PHYSICAL REVIEW C™

For editorial and subscription correspondence, please see inside front cover
(ISSN: 0556-2813)

PERIODICALS
Postmaster send address changes to:

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

THIRD SERIES, VOLUME 91, NUMBER 5 *CONTENTS* **MAY 2015**

RAPID COMMUNICATIONS

Nuclear Structure

Accurate nuclear radii and binding energies from a chiral interaction *(7 pages)* . . . . . 051301(R)
A. Ekström, G. R. Jansen, K. A. Wendt, G. Hagen, T. Papenbrock, B. D. Carlsson, C. Forssén, M. Hjorth-Jensen, P. Navrátil, and W. Nazarewicz

α-decay properties of the new isotope ^{216}U *(3 pages)* . . . . . 051302(R)
L. Ma (马龙), Z. Y. Zhang (张志远), Z. G. Gan (甘再国), H. B. Yang (杨华彬), L. Yu (郁琳), J. Jiang (姜舰), J. G. Wang (王建国), Y. L. Tian (田玉林), Y. S. Wang (王永生), S. Guo (郭松), B. Ding (丁兵), Z. Z. Ren (任中洲), S. G. Zhou (周善贵), X. H. Zhou (周小红), H. S. Xu (徐瑚珊), and G. Q. Xiao (肖国青)

ARTICLES

Nucleon-Nucleon Interaction, Few-Body Systems

Energy resolution with the Lorentz integral transform *(7 pages)* 054001
Winfried Leidemann

Low-energy chiral two-pion exchange potential with statistical uncertainties *(16 pages)* 054002
R. Navarro Pérez, J. E. Amaro, and E. Ruiz Arriola

Three-body bremsstrahlung and the rotational character of the ^{12}C spectrum *(22 pages)* 054003
E. Garrido, A. S. Jensen, and D. V. Fedorov

Supersymmetric inversion of effective-range expansions *(5 pages)* 054004
Bikashkali Midya, Jérémie Evrard, Sylvain Abramowicz, O. L. Ramírez Suárez, and Jean-Marc Sparenberg

Enhancement of the CP-odd effect in the nuclear electric dipole moment of ^{6}Li *(6 pages)* 054005
Nodoka Yamanaka and Emiko Hiyama

Nuclear Structure

High-spin terminating states in the $N = 88$ ^{155}Ho and ^{156}Er isotones *(17 pages)* 054301
J. M. Rees, E. S. Paul, J. Simpson, M. A. Riley, A. D. Ayangeakaa, M. P. Carpenter, C. J. Chiara, U. Garg, P. Hampson, D. J. Hartley, C. R. Hoffman, R. V. F. Janssens, F. G. Kondev, T. Lauritsen, P. J. R. Mason, J. Matta, S. L. Miller, P. J. Nolan, J. Ollier, M. Petri, D. C. Radford, J. P. Revill, X. Wang, S. Zhu, J. Gellanki, and I. Ragnarsson

Copyright 2015 by American Physical Society

0556-2813(201505)91:5;1-0

(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 91, NUMBER 5** **MAY 2015**

Model dependence of the I^4 term in the symmetry energy for finite nuclei *(6 pages)* 054302
H. Jiang, N. Wang, Lie-Wen Chen, Y. M. Zhao, and A. Arima

Collectivity of the pygmy dipole resonance within schematic Tamm-Dancoff approximation and random-phase approximation models *(8 pages)* 054303
V. Baran, D. I. Palade, M. Colonna, M. Di Toro, A. Croitoru, and A. I. Nicolin

Level structure of the Ge, Se, and Kr ($N = 52, 53$) isotopes within the framework of the interacting boson model *(9 pages)* 054304
Falih H. Al-Khudair

High-spin states in ^{136}La and possible structure change in the $N = 79$ region *(9 pages)* 054305
H. Nishibata, R. Leguillon, A. Odahara, T. Shimoda, C. M. Petrache, Y. Ito, J. Takatsu, K. Tajiri, N. Hamatani, R. Yokoyama, E. Ideguchi, H. Watanabe, Y. Wakabayashi, K. Yoshinaga, T. Suzuki, S. Nishimura, D. Beaumel, G. Lehaut, D. Guinet, P. Desesquelles, D. Curien, K. Higashiyama, and N. Yoshinaga

Shape and energy spectra of Λ hypernuclei from a Skyrme-Hartree-Fock model and a beyond-mean-field calculation *(10 pages)* 054306
Ji-Wei Cui, Xian-Rong Zhou, and Hans-Josef Schulze

Effect of core polarization on magnetic dipole moments in deformed odd-mass nuclei *(13 pages)* 054307
L. Bonneau, N. Minkov, Dao Duy Duc, P. Quentin, and J. Bartel

Recursive method for computing matrix elements for two-body interactions *(6 pages)* 054308
Juhani Hyvärinen and Jouni Suhonen

Systematic approach to β and $2\nu\beta\beta$ decays of mass $A = 100$–136 nuclei *(17 pages)* 054309
Pekka Pirinen and Jouni Suhonen

Scissors mode from a different perspective *(10 pages)* 054310
Matthew Harper and Larry Zamick

Toward order-by-order calculations of the nuclear and neutron matter equations of state in chiral effective field theory *(8 pages)* 054311
F. Sammarruca, L. Coraggio, J. W. Holt, N. Itaco, R. Machleidt, and L. E. Marcucci

Shape phase transition at $N = 88$–90 in ^{144,146}Ba *(9 pages)* 054312
J. B. Gupta and Mansi Saxena

Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from the ^{88}Mo compound nucleus *(16 pages)* 054313
M. Ciemała *et al.*

Collective band structures in the ^{99}Tc nucleus *(10 pages)* 054314
H. J. Li, Z. G. Xiao, S. J. Zhu, M. Patial, C. Qi, B. Cederwall, Z. Zhang, R. S. Wang, H. Yi, W. H. Yan, W. J. Cheng, Y. Huang, L. M. Lyu, Y. Zhang, X. G. Wu, C. Y. He, Y. Zheng, G. S. Li, C. B. Li, H. W. Li, J. J. Liu, P. W. Luo, S. P. Hu, J. L. Wang, and Y. H. Wu

Octupole deformation in light actinides within an analytic quadrupole octupole axially symmetric model with a Davidson potential *(20 pages)* 054315
Dennis Bonatsos, Andriana Martinou, N. Minkov, S. Karampagia, and D. Petrellis

Resonant states of the neutron-rich Λ hypernucleus $^{7}_{\Lambda}$He *(6 pages)* 054316
E. Hiyama, M. Isaka, M. Kamimura, T. Myo, and T. Motoba

Collectivity of 0^+ states in ^{160}Gd *(6 pages)* 054317
S. R. Lesher, C. Casarella, A. Aprahamian, B. P. Crider, R. Ikeyama, I. R. Marsh, M. T. McEllistrem, E. E. Peters, F. M. Prados-Estévez, M. K. Smith, Z. R. Tully, J. R. Vanhoy, and S. W. Yates

(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 91, NUMBER 5 MAY 2015

Quartet structure in atomic nuclei *(5 pages)* 054318
G. J. Fu, Y. M. Zhao, and A. Arima

Regularities in low-lying states of atomic nuclei with random interactions *(6 pages)* 054319
G. J. Fu, J. J. Shen, Y. M. Zhao, and A. Arima

Effects of three-body forces on the maximum mass of neutron stars in the lowest-order constrained variational formalism *(10 pages)* 054320
S. Goudarzi and H. R. Moshfegh

Experimental study of the ^{66}Ni(d, p) ^{67}Ni one-neutron transfer reaction *(15 pages)* 054321
J. Diriken, N. Patronis, A. Andreyev, S. Antalic, V. Bildstein, A. Blazhev, I. G. Darby, H. De Witte, J. Eberth, J. Elseviers, V. N. Fedosseev, F. Flavigny, Ch. Fransen, G. Georgiev, R. Gernhauser, H. Hess, M. Huyse, J. Jolie, Th. Kröll, R. Krücken, R. Lutter, B. A. Marsh, T. Mertzimekis, D. Muecher, R. Orlandi, A. Pakou, R. Raabe, G. Randisi, P. Reiter, T. Roger, M. Seidlitz, M. Seliverstov, C. Sotty, H. Tornqvist, J. Van De Walle, P. Van Duppen, D. Voulot, N. Warr, F. Wenander, and K. Wimmer

Nucleon-pair approximations for low-lying states of even-even $N = Z$ nuclei *(10 pages)* 054322
G. J. Fu, Y. M. Zhao, and A. Arima

Proton and neutron correlations in ^{10}B *(10 pages)* 054323
Yoshiko Kanada-En'yo, Hiroyuki Morita, and Fumiharu Kobayashi

β decay of ^{129}Cd and excited states in ^{129}In *(11 pages)* 054324
J. Taprogge *et al.*

Regularity and chaos in 0^+ states of the interacting boson model using quantum measures *(12 pages)* 054325
S. Karampagia, Dennis Bonatsos, and R. F. Casten

Evolution of quadrupole collectivity in $N = 80$ isotones toward the $Z = 64$ subshell gap: The $B(E2; 2_1^+ \rightarrow 0_1^+)$ value of ^{142}Sm *(5 pages)* 054326
R. Stegmann, C. Bauer, G. Rainovski, N. Pietralla, C. Stahl, S. Bönig, S. Ilieva, A. Blazhev, A. Damyanova, M. Danchev, K. Gladnishki, J. Jolie, R. Lutter, J. Pakarinen, D. Radeck, E. Rapisarda, P. Reiter, M. Scheck, B. Siebeck, T. Stora, P. Thöle, T. Thomas, M. Thürauf, M. J. Vermeulen, D. Voulot, N. Warr, F. Wenander, V. Werner, and H. De Witte

γ decay from the quasicontinuum of ^{197,198}Au *(10 pages)* 054327
F. Giacoppo, F. L. Bello Garrote, L. A. Bernstein, D. L. Bleuel, R. B. Firestone, A. Görgen, M. Guttormsen, T. W. Hagen, M. Klintefjord, P. E. Koehler, A. C. Larsen, H. T. Nyhus, T. Renstrøm, E. Sahin, S. Siem, and T. Tornyi

Double-β decay within a consistent deformed approach *(6 pages)* 054329
D. S. Delion and J. Suhonen

Nuclear Reactions

Quantal description of nucleon exchange in a stochastic mean-field approach *(5 pages)* 054601
S. Ayik, O. Yilmaz, B. Yilmaz, A. S. Umar, A. Gokalp, G. Turan, and D. Lacroix

Role of the neck degree of freedom in cold fusion reactions *(10 pages)* 054602
G. G. Adamian, N. V. Antonenko, and H. Lenske

Liquid-gas phase transition in hypernuclei *(6 pages)* 054603
S. Mallik and G. Chaudhuri

(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 91, NUMBER 5** **MAY 2015**

Spin dependence of the incident channel distorted wave in the theory of the $A(d,p)B$ reaction *(18 pages)* 054604
R. C. Johnson

β decay of ^{252}Cf in the transition from the exit point to scission *(6 pages)* 054605
K. Pomorski, B. Nerlo-Pomorska, and P. Quentin

α-decay chains of recoiled superheavy nuclei: A theoretical study *(10 pages)* 054606
Niyti, Gudveen Sawhney, Manoj K. Sharma, and Raj K. Gupta

Microscopic nuclear form factors for the pygmy dipole resonance *(7 pages)* 054607
E. G. Lanza, A. Vitturi, and M. V. Andrés

Experimental study of the quasifission, fusion-fission, and de-excitation of Cf compound nuclei *(11 pages)* 054608
J. Khuyagbaatar, D. J. Hinde, I. P. Carter, M. Dasgupta, Ch. E. Düllmann, M. Evers, D. H. Luong, R. du Rietz, A. Wakhle, E. Williams, and A. Yakushev

Probing the momentum-dependent symmetry potential via nuclear collective flows *(11 pages)* 054609
Wen-Jie Xie, Zhao-Qing Feng, Jun Su, and Feng-Shou Zhang

Toward neutron-rich nuclei via transfer reactions with stable and radioactive beams *(9 pages)* 054610
Myeong-Hwan Mun, G. G. Adamian, N. V. Antonenko, Yongseok Oh, and Youngman Kim

Experimental study of ^{26}Al through the $1n$ pick-up reaction ^{27}Al(d,t) *(7 pages)* 054611
Vishal Srivastava, C. Bhattacharya, T. K. Rana, S. Manna, S. Kundu, S. Bhattacharya, K. Banerjee, P. Roy, R. Pandey, G. Mukherjee, T. K. Ghosh, J. K. Meena, T. Roy, A. Chaudhuri, M. Sinha, A. Saha, Md. A. Asgar, A. Dey, Subinit Roy, and Md. M. Shaikh

Theoretical study of the almost sequential mechanism of true ternary fission *(9 pages)* 054612
R. B. Tashkhodjaev, A. I. Muminov, A. K. Nasirov, W. von Oertzen, and Yongseok Oh

Sub-barrier fusion calculations for the neutron star crust using the microscopic Brueckner G-matrix and Skyrme energy density functionals *(10 pages)* 054613
M. Rashdan

Investigation of the threshold anomaly for the ^{7}Li + ^{159}Tb system *(7 pages)* 054614
D. Patel, S. Mukherjee, D. C. Biswas, B. K. Nayak, Y. K. Gupta, L. S. Danu, S. Santra, and E. T. Mirgule

Mass-splitting effect on flows in heavy-ion collisions in the Fermi-energy domain *(8 pages)* 054615
Chenchen Guo, Yongjia Wang, Qingfeng Li, Peiwei Wen, and Feng-Shou Zhang

Effects of pion potential and nuclear symmetry energy on the π^-/π^+ ratio in heavy-ion collisions at beam energies around the pion production threshold *(5 pages)* 054616
Wen-Mei Guo, Gao-Chan Yong, Hang Liu, and Wei Zuo

Reaction mechanism of ^{8}B breakup at the Fermi energy *(4 pages)* 054617
S. L. Jin (金仕纶), J. S. Wang (王建松), Y. Y. Yang (杨彦云), P. Ma (马朋), M. R. Huang (黄美容), J. B. Ma (马军兵), F. Fu (付芬), Q. Wang (王琦), M. Wang (王猛), Z. Y. Sun (孙志宇), Z. G. Hu (胡正国), R. F. Chen (陈若富), X. Y. Zhang (张雪荧), X. H. Yuan (袁小华), X. L. Tu (涂小林), Z. G. Xu (徐志国), K. Yue (岳珂), J. D. Chen (陈金达), B. Tang (唐彬), Y. D. Zang (臧永东), D. P. Wu (武大鹏), Q. Hu (胡强), Z. Bai (白真), Y. J. Zhou (周远杰), W. H. Ma (马维虎), J. Chen (陈杰), C. J. Lin (林承键), X. X. Xu (徐新星), Z. Z. Ren (任中洲), C. Xu (许昌), D. D. Ni (倪冬冬), Y. H. Zhang (张玉虎), H. S. Xu (徐瑚珊), and G. Q. Xiao (肖国青)

Determination of ^{238}Pu(n,f) and ^{236}Np(n,f) cross sections using surrogate reactions *(8 pages)* 054618
A. Pal, S. Santra, B. K. Nayak, K. Mahata, V. V. Desai, D. Chattopadhyay, and R. Tripathi

(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 91, NUMBER 5** **MAY 2015**

Relativistic Nuclear Collisions

Possible observables for the chiral electric separation effect in Cu + Au collisions *(6 pages)* 054901
Guo-Liang Ma and Xu-Guang Huang

Heavy quark scattering and quenching in a QCD medium at finite temperature and chemical potential *(17 pages)* 054902
H. Berrehrah, E. Bratkovskaya, W. Cassing, P. B. Gossiaux, and J. Aichelin

Selecting specific initial configurations using spectator neutrons in U + U collisions *(5 pages)* 054903
Vipul Bairathi, Md. Rihan Haque, and Bedangadas Mohanty

Influence of ϕ mesons on negative kaons in Ni + Ni collisions at 1.91A GeV beam energy *(8 pages)* 054904
K. Piasecki *et al.* (FOPI Collaboration)

Interferometric signatures of the temperature dependence of the specific shear viscosity in heavy-ion collisions *(9 pages)* 054905
Christopher Plumberg and Ulrich Heinz

Probing quark charge correlations by identified hadrons in ultrarelativistic AA collisions *(9 pages)* 054906
Jun Song and Feng-lan Shao

Relativistic quantum transport coefficients for second-order viscous hydrodynamics *(9 pages)* 054907
Wojciech Florkowski, Amaresh Jaiswal, Ewa Maksymiuk, Radoslaw Ryblewski, and Michael Strickland

Linear Boltzmann transport for jet propagation in the quark-gluon plasma: Elastic processes and medium recoil *(17 pages)* 054908
Yayun He, Tan Luo, Xin-Nian Wang, and Yan Zhu

Bose-Einstein condensation of pions in heavy-ion collisions at energies available at the CERN Large Hadron Collider *(10 pages)* 054909
Viktor Begun and Wojciech Florkowski

Quantifying properties of hot and dense QCD matter through systematic model-to-data comparison *(15 pages)* . . . 054910
Jonah E. Bernhard, Peter W. Marcy, Christopher E. Coleman-Smith, Snehalata Huzurbazar, Robert L. Wolpert, and Steffen A. Bass

Coarse-graining approach for dilepton production at energies available at the CERN Super Proton Synchrotron *(14 pages)* 054911
Stephan Endres, Hendrik van Hees, Janus Weil, and Marcus Bleicher

Hydrodynamic modeling of pseudorapidity flow correlations in relativistic heavy-ion collisions and the torque effect *(6 pages)* 054912
Piotr Bożek, Wojciech Broniowski, and Adam Olszewski

Collective flow in high-multiplicity proton-proton collisions *(5 pages)* 054913
Tigran Kalaydzhyan and Edward Shuryak

Enhanced production of $\psi(2S)$ mesons in heavy ion collisions *(5 pages)* 054914
Sungtae Cho

Femtoscopic signature of strong radial flow in high-multiplicity pp collisions *(7 pages)* 054915
Yuji Hirono and Edward Shuryak

Hadronic Physics and QCD

Accounting for the analytical properties of the quark propagator from the Dyson-Schwinger equation *(13 pages)* 055201
S. M. Dorkin, L. P. Kaptari, and B. Kämpfer

(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 91, NUMBER 5** **MAY 2015**

Determination of the beam-spin asymmetry of deuteron photodisintegration in the energy region $E_\gamma = 1.1$–2.3 GeV *(16 pages)* 055202
N. Zachariou *et al.* (CLAS Collaboration)

Equation of state and sound velocity of a hadronic gas with a hard-core interaction *(15 pages)* 055203
L. M. Satarov, K. A. Bugaev, and I. N. Mishustin

Nonperturbative lepton-sea fermions in the nucleon and the proton radius puzzle *(6 pages)* 055204
Gerald A. Miller

Development of high-performance alkali-hybrid polarized ^{3}He targets for electron scattering *(25 pages)* 055205
Jaideep T. Singh, P. A. M. Dolph, W. A. Tobias, T. D. Averett, A. Kelleher, K. E. Mooney, V. V. Nelyubin, Yunxiao Wang, Yuan Zheng, and G. D. Cates

Direct observation of quark-hadron duality in the free neutron F_2 structure function *(7 pages)* 055206
I. Niculescu, G. Niculescu, W. Melnitchouk, J. Arrington, M. E. Christy, R. Ent, K. A. Griffioen, N. Kalantarians, C. E. Keppel, S. Kuhn, S. Tkachenko, and J. Zhang

Deeply virtual Compton scattering at small x in future electron-ion colliders *(10 pages)* 055207
V. P. Gonçalves and D. S. Pires

First measurement of target and beam-target asymmetries in the $\gamma p \to \pi^0 \eta p$ reaction *(9 pages)* 055208
J. R. M. Annand *et al.* (A2 Collaboration at MAMI)

Electroweak Interaction, Symmetries

Determination of the direct double-β-decay Q value of ^{96}Zr and atomic masses of $^{90-92,94,96}$Zr and $^{92,94-98,100}$Mo *(7 pages)* 055501
K. Gulyuz, J. Ariche, G. Bollen, S. Bustabad, M. Eibach, C. Izzo, S. J. Novario, M. Redshaw, R. Ringle, R. Sandler, S. Schwarz, and A. A. Valverde

Measurement of the formation rate of muonic hydrogen molecules *(11 pages)* 055502
V. A. Andreev, T. I. Banks, R. M. Carey, T. A. Case, S. M. Clayton, K. M. Crowe, J. Deutsch, J. Egger, S. J. Freedman, V. A. Ganzha, T. Gorringe, F. E. Gray, D. W. Hertzog, M. Hildebrandt, P. Kammel, B. Kiburg, S. Knaack, P. A. Kravtsov, A. G. Krivshich, B. Lauss, K. R. Lynch, E. M. Maev, O. E. Maev, F. Mulhauser, C. Petitjean, G. E. Petrov, R. Prieels, G. N. Schapkin, G. G. Semenchuk, M. A. Soroka, V. Tishchenko, A. A. Vasilyev, A. A. Vorobyov, M. E. Vznuzdaev, and P. Winter (MuCap Collaboration)

Charge symmetry breaking in electromagnetic nucleon form factors in elastic parity-violating electron-nucleus scattering *(5 pages)* 055503
Gerald A. Miller

Reliability of usual assumptions in the calculation of β and ν spectra *(12 pages)* 055504
X. Mougeot

Nuclear Astrophysics

Light clusters, pasta phases, and phase transitions in core-collapse supernova matter *(13 pages)* 055801
Helena Pais, Silvia Chiacchiera, and Constança Providência

Revised thermonuclear rate of ^{7}Be$(n,\alpha)^4$He relevant to Big-Bang nucleosynthesis *(5 pages)* 055802
S. Q. Hou, J. J. He, S. Kubono, and Y. S. Chen

Neutron drip transition in accreting and nonaccreting neutron star crusts *(10 pages)* 055803
N. Chamel, A. F. Fantina, J. L. Zdunik, and P. Haensel

Phase conversion dissipation in multicomponent compact stars *(15 pages)* 055804
Mark G. Alford, Sophia Han (韩君), and Kai Schwenzer

(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 91, NUMBER 5** **MAY 2015**

Nonequilibrium phase transition in compact stars through a violent shock *(6 pages)* 055806
Igor Mishustin, Ritam Mallick, Rana Nandi, and Leonid Satarov

Nucleon self-energies for supernova equations of state *(24 pages)* 055807
Matthias Hempel

Role of strangeness in hybrid stars and possible observables *(9 pages)* 055808
V. Dexheimer, R. Negreiros, and S. Schramm

Measurements of ^{152}Gd(p,γ)^{153}Tb and ^{152}Gd(p, n)^{152}Tb reaction cross sections for the astrophysical γ process *(8 pages)* 055809
R. T. Güray, N. Özkan, C. Yalçın, T. Rauscher, Gy. Gyürky, J. Farkas, Zs. Fülöp, Z. Halász, and E. Somorjai

BRIEF REPORTS

Nuclear Structure

Persistence of collective behavior at high spin in the $N = 88$ nucleus ^{153}Tb *(4 pages)* 057301
D. J. Hartley, M. A. Riley, X. Wang, S. Miller, R. V. F. Janssens, E. S. Paul, J. M. Rees, J. Simpson, L. L. Riedinger, A. D. Ayangeakaa, M. P. Carpenter, C. J. Chiara, U. Garg, P. Hampson, C. R. Hoffman, F. G. Kondev, T. Lauritsen, P. J. R. Mason, J. T. Matta, P. J. Nolan, J. Ollier, M. Petri, D. C. Radford, J. P. Revill, S. Zhu, and I. Ragnarsson

Nuclear Reactions

Reexamination of ^{6}Li + p elastic scattering in inverse kinematics *(5 pages)* 057601
V. Soukeras, A. Pakou, F. Cappuzzello, L. Acosta, C. Agodi, N. Alamanos, M. Bondi, D. Carbone, M. Cavallaro, A. Cunsolo, M. De Napoli, A. Di Pietro, J. P. Fernández-García, P. Figuera, M. Fisichella, A. Foti, N. Keeley, G. Marquinez-Duran, I. Martel, M. Mazzocco, D. Nicolosi, D. Pierroutsakou, K. Rusek, O. Sgouros, E. Stiliaris, E. Strano, and D. Torresi

Microscopic study of (p,γ) reactions in the mass region $A = 110-125$ *(4 pages)* 057602
Dipti Chakraborty, Saumi Dutta, G. Gangopadhyay, and Abhijit Bhattacharyya