PHYSICAL REVIEW C **THIRD SERIES, VOLUME 94, NUMBER 5** **NOVEMBER 2016**

Timescale of non-exponential decay for the nuclear β-decay process in a decoherence model *(6 pages)* 055503
A. Ray and A. K. Sikdar

Nuclear Astrophysics

"Parking-garage" structures in nuclear astrophysics and cellular biophysics *(5 pages)* 055801
D. K. Berry, M. E. Caplan, C. J. Horowitz, Greg Huber, and A. S. Schneider

β decay of deformed r-process nuclei near $A = 80$ and $A = 160$, including odd-A and odd-odd nuclei, with the Skyrme finite-amplitude method *(18 pages)* 055802
T. Shafer, J. Engel, C. Fröhlich, G. C. McLaughlin, M. Mumpower, and R. Surman

Measurement of the isomer production ratio for the ^{112}Cd$(n,\gamma)^{113}$Cd reaction using neutron beams at J-PARC *(6 pages)* 055803
T. Hayakawa, Y. Toh, M. Huang, T. Shizuma, A. Kimura, S. Nakamura, H. Harada, N. Iwamoto, S. Chiba, and T. Kajino

Direct measurement of low-energy ^{22}Ne$(p,\gamma)^{23}$Na resonances *(13 pages)* 055804
R. Depalo, F. Cavanna, M. Aliotta, M. Anders, D. Bemmerer, A. Best, A. Boeltzig, C. Broggini, C. G. Bruno, A. Caciolli, G. F. Ciani, P. Corvisiero, T. Davinson, A. Di Leva, Z. Elekes, F. Ferraro, A. Formicola, Zs. Fülöp, G. Gervino, A. Guglielmetti, C. Gustavino, Gy. Gyürky, G. Imbriani, M. Junker, R. Menegazzo, V. Mossa, F. R. Pantaleo, D. Piatti, P. Prati, O. Straniero, T. Szücs, M. P. Takács, and D. Trezzi (LUNA Collaboration)

Compact stars with strongly coupled quark matter in a strong magnetic field *(10 pages)* 055805
D. A. Fogaça, S. M. Sanches, Jr., T. F. Motta, and F. S. Navarra

Nucleus-nucleus interactions in the inner crust of neutron stars *(10 pages)* 055806
D. Kobyakov and C. J. Pethick

α scattering and α-induced reaction cross sections of ^{64}Zn at low energies *(14 pages)* 055807
A. Ornelas, P. Mohr, Gy. Gyürky, Z. Elekes, Zs. Fülöp, Z. Halász, G. G. Kiss, E. Somorjai, T. Szücs, M. P. Takács, D. Galaviz, R. T. Güray, Z. Korkulu, N. Özkan, and C. Yalçın

Nuclear neutrino energy spectra in high temperature astrophysical environments *(11 pages)* 055808
G. Wendell Misch and George M. Fuller

ERRATA

Erratum: Unified description of efficiency correction and error estimation for moments of conserved quantities in heavy-ion collisions [Phys. Rev. C **91**, 034907 (2015)] *(1 page)* ..... 059901(E)
Xiaofeng Luo (罗晓峰)

Erratum: Dynamics of the inner crust of neutron stars: Hydrodynamics, elasticity, and collective modes [Phys. Rev. C **87**, 055803 (2013)] *(1 page)* ..... 059902(E)
D. Kobyakov and C. J. Pethick

Publisher's Note: Laser and decay spectroscopy of the short-lived isotope ^{214}Fr in the vicinity of the $N = 126$ shell closure [Phys. Rev. C **94**, 054305 (2016)] *(1 page)* ..... 059903(E)
G. J. Farooq-Smith, T. E. Cocolios, J. Billowes, M. L. Bissell, I. Budinčević, T. Day Goodacre, R. P. de Groote, V. N. Fedosseev, K. T. Flanagan, S. Franchoo, R. F. Garcia Ruiz, H. Heylen, R. Li, K. M. Lynch, B. A. Marsh, G. Neyens, R. E. Rossel, S. Rothe, H. H. Stroke, K. D. A. Wendt, S. G. Wilkins, and X. F. Yang

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 94, NUMBER 5 NOVEMBER 2016

Surface direct nuclear photoeffect in heavy deformed nuclei *(10 pages)* 054623
B. S. Ishkhanov, V. N. Orlin, and K. A. Stopani

Relativistic Nuclear Collisions

Thermalization of dense hadronic matter in Au + Au collisions at energies available at the Facility for Antiproton and Ion Research *(9 pages)* 054901
Somnath De, Sudipan De, and Subhasis Chattopadhyay

Drag-induced radiative energy loss from semihard heavy quarks *(16 pages)* 054902
Raktim Abir and Abhijit Majumder

Cumulants of multiplicity distributions in most-central heavy-ion collisions *(7 pages)* 054903
Hao-jie Xu

Fluctuations as a test of chemical nonequilibrium at energies available at the CERN Large Hadron Collider *(7 pages)* 054904
Viktor Begun

Particle production and equilibrium properties within a new hadron transport approach for heavy-ion collisions *(27 pages)* 054905
J. Weil, V. Steinberg, J. Staudenmaier, L. G. Pang, D. Oliinychenko, J. Mohs, M. Kretz, T. Kehrenberg, A. Goldschmidt, B. Bäuchle, J. Auvinen, M. Attems, and H. Petersen

Correlations of conserved-number mixed susceptibilities in a hadron resonance gas model *(7 pages)* 054906
D. K. Mishra, P. K. Netrakanti, and Bedangadas Mohanty

Λ polarization in peripheral collisions at moderately relativistic energies *(7 pages)* 054907
Y. L. Xie, M. Bleicher, H. Stöcker, D. J. Wang, and L. P. Csernai

D-meson production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and in pp collisions at $\sqrt{s} = 7$ TeV *(31 pages)* 054908
J. Adam *et al.* (ALICE Collaboration)

Collision energy dependence of elliptic flow splitting between particles and their antiparticles from an extended multiphase transport model *(7 pages)* 054909
Jun Xu and Che Ming Ko

Measurements of directed, elliptic, and triangular flow in Cu + Au collisions at $\sqrt{s_{NN}} = 200$ GeV *(18 pages)* 054910
A. Adare *et al.* (PHENIX Collaboration)

Hadronic Physics and QCD

Target and beam-target spin asymmetries in exclusive π^+ and π^- electroproduction with 1.6- to 5.7-GeV electrons *(25 pages)* 055201
P. E. Bosted *et al.* (CLAS Collaboration)

Form factor ratio from unpolarized elastic electron-proton scattering *(15 pages)* 055202
Simone Pacetti and Egle Tomasi-Gustafsson

Electroweak Interaction, Symmetries

Statistical analysis of β decays and the effective value of g_A in the proton-neutron quasiparticle random-phase approximation framework *(13 pages)* 055501
Frank F. Deppisch and Jouni Suhonen

Hadronic weak charges and parity-violating forward Compton scattering *(12 pages)* 055502
Mikhail Gorchtein and Hubert Spiesberger

(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 94, NUMBER 5** **NOVEMBER 2016**

Cerenkov light identification with Si low-temperature detectors with sensitivity enhanced by the Neganov-Luke effect *(4 pages)* 054608
L. Gironi, M. Biassoni, C. Brofferio, S. Capelli, P. Carniti, L. Cassina, M. Clemenza, O. Cremonesi, M. Faverzani, E. Ferri, E. Fossati, A. Giachero, C. Giordano, C. Gotti, M. Maino, B. Margesin, F. Moretti, A. Nucciotti, M. Pavan, G. Pessina, S. Pozzi, E. Previtali, A. Puiu, M. Sisti, and F. Terranova

Impact of low-energy nuclear excitations on neutrino-nucleus scattering at MiniBooNE and T2K kinematics *(7 pages)* 054609
V. Pandey, N. Jachowicz, M. Martini, R. González-Jiménez, J. Ryckebusch, T. Van Cuyck, and N. Van Dessel

Emission of neutron-proton and proton-proton pairs in electron scattering induced by meson-exchange currents *(4 pages)* 054610
I. Ruiz Simo, J. E. Amaro, M. B. Barbaro, A. De Pace, J. A. Caballero, G. D. Megias, and T. W. Donnelly

Microscopic folding model analysis of the radiative (n,γ) reactions near the $Z = 28$ shell closure and the weak *s* process *(11 pages)* 054611
Saumi Dutta, G. Gangopadhyay, and Abhijit Bhattacharyya

Isomeric ratio measurements for the radiative neutron capture ^{176}Lu(n,γ) at the LANL DANCE facility *(12 pages)* 054612
D. Denis-Petit, O. Roig, V. Méot, B. Morillon, P. Romain, M. Jandel, T. Kawano, D. J. Vieira, E. M. Bond, T. A. Bredeweg, A. J. Couture, R. C. Haight, A. L. Keksis, R. S. Rundberg, and J. L. Ullmann

Fission and quasifission of composite systems with $Z = 108-120$: Transition from heavy-ion reactions involving S and Ca to Ti and Ni ions *(9 pages)* 054613
E. M. Kozulin, G. N. Knyazheva, K. V. Novikov, I. M. Itkis, M. G. Itkis, S. N. Dmitriev, Yu. Ts. Oganessian, A. A. Bogachev, N. I. Kozulina, I. Harca, W. H. Trzaska, and T. K. Ghosh

Dynamics of the tri-nuclear system at spontaneous fission of ^{252}Cf *(6 pages)* 054614
R. B. Tashkhodjaev, A. K. Nasirov, and E. Kh. Alpomeshev

Formation of hypernuclei in evaporation and fission processes *(12 pages)* 054615
A. S. Botvina, N. Buyukcizmeci, A. Ergun, R. Ogul, M. Bleicher, and J. Pochodzalla

Asymptotic normalization coefficients for $^{7}\mathrm{Be} + p \rightarrow {}^{8}\mathrm{B}$ from the peripheral ^{7}Be$(d,n)^{8}$B reaction and their astrophysical application *(15 pages)* 054616
O. R. Tojiboev, R. Yarmukhamedov, S. V. Artemov, and S. B. Sakuta

Nuclear fragmentation and charge-exchange reactions induced by pions in the Δ-resonance region *(9 pages)* 054617
Zhao-Qing Feng

Self-consistent collective coordinate for reaction path and inertial mass *(13 pages)* 054618
Kai Wen and Takashi Nakatsukasa

Calculation of three-body nuclear reactions with angular-momentum and parity-dependent optical potentials *(6 pages)* 054619
A. Deltuva and D. Jurčiukonis

Shear viscosity of nuclear matter *(11 pages)* 054620
A. G. Magner, M. I. Gorenstein, U. V. Grygoriev, and V. A. Plujko

Theoretical studies on the modes of decay of superheavy nuclei *(9 pages)* 054621
K. P. Santhosh and C. Nithya

Radiative capture reaction for ^{17}Ne formation within a full three-body model *(10 pages)* 054622
J. Casal, E. Garrido, R. de Diego, J. M. Arias, and M. Rodríguez-Gallardo

(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 94, NUMBER 5 NOVEMBER 2016

Relativistic Coulomb excitation of ^{88}Kr *(5 pages)* 054323
K. Moschner *et al.*

Neutron single-particle strengths at $N = 40, 42$: Neutron knockout from ^{68,70}Ni ground and isomeric states *(9 pages)* 054324
F. Recchia, D. Weisshaar, A. Gade, J. A. Tostevin, R. V. F. Janssens, M. Albers, V. M. Bader, T. Baugher, D. Bazin, J. S. Berryman, B. A. Brown, C. M. Campbell, M. P. Carpenter, J. Chen, C. J. Chiara, H. L. Crawford, C. R. Hoffman, F. G. Kondev, A. Korichi, C. Langer, T. Lauritsen, S. N. Liddick, E. Lunderberg, S. Noji, C. Prokop, S. R. Stroberg, S. Suchyta, K. Wimmer, and S. Zhu

Phase transition in hot Λ hypernuclei within the relativistic Thomas-Fermi approximation *(8 pages)* 054325
Jinniu Hu, Zhaowen Zhang, Shishao Bao, and Hong Shen

Low-energy Coulomb excitation of ^{96,98}Sr beams *(17 pages)* 054326
E. Clément *et al.*

Spectroscopy of ^{98}Ru *(20 pages)* 054327
A. Giannatiempo, A. Nannini, A. Perego, and P. Sona

Closed expression for the pair vibrational correlation energy of a uniform distribution of single-nucleon levels *(12 pages)* 054328
K. Neergård

First observation of rotational structures in ^{168}Re *(7 pages)* 054329
D. J. Hartley, R. V. F. Janssens, L. L. Riedinger, M. A. Riley, X. Wang, S. L. Miller, A. D. Ayangeakaa, P. F. Bertone, M. P. Carpenter, C. J. Chiara, P. Chowdhury, U. Garg, G. Gürdal, S. S. Hota, F. G. Kondev, T. Lauritsen, W. C. Ma, J. Matta, E. A. McCutchan, S. Mukhopadhyay, E. E. Pedicini, J. R. Vanhoy, and S. Zhu

Nuclear Reactions

Nuclear-state population transfer by a train of coincident pulses *(8 pages)* 054601
B. Nedaee-Shakarab, M. Saadati-Niari, and F. Zolfagharpour

Astrophysical S factor for the ^{6}Li$(d,\alpha)^4$He and ^{6}Li$(d, p_0/p_1)^7$Li reactions and their astrophysical implications *(8 pages)* 054602
Kaihong Fang, Jianxin Zou, Houjun He, Qiang Wang, Jiangtao Zhao, Tieshan Wang, and Jirohta Kasagi

Multipole decomposition of the cross section of the neutrino-lead scattering process ^{208}Pb(g.s.)$(\nu,\nu')^{208}$Pb* *(6 pages)* 054603
O. Civitarese and T. Tarutina

Fission-fragment properties in ^{238}U(n, f) between 1 and 30 MeV *(11 pages)* 054604
D. L. Duke, F. Tovesson, A. B. Laptev, S. Mosby, F.-J. Hambsch, T. Bryś, and M. Vidali

Comparison of yields of neutron-rich nuclei in proton- and photon-induced ^{238}U fission *(6 pages)* 054605
F. A. Khan, Debasis Bhowmick, D. N. Basu, M. Farooq, and Alok Chakrabarti

Production of neutron-rich transcalifornium nuclei in ^{238}U-induced transfer reactions *(5 pages)* 054606
Long Zhu, Jun Su, Wen-Jie Xie, and Feng-Shou Zhang

Precise calculation of the triple-α reaction rates using the transmission-free complex absorbing potential method *(14 pages)* 054607
Hiroya Suno, Yasuyuki Suzuki, and Pierre Descouvemont

(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 94, NUMBER 5** **NOVEMBER 2016**

Isotopic trends of nuclear surface properties of spherical nuclei *(10 pages)* 054309
G. G. Adamian, N. V. Antonenko, H. Lenske, S. V. Tolokonnikov, and E. E. Saperstein

Spectroscopy of ^{70}Kr and isospin symmetry in the $T = 1$ fpg shell nuclei *(7 pages)* 054311
D. M. Debenham, M. A. Bentley, P. J. Davies, T. Haylett, D. G. Jenkins, P. Joshi, L. F. Sinclair, R. Wadsworth, P. Ruotsalainen, J. Henderson, K. Kaneko, K. Auranen, H. Badran, T. Grahn, P. Greenlees, A. Herzaáň, U. Jakobsson, J. Konki, R. Julin, S. Juutinen, M. Leino, J. Sorri, J. Pakarinen, P. Papadakis, P. Peura, J. Partanen, P. Rahkila, M. Sandzelius, J. Sarén, C. Scholey, S. Stolze, J. Uusitalo, H. M. David, G. de Angelis, W. Korten, G. Lotay, M. Mallaburn, and E. Sahin

High spin γ-ray spectroscopy in ^{41}Ca *(10 pages)* 054312
R. Bhattacharjee, S. Samanta, S. Das, S. S. Bhattacharjee, R. Raut, S. S. Ghugre, A. K. Sinha, U. Garg, R. Chakrabarti, S. Mukhopadhyay, A. Dhal, R. P. Singh, N. Madhavan, and S. Muralithar

γ strength function and level density of ^{208}Pb from forward-angle proton scattering at 295 MeV *(7 pages)* 054313
S. Bassauer, P. von Neumann-Cosel, and A. Tamii

Rearrangement of valence neutrons in the neutrinoless double-β decay of ^{136}Xe *(7 pages)* 054314
S. V. Szwec, B. P. Kay, T. E. Cocolios, J. P. Entwisle, S. J. Freeman, L. P. Gaffney, V. Guimarães, F. Hammache, P. P. McKee, E. Parr, C. Portail, J. P. Schiffer, N. de Séréville, D. K. Sharp, J. F. Smith, and I. Stefan

Improved radial basis function approach with odd-even corrections *(7 pages)* 054315
Z. M. Niu (牛中明), B. H. Sun (孙保华), H. Z. Liang (梁豪兆), Y. F. Niu (牛一斐), and J. Y. Guo (郭建友)

Effective field theory for vibrations in odd-mass nuclei *(17 pages)* 054316
E. A. Coello Pérez and T. Papenbrock

Investigation of constraints on few-neutron forces in neutron matter by empirical information on the neutron skin of ^{48}Ca and ^{208}Pb *(6 pages)* 054317
Francesca Sammarruca

High-sensitivity study of levels in ^{30}Al following β decay of ^{30}Mg *(7 pages)* 054318
B. Olaizola, H. Mach, L. M. Fraile, J. Benito, M. J. G. Borge, R. Boutami, P. A. Butler, Z. Dlouhy, H. O. U. Fynbo, P. Hoff, S. Hyldegaard, H. B. Jeppesen, A. Jokinen, C. Jollet, A. Korgul, U. Köster, Th. Kröll, W. Kurcewicz, F. Marechal, J. Mrazek, T. Nilsson, W. A. Płóciennik, E. Ruchowska, R. Schuber, W. Schwerdtfeger, M. Sewtz, G. S. Simpson, M. Stanoiu, O. Tengblad, P. G. Thirolf, and D. T. Yordanov

Systematic study of infrared energy corrections in truncated oscillator spaces with Gogny energy density functionals *(11 pages)* 054319
Alexander Arzhanov, Tomás R. Rodríguez, and Gabriel Martínez-Pinedo

Effects of deformation and neutron-proton pairing on the Gamow-Teller transitions for ^{24,26}Mg in a deformed quasiparticle random-phase approximation *(10 pages)* 054320
Eunja Ha and Myung-Ki Cheoun

Changes in nuclear structure along the Mn isotopic chain studied via charge radii *(11 pages)* 054321
H. Heylen, C. Babcock, R. Beerwerth, J. Billowes, M. L. Bissell, K. Blaum, J. Bonnard, P. Campbell, B. Cheal, T. Day Goodacre, D. Fedorov, S. Fritzsche, R. F. Garcia Ruiz, W. Geithner, Ch. Geppert, W. Gins, L. K. Grob, M. Kowalska, K. Kreim, S. M. Lenzi, I. D. Moore, B. Maass, S. Malbrunot-Ettenauer, B. Marsh, R. Neugart, G. Neyens, W. Nörtershäuser, T. Otsuka, J. Papuga, R. Rossel, S. Rothe, R. Sánchez, Y. Tsunoda, C. Wraith, L. Xie, X. F. Yang, and D. T. Yordanov

Consistent quadrupole-octupole collective model *(20 pages)* 054322
A. Dobrowolski, K. Mazurek, and A. Góźdź

(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 94, NUMBER 5 NOVEMBER 2016

ARTICLES

Nucleon-Nucleon Interaction, Few-Body Systems

Three-body calculation of the 1s level shift in kaonic deuterium with realistic $\bar{K}N$ potentials *(7 pages)* 054001
J. Révai

Nucleon-nucleon interaction with one-pion exchange and instanton-induced interactions *(6 pages)* 054002
C. S. Vanamali and K. B. Vijaya Kumar

Longitudinal asymmetry and proton spin rotation in $\vec{p}d$ scattering with pionless effective field theory *(9 pages)* . . 054003
N. Mahboubi, S. Bayegan, H. Nematollahi, and M. Moeini Arani

$p + d \rightarrow {}^3\mathrm{He} + \gamma$ reaction with pionless effective field theory *(12 pages)* 054004
H. Nematollahi, S. Bayegan, N. Mahboubi, and M. Moeini Arani

Quantum Monte Carlo calculations of two neutrons in finite volume *(11 pages)* 054005
P. Klos, J. E. Lynn, I. Tews, S. Gandolfi, A. Gezerlis, H.-W. Hammer, M. Hoferichter, and A. Schwenk

Role of correlations in spin-polarized neutron matter *(6 pages)* 054006
Isaac Vidaña, Artur Polls, and Victoria Durant

Local chiral potentials with Δ-intermediate states and the structure of light nuclei *(12 pages)* 054007
M. Piarulli, L. Girlanda, R. Schiavilla, A. Kievsky, A. Lovato, L. E. Marcucci,
Steven C. Pieper, M. Viviani, and R. B. Wiringa

Nuclear Structure

Confirmation of the new isotope ^{178}Pb *(6 pages)* 054301
H. Badran, C. Scholey, K. Auranen, T. Grahn, P. T. Greenlees, A. Herzan, U. Jakobsson, R. Julin,
S. Juutinen, J. Konki, M. Leino, M. Mallaburn, J. Pakarinen, P. Papadakis, J. Partanen, P. Peura,
P. Rahkila, M. Sandzelius, J. Sarén, J. Sorri, S. Stolze, and J. Uusitalo

Single-particle and collective motion in unbound deformed ^{39}Mg *(9 pages)* 054302
K. Fossez, J. Rotureau, N. Michel, Quan Liu (刘泉), and W. Nazarewicz

Octupole correlations in $N = 88$ ^{154}Dy: Octupole vibration versus stable deformation *(5 pages)* 054303
G. L. Zimba, J. F. Sharpey-Schafer, P. Jones, S. P. Bvumbi, L. P. Masiteng, S. N. T. Majola, T. S. Dinoko,
E. A. Lawrie, J. J. Lawrie, D. Negi, P. Papka, D. Roux, O. Shirinda, J. E. Easton, and N. A. Khumalo

Experimental study of high-lying states in ^{28}Mg using the resonant elastic scattering of α particles *(8 pages)* 054304
J. Walshe, M. Freer, C. Wheldon, A. Soylu, N. L. Achouri, N. I. Ashwood, W. N. Catford, I. C. Celik,
N. Curtis, F. Delaunay, B. Fernández-Domínguez, L. Grassi, Tz. Kokalova, F. M. Marqués, N. A. Orr,
L. Prepolec, V. Scuderi, N. Soić, and V. Tokić

Laser and decay spectroscopy of the short-lived isotope ^{214}Fr in the vicinity of the $N = 126$ shell closure *(7 pages)* 054305
G. J. Farooq-Smith, T. E. Cocolios, J. Billowes, M. L. Bissell, I. Budinčević, T. Day Goodacre,
R. P. de Groote, V. N. Fedosseev, K. T. Flanagan, S. Franchoo, R. F. Garcia Ruiz, H. Heylen,
R. Li, K. M. Lynch, B. A. Marsh, G. Neyens, R. E. Rossel, S. Rothe, H. H. Stroke, K. D. A. Wendt,
S. G. Wilkins, and X. F. Yang

Shape phase mixing in critical point nuclei *(11 pages)* 054306
R. Budaca and A. I. Budaca

Neutron matter from chiral two- and three-nucleon calculations up to N^{3}LO *(9 pages)* 054307
C. Drischler, A. Carbone, K. Hebeler, and A. Schwenk

Wobbling motion in ^{135}Pr within a collective Hamiltonian *(7 pages)* 054308
Q. B. Chen (陈启博), S. Q. Zhang (张双全), and J. Meng (孟杰)

(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™

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 94, NUMBER 5 *CONTENTS* **NOVEMBER 2016**

RAPID COMMUNICATIONS

Nuclear Structure

First spectroscopic information from even-even nuclei in the region "southeast" of ^{132}Sn: Neutron-excitation dominance of the 2_1^+ state in ^{132}Cd *(5 pages)* . . . . . 051301(R)
H. Wang, N. Aoi, S. Takeuchi, M. Matsushita, T. Motobayashi, D. Steppenbeck, K. Yoneda, H. Baba, Zs. Dombrádi, K. Kobayashi, Y. Kondo, J. Lee, H. Liu, R. Minakata, D. Nishimura, H. Otsu, H. Sakurai, D. Sohler, Y. Sun, Z. Tian, R. Tanaka, Zs. Vajta, Z. Yang, T. Yamamoto, Y. Ye, and R. Yokoyama

Theoretical predictions for the nucleus ^{296}118 *(6 pages)* . . . . . 051302(R)
A. Sobiczewski

The ^{30}Mg$(t,p)^{32}$Mg "puzzle" reexamined *(5 pages)* . . . . . 051303(R)
A. O. Macchiavelli, H. L. Crawford, C. M. Campbell, R. M. Clark, M. Cromaz, P. Fallon, M. D. Jones, I. Y. Lee, M. Salathe, B. A. Brown, and A. Poves

Nuclear Reactions

Survival of cluster correlation in dissipative binary breakup of ^{24,25}Mg* *(5 pages)* . . . . . 051601(R)
S. Manna, T. K. Rana, C. Bhattacharya, S. Bhattacharya, S. Kundu, K. Banerjee, Pratap Roy, R. Pandey, Vishal Srivastava, A. Chaudhuri, T. Roy, T. K. Ghosh, G. Mukherjee, J. K. Meena, S. K. Pandit, K. Mahata, A. Shrivastava, and V. Nanal

Search for dilute excited states in ^{16}O *(5 pages)* . . . . . 051602(R)
A. A. Ogloblin, A. N. Danilov, A. S. Demyanova, S. A. Goncharov, and T. L. Belyaeva

Applicability of the continuum-discretized coupled-channels method to the deuteron breakup at low energies *(4 pages)* . . . . . 051603(R)
Kazuyuki Ogata and Kazuki Yoshida

Nuclear Astrophysics

Strong correlations of neutron star radii with the slopes of nuclear matter incompressibility and symmetry energy at saturation *(6 pages)* . . . . . 052801(R)
N. Alam, B. K. Agrawal, M. Fortin, H. Pais, C. Providência, Ad. R. Raduta, and A. Sulaksono

Copyright 2016 by American Physical Society

2469-9985(201611)94:5;1-P

(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).