions from the beam energy scan with a multistage hydrodynamic model (15 pages)	014904
Lipei Du	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 110, NUMBER 1

JULY 2024

Estimate of background baseline and upper limit on the chiral magnetic effect in isobar collisions at $\sqrt{s_{NN}} = 200$ GeV at the BNL Relativistic Heavy Ion Collider (18 pages)	014905
M. I. Abdulhamid <i>et al.</i> (STAR Collaboration)	
Measurements of jet quenching using semi-inclusive hadron+jet distributions in pp and central Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV (36 pages)	014906
S. Acharya <i>et al.</i> (ALICE Collaboration)	
Examination of STAR fixed-target data on directed flow at $\sqrt{s_{NN}} = 3$ and 4.5 GeV (12 pages)	014907
Yu. B. Ivanov and M. Kozhevnikova	
Jet transport coefficients by elastic and radiative scatterings in the strongly interacting quark-gluon plasma (17 pages)	014908
Iliia Grishmanovskii, Olga Soloveva, Taesoo Song, Carsten Greiner, and Elena Bratkovskaya	
Elliptic flow parameter and its fluctuation in $^{197}\text{Au} + ^{197}\text{Au}$ collisions at the STAR-BES energies in a multiphase transport model (9 pages)	014909
Joydeep Thakur, Provash Mali, and Amitabha Mukhopadhyay	
Identifying an X(3872) tetraquark state versus a molecular state by formation time, velocity, and temperature in relativistic nuclear collisions (6 pages)	014910
Zhi-Lei She, An-Ke Lei, Yu-Liang Yan, Dai-Mei Zhou, Wen-Chao Zhang, Hua Zheng, Liang Zheng, Yi-Long Xie, Gang Chen, and Ben-Hao Sa	
Exclusive J/ψ , $\psi(2s)$, and e^+e^- pair production in Au + Au ultraperipheral collisions at the BNL Relativistic Heavy Ion Collider (20 pages)	014911
M. I. Abdulhamid <i>et al.</i> (STAR Collaboration)	
Hadronic Physics and QCD	
Thermoelectric response of a hot and weakly magnetized anisotropic QCD medium (14 pages)	015201
Salman Ahamad Khan, Debarshi Dey, and Binoy Krishna Patra	
Sizes of the nucleon (9 pages)	015202
Norbert Kaiser and Wolfram Weise	
QCD critical point, Lee-Yang edge singularities, and Padé resummations (12 pages)	015203
Gökçe Başar	
Corrections to Landau Fermi-liquid fixed-point approximation in nonlinear bosonized theory: An application to g_A^T in nuclei (10 pages)	015204
Long-Qi Shao and Mannque Rho	
Nonextensivity and temperature fluctuations of the Higgs boson production (7 pages)	015205
D. Rosales Herrera, J. R. Alvarado García, A. Fernández Téllez, J. E. Ramírez, and C. Pajares	
Coordinate versus momentum cuts and effects of collective flow on critical fluctuations (12 pages)	015206
Volodymyr A. Kuznietsov, Mark I. Gorenstein, Volker Koch, and Volodymyr Vovchenko	
Determination of the moments of the proton charge density (10 pages)	015207
M. Atoui, M. B. Barbaro, M. Hoballah, C. Keyrouz, M. Lassaut, D. Marchand, G. Quémener, and E. Voutier	
Electroweak Interaction, Symmetries	
Schiff moments of deformed nuclei (9 pages)	015501
O. P. Sushkov	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 110, NUMBER 1

JULY 2024

	Recoil-order and radiative corrections to the aCORN experiment (8 pages)	015502
	F. E. Wietfeldt, W. A. Byron, B. Collett, M. S. Dewey, T. R. Gentile, F. Glück, M. T. Hassan, G. L. Jones, A. Komives, J. S. Nico, and E. J. Stephenson	
☞	<i>Ab initio</i> investigation of the ${}^7\text{Li}(p, e^+e^-){}^8\text{Be}$ process and the X17 boson (25 pages)	015503
	P. Gysbers, P. Navrátil, K. Kravvaris, G. Hupin, and S. Quaglioni	
	Neutrino-neutron scattering opacities in supernova matter (11 pages)	015504
	Gang Guo, Gabriel Martínez-Pinedo, and Meng-Ru Wu	
	Nuclear Astrophysics	
☞	Strength measurement of the $E_{\alpha}^{\text{lab}} = 830$ keV resonance in the ${}^{22}\text{Ne}(\alpha, n){}^{25}\text{Mg}$ reaction using a stilbene detector (10 pages)	015801
	Shahina, R. J. deBoer, J. Görres, R. Fang, M. Febraro, R. Kelmar, M. Matney, K. Manukyan, J. T. Nattress, E. Robles, T. J. Ruland, T. T. King, A. Sanchez, R. S. Sidhu, E. Stech, and M. Wiescher	
☞	Multichannel constraints on the ${}^6\text{Li}(p, \gamma){}^7\text{Be}$ reaction (8 pages)	015802
	P. M. Prajapati and R. J. deBoer	
	(p, γ) cross section measurements on Sn isotopes relevant to the p process (26 pages)	015803
	S. Harissopulos, E. Vagena, A. Spyrou, M. Axiotis, Z. Kotsina, K. Tsampa, A. Lagoyannis, P. Dimitriou, H.-W. Becker, and V. Foteinou	
	β -delayed proton decay of ${}^{27}\text{P}$ and ${}^{25}\text{Si}$: Implications for the ${}^{26m}\text{Al}(p, \gamma){}^{27}\text{Si}$ reaction rate (10 pages)	015804
	I. C. Stefanescu, L. Trache, A. Saastamoinen, B. T. Roeder, A. E. Spiridon, A. I. Stefanescu, E. Pollacco, G. Lotay, and R. E. Tribble	
	Role of the symmetry energy slope in neutron stars: Exploring the model dependency (11 pages)	015805
	Luiz L. Lopes	
	Stellar β -decay rate of the s -process branching-point ${}^{204}\text{Tl}$: Forbidden transitions (8 pages)	015806
	Yang Xiao, Bin-Lei Wang, and Long-Jun Wang	

ERRATA

	Erratum: Self-consistent single-nucleon potential at positive energy produced by semi-realistic interaction and its examination via nucleon-nucleus elastic scattering [Phys. Rev. C 109 , 044614 (2024)] (2 pages)	019901(E)
	H. Nakada (中田仁) and K. Ishida (石田佳香)	
	Erratum: Stability of the wobbling motion in an odd-mass nucleus and the analysis of ${}^{135}\text{Pr}$ [Phys. Rev. C 95 , 064315 (2017)] (1 page)	019902(E)
	Kosai Tanabe and Kazuko Sugawara-Tanabe	
	Erratum: High-spin states of the semimagic nucleus ${}^{141}\text{Pr}$ [Phys. Rev. C 91 , 064319 (2015)] (3 pages)	019903(E)
	Z. Q. Li (李志泉), S. Y. Wang (王守宇), L. Liu (刘雷), Y. M. Zhang (张亚梅), B. Qi (仝斌), S. Wang (王硕), D. P. Sun (孙大鹏), C. Liu (刘晨), P. Zhang (张盼), N. B. Zhang (张乃波), H. Jia (贾慧), Q. Hu (胡琪), C. Y. Niu (牛晨阳), Z. Q. Chen (陈志强), P. Lv (吕品), C. Y. Li (李传洋), X. G. Wu (吴晓光), G. S. Li (李广生), C. Y. He (贺创业), Y. Zheng (郑云), C. B. Li (李聪博), H. W. Li (李红伟), and P. W. Luo (罗朋威)	
	Erratum: Identification of new collective bands in the neutron-rich ${}^{102}\text{Zr}$ nucleus [Phys. Rev. C 78 , 044317 (2008)] (3 pages)	019904(E)
	K. Li, E. H. Wang, J. H. Hamilton, A. V. Ramayya, S. J. Zhu, Y. X. Luo, J. K. Hwang, C. Goodin, J. O. Rasmussen, G. M. Ter-Akopian, A. V. Daniel, I. Y. Lee, S. C. Wu, R. Donangelo, J. D. Cole, W. C. Ma, and M. A. Stoyer	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 110, NUMBER 1

JULY 2024

Erratum: Possibility to form $Z = 120$ via the $^{64}\text{Ni} + ^{238}\text{U}$ reaction using the dynamical cluster-decay model [Phys. Rev. C 105 , 014610 (2022)] (1 page)	019905(E)
Sahila Chopra, Manoj K. Sharma, Peter Oto Hess, and Jasleen Bedi	
Erratum: Partial-wave expansion of ΛNN three-baryon interactions in chiral effective field theory [Phys. Rev. C 106 , 054004 (2022)] (2 pages)	019906(E)
M. Kohno, H. Kamada, and K. Miyagawa	
Erratum: Faddeev calculation of $^3_\Lambda\text{H}$ incorporating the 2π -exchange ΛNN interaction [Phys. Rev. C 108 , 024004 (2023)] (2 pages)	019907(E)
H. Kamada, M. Kohno, and K. Miyagawa	
Erratum: Contributions of 2π exchange, 1π exchange, and contact three-body forces in NNLO chiral effective field theory to $^3_\Lambda\text{H}$ [Phys. Rev. C 109 , 024003 (2024)] (2 pages)	019908(E)
M. Kohno, H. Kamada, and K. Miyagawa	