PHYSICAL REVIEW C™

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 112, NUMBER 2 *CONTENTS* **AUGUST 2025**

LETTERS

Nuclear Structure

Evolution of shell structure at $N = 32$ and 34: Insights from realistic nuclear forces *(7 pages)* L021301
Subhrajit Sahoo and Praveen C. Srivastava

Subspace-projected multireference covariant density functional theory *(7 pages)* L021302
X. Zhang, C. C. Wang, C. R. Ding, and J. M. Yao

Charge radii of calcium isotopes within relativistic density functional theory: The finite size of the nucleon and quadrupole shape-fluctuation effects *(7 pages)* L021303
H. H. Xie, J. Li, Y. L. Yang, and P. W. Zhao

Relativistic Nuclear Collisions

Relativistic spin hydrodynamics from novel relaxation time approximation *(7 pages)* L021901
Samapan Bhadury

Electroweak Interaction, Symmetries

Rare multinucleon decays with the full data sets of the MAJORANA DEMONSTRATOR *(7 pages)* L022501
I. J. Arnquist *et al.* (MAJORANA Collaboration)

ARTICLES

Nucleon-Nucleon Interaction, Few-Body Systems

Two-body triton photodisintegration and Wigner-SU(4) symmetry *(20 pages)* 024001
Xincheng Lin and Jared Vanasse

Greedy emulators for nuclear two-body scattering *(22 pages)* 024002
J. M. Maldonado, C. Drischler, R. J. Furnstahl, and P. Mlinarić

Three-body model of ^{6}He with nonlocal halo effective field theory potentials *(11 pages)* 024003
E. C. Pinilla, W. Leidemann, G. Orlandini, and P. Descouvemont

Three-body Faddeev calculations for the low-lying states of ^{18}O in momentum space *(13 pages)* 024004
Ning Li, Xi-Rui Zhao, Rui Zhang, Liang-Kai Wu, Meng-Jiao Lyu, Jun-Jie He, Wei-Yu Tong, Zi-Yan Zhang, and Yu-Xin Li

2469-9985(202508)112:2;1-Y

(Continued)

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).

PHYSICAL REVIEW C **THIRD SERIES, VOLUME 112, NUMBER 2** **AUGUST 2025**

Nuclear Structure

Ratio of volume and surface symmetry energy coefficients: A novel constraint with difference in mirror pair charge radii predicted by Bayesian neural networks *(8 pages)* 024301
W. Chen (陈婉君), X. Liu (刘星泉), H. Zheng (郑华), X. Zhang (张鑫), H. He (何红斌), W. Lin (林炜平), J. Han (韩纪锋), C. W. Ma (马春旺), C. Y. Qiao (乔春源), and R. Wada

Core-excited microsecond isomer in ^{207}Pb *(8 pages)* 024302
S. K. Tandel, S. G. Wahid, N. Krishnadev, M. Hemalatha, Subhrajit Sahoo, P. C. Srivastava, P. Chowdhury, R. V. F. Janssens, F. G. Kondev, M. P. Carpenter, T. Lauritsen, and D. Seweryniak

Shell effects in nuclear charge radii based on Skyrme density functionals *(11 pages)* 024303
Rong An, Shuai Sun, Xiang Jiang, Na Tang, Li-Gang Cao, and Feng-Shou Zhang

Effects of perturbation of the transition operator in double-β decay on nuclear matrix elements, effective axial-vector current coupling, and half-life *(21 pages)* 024304
J. Terasaki and O. Civitarese

Deep learning approaches for nuclear binding energy predictions: A comparative study of RNN, GRU, and LSTM neural-network models *(16 pages)* 024305
Amir Jalili, Feng Pan, Ai Xi Chen, and Jerry P. Draayer

Investigation of extrapolation for nuclear mass and α-decay energy based on the radial basis function approach *(10 pages)* 024306
Tao Li, Ning Wang, Cheng Li, and Min Liu

Lifetime measurement of the muonic atoms of enriched Si isotopes *(9 pages)* 024307
R. Mizuno, M. Niikura, S. Akamatsu, T. Fujiie, K. Ishida, T. Ito, T. Kikuchi, T. Matsuzaki, F. Minato, J. Murata, T. Naito, K. Shimomura, S. Takeshita, I. Umegaki, and Y. Yamaguchi

Quantifying neutron-proton interactions in $N = 51$ isotones: From the NEEC candidate ^{93}Mo to ^{99}Cd *(11 pages)* 024308
B. Maheshwari, P. Van Isacker, and P. M. Walker

Physical interpretation in favored and unfavored α transitions with a Bayesian optimization approach *(8 pages)* 024309
Jian Liu, Zisheng Jin, and Zhongzhou Ren

Quartet correlations near the surface of $N = Z$ nuclei *(11 pages)* 024310
Yixin Guo (郭一昕), Tomoya Naito (内藤智也), Hiroyuki Tajima (田島裕之), and Haozhao Liang (梁豪兆)

Evidence for triaxial shape coexistence in ^{74}Ge *(14 pages)* 024311
N. Sensharma, A. D. Ayangeakaa, T. M. Kowalewski, R. V. F. Janssens, Y. M. Wang, Q. B. Chen, J. M. Allmond, C. M. Campbell, S. R. Carmichael, M. P. Carpenter, P. Copp, C. Cousins, M. Devlin, U. Garg, C. Müller-Gatermann, D. J. Hartley, J. Heery, J. Henderson, H. Jayatissa, S. R. Johnson, S. P. Kisyov, F. G. Kondev, T. Lauritsen, S. Nandi, R. Rathod, W. Reviol, M. Rocchini, E. Rubino, R. Russell, A. Saracino, D. Seweryniak, M. Siciliano, and C. Y. Wu

Evolution of quadrupole collectivity in Te isotopes *(11 pages)* 024312
S. Pascu, K. Kaneko, C. Qi, Y.-X. Liu, Y. Sun, N. Shimizu, T. Mizusaki, C. Mihai, M. Boromiza, D. Bucurescu, C. Costache, S. Călinescu, C. Clisu, A. Coman, I. Dinescu, D. Filipescu, N. M. Florea, I. Gheorghe, A. Ionescu, R. Lică, N. Mărginean, R. Mărginean, R. E. Mihai, A. Mitu, A. Negret, C. R. Niţă, C. Petrone, L. Stan, S. Toma, A. E. Turturică, G. Turturică, and S. Ujeniuc

Impact of triaxial deformation on proton halos *(8 pages)* 024313
Hanlin Wang (王翰林), Zhen Wang (王震), C. F. Chen (陈超锋), and Zhongzhou Ren (任中洲)

(Continued)

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).

PHYSICAL REVIEW C **THIRD SERIES, VOLUME 112, NUMBER 2** **AUGUST 2025**

Investigation and clarification of level structures in the odd-odd ^{138}Pm nucleus *(8 pages)* 024314
H. Wang (王豪), K. Y. Ma (马克岩), J. B. Lu (陆景彬), H. N. Pan (潘昊楠), D. Zhao (赵迪), X. R. Zhao (赵新瑞), H. Y. Ye (叶欢仪), X. J. Zhao (赵新洁), K. S. Su (苏康帅), Z. Zhang (张哲), J. Q. Liu (刘佳强), J. Y. Li (李纪元), Y. C. Hao (郝宜春), Z. Qiao (乔政), Y. M. Liu (刘玉敏), Y. J. Ma (马英君), D. Yang (杨东), X. G. Wu (吴晓光), Y. Zheng (郑云), and C. B. Li (李聪博)

High-spin states of $^{165,166,167}_{68}$Er populated in incomplete fusion reactions *(19 pages)* 024315
M. J. Burns, R. Chapman, M. Labiche, J. Ollier, V. Kumar, C.-J. Lv, Y.-X. Liu, Y. Sun, Th. Kröll, C. Ur, K.-M. Spohr, E. Farnea, and T. Martinez

Charge radii and their deformation correlation for even-Z nuclei in deformed relativistic Hartree-Bogoliubov theory in continuum *(9 pages)* 024316
Cong Pan (潘琮) and Jie Meng (孟杰)

Radii of light nuclei from the Jacobi no-core shell model *(11 pages)* 024317
Xiang-Xiang Sun, Hoai Le, Ulf-G. Meißner, and Andreas Nogga

Convergence on the proton dripline in thulium *(11 pages)* 024318
B. Kootte, M. P. Reiter, C. Andreoiu, S. Beck, J. Bergmann, T. Brunner, T. Dickel, K. A. Dietrich, J. Dilling, E. Dunling, J. Flowerdew, L. Graham, G. Gwinner, Z. Hockenbery, C. Izzo, A. Jacobs, A. Javaji, R. Klawitter, Y. Lan, E. Leistenschneider, E. M. Lykiardopoulou, I. Miskun, I. Mukul, T. Murböck, S. F. Paul, W. R. Plaß, J. Ringuette, C. Scheidenberger, R. Silwal, R. Simpson, A. Teigelhöfer, R. I. Thompson, J. L. Tracy, Jr., M. Vansteenkiste, R. Weil, M. E. Wieser, C. Will, and A. A. Kwiatkowski

Roles of spin-orbit interaction and pairing correlation in α decay of ^{210}Po *(10 pages)* 024319
Wenhao Zhang (张文昊), Yonghao Gao (高永浩), Jianpo Cui (崔建坡), Yanzhao Wang (王艳召), and Jianzhong Gu (顾建中)

Exploring β decay and β-delayed neutron emission in exotic ^{46,47}Cl isotopes *(12 pages)* 024320
Vandana Tripathi, B. Longfellow, A. Volya, E. Rubino, C. Benetti, J. F. Perello, S. L. Tabor, S. N. Liddick, P. C. Bender, M. P. Carpenter, J. J. Carroll, A. Chester, C. J. Chiara, K. Childers, B. R. Clark, B. P. Crider, J. T. Harke, R. Jain, S. Luitel, M. J. Mogannam, T. H. Ogunbeku, A. L. Richard, S. Saha, O. A. Shehu, R. Unz, Y. Xiao, and Yiyi Zhu

Resonant structure of ^{18}Na and the $N = 8$ shell *(7 pages)* 024321
L. Ni, Y. Jin, Z. H. Li, K. W. Brown, H. Hua, C. Y. Niu, A. K. Anthony, J. Barney, R. J. Charity, D. Dell'Aquila, J. M. Elson, J. Estee, G. Jhang, J. G. Li, W. G. Lynch, N. Michel, L. G. Sobotka, S. Sweany, F. C. E. Teh, A. Thomas, C. Y. Tsang, M. B. Tsang, S. M. Wang, H. Y. Wu, C. X. Yuan, and K. Zhu

Direct detection of the ≈8.4 eV internal conversion energy of ^{229m}Th embedded in a superconducting nanowire *(7 pages)* 024322
Galen O'Neil, Kjeld Beeks, Eric Hudson, Justin Jeet, David Leibrandt, Marion Mallweger, Sae Woo Nam, Sayan Patra, Gil Porat, Dileep Reddy, Thorsten Schumm, Stephen B. Schoun, Benedict Seiferle, Christian Schneider, Lars von der Wense, Peter G. Thirolf, Varun Verma, Jun Ye, and Chuankun Zhang

Quantum simulations of nuclear resonances with variational methods *(14 pages)* 024323
Ashutosh Singh, Pooja Siwach, and P. Arumugam

Study of alpha-resonances in ^{11}B via the ^{7}Li(^{7}Li, t) reaction *(9 pages)* 024324
E. Lopez-Saavedra, S. Almaraz-Calderon, K. W. Kemper, R. Aggarwal, S. Ajayi, L. T. Baby, C. Benetti, A. L. Conley, J. Esparza, D. Houlihan, B. Kelly, G. W. McCann, A. B. Morelock, V. Sitaraman, E. Temanson, M. Wheeler, I. Wiedenhöver, C. Wibisono, A. N. Kuchera, and G. Ryan

(Continued)

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).

PHYSICAL REVIEW C **THIRD SERIES, VOLUME 112, NUMBER 2** **AUGUST 2025**

Application of the optimized-basis generator coordinate method to low-lying excited states of *sd*-shell nuclei *(8 pages)* 024325
Moemi Matsumoto, Yusuke Tanimura, and Kouichi Hagino

Interband $B(E1)$ strengths in heavy nuclei based on the proxy-SU(3) scheme *(11 pages)* 024326
A. Restrepo-Giraldo and J. P. Valencia

Statistical properties and photon strength functions of the ^{112,114}Sn isotopes below the neutron separation threshold *(18 pages)* 024327
P.-A. Söderström *et al.*

β- and α-decay spectroscopy of ^{182}Au *(16 pages)* 024328
J. Mišt *et al.* (ISOLDE Decay Station Collaboration)

Bayesian inference correlation: From α-particle preformation factor to α-decay properties in heavy and superheavy nuclei *(15 pages)* 024329
Xiao-Yan Zhu, Wei Gao, Liqiang Zhu, Wen-Jing Xing, Xun Chen, Wen-Bin Lin, and Xiao-Hua Li

Isomeric states, high-K bands, and possible prolate-oblate shape coexistence in ^{116}Cs *(14 pages)* 024330
P. M. Jodidar, C. M. Petrache, A. Astier, X. T. He, Q. Q. Zhang, S. Guo, B. F. Lv, K. K. Zheng, K. Auranen, A. D. Briscoe, P. T. Greenlees, T. Grahn, A. Illana, H. Joukainen, R. Julin, J. Louko, M. Luoma, H. Jutila, J. Ojala, J. Pakarinen, A. M. Plaza, P. Rahkila, P. Ruotsalainen, J. Sarén, A. Tolosa-Delgado, J. Uusitalo, G. L. Zimba, I. Kuti, A. Krakó, C. Andreoiu, D. T. Joss, R. D. Page, A. Ertoprak, and E. A. Cederlöf

Nuclear Reactions

Quantum correlation dynamics and in-medium $3 \leftrightarrow 3$ collisions of fermions *(24 pages)* 024601
Wolfgang Cassing

Extraction of the non-spin- and spin-transfer isovector responses via the ^{12}C(^{10}Be, ^{10}B $+\gamma$) ^{12}B reaction *(11 pages)* 024602
Sk M. Ali, C. Maher, R. G. T. Zegers, M. Scott, D. Bazin, M. Bowry, B. A. Brown, C. M. Campbell, A. Gade, S. Galès, U. Garg, M. N. Harakeh, E. Kwan, C. Langer, C. Loelius, C. Morse, S. Noji, T. Redpath, H. Sakai, M. Sasano, C. Sullivan, and D. Weisshaar

Interference between meson exchange and one-body currents in quasielastic electron scattering *(29 pages)* 024603
P. R. Casale, J. E. Amaro, V. Belocchi, M. B. Barbaro, A. De Pace, and M. Martini

Uncertainty quantification of optical models in fission fragment deexcitation *(18 pages)* 024604
Kyle A. Beyer, Amy E. Lovell, Cole D. Pruitt, Nathan P. Giha, and Brian C. Kiedrowski

Influence of cluster configurations and nucleon-nucleon scattering cross section on stopping power in heavy-ion collisions *(8 pages)* 024605
S. Y. Yao (姚少雨), X. G. Deng (邓先概), and Y. G. Ma (马余刚)

Cross-checking the geometric effects in heavy-ion collisions at 500 MeV/nucleon *(7 pages)* 024606
Zu-Xing Yang, Xiao-Hua Fan, Zhi-Pan Li, and Shunji Nishimura

Quantum molecular dynamics model based on relativistic mean field theory for light nucleus fragmentation in hadron therapy *(18 pages)* 024607
Akihiro Haga, Yoshi-hide Sato, Hana Fujiwara, Dousatsu Sakata, David Bolst, Edward C. Simpson, and Susanna Guatelli

Experimental and theoretical investigation of $(n, 2n)$ reaction cross sections for ^{150}Nd and ^{86}Sr *(15 pages)* 024608
Jyotisankar Das, H. Kumawat, R. Gowrishankar, S. C. Sharma, M. Meher, A. Baishya, A. Pal, P. C. Rout, and S. Santra

(Continued)

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).

PHYSICAL REVIEW C **THIRD SERIES, VOLUME 112, NUMBER 2** **AUGUST 2025**

Electroproduction of medium- and heavy-mass hypernuclei *(15 pages)* 024609
P. Bydžovský, D. Denisova, F. Knapp, and P. Veselý

Exploring the potential of ^{50}Ti in superheavy nuclei production: A theoretical insight *(9 pages)* 024610
Qing Qing Yao, Tian Liang Zhao, and Xiao Jun Bao

Application of the dynamical cluster-decay model for the synthesis of $Z = 126$: A comparative analysis of Ni- and Fe-induced reactions *(9 pages)* 024611
Sahila Chopra and Peter O. Hess

Production of neutron-rich heavy nuclei in deep-inelastic $^{208}\mathrm{Pb} + {}^{208}\mathrm{Pb}$ collisions within the stochastic mean-field theory *(16 pages)* 024612
K. Sekizawa, S. Ayik, E. C. Karanfil, M. Arik, O. Yilmaz, and A. S. Umar

Source function from two-particle correlation function through entropy-regularized Richardson-Lucy deblurring *(10 pages)* 024613
Chi-Kin Tam, Zbigniew Chajęcki, Paweł Danielewicz, and Pierre Nzabahimana

Symmetry energy and isoscaling behavior of fragments emitted in ^{14}N, $^{20}\mathrm{Ne} + {}^{112,116,124}\mathrm{Sn}$ at 18–30 MeV/nucleon *(9 pages)* 024614
Payel Karmakar, Samir Kundu, T. K. Rana, S. Mallik, S. Manna, Ratnesh Pandey, K. Banerjee, Pratap Roy, S. Mukhopadhyay, Arijit Sen, T. K. Ghosh, P. Pant, G. Mukherjee, A. Sultana, D. Mondal, D. Pandit, R. Shil, and K. Rani

Measurements of Gamow-Teller transitions from ^{59}Co via the $^{59}\mathrm{Co}(t, {}^{3}\mathrm{He} + \gamma)$ charge-exchange reaction and its application to the stellar electron-capture rates *(12 pages)* 024615
B. Gao, S. Giraud, C. J. Lv, Y. Sun, R. G. T. Zegers, L. J. Wang, Y. F. Niu, J. Ash, Y. Ayyad-Limonge, D. Bazin, S. Biswas, B. A. Brown, J. Chen, P. Farris, A. Gade, T. Ginter, M. Grinder, A. M. Hill, H. Iwasaki, E. Kwan, K. A. Li, B. Longfellow, C. Maher, F. Ndayisabye, S. Noji, J. Pereira, A. Revel, D. Rhodes, A. Sanchez, J. Schmitt, C. Sumithrarachchi, X. Tang, S. C. Wang, and D. Weisshaar

Intranuclear cascade model for light charged particles from α-induced reactions at 230 MeV/u *(7 pages)* 024616
Toshimasa Furuta, Yusuke Uozumi, and Yuji Yamaguchi

Applications of the modified Hulthén-Kohn method for bound and scattering states *(15 pages)* 024617
Mamoon A. Sharaf, Andrey M. Shirokov, Weijie Du, and James P. Vary

Emulating multichannel scattering based on eigenvector continuation in the discrete-basis formalism *(8 pages)* . . . 024618
K. Hagino, Zehong Liao, S. Yoshida, M. Kimura, and K. Uzawa

Relativistic Nuclear Collisions

Acceptance dependence of factorial cumulants, long-range correlations, and the antiproton puzzle *(10 pages)* 024901
Adam Bzdak, Volker Koch, and Volodymyr Vovchenko

p_T-differential radial flow in a blast-wave model *(10 pages)* 024902
Swati Saha, Ranbir Singh, and Bedangadas Mohanty

Toward a fluid-dynamic description of an entire heavy-ion collision: From the colliding nuclei to the quark-gluon plasma phase *(18 pages)* 024903
Andreas Kirchner, Federica Capellino, Eduardo Grossi, and Stefan Floerchinger

Spacetime profile of electromagnetic fields in intermediate-energy heavy-ion collisions *(16 pages)* 024904
Hidetoshi Taya

First measurement of symmetric cumulants of hexagonal flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV *(14 pages)* 024905
S. Acharya *et al.* (ALICE Collaboration)

(Continued)

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).

PHYSICAL REVIEW C **THIRD SERIES, VOLUME 112, NUMBER 2** **AUGUST 2025**

Spectra and azimuthal harmonic of charmed mesons in Pb+Pb collisions at energies available at the CERN Large Hadron Collider *(10 pages)* 024906
Jingzong Zhang, Huanjing Gong, Hua Zheng, Wei Dai, and Lilin Zhu

Dynamical evolution of critical fluctuations with second-order baryon diffusion coupled to a chiral condensate *(25 pages)* 024907
Azumi Sakai, Koichi Murase, Hirotsugu Fujii, and Tetsufumi Hirano

Measurement of the transverse energy density in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV with the sPHENIX detector *(10 pages)* 024908
M. I. Abdulhamid *et al.* (sPHENIX Collaboration)

Ξ^- collective flow and equation of state of dense nuclear matter in heavy-ion collisions *(5 pages)* 024909
Yuan Gao, Lei Zhang, Mei-Ling Yu, Hua Zheng, and Gao-Chan Yong

Azimuthal anisotropies of charged particles with high transverse momentum in Pb+Pb collisions at $\sqrt{s_{\rm NN}} = 5.02$ TeV with the ATLAS detector *(34 pages)* 024910
G. Aad *et al.* (ATLAS Collaboration)

Investigating effects of the electrical conductivity of QCD matter on charge-dependent directed flow *(11 pages)* 024911
Nicholas J. Benoit, Takahiro Miyoshi, Chiho Nonaka, and Hiroyuki R. Takahashi

Hadronic Physics and QCD

Inclusive electron scattering in the resonance region off a hydrogen target with CLAS12 *(24 pages)* 025201
V. Klimenko *et al.* (CLAS Collaboration)

Photoproduction of η' mesons off protons in the resonance region *(18 pages)* 025202
D. Skoupil, P. Bydžovský, D. Trnková, and T. Akiyama

Measurement of spin-density matrix elements in $\phi(1020) \to K_S^0 K_L^0$ photoproduction with a linearly polarized photon beam at $E_\gamma = 8.2$–8.8 GeV *(11 pages)* 025203
F. Afzal *et al.* (GlueX Collaboration)

Bremsstrahlung photon contributions to parton energy loss at high virtuality Q^2: A perturbative calculation at $O(\alpha_s \alpha_{\rm em})$ *(41 pages)* 025204
Amit Kumar and Gojko Vujanovic

Electroweak Interaction, Symmetries

Toward the determination of CP-odd pion-nucleon couplings *(11 pages)* 025501
Shohini Bhattacharya, Kaori Fuyuto, Emanuele Mereghetti, and Thomas R. Richardson

Investigating nuclear β decay using a lattice quantum Monte Carlo approach *(12 pages)* 025502
Teng Wang, Xu Feng, and Bing-Nan Lu

Nuclear Astrophysics

Unified treatment for in-medium light and heavy clusters with relativistic mean-field models *(9 pages)* 025801
Cheng-Jun Xia (夏铖君)

Symmetry energy and its impact on the characteristics of asymmetric nuclear dense matter *(14 pages)* 025802
Queena, Mukul Kumar, Raj Kumar, and Shashi K. Dhiman

Inverse kinematics study of the energy levels of ^{21}Ne populated with the ^{20}Ne $+d$ reaction *(12 pages)* 025803
C. Angus, A. M. Laird, T. L. Tang, P. Adsley, M. L. Avila, S. Chakraborty, J. Frost-Schenk, C. R. Hoffman, H. Jayatissa, B. P. Kay, R. Longland, C. Müller-Gatermann, J. S. Rojo, I. A. Tolstukhin, and G. L. Wilson

(Continued)

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 112, NUMBER 2** **AUGUST 2025**

Investigation of ^{31}P levels near the proton threshold with nuclear resonance fluorescence and the impact on the ^{30}Si$(p,\gamma)^{31}$P thermonuclear rate *(12 pages)* 025804
David Gribble, Christian Iliadis, Robert V. F. Janssens, Udo Friman-Gayer, Akaa D. Ayangeakaa, Art Champagne, Emily Churchman, William Fox, Steven Frye, Xavier K.-H. James, Samantha R. Johnson, Richard Longland, Antonella Saracino, Nirupama Sensharma, Kaixin Song, and Clay Wegner

Total cross section of ^{14}N $+n$ from 0.1 to 12 MeV *(10 pages)* 025805
R. J. deBoer, A. R. Junghans, R. Arquette, D. Bemmerer, A. Best, R. Beyer, A. Boeltzig, G. Clarke, J. Görres, T. Hensel, M. Matney, S. E. Müller, D. Rapagnani, A. Roberts, K. Römer, S. Turkat, K. Schmidt, J. Skowronski, A. Wagner, M. Wiescher, and A. Yadav

Influence of a σ-cut potential on antikaon condensation in pure nucleonic neutron star matter *(9 pages)* 025806
Tamanna Iqbal, Yashmitha Kumaran, A. Bhagwat, and B. K. Sharma

ERRATA

Erratum: High spin states in ^{151,153}Pr, ^{157}Sm, and ^{93}Kr [Phys. Rev. C **82**, 034308 (2010)] *(2 pages)* . . . . . 029901(E)
E. H. Wang, J. K. Hwang, A. V. Ramayya, J. H. Hamilton, S. H. Liu, N. T. Brewer, Y. X. Luo, J. O. Rasmussen, S. J. Zhu, and R. Donangelo

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).