List of Neutron Wall publications

Peer-reviewed Articles

[1] Ö. Skeppstedt et al., *The EUROBALL Neutron Wall – design and performance tests of neutron detectors*, Nucl. Instr. and Meth. A 421 (1999) 531, URL http://dx.doi.org/10.1016/S0168-9002(98)01208-X.

[2] D. Rudolph et al., *Gamma-decay lifetime measurements in the second minimum of ^{58}Cu*, Phys. Rev. C 63 (2001) 021301, URL http://dx.doi.org/10.1103/PhysRevC.63.021301.

[3] C. Fahlander et al., *Excited states in ^{103}Sn: Neutron single-particle energies with respect to ^{100}Sn*, Phys. Rev. C 63 (2001) 021307, URL http://dx.doi.org/10.1103/PhysRevC.63.021307.

[4] G. de Angelis et al., *Coulomb energy differences between isobaric analogue states in ^{70}Br and ^{70}Se: Identification of excited states of the $T_z = 0$ nucleus ^{70}Br*, Eur. Phys. J. A 12 (2001) 51, URL http://dx.doi.org/10.1007/s100500170038.

[5] S. M. Lenzi et al., *Coulomb energy differences in $T = 1$ mirror rotational bands in ^{50}Fe and ^{50}Cr*, Phys. Rev. Lett. 87 (2001) 122501, URL http://dx.doi.org/10.1103/PhysRevLett.87.122501.

[6] D. Rudolph et al., *The lifetime of the proton-decaying 8915 keV state in ^{58}Cu*, Nucl. Phys. A 694 (2001) 132, URL http://dx.doi.org/10.1016/S0375-9474(01)00991-5.

[7] K. Lagergren et al., *Evidence for excited states in ^{95}Ag*, Eur. Phys. J. A 14 (2002) 393, URL http://dx.doi.org/10.1140/epja/i2002-10049-1.

[8] D. Sohler et al., *Neutron excitations across the $N = 50$ shell gap in ^{102}In*, Nucl. Phys. A 708 (2002) 181, URL http://dx.doi.org/10.1016/S0375-9474(02)01014-X.

[9] E. Farnea et al., *Isospin mixing in the $N = Z$ nucleus ^{64}Ge*, Phys. Lett. B 551 (2003) 56, URL http://dx.doi.org/10.1016/S0370-2693(02)03022-8.

[10] D. Sohler et al., *First identification of excited states in the $T_{z=1/2}$ nucleus ^{93}Pd*, Eur. Phys. J. A 19 (2004) 169, URL http://dx.doi.org/10.1140/epja/i2003-10180-5.

[11] J. Ljungvall, M. Palacz, and J. Nyberg, *Monte Carlo simulations of the Neutron Wall detector system*, Nucl. Instr. and Meth. A 528 (2004) 741, URL http://dx.doi.org/10.1016/j.nima.2004.05.032.

[12] O. Izotova et al., *Survey of E1 transitions in the mass $A\sim60$ region*, Phys. Rev. C 69 (2004) 37303, URL http://dx.doi.org/10.1103/PhysRevC.69.037303.

[13] A. Blazhev et al., *Observation of a core-excited E4 isomer in ^{98}Cd*, Phys. Rev. C 69 (2004) 64304, URL http://dx.doi.org/10.1103/PhysRevC.69.064304.

[14] D. Sohler et al., *Maximally aligned states in the proton drip line nucleus ^{106}Sb*, Nucl. Phys. A 753 (2005) 251, URL http://dx.doi.org/10.1016/j.nuclphysa.2005.02.153.

[15] M. Bentley et al., *High-spin spectroscopy of natural and unnatural parity states in the mirror-pair $^{45}V/^{45}Ti$*, Phys. Rev. C 73 (2006) 024304, URL http://dx.doi.org/10.1103/PhysRevC.73.024304.

[16] A. Gadea et al., *Observation of ^{54}Ni: Cross-Conjugate Symmetry in $f_{7/2}$ Mirror Energy Differences*, Phys. Rev. Lett. 97 (2006) 152501, URL http://dx.doi.org/10.1103/PhysRevLett.97.152501.

[17] K. Andgren et al., *Low-spin collective behavior in the transitional nuclei $^{86,88}Mo$*, Phys. Rev. C 76 (2007) 014307, URL http://dx.doi.org/10.1103/PhysRevC.76.014307.

[18] A. Chatterjee et al., *1n and 2n transfer with the borromean nucleus ^{6}He near the Coulomb barrier*, Phys. Rev. Lett. 101 (2008) 032701, URL http://dx.doi.org/10.1103/PhysRevLett.101.032701.

[19] A. Lemasson et al., *Reactions with the double-Borromean nucleus ^{8}He*, Phys. Rev. C 82 (2010) 044627, URL http://dx.doi.org/10.1103/PhysRevC.82.044617.

[20] A. Lemasson et al., *Pair and single neutron transfer with Borromean ^{8}He*, Phys. Lett. B 697 (2011) 454 , URL http://dx.doi.org/10.1016/j.physletb.2011.02.038.

[21] B. Cederwall et al., *Evidence for a Spin-Aligned Neutron-Proton Paired Phase from the Level Structure of ^{92}Pd*, Nature (469) (2011) 68, URL http://dx.doi.org/10.1038/nature09644.

[22] M. Palacz et al., *$N = 50$ core excited states studied in the $^{96}_{46}Pd_{50}$ nucleus*, Phys. Rev. C 86 (2012) 014318, URL http://dx.doi.org/10.1103/PhysRevC.86.014318.

Peer-reviewed Articles in Conference Proceedings

[1] M. Palacz et al., *Investigations of neutron deficient nuclei close to ^{100}Sn with EUROBALL*, Acta Physica Polonica B 32 (2001) 999.

[2] A. Gadea et al., *Spectroscopy of heavy $N = Z$ nuclei with GASP and EUROBALL*, Acta Physica Polonica B 34 (2003) 2429.

[3] J. Ljungvall, M. Palacz, and J. Nyberg, *A Monte Carlo simulation of the EUROBALL Neutron Wall detector system: how to identify scattered neutrons*, Acta Physica Polonica B 34 (2003) 2453.

[4] M. Assie et al., *Neutron correlations in ^{6}He viewed through nuclear break-up*, Eur. Phys. J. A 42 (2009) 441, URL http://dx.doi.org/10.1140/epja/i2009-10787-4, 5th International Conference on Exotic Nuclei and Atomic Masses (ENAM'08), Ryn, POLAND, SEP 07-13, 2008.

[5] M. Assie et al., *Neutron Correlations in ^{6}He Viewed Through Nuclear Break-up*, Mod. Phys. Lett. A 25 (2010) 1846, URL http://dx.doi.org/10.1142/S0217732310000460, International Symposium on Forefronts of Researches in Exotic Nuclear Structures, Tokamachi, Japan, Mar 01-04, 2010.

[6] M. Palacz et al., *Odd-parity ^{100}Sn Core Excitations*, Acta Phys. Pol. B (2013), in print.