PHYSICAL REVIEW C **THIRD SERIES, VOLUME 59, NUMBER 1** **JANUARY 1999**

Mirror-symmetry structure of $A=27$, $T=1/2$ nuclei studied through strong, weak, and electromagnetic interactions 90
Y. Fujita, H. Akimune, I. Daito, H. Fujimura, M. Fujiwara, M. N. Harakeh, T. Inomata, J. Jänecke, K. Katori, A. Tamii, M. Tanaka, H. Ueno, and M. Yosoi

The configurations and level structure of ^{214}At 101
R. K. Sheline, P. Alexa, C. F. Liang, and P. Paris

Population of ^{10}Li by fragmentation 111
M. Thoennessen, S. Yokoyama, A. Azhari, T. Baumann, J. A. Brown, A. Galonsky, P. G. Hansen, J. H. Kelley, R. A. Kryger, E. Ramakrishnan, and P. Thirolf

Isoscalar spin excitation in ^{90}Zr and ^{208}Pb 118
C. Djalali, M. Morlet, N. Marty, J. Van de Wiele, A. Willis, F. T. Baker, L. Bimbot, C. Glashausser, J. Guillot, H. Langevin-Joliot, L. Rosier, and E. Tomasi-Gustafsson

Role of octupole-octupole interaction in neutron-rich $^{108-114}$Pd isotopes 129
Arti Pandoh, Rani Devi, and S. K. Khosa

Microscopic description of high-spin states: Quantum-number projections of the cranked Hartree-Fock-Bogoliubov self-consistent solution 135
K. Enami, K. Tanabe, and N. Yoshinaga

Pseudospin symmetry in Zr and Sn isotopes from the proton drip line to the neutron drip line 154
J. Meng, K. Sugawara-Tanabe, S. Yamaji, and A. Arima

Doorway concept at high excitation energy 164
E. Persson and I. Rotter

Deformed-Skyrme-Hartree-Fock calculation of Hg isotopes 172
Yao-song Shen, XiaoFeng Zhu, and Zhongzhou Ren

Canonical treatment of fluctuations and random phase approximation correlations at finite temperature 185
N. Canosa, R. Rossignoli, and P. Ring

Spontaneous and dynamical breaking of mean field symmetries in the proton-neutron quasiparticle random phase approximation and the description of double β decay transitions 194
Osvaldo Civitarese, Peter O. Hess, Jorge G. Hirsch, and Marta Reboiro

Importance of the hexadecapole-hexadecapole interaction 200
E. D. Davis, B. R. Barrett, and A. F. Diallo

Hyperfine anomaly of Be isotopes and anomalous large anomaly in ^{11}Be 210
T. Fujita, K. Ito, and Toshio Suzuki

Statistical properties of quasiparticle spectra in deformed nuclei 215
Xizhen Wu, Jianzhong Gu, and Akira Iwamoto

Nuclear Reactions

Quasielastic ^{12}C$(e,e'p)$ reaction at high momentum transfer 221
J. H. Morrison, H. Baghaei, W. Bertozzi, S. Gilad, J. Glickman, C. E. Hyde-Wright, N. Kalantar-Nayestanaki, R. W. Lourie, S. Penn, P. E. Ulmer, L. B. Weinstein, B. H. Cottman, L. Ghedira, E. J. Winhold, J. R. Calarco, J. Wise, P. Boberg, C. C. Chang, D. Zhang, K. Aniol, M. B. Epstein, D. J. Margaziotis, J. M. Finn, C. Perdrisat, and V. Punjabi

Neutron production in coincidence with fragments from the ^{40}Ca + H reaction at $E_{\rm lab}=357A$ and $565A$ MeV ... 233
C. Tuvè, S. Albergo, D. Boemi, Z. Caccia, C.-X. Chen, S. Costa, H. J. Crawford, M. Cronqvist, J. Engelage, L. Greiner, T. G. Guzik, C. N. Knott, A. Insolia, P. J. Lindstrom, J. W. Mitchell, R. Potenza, G. V. Russo, A. Soutoul, O. Testard, A. Tricomi, C. E. Tull, C. J. Waddington, W. R. Webber, and J. P. Wefel (TRANSPORT Collaboration)

Clusters in the photodisintegration of ^{9}Be 239
K. Shoda and T. Tanaka

New valleys of cold fission and cluster radioactivity processes from nuclei far from the β-stability line 253
O. Rodríguez, F. Guzmán, S. B. Duarte, O. A. P. Tavares, F. García, and M. Gonçalves

(Continued)