

CONTENTS - *Continued*

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 106, NUMBER 4

OCTOBER 2022

Erratum: High spin states in ^{93}Sr [Phys. Rev. C 67 , 014317 (2003)] (2 pages)	049903(E)
J. K. Hwang, E. H. Wang, A. V. Ramayya, J. H. Hamilton, Y. X. Luo, J. O. Rasmussen, C. J. Beyer, P. M. Gore, S. C. Wu, I. Y. Lee, C. M. Folden, III, P. Zielinski, K. E. Gregorich, A. O. Macchiavelli, M. A. Stoyer, S. J. Asztalos, T. N. Ginter, R. Donangelo, L. Coraggio, A. Covello, A. Gargano, and N. Itaco	
Erratum: Identification of collective bands in neutron-rich ^{113}Ru [Phys. Rev. C 67 , 064307 (2003)] (2 pages)	049904(E)
Z. Zhang, E. H. Wang, S. J. Zhu, J. H. Hamilton, A. V. Ramayya, J. K. Hwang, R. Q. Xu, Z. Jiang, S. D. Xiao, X. Q. Zhang, J. Kormicki, P. M. Gore, E. F. Jones, W. C. Ma, J. D. Cole, M. W. Drigert, I. Y. Lee, J. O. Rasmussen, Y. X. Luo, T. N. Ginter, C. Folden, P. Fallon, III, P. Zielinski, K. E. Gregorich, A. O. Macchiavelli, R. Donangelo, and M. A. Stoyer	
Erratum: Particle-hole excited states in ^{133}Te [Phys. Rev. C 65 , 034319 (2002)] (2 pages)	049905(E)
J. K. Hwang, E. H. Wang, A. V. Ramayya, J. H. Hamilton, C. J. Beyer, J. O. Rasmussen, Y. X. Luo, S. C. Wu, T. N. Ginter, C. M. Folden, III, P. Fallon, P. M. Zielinski, K. E. Gregorich, A. O. Macchiavelli, M. Stoyer, S. J. Asztalos, A. Covello, and A. Gargano	

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 106, NUMBER 4

OCTOBER 2022

High-precision measurement of the ${}^6\text{He}$ half-life (10 pages)	045502
M. Kanafani, X. Fléchar, O. Naviliat-Cuncic, G. D. Chung, S. Leblond, E. Liénard, X. Mougeot, G. Quémener, A. Simancas Di Filippo, and J.-C. Thomas	
Precise Q -value measurements of ${}^{112,113}\text{Ag}$ and ${}^{115}\text{Cd}$ with the Canadian Penning trap for evaluation of potential ultralow Q -value β decays (9 pages)	045503
N. D. Gamage, R. Sandler, F. Buchinger, J. A. Clark, D. Ray, R. Orford, W. S. Porter, M. Redshaw, G. Savard, K. S. Sharma, and A. A. Valverde	
Nuclear Astrophysics	
Investigation of direct capture in the ${}^{23}\text{Na}(p, \gamma){}^{24}\text{Mg}$ reaction (10 pages)	045801
A. Boeltzig, R. J. deBoer, Y. Chen, A. Best, M. Couder, A. Di Leva, B. Frentz, J. Görres, Gy. Gyürky, G. Imbriani, M. Junker, Q. Liu, S. Lyons, K. Manukyan, K. T. Macon, L. Morales, M. T. Moran, D. Odell, C. Seymour, G. Seymour, E. Stech, B. Vande Kolk, and M. Wiescher	
R -matrix analyses for the ${}^7\text{Li}(t, n){}^9\text{Be}$ and ${}^7\text{Li}({}^3\text{He}, p){}^9\text{Be}$ reactions and their improved thermonuclear reaction rates (7 pages)	045802
J. Hu, N. Tian, Y. Y. Li, S. Q. Hou, S. W. Xu, J. B. Liu, and J. F. Lv	
Nuclear fission reaction simulations in compact stars (8 pages)	045803
Alex Deibel, M. E. Caplan, and C. J. Horowitz	
Exploring universal characteristics of neutron star matter with relativistic <i>ab initio</i> equations of state (9 pages) . . .	045804
Sibo Wang, Chencan Wang, and Hui Tong	
First inverse kinematics measurement of resonances in ${}^7\text{Be}(\alpha, \gamma){}^{11}\text{C}$ relevant to neutrino-driven wind nucleosynthesis using DRAGON (14 pages)	045805
A. Psaltis, A. A. Chen, R. Longland, D. S. Connolly, C. R. Brune, B. Davids, J. Fallis, R. Giri, U. Greife, D. A. Hutcheon, L. Kroll, A. Lennarz, J. Liang, M. Lovely, M. Luo, C. Marshall, S. N. Paneru, A. Parikh, C. Ruiz, A. C. Shoter, and M. Williams	
Effects of an isovector scalar meson on the equation of state of dense matter within a relativistic mean field model (10 pages)	045806
Virender Thakur, Raj Kumar, Pankaj Kumar, Vikesh Kumar, Mukul Kumar, C. Mondal, B. K. Agrawal, and Shashi K. Dhiman	
Resonance-to-bound transition of ${}^5\text{He}$ in neutron matter and its analogy with heteronuclear Feshbach molecules (7 pages)	045807
Hiroyuki Tajima, Hajime Moriya, Wataru Horiuchi, Kei Iida, and Eiji Nakano	

ERRATA

Erratum: High-spin states in ${}^{156}\text{Yb}$ and structure evolutions at large angular momenta in even- A Yb isotopes [Phys. Rev. C 77 , 064323 (2008)] (2 pages)	049901(E)
Z. Y. Li, H. Hua, S. Y. Wang, J. Meng, Z. H. Li, X. Q. Li, F. R. Xu, H. L. Liu, S. Q. Zhang, Y. L. Ye, D. X. Jiang, T. Zheng, L. Y. Ma, F. Lu, F. Y. Fan, L. Y. Han, H. Wang, J. Xiao, D. Chen, X. Fang, J. L. Lou, S. G. Zhou, L. H. Zhu, X. G. Wu, G. S. Li, C. Y. He, Y. Liu, X. Q. Li, X. Hao, B. Pan, and L. H. Li	
Erratum: Identification of the $\nu 9/2[404]$ band in ${}^{97}\text{Sr}$ [Phys. Rev. C 67 , 054304 (2003)] (2 pages)	049902(E)
J. K. Hwang, E. H. Wang, A. V. Ramayya, J. H. Hamilton, D. Fong, C. J. Beyer, P. M. Gore, Y. X. Luo, J. O. Rasmussen, S. C. Wu, I. Y. Lee, C. M. Folden, III, P. Fallon, P. Zielinski, K. E. Gregorich, A. Macchiavelli, M. A. Stoyer, S. Asztalos, T. N. Ginter, S. J. Zhu, J. D. Cole, G. M. Ter-Akopian, Yu. Ts. Oganessian, and R. Donangelo	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 106, NUMBER 4

OCTOBER 2022

Correcting the B_A coalescence factor at energies relevant for the GSI-HADES experiment and the RHIC Beam Energy Scan (10 pages)	044905
Apiwit Kittiratpattana, Tom Reichert, Jan Steinheimer, Christoph Herold, Ayut Limphirat, Yupeng Yan, and Marcus Bleicher	
Projections of two-particle correlations onto transverse rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV at STAR (22 pages)	044906
M. S. Abdallah <i>et al.</i> (STAR Collaboration)	
Splitting of elliptic flow in a tilted fireball (6 pages)	044907
Tribhuban Parida and Sandeep Chatterjee	
Deuteron yields from heavy-ion collisions at energies available at the CERN Large Hadron Collider: Continuum correlations and in-medium effects (14 pages)	044908
Benjamin Dönigus, Gerd Röpke, and David Blaschke	
Importance of higher harmonics and v_4 puzzle in quark-gluon plasma tomography (9 pages)	044909
Dusan Zigic, Jussi Auvinen, Igor Salom, Magdalena Djordjevic, and Pasi Huovinen	
Nonequilibrium effects and transverse sphericity in ultrarelativistic proton-nucleus collisions (16 pages)	044910
Lucia Oliva, Wenkai Fan, Pierre Moreau, Steffen A. Bass, and Elena Bratkovskaya	
Measuring differential flow angle fluctuations in relativistic nuclear collisions (6 pages)	044911
Niseem Magdy	
From moments of the distribution function to hydrodynamics: The nonconformal case (25 pages)	044912
Sunil Jaiswal, Jean-Paul Blaizot, Rajeev S. Bhalerao, Zenan Chen, Amaresh Jaiswal, and Li Yan	
Flow correlations from a hydrodynamics model with dynamical freeze-out and initial conditions based on perturbative QCD and saturation (20 pages)	044913
H. Hirvonen, K. J. Eskola, and H. Niemi	
Quantum expression for the electrical conductivity of massless quark matter and of the hadron resonance gas in the presence of a magnetic field (9 pages)	044914
Jayanta Dey, Subhasis Samanta, Sabyasachi Ghosh, and Sarthak Satapathy	
Model studies of fluctuations in the background for jets in heavy ion collisions (12 pages)	044915
Charles Hughes, Antonio Carlos Oliveira da Silva, and Christine Nattrass	
Hadronic Physics and QCD	
$K^- d \rightarrow \pi \Lambda N$ reaction for studying charge symmetry breaking in the ΛN interaction (13 pages)	045201
Yutaro Iizawa, Daisuke Jido, and Takatsugu Ishikawa	
Low energy protons as probes of hadronization dynamics (10 pages)	045202
Carolina M. Robles Gajardo, Alberto Accardi, Mark D. Baker, William K. Brooks, Raphaël Dupré, Mathieu Ehrhart, Jorge A. López, and Zhoudunming Tu	
Chiral condensate from a hadron resonance gas model (13 pages)	045203
Deeptak Biswas, Peter Petreczky, and Sayantan Sharma	
Electroweak Interaction, Symmetries	
Precision half-life determination for the β^+ emitter ^{13}N (10 pages)	045501
J. Long, C. R. Nicoloff, D. W. Bardayan, F. D. Becchetti, D. Blankstein, C. Boomershine, D. P. Burdette, M. A. Caprio, L. Caves, P. J. Fasano, B. Frentz, S. L. Henderson, J. M. Kelly, J. J. Kolata, B. Liu, P. D. O'Malley, S. Y. Strauss, R. Zite, and M. Brodeur	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 106, NUMBER 4

OCTOBER 2022

Density profiles near the nuclear surface of $^{44,52}\text{Ti}$: An indication of α clustering (8 pages)	044330
W. Horiuchi and N. Itagaki	
Nuclear Reactions	
Properties and synthesis of the superheavy nucleus $^{298}_{114}\text{Fl}$ (7 pages)	044601
Jia-Xing Li (李佳星), Wen-Xia Wang (王文霞), and Hong-Fei Zhang (张鸿飞)	
Medium-dependent relativistic NN potential: Application to fusion dynamics (9 pages)	044602
M. Bhuyan, Shilpa Rana, Nishu Jain, Raj Kumar, S. K. Patra, and B. V. Carlson	
Fast-neutron-induced fission of ^{240}Pu and ^{242}Pu (16 pages)	044603
A. Pica, A. T. Chemey, and W. Loveland	
Nuclear excitation cross section of ^{229}Th via inelastic electron scattering (8 pages)	044604
Hanxu Zhang, Wu Wang, and Xu Wang	
Role of Skyrme forces in cluster radioactivity of parent nuclei with even (A, Z) (9 pages)	044605
Rajni, Gudveen Sawhney, and Manoj K. Sharma	
Consistent analysis of the $^{11}\text{B} + ^{120}\text{Sn}$ reaction channels (6 pages)	044606
V. Scarduelli, L. R. Gasques, L. C. Chamon, V. A. B. Zagatto, M. A. G. Alvarez, and A. Lépine-Szilý	
^{178}Hg and asymmetric fission of neutron-deficient pre-actinides (9 pages)	044607
A. Jhingan, C. Schmitt, A. Lemasson, S. Biswas, Y. H. Kim, D. Ramos, A. N. Andreyev, D. Curien, M. Ciemała, E. Clément, O. Dorvaux, B. De Canditiis, F. Didierjean, G. Duchêne, J. Dudouet, J. Frankland, G. Frémont, J. Goupil, B. Jacquot, C. Raison, D. Ralet, B.-M. Retailleau, L. Stuttgé, I. Tsekhanovich, A. V. Andreev, S. Goriely, S. Hilaire, J.-F. Lemaître, P. Möller, and K.-H. Schmidt	
^{10}Be -nucleus optical potentials developed from chiral effective field theory NN interactions (6 pages)	044608
V. Durant and P. Capel	
Fermi motion effects in electroproduction of hypernuclei (19 pages)	044609
P. Bydžovský, D. Denisova, D. Skoupil, and P. Veselý	
Low- Q^2 elastic electron-proton scattering using a gas jet target (10 pages)	044610
Y. Wang <i>et al.</i> (for the A1 and MAGIX Collaborations)	
Microscopic investigations into fission dynamics beyond the saddle point (14 pages)	044611
Liang Tong and Shiwei Yan	
Global approach for the reactions $^7\text{Be} + ^{28}\text{Si}$ and $^7\text{Be} + ^{208}\text{Pb}$ at near- and sub-barrier energies (9 pages)	044612
O. Sgouros, V. Soukeras, K. Palli, and A. Pakou	
Relativistic Nuclear Collisions	
Extending a scaling equation of state to QCD (8 pages)	044901
J. I. Kapusta and T. Welle	
Directed flow of Λ in high-energy heavy-ion collisions and Λ potential in dense nuclear matter (11 pages)	044902
Yasushi Nara, Asanosuke Jinno, Koichi Murase, and Akira Ohnishi	
Predictions and postdictions for relativistic lead and oxygen collisions with the computational simulation code TRAJECTUM (19 pages)	044903
Govert Nijs and Wilke van der Schee	
Event-by-event jet anisotropy and hard-soft tomography of the quark-gluon plasma (18 pages)	044904
Yayun He, Wei Chen, Tan Luo, Shanshan Cao, Long-Gang Pang, and Xin-Nian Wang	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 106, NUMBER 4

OCTOBER 2022

Establishing the ground-state spin of ^{71}Kr (11 pages)	044317
S. Waniganeththi, D. E. M. Hoff, A. M. Rogers, C. J. Lister, P. C. Bender, K. Brandenburg, K. Childers, J. A. Clark, A. C. Dombos, E. R. Doucet, S. Jin, R. Lewis, S. N. Liddick, Z. Meisel, C. Morse, H. Schatz, K. Schmidt, D. Soltesz, and S. K. Subedi	
Theoretical analysis of the extraction of neutron skin thickness from coherent π^0 photoproduction off nuclei (12 pages)	044318
F. Colomer, P. Capel, M. Ferretti, J. Piekarewicz, C. Sfienti, M. Thiel, V. Tsaran, and M. Vanderhaeghen	
High-order isospin-dependent surface tension contribution to the fourth-order symmetry energy of finite nuclei (7 pages)	044319
Bao-Jun Cai, Rui Wang, Zhen Zhang, and Lie-Wen Chen	
Demonstration of the neutron tracking capability of NEXT array in time-of-flight measurements to improve energy resolution (6 pages)	044320
S. Neupane, J. Heideman, R. Grzywacz, M. Cooper, J. Hooker, K. L. Jones, T. T. King, N. Kitamura, M. Madurga, K. Siegl, C. R. Thornsberry, P. Wagenknecht, Z. Y. Xu, L. H. Heilbronn, M. M. Rajabali, A. Chester, A. Richard, Y. Alberty-Jones, J. Derkin, T. N. Massey, D. Soltesz, N. T. Brewer, B. C. Rasco, K. P. Rykaczewski, M. Wolinska-Cichocka, J. Clark, D. Santiago-Gonzales, and G. Savard	
New aspects of the low-energy structure of ^{211}At (10 pages)	044321
V. Karayonchev, A. Blazhev, J. Jolie, A. Dewald, A. Esmaylzadeh, C. Fransen, G. Häfner, L. Knafla, C. Müller-Gatermann, G. Rainovski, J.-M. Régis, K. Schomacker, and P. Van Isacker	
Effects of triaxiality and residual np interaction in the proton emission from ^{140}Ho (8 pages)	044322
Pooja Siwach, P. Arumugam, S. Modi, L. S. Ferreira, and E. Maglione	
Islands of shape coexistence from single-particle spectra in covariant density functional theory (19 pages)	044323
Dennis Bonatsos, K. E. Karakatsanis, Andriana Martinou, T. J. Mertzimekis, and N. Minkov	
Model-independent determination of the dipole response of ^{66}Zn using quasimonoenergetic and linearly polarized photon beams (8 pages)	044324
D. Savran, J. Isaak, R. Schwengner, R. Massarczyk, M. Scheck, W. Tornow, G. Battaglia, T. Beck, S. W. Finch, C. Fransen, U. Friman-Gayer, R. Gonzalez, E. Hoemann, R. V. F. Janssens, S. R. Johnson, M. D. Jones, J. Kleemann, Krishichayan, D. R. Little, D. O'Donnell, O. Papst, N. Pietralla, J. Sinclair, V. Werner, O. Wieland, and J. Wilhelm	
Collective rotational bands at low excitation energy in ^{186}Os : Vibrational and rotational degrees of freedom (15 pages)	044325
L. Mdlletshe, X. Q. Yang, E. A. Lawrie, M. A. Sithole, S. N. T. Majola, S. S. Ntshangase, J. F. Sharpey-Schafer, J. J. Lawrie, S. H. Mthembu, T. D. Bucher, L. Msebi, R. A. Bark, A. A. Avaa, M. V. Chisapi, P. Jones, S. Jongile, Z. P. Li, L. Makhathini, K. L. Malatji, A. A. Netshiya, Z. Shi, B. Y. Song, L. Wang, J. Xiang, and S. Q. Zhang	
Low-lying dipole strength distribution in ^{204}Pb (11 pages)	044326
T. Shizuma, S. Endo, A. Kimura, R. Massarczyk, R. Schwengner, R. Beyer, T. Hensel, H. Hoffmann, A. Junghans, K. Römer, S. Turkat, A. Wagner, and N. Tsoneva	
Path-integral quantum Monte Carlo calculations of light nuclei (14 pages)	044327
Rong Chen and Kevin E. Schmidt	
Single-particle configurations of the excited states of ^{203}Po (11 pages)	044329
S. Chatterjee, B. Mondal, A. Ghosh, D. Arora, S. Das, S. Samanta, R. Raut, S. S. Ghugre, P. C. Srivastava, A. K. Sinha, U. Garg, H. K. Singh, Neelam, K. Rojeeta Devi, A. Sharma, S. S. Bhattacharjee, R. Garg, I. Bala, R. P. Singh, and S. Muralithar	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 106, NUMBER 4

OCTOBER 2022

Half-life of the 188-keV isomer of ^{184}Re (5 pages)	044303
Ł. Janiak, M. Gierlik, G. Madejowski, R. Prokopowicz, S. Wronka, J. Rzadkiewicz, J. J. Carroll, and C. J. Chiara	
Nuclear shell structure in a finite-temperature relativistic framework (19 pages)	044304
Herlik Wibowo and Elena Litvinova	
Nuclear incompressibility and speed of sound in uniform matter and finite nuclei (20 pages)	044305
G. Grams, R. Somasundaram, J. Margueron, and E. Khan	
Deformation and hyperon halo in hypernuclei (12 pages)	044306
Huai-Tong Xue (薛怀通), Q. B. Chen (陈启博), Xian-Rong Zhou (周先荣), Y. Y. Cheng (程奕源), and H.-J. Schulze	
Transfer reactions between odd-odd and even-even nuclei by using the interacting boson fermion fermion model and $0\nu\beta\beta$ decay in closure approximation (8 pages)	044307
Ruslan Idelfonso Magaña Vsevolodovna, Elena Santopinto, and Roelof Bijker	
Energy-variance extrapolation for high-spin states with fully optimized variation after projection wave functions (8 pages)	044308
Zhan-Jiang Lian (连占江), Xiao Lu (陆晓), and Zao-Chun Gao ((高早春)	
Nucleon-pair truncation of the shell model for medium-heavy nuclei (11 pages)	044309
Y. X. Yu, Y. Lu, G. J. Fu, Calvin W. Johnson, and Z. Z. Ren	
Role of spatially compact nucleon wave packets in an <i>ab initio</i> description of ^3H within high-momentum antisymmetrized molecular dynamics (9 pages)	044310
Masahiro Isaka, Qing Zhao, Takayuki Myo, Mengjiao Lyu, Hiroshi Toki, Hisashi Horiuchi, Hiroki Takemoto, and Niu Wan	
β decay of neutron-rich ^{76}Cu and the structure of ^{76}Zn (18 pages)	044311
U. Silwal, J. A. Winger, S. V. Ilyushkin, K. P. Rykaczewski, C. J. Gross, J. C. Batchelder, L. Cartegni, I. G. Darby, R. Grzywacz, A. Korgul, W. Królas, S. N. Liddick, C. Mazzocchi, A. J. Mendez, II, S. Padgett, M. M. Rajabali, D. P. Siwakoti, D. Shapira, D. W. Stracener, and E. F. Zganjar	
Evidence for prolate-oblate shape coexistence in the odd- A $^{73}_{35}\text{Br}_{38}$ nucleus (11 pages)	044312
S. Bhattacharya, T. Trivedi, A. Mukherjee, D. Negi, R. P. Singh, S. Muralithar, S. Jehangir, G. H. Bhat, Nazira Nazir, J. A. Sheikh, N. Rather, R. Palit, S. Nag, S. Rajbanshi, S. Chakraborty, S. Kumar, M. Kumar Raju, V. V. Parkar, D. Choudhury, R. Kumar, R. K. Bhowmik, S. C. Pancholi, and A. K. Jain	
Multistep Coulomb excitation of ^{64}Ni : Shape coexistence and nature of low-spin excitations (13 pages)	044313
D. Little, A. D. Ayangeakaa, R. V. F. Janssens, S. Zhu, Y. Tsunoda, T. Otsuka, B. A. Brown, M. P. Carpenter, A. Gade, D. Rhodes, C. R. Hoffman, F. G. Kondev, T. Lauritsen, D. Seweryniak, J. Wu, J. Henderson, C. Y. Wu, P. Chowdhury, P. C. Bender, A. M. Forney, and W. B. Walters	
Shell-model study on spectroscopic properties in the region “south” of ^{208}Pb (21 pages)	044314
Cenxi Yuan, Menglan Liu, Noritaka Shimizu, Zs. Podolyák, Toshio Suzuki, Takaharu Otsuka, and Zhong Liu	
Comprehensive test of nuclear level density models (11 pages)	044315
Stephane Goriely, Ann-Cecilie Larsen, and Dennis M��cher	
Momentum-space structure of dineutrons in Borromean nuclei (14 pages)	044316
Masayuki Yamagami	

(Continued)

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 106, NUMBER 4

CONTENTS

OCTOBER 2022

EDITORIALS AND ANNOUNCEMENTS

- Editorial: A Welcoming Home for Applied Science (2 pages) 040001
Jessica Thomas and Michael Thoennessen

LETTERS

Nuclear Reactions

- Deterministic sampling approach for the propagation of uncertainties in nuclear reaction models (6 pages) L041601
Aman Sharma, A. Gandhi, and Ajay Kumar

Nuclear Astrophysics

- Inferring the nuclear symmetry energy at suprasaturation density from neutrino cooling (6 pages) L042801
Tuhin Malik, B. K. Agrawal, and Constança Providência

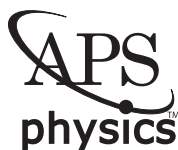
ARTICLES

Nucleon-Nucleon Interaction, Few-Body Systems

- Magnetic structure of few-nucleon systems at high momentum transfers in a chiral effective field theory approach (11 pages) 044001
A. Gnech and R. Schiavilla
- Interpolating between small- and large- g expansions using Bayesian model mixing (13 pages) 044002
A. C. Semposki, R. J. Furnstahl, and D. R. Phillips
- Large- N_c constraints for elastic dark-matter–light-nucleus scattering in pionless effective field theory (19 pages) 044003
Thomas R. Richardson, Xincheng Lin, and Son T. Nguyen

Nuclear Structure

- Double- β transition $0^+ \rightarrow 2^+$ within a fully renormalized proton-neutron quasiparticle random-phase approximation with the gauge symmetry restored (19 pages) 044301
A. A. Raduta, C. M. Raduta, and R. Poenaru
- Lifetime measurements of 0^+ states in ^{168}Er with the Doppler-shift attenuation method (11 pages) 044302
S. R. Leshner, A. Aprahamian, K. Lee, B. Alemayehu, L. M. Clark, X. James, J. C. T. Lowrie, M. Meier, L. McEwan, S. Mukhopadhyay, E. E. Peters, A. P. D. Ramirez, M. Ryan, B. G. Rice, A. Stratman, E. Temanson, J. R. Vanhoy, and S. W. Yates



Copyright 2022 by American Physical Society



2469-9985(202210)106:4;1-2

(Continued)