

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 98, NUMBER 4

CONTENTS

OCTOBER 2018

RAPID COMMUNICATIONS

Nuclear Structure

- Competing $1n$ and $2n$ decays in ^{12}Be (2 pages) 041301(R)
H. T. Fortune
- Sub-shell closure and shape coexistence in the transitional nucleus ^{98}Zr (5 pages) 041302(R)
W. Witt, V. Werner, N. Pietralla, M. Albers, A. D. Ayangeakaa, B. Bucher, M. P. Carpenter,
D. Cline, H. M. David, A. Hayes, C. Hoffman, R. V. F. Janssens, B. P. Kay, F. G. Kondev,
W. Korten, T. Lauritsen, O. Möller, G. Rainovski, G. Savard, D. Seweryniak, J. Smith,
R. Stegmann, S. Zhu, and C. Y. Wu
- Spectral anomaly of reactor antineutrinos based on theoretical energy spectra (5 pages) 041303(R)
Tadashi Yoshida, Takahiro Tachibana, Shin Okumura, and Satoshi Chiba

Nuclear Reactions

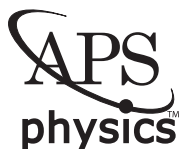
- Affirmation of transfer-breakup as a source for α -particle emission in $^{12,13}\text{C} + ^{232}\text{Th}$ fission
reactions (6 pages) 041601(R)
Y. K. Gupta, D. C. Biswas, G. K. Prajapati, L. S. Danu, B. N. Joshi, S. Mukhopadhyay,
B. V. John, S. Dubey, Siddarth Chettri, N. Kumar, R. P. Vind, and S. Mukherjee
- Cluster radioactivity in superheavy nuclei (5 pages) 041602(R)
M. Warda, A. Zdeb, and L. M. Robledo
- Signatures of higher-multipole deformations and non-coplanarity as essential, additional degrees-of-freedom
in heavy-ion reactions (4 pages) 041603(R)
Sahila Chopra, Hemdeep, Pooja Kaushal, and Raj K. Gupta

Relativistic Nuclear Collisions

- Discrepancy in low transverse momentum dileptons from relativistic heavy-ion collisions (5 pages) 041901(R)
Taesoo Song, Wolfgang Cassing, Pierre Moreau, and Elena Bratkovskaya

Hadronic Physics and QCD

- Extraction of $\gamma n \rightarrow \pi N$ observables from deuteron-target data (6 pages) 042201(R)
Satoshi X. Nakamura



Copyright 2018 by American Physical Society



2469-9985(201810)98:4;1-J

(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).

ARTICLES

Nucleon-Nucleon Interaction, Few-Body Systems

- Large- N_c relationships among two-derivative pionless effective field theory couplings (*12 pages*) 044001
 Matthias R. Schindler, Hersh Singh, and Roxanne P. Springer
- Neutron-proton scattering with lattice chiral effective field theory at next-to-next-to-next-to-leading order (*18 pages*) 044002
 Ning Li, Serdar Elhatisari, Evgeny Epelbaum, Dean Lee, Bing-Nan Lu, and Ulf-G. Meißner
- Local chiral interactions, the tritium Gamow-Teller matrix element, and the three-nucleon contact term (*15 pages*) 044003
 A. Baroni, R. Schiavilla, L. E. Marcucci, L. Girlanda, A. Kievsky, A. Lovato, S. Pastore, M. Piarulli, Steven C. Pieper, M. Viviani, and R. B. Wiringa

Nuclear Structure

- Shell-model interactions from chiral effective field theory (*16 pages*) 044301
 L. Huth, V. Durant, J. Simonis, and A. Schwenk
- Identification of the new isotope ^{224}Np (*3 pages*) 044302
 T. H. Huang (黄天衡), W. Q. Zhang (张文强), M. D. Sun (孙明道), Z. Liu (刘忠), J. G. Wang (王建国), X. Y. Liu (刘小雨), B. Ding (丁兵), Z. G. Gan (甘再国), L. Ma (马龙), H. B. Yang (杨华彬), Z. Y. Zhang (张志远), L. Yu (郁琳), J. Jiang (姜舰), K. L. Wang (王凯龙), Y. S. Wang (王永生), M. L. Liu (柳敏良), Z. H. Li (李智焕), J. Li (李晶), X. Wang (王翔), H. Y. Lu (卢洪洋), A. H. Feng (封安辉), C. J. Lin (林承键), L. J. Sun (孙立杰), N. R. Ma (马南茹), D. X. Wang (王东玺), F. S. Zhang (张丰收), W. Zuo (左维), X. H. Zhou (周小红), H. S. Xu (徐珊珊), and G. Q. Xiao (肖国青)
- Bose-Einstein condensation of α clusters and new soft mode in ^{12}C – ^{52}Fe $4N$ nuclei in a field-theoretical superfluid cluster model (*18 pages*) 044303
 R. Katsuragi, Y. Kazama, J. Takahashi, Y. Nakamura, Y. Yamanaka, and S. Ohkubo
- Evolution from γ -soft to stable triaxiality in ^{136}Nd as a prerequisite of chirality (*22 pages*) 044304
 B. F. Lv, C. M. Petrache, A. Astier, E. Dupont, A. Lopez-Martens, P. T. Greenlees, H. Badran, T. Calverley, D. M. Cox, T. Grahn, J. Hilton, R. Julin, S. Juutinen, J. Konki, M. Leino, J. Pakarinen, P. Papadakis, J. Partanen, P. Rakhila, M. Sandzelius, J. Saren, C. Scholey, J. Sorri, S. Stolze, J. Uusitalo, A. Herzán, B. Cederwall, A. Ertoprak, H. Liu, S. Guo, M. L. Liu, Y. H. Qiang, J. G. Wang, X. H. Zhou, I. Kuti, J. Timár, A. Tucholski, J. Srebrny, and C. Andreoiu
- Realistic shell-model calculations for p -shell nuclei including contributions of a chiral three-body force (*10 pages*) 044305
 T. Fukui, L. De Angelis, Y. Z. Ma, L. Coraggio, A. Gargano, N. Itaco, and F. R. Xu
- Explicit inclusion of the spin-orbit contribution in the Tohsaki-Horiuchi-Schuck-Röpke wave function (*7 pages*) 044306
 N. Itagaki, H. Matsuno, and A. Tohsaki
- Low-lying states in ^{219}Ra and ^{215}Rn : Sampling microsecond α -decaying nuclei (*11 pages*) 044307
 A. Sămark-Roth *et al.*
- Comparison of double-folding effective interactions within the cluster model (*9 pages*) 044308
 B. D. C. Kimene Kaya, S. M. Wyngaardt, T. T. Ibrahim, and W. A. Yahya
- Nuclear structure of ^{112}Cd studied through the $^{111}\text{Cd}(\vec{d}, p)$ reaction (*17 pages*) 044309
 D. S. Jamieson, P. E. Garrett, G. C. Ball, G. A. Demand, T. Faestermann, P. Finlay, K. L. Green, R. Hertenberger, K. G. Leach, A. A. Phillips, C. S. Sumithrarachchi, S. Triambak, and H.-F. Wirth

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 98, NUMBER 4

OCTOBER 2018

Elastic electron scattering form factors of deformed exotic Xe isotopes (7 pages)	044310
Tongqi Liang, Jian Liu, Zhongzhou Ren, Chang Xu, and Shuo Wang	
Yrast and non-yrast spectroscopy of ^{199}Tl using α -induced reactions (13 pages)	044311
Soumik Bhattacharya, S. Bhattacharyya, R. Banik, S. Das Gupta, G. Mukherjee, A. Dhal, S. S. Alam, Md. A. Asgar, T. Roy, A. Saha, S. Nandi, T. Bhattacharjee, A. Choudhury, Debasish Mondal, S. Mukhopadhyay, P. Mukhopadhyay, S. Pal, Deepak Pandit, I. Shaik, and S. R. Banerjee	
Rod-shaped rotational states in $N = Z$ even-even nuclei from ^{12}C to ^{32}S (7 pages)	044312
Tsunenori Inakura and Shoujiro Mizutori	
Systematic study of giant quadrupole resonances with the subtracted second random-phase approximation: Beyond-mean-field centroids and fragmentation (7 pages)	044313
O. Vasseur, D. Gambacurta, and M. Grasso	
Behavior of the collective rotor in wobbling motion (10 pages)	044314
E. Streck, Q. B. Chen, N. Kaiser, and Ulf-G. Meißner	
Lifetime measurements of lowest states in the $\pi g_{7/2} \otimes \nu h_{11/2}$ rotational band in ^{112}I (8 pages)	044315
M. M. Giles, D. M. Cullen, B. S. Nara Singh, D. Hodge, M. J. Taylor, M. J. Mallaburn, N. V. Sosnin, L. Barber, J. F. Smith, L. Capponi, M. Smolen, C. Scholey, P. Rahkila, T. Grahn, H. Badran, A. Girka, P. T. Greenlees, R. Julin, J. Konki, O. Nefodov, P. Ruotsalainen, M. Sandzelius, J. Sarén, J. Sorri, S. Stolze, J. Uusitalo, J. Pakarinen, P. Papadakis, J. Partanen, T. Braunroth, and G. G. O'Neill	
Deformed band structures in neutron-rich $^{152-158}\text{Pm}$ isotopes (15 pages)	044316
S. Bhattacharyya, E. H. Wang, A. Navin, M. Rejmund, J. H. Hamilton, A. V. Ramayya, J. K. Hwang, A. Lemasson, A. V. Afanasjev, Soumik Bhattacharya, J. Ranger, M. Caamaño, E. Clément, O. Delaune, F. Farget, G. de France, B. Jacquot, Y. X. Luo, Yu. Ts. Oganessian, J. O. Rasmussen, G. M. Ter-Akopian, and S. J. Zhu	
 Symmetry conserving configuration mixing description of odd mass nuclei (12 pages)	044317
M. Borrajo and J. Luis Egido	
Nonquenching of g_A in nuclei, Landau-Migdal fixed-point theory, and emergence of scale symmetry in dense baryonic matter (14 pages)	044318
Yan-Ling Li, Yong-Liang Ma, and Mannque Rho	
Damped transient response of the giant dipole resonance in the lead region (13 pages)	044319
A. P. Severyukhin, S. Åberg, N. N. Arsenyev, and R. G. Nazmitdinov	
Gogny-force-derived effective shell-model Hamiltonian (10 pages)	044320
W. G. Jiang, B. S. Hu, Z. H. Sun, and F. R. Xu	
Octupole phonon model based on the shell model for octupole vibrational states (8 pages)	044321
N. Yoshinaga, K. Yanase, K. Higashiyama, and E. Teruya	
Nuclear Reactions	
Searching for states analogous to the ^{12}C Hoyle state in heavier nuclei using the thick target inverse kinematics technique (10 pages)	044601
M. Barbui, K. Hagel, J. Gauthier, S. Wuenschel, R. Wada, V. Z. Goldberg, R. T. deSouza, S. Hudan, D. Fang, X.-G. Cao, and J. B. Natowitz	
Neutron-proton equilibration in 35 MeV/u collisions of $^{64,70}\text{Zn} + ^{64,70}\text{Zn}$ and $^{64}\text{Zn}, ^{64}\text{Ni} + ^{64}\text{Zn}, ^{64}\text{Ni}$ quantified using triplicate probes (10 pages)	044602
L. W. May, A. Wakhle, A. B. McIntosh, Z. Kohley, S. Behling, A. Bonasera, G. Bonasera, P. Cammarata, K. Hagel, L. Heilborn, A. Jedyale, A. Raphelt, A. Rodriguez Manso, G. Souliotis, R. Tripathi, M. D. Youngs, A. Zarrella, and S. J. Yennello	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 98, NUMBER 4

OCTOBER 2018

Fission cross sections as a probe of fusion dynamics at high angular momentum (<i>14 pages</i>)	044603
C. S. Palshetkar, D. J. Hinde, M. Dasgupta, E. Williams, K. Ramachandran, I. P. Carter, K. J. Cook, D. Y. Jeung, D. H. Luong, S. D. McNeil, D. C. Rafferty, and A. Wakhle	
Semiclassical calculations of complete and incomplete fusion in collisions of weakly bound nuclei (<i>13 pages</i>) . . .	044604
G. D. Kolinger, L. F. Canto, R. Donangelo, and S. R. Souza	
Benchmark of the GEF code for fission-fragment yields over an enlarged range in fissioning nucleus mass, excitation energy, and angular momentum (<i>17 pages</i>)	044605
C. Schmitt, K.-H. Schmidt, and B. Jurado	
Role of breakup processes in deuteron-induced spallation reactions at 100–200 MeV/nucleon (<i>8 pages</i>)	044606
Shinsuke Nakayama, Naoya Furutachi, Osamu Iwamoto, and Yukinobu Watanabe	
Production of ^{229}Th for medical applications: Excitation functions of low-energy protons on ^{232}Th targets (<i>10 pages</i>)	044607
J. R. Griswold, C. U. Jost, D. W. Stracener, S. H. Bruffey, D. Denton, M. Garland, L. Heilbronn, and S. Mirzadeh	
Elastic scattering of the proton drip line nuclei ^7Be , ^8B , and ^9C on a lead target at energies around three times the Coulomb barriers (<i>8 pages</i>)	044608
Y. Y. Yang, X. Liu, D. Y. Pang, D. Patel, R. F. Chen, J. S. Wang, P. Ma, J. B. Ma, S. L. Jin, Z. Bai, V. Guimarães, Q. Wang, W. H. Ma, F. F. Duan, Z. H. Gao, Y. C. Yu, Z. Y. Sun, Z. G. Hu, S. W. Xu, S. T. Wang, D. Yan, Y. Zhou, Y. H. Zhang, X. H. Zhou, H. S. Xu, G. Q. Xiao, and W. L. Zhan	
Low-energy corrections to the eikonal description of elastic scattering and breakup of one-neutron halo nuclei in nuclear-dominated reactions (<i>7 pages</i>)	044610
C. Hebborn and P. Capel	
New “3D calorimetry” of hot nuclei (<i>13 pages</i>)	044611
E. Vient, L. Manduci, E. Legouée, L. Augey, E. Bonnet, B. Borderie, R. Bougault, A. Chbihi, D. Dell’Aquila, Q. Fable, L. Francalanza, J. D. Frankland, E. Galichet, D. Gruyer, D. Guinet, M. Henri, M. La Commara, G. Lehaut, N. Le Neindre, I. Lombardo, O. Lopez, P. Marini, M. Pârlog, M. F. Rivet, E. Rosato, R. Roy, P. St-Onge, G. Spadaccini, G. Verde, and M. Vigilante (INDRA Collaboration)	
Validation of a new “3D calorimetry” of hot nuclei with the HIPSE event generator (<i>15 pages</i>)	044612
E. Vient, L. Manduci, E. Legouée, L. Augey, E. Bonnet, B. Borderie, R. Bougault, A. Chbihi, D. Dell’Aquila, Q. Fable, L. Francalanza, J. D. Frankland, E. Galichet, D. Gruyer, D. Guinet, M. Henri, M. La Commara, G. Lehaut, N. Le Neindre, I. Lombardo, O. Lopez, P. Marini, M. Pârlog, M. F. Rivet, E. Rosato, R. Roy, P. St-Onge, G. Spadaccini, G. Verde, and M. Vigilante	
Reaction mechanisms of the $^{18}\text{O} + ^{63}\text{Cu}$ system at near-barrier energies (<i>10 pages</i>)	044614
E. Crema, V. A. B. Zagatto, J. M. B. Shorto, B. Paes, J. Lubian, R. F. Simões, D. S. Monteiro, J. F. P. Huiza, N. Added, M. C. Moraes, and P. R. S. Gomes	
Prompt neutrons in correlation with fission fragments from $^{235}\text{U}(n, f)$ (<i>12 pages</i>)	044615
Alf Göök, Franz-Josef Hambsch, Stephan Oberstedt, and Marzio Vidali	
Effects of entrance channels on the deexcitation properties of the same compound nucleus formed by different pairs of collision partners (<i>9 pages</i>)	044616
G. Mandaglio, A. Anastasi, F. Curciarello, G. Fazio, G. Giardina, and A. K. Nisirov	
Theoretical considerations about heavy-ion fusion in potential scattering (<i>12 pages</i>)	044617
L. F. Canto, R. Donangelo, M. S. Hussein, P. Lotti, J. Lubian, and J. Rangel	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 98, NUMBER 4

OCTOBER 2018

Entry-level spin distributions and relative γ -neutron branching ratios of samarium isotopes populated by the (p, t) reaction (7 pages)	044618
N. Cooper, C. W. Beausang, P. Humby, A. Simon, J. T. Burke, R. O. Hughes, S. Ota, C. Reingold, A. Saastamoinen, and E. Wilson	
Theory of single-charge exchange heavy-ion reactions (26 pages)	044620
Horst Lenske, Jessica I. Bellone, Maria Colonna, and José-Antonio Lay (NUMEN Collaboration)	
Nonlocal interactions in the (d, p) surrogate method for (n, γ) reactions (13 pages)	044621
Weichuan Li (李伟川), Gregory Potel, and Filomena Nunes	
Possible determination of high-lying single-particle components with (p, d) reactions (6 pages)	044622
Y. P. Xu, D. Y. Pang, X. Y. Yun, S. Kubono, C. A. Bertulani, and C. X. Yuan	
Uncertainty quantification due to optical potentials in models for (d, p) reactions (9 pages)	044623
G. B. King, A. E. Lovell, and F. M. Nunes	
Nucleon- α scattering and resonances in ^5He and ^5Li with JISP16 and Daejeon16 NN interactions (13 pages)	044624
A. M. Shirokov, A. I. Mazur, I. A. Mazur, E. A. Mazur, I. J. Shin, Y. Kim, L. D. Blokhintsev, and J. P. Vary	
Microscopic optical potentials for calcium isotopes (10 pages)	044625
J. Rotureau, P. Danielewicz, G. Hagen, G. R. Jansen, and F. M. Nunes	
Three-body Faddeev equations in two-particle Alt-Grassberger-Sandhas form with distorted-wave-Born-approximation amplitudes as effective potentials (14 pages)	044626
A. M. Mukhamedzhanov	
Validity of the distorted-wave impulse-approximation description of $^{40}\text{Ca}(e, e'p)^{39}\text{K}$ data using only ingredients from a nonlocal dispersive optical model (14 pages)	044627
M. C. Atkinson, H. P. Blok, L. Lapikás, R. J. Charity, and W. H. Dickhoff	
Relativistic Nuclear Collisions	
Neutral pion and η meson production at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV (20 pages)	044901
S. Acharya <i>et al.</i> (ALICE Collaboration)	
Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions (25 pages)	044902
A. M. Sirunyan <i>et al.</i> (CMS Collaboration)	
Centrality fluctuations in heavy-ion collisions (22 pages)	044903
Mingliang Zhou and Jiangyong Jia	
Simulating the chiral magnetic wave in a box system (7 pages)	044904
Wen-Hao Zhou and Jun Xu	
Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector (34 pages)	044905
M. Aaboud <i>et al.</i> (ATLAS Collaboration)	
Thermodynamic versus kinetic approach to polarization-vorticity coupling (13 pages)	044906
Wojciech Florkowski, Avdhesh Kumar, and Radoslaw Ryblewski	
Practical considerations for measuring global spin alignment of vector mesons in relativistic heavy ion collisions (7 pages)	044907
A. H. Tang, B. Tu, and C. S. Zhou	
 Hydrodynamic response in simulations within a multiphase transport model (8 pages)	044908
De-Xian Wei, Xu-Guang Huang, and Li Yan	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 98, NUMBER 4

OCTOBER 2018

Pion-kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV modeled in (3+1)D hydrodynamics coupled to the Terminator 2 code, and the effect of delayed kaon emission (8 pages)	044909
Adam Kisiel	
Thermodynamics of the strange baryon system from a coupled-channels analysis and missing states (11 pages)	044910
César Fernández-Ramírez, Pok Man Lo, and Peter Petreczky	
Hadronic Physics and QCD	
Decay patterns of low-lying $N_{s\bar{s}}$ states via strangeness channels (7 pages)	045201
Chun-Sheng An, Ju-Jun Xie, and Gang Li	
Phenomenological bound on the viscosity of the hadron resonance gas (8 pages)	045202
Snigdha Ghosh, Sabyasachi Ghosh, and Sumana Bhattacharyya	
Measurement of unpolarized and polarized cross sections for deeply virtual Compton scattering on the proton at Jefferson Laboratory with CLAS (21 pages)	045203
N. Hirlinger Saylor <i>et al.</i> (CLAS Collaboration)	
Surveying exotic pentaquarks with the typical $QQq\bar{q}\bar{q}$ configuration (22 pages)	045204
Qin-Song Zhou, Kan Chen, Xiang Liu, Yan-Rui Liu, and Shi-Lin Zhu	
Beam-target helicity asymmetry E in $K^0\Lambda$ and $K^0\Sigma^0$ photoproduction on the neutron (11 pages)	045205
D. H. Ho <i>et al.</i> (The CLAS Collaboration)	
Role of angle-dependent phase rotations of reaction amplitudes in η photoproduction on protons (8 pages)	045206
A. Švarc, H. Osmanović, M. Hadžimehmedović, R. Omerović, J. Stahov, M. Gorchteyn, V. Kashevarov, K. Nikonov, M. Ostrick, and L. Tiator	
Features of forward πN scattering from a Reggeized model (11 pages)	045207
Kook-Jin Kong and Byung-Geel Yu	
Quark model estimate of hidden-charm pentaquark resonances (8 pages)	045208
Emiko Hiyama, Atsushi Hosaka, Makoto Oka, and Jean-Marc Richard	
Effects of $\Delta(1905)5/2^+$ on $K^*\Sigma$ photoproduction (10 pages)	045209
Ai-Chao Wang, Wen-Ling Wang, and Fei Huang	
G -parity-violating amplitudes in the $J/\psi \rightarrow \pi^+\pi^-$ decay (11 pages)	045210
Rinaldo Baldini Ferroli, Alessio Mangoni, and Simone Pacetti	
EMC effect in the next-to-leading order approximation based on the Laplace transformation (11 pages)	045211
Javad Sheibani, Abolfazl Mirjalili, and S. Atashbar Tehrani	
Leptonic radiative corrections to elastic deuteron-electron scattering (13 pages)	045212
G. I. Gakh, M. I. Konchatnij, N. P. Merenkov, and Egle Tomasi-Gustafsson	
Electroweak Interaction, Symmetries	
Gamow-Teller and double- β decays of heavy nuclei within an effective theory (15 pages)	045501
E. A. Coello Pérez, J. Menéndez, and A. Schwenk	
Sensitivity of neutrino-nucleus interaction measurements to 2p2h excitations (6 pages)	045502
S. Dolan, U. Mosel, K. Gallmeister, L. Pickering, and S. Bolognesi	
Novel concept for a neutron electric charge measurement using a Talbot-Lau interferometer at a pulsed source (5 pages)	045503
Florian M. Piegsa	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW C

THIRD SERIES, VOLUME 98, NUMBER 4

OCTOBER 2018

Nuclear Astrophysics

- Neutron star matter with Δ isobars in a relativistic quark model (*11 pages*) 045801
Himanshu S. Sahoo, Gautam Mitra, Rabindranath Mishra, Prafulla K. Panda, and Bao-An Li
- Liquid scintillator response to proton recoils in the 10–100 keV range (*6 pages*) 045802
C. Awe, P. S. Barbeau, J. I. Collar, S. Hedges, and L. Li
- Application of superconducting-superfluid magnetohydrodynamics to nuclear “pasta” in neutron stars (*8 pages*) 045803
D. N. Kobyakov
-  Critical examination of constraints on the equation of state of dense matter obtained from GW170817 (*6 pages*) 045804
I. Tews, J. Margueron, and S. Reddy
- Cross sections of α -induced reactions slightly below doubly magic ^{40}Ca from the statistical model (*13 pages*) . . . 045805
P. Mohr, R. Talwar, and M. L. Avila

ERRATA

- Erratum: Effective field theory of Bose-Einstein condensation of α clusters and Nambu-Goldstone-Higgs states in ^{12}C [Phys. Rev. C **94**, 014314 (2016)] (*3 pages*) 049901(E)
Y. Nakamura, J. Takahashi, Y. Yamanaka, and S. Ohkubo