PHYSICAL REVIEW C **THIRD SERIES, VOLUME 57, NUMBER 3** **MARCH 1998**

Minimal relativity and $^3S_1$-$^3D_1$ pairing in symmetric nuclear matter R1069
Ø. Elgarøy, L. Engvik, M. Hjorth-Jensen, and E. Osnes
Semiclassical description of the shears mechanism and the role of effective interactions R1073
A. O. Macchiavelli, R. M. Clark, P. Fallon, M. A. Deleplanque, R. M. Diamond, R. Krücken, I. Y. Lee, F. S. Stephens, S. Asztalos, and K. Vetter

ARTICLES

Nucleon-Nucleon Interaction, Few-Body Systems

np scattering measurements at 162 MeV and the πNN coupling constant 1077
J. Rahm, J. Blomgren, H. Condé, S. Dangtip, K. Elmgren, N. Olsson, T. Rönnqvist, R. Zorro, A. Ringbom, G. Tibell, O. Jonsson, L. Nilsson, P.-U. Renberg, T. E. O. Ericson, and B. Loiseau
Elastic proton-deuteron backward scattering: Relativistic effects and polarization observables 1097
L. P. Kaptari, B. Kämpfer, S. M. Dorkin, and S. S. Semikh

Nuclear Structure

Nuclear structure of ^{241}Pu from neutron-capture, (d,p)-, and (d,t)-reaction measurements 1112
D. H. White, R. W. Hoff, H. G. Börner, K. Schreckenbach, F. Hoyler, G. Colvin, I. Ahmad, A. M. Friedman, and J. R. Erskine
Giant monopole resonance strength in ^{28}Si 1134
D. H. Youngblood, H. L. Clark, and Y.-W. Lui
Octupole deformation in ^{226}Th 1145
C. F. Liang, P. Paris, R. K. Sheline, D. Trubert, C. Le Naour, and M. Vergnes
Extended spectroscopy in the superdeformed well of ^{148,149}Gd nuclei 1151
Th. Byrski, O. Stezowski, K. Zuber, D. Appelbe, C. W. Beausang, F. A. Beck, A. Bouguettoucha, D. Curien, G. de France, G. Duchêne, S. Ertück, C. Finck, B. Gall, B. Haas, A. Z. Kiss, N. Khadiri, B. Kharraja, A. Nourreddine, D. Prévost, H. Savajols, M. Smith, P. J. Twin, and J. P. Vivien
New isomer in ^{80}Y 1159
J. Döring, H. Schatz, A. Aprahamian, R. C. de Haan, J. Görres, M. Wiescher, W. B. Walters, J. Rikovska, L. T. Brown, C. N. Davids, C. J. Lister, D. Seweryniak, and B. Foy
Pseudospin symmetry and relativistic single-nucleon wave functions 1167
Joseph N. Ginocchio and David G. Madland
Nucleon-nucleon phase shifts and pairing in neutron matter and nuclear matter 1174
Ø. Elgarøy and M. Hjorth-Jensen
Binding energy of double Λ hypernuclei in relativistic mean field theory 1178
S. Marcos, R. J. Lombard, and J. Mareš
Structure of ^{43}Sc in the $\alpha+^{39}$K cluster model 1184
Toshimi Sakuda and Shigeo Ohkubo
Diabatic and adiabatic collective motion in a model pairing system 1192
Takashi Nakatsukasa and Niels R. Walet
Finite rank approximation for random phase approximation calculations with Skyrme interactions: An application to Ar isotopes 1204
Nguyen Van Giai, Ch. Stoyanov, and V. V. Voronov
Pion excess, nuclear correlations, and the interpretation of $(\vec{p},\vec{n})$ spin transfer experiments 1210
Daniel S. Koltun
Dynamical effects of deformation in the coupled two-rotor system 1218
Marius Grigorescu, Dirk Rompf, and Werner Scheid
Pairing interaction in exotic nuclei: Finite range or zero range? 1229
J. Meng

(Continued)