PHYSICAL REVIEW C **THIRD SERIES, VOLUME 54, NUMBER 4** **OCTOBER 1996**

First observation of nonyrast levels in ^{103}Zr and level systematics of $N = 63$ Sr, Zr, and Mo isotones 1592
G. Lhersonneau, P. Dendooven, A. Honkanen, M. Huhta, M. Oinonen, H. Penttilä, J. Äystö, J. Kurpeta, J. R. Persson, and A. Popov

Smooth termination of intruder bands in $^{109}_{51}$Sb 1598
H. Schnare, D. R. LaFosse, D. B. Fossan, J. R. Hughes, P. Vaska, K. Hauschild, I. M. Hibbert, R. Wadsworth, V. P. Janzen, D. C. Radford, S. M. Mullins, C. W. Beausang, E. S. Paul, J. DeGraaf, I.-Y. Lee, A. O. Macchiavelli, A. V. Afanasjev, and I. Ragnarsson

Single-particle states in $^{149}_{66}$Dy$_{83}$ at high spin 1610
M. Gupta, Pragya Das, S. B. Patel, R. K. Bhowmik, T. Werner, and Y. A. Akovali

Self-consistent calculations of Be isotopes 1617
X. Li and P.-H. Heenen

Path integral variational methods for strongly correlated systems 1622
T. S. Walhout, R. Cenni, A. Fabrocini, and S. Fantoni

Realistic shell-model calculations for neutron deficient Sn isotopes 1636
F. Andreozzi, L. Coraggio, A. Covello, A. Gargano, T. T. S. Kuo, Z. B. Li, and A. Porrino

Realistic collective nuclear Hamiltonian 1641
Marianne Dufour and Andrés P. Zuker

^{114}Ru in axial and nonaxial microscopic frameworks 1661
Rani Devi and S. K. Khosa

Strength functions and spreading widths of simple shell model configurations 1665
Njema Frazier, B. Alex Brown, and Vladimir Zelevinsky

Nearest neighbor spacing distributions of low-lying levels of vibrational nuclei 1675
A. Y. Abul-Magd and M. H. Simbel

Nuclear Reactions

Radial flow in ^{40}Ar+^{45}Sc reactions at $E=35-115$ MeV/nucleon 1681
R. Pak, D. Craig, E.E. Gualtieri, S. A. Hannuschke, R. A. Lacey, J. Lauret, W. J. Llope, N. T. B. Stone, A. M. Vander Molen, G. D. Westfall, and J. Yee

Total hadronic photoabsorption cross section on nuclei in the nucleon resonance region 1688
N. Bianchi, V. Muccifora, E. De Sanctis, A. Fantoni, P. Levi Sandri, E. Polli, A. R. Reolon, P. Rossi, M. Anghinolfi, P. Corvisiero, M. Ripani, M. Sanzone, M. Taiuti, and A. Zucchiatti

Total reaction and $2n$-removal cross sections of $20-60A$ MeV ^{4,6,8}He, $^{6-9,11}$Li, and ^{10}Be on Si 1700
R. E. Warner, R. A. Patty, P. M. Voyles, A. Nadasen, F. D. Becchetti, J. A. Brown, H. Esbensen, A. Galonsky, J. J. Kolata, J. Kruse, M. Y. Lee, R. M. Ronningen, P. Schwandt, J. von Schwarzenberg, B. M. Sherrill, K. Subotic, J. Wang, and P. Zecher

Isospin dependence of intermediate mass fragment production in heavy-ion collisions at $E/A=55$ MeV 1710
J. F. Dempsey, R. J. Charity, L. G. Sobotka, G. J. Kunde, S. Gaff, C. K. Gelbke, T. Glasmacher, M. J. Huang, R. C. Lemmon, W. G. Lynch, L. Manduci, L. Martin, M. B. Tsang, D. K. Agnihotri, B. Djerroud, W. U. Schröder, W. Skulski, J. T̃oke, and W. A. Friedman

Limitation of the fusion cross section for the ^{12}C+^{11}B system at $E_{\text{c.m.}}=36.5$ and 41.7 MeV 1720
M. Kistryn, L. Jarczyk, B. Kamys, A. Magiera, Z. Rudy, A. Strzałkowski, R. Barnà, V. D'Amico, D. De Pasquale, A. Italiano, and M. Licandro

The $\vec{d}p\rightarrow{}^3\text{He}\pi^0$ reaction near threshold 1732
V. N. Nikulin, A. Boudard, M. Clajus, B. Fabbro, M. Garçon, R. S. Kessler, L. K. Lytkin, B. Mayer, B. M. K. Nefkens, F. Plouin, J. Poitou, E. Tomasi-Gustafsson, W. T. H. van Oers, D. White, and C. Wilkin

Differential cross sections for neutrino scattering on ^{12}C 1741
E. Kolbe

Reaction mechanism coexistence in the 123 MeV ^{19}F+^{56}Fe reaction 1749
A. Brondi, M. Kildir, G. La Rana, R. Moro, E. Vardaci, S. Pirrone, F. Porto, S. Sambataro, G. Politi, and P. Figuera

(Continued)