

PUBLICATIONS DURING 2001

HEAVY-ION NUCLEAR PHYSICS RESEARCH

Rotational Bands in the Proton Emitter ^{141}Ho

D. Seweryniak, P. J. Woods, J. J. Ressler, C. N. Davids, A. Heinz, A. A. Sonzogni, J. Uusitalo, W. B. Walters, J. A. Caggiano, M. P. Carpenter, J. A. Cizewski, T. Davinson, K. Y. Ding, N. Fotiades, U. Garg, R. V. F. Janssens, T. L. Khoo, F. G. Kondev, T. Lauritsen, C. J. Lister, P. Reiter, J. Shergur, and I. Wiedenhöver

Phys. Rev. Lett. **86**, 1458-1461 (2001)

Baryon Rapidity Loss in Relativistic Au + Au Collisions

B. B. Back, R. R. Betts, J. Chang, W. C. Chang, C. Y. Chi, Y. Y. Chu, J. B. Cumming, J. C. Dunlop, W. Eldredge, S. Y. Fung, R. Ganz, E. Garcia, A. Gillitzer, G. Heintzelman, W. F. Henning, D. J. Hofman, B. Holzman, J. H. Kang, E. J. Kim, S. Y. Kim, Y. Kwon, D. McLeod, A. C. Mignerey, M. Moulson, V. Nanal, C. A. Ogilvie, R. Pak, A. Ruangma, D. E. Russ, R. K. Seto, P. J. Stanskas, G. S. F. Stephans, H. Q. Wang, F. L. H. Wolfs, A. H. Wuosmaa, H. Xiang, G. H. Xu, H. B. Yao, and C. M. Zou

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A. Korichi, A. N. Wilson, F. Hannachi, A. Lopez-Martens, M. Rejmund, C. Schück, Ch. Vieu, G. Chmel, A. Görzen, H. Hübel, D. Rossbach, S. Schönwasser, M. Bergström, B. M. Nyakó, J. Timár, D. Bazzacco, S. Lunardi, C. Rossi-Alvarez, P. Bednarczyk, N. Kintz, S. Naguleswaran, A. Astier, D. M. Cullen, J. F. Sharpey-Schafer, T. Lauritsen, and R. Wadsworth

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$S_{17}(0)$ Determined from the Coulomb Breakup of 83 MeV/Nucleon ^8B

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Magic Nucleus ^{132}Sn and Its One-Neutron-Hole Neighbor ^{131}Sn

P. Bhattacharyya, P. J. Daly, C. T. Zhang, Z. W. Grabowski, S. K. Saha, R. Broda, B. Fornal, I. Ahmad, D. Seweryniak, I. Wiedenhöver, M. P. Carpenter, R. V. F. Janssens, T. L. Khoo, T. Lauritsen, C. J. Lister, P. Reiter, and J. Blomqvist

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I. Ahmad, J. C. Banar, J. A. Becker, D. S. Gemmell, A. Kraemer, A. Mashayekhi, D. P. McNabb, G. G. Miller, E. F. Moore, L. N. Pangault, R. S. Rundberg, J. P. Schiffer, S. D. Shastri, T. F. Wang, and J. B. Wilhelmy

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Ratios of Charged Antiparticles-to-Particles Near Mid-Rapidity in Au + Au Collisions at $\sqrt{S_{NN}} = 130$ GeV

B. B. Back *et al.* (PHOBOS Collaboration)
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Alignment Delays in the $N = Z$ Nuclei ^{72}Kr , ^{76}Sr and ^{80}Zr

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J. R. Cooper, R. Krücken, C. W. Beausang, J. R. Novak, A. Dewald, T. Klug, G. Kemper, P. von Brentano, M. P. Carpenter, R. V. F. Janssens, C. J. Lister, and I. Wiedenhöver
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I. Wiedenhöver, A. H. Wuosmaa, R. V. F. Janssens, C. J. Lister, M. P. Carpenter, H. Amro, P. Bhattacharyya, B. A. Brown, J. Caggiano, M. Devlin, A. Heinz, F. G. Kondev, T. Lauritsen, D. G. Sarantites, S. Siem, L. G. Sobotka, and A. Sonzogni
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R. M. Clark, P. Fallon, A. Gorgen, M. Cromaz, M. A. Deleplanque, R. M. Diamond, G. J. Lane, I. Y. Lee, A. O. Macchiavelli, R. G. Ramos, F. S. Stephens, C. E. Svensson, K. Vetter, D. Ward, M. P. Carpenter, R. V. F. Janssens, and R. Wadsworth
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Superdeformation in the Doubly Magic Nucleus $^{40}_{20}\text{Ca}_{20}$

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Band Structure of ^{68}Ge

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Identification of Excited States in ^{117}Cs : Systematics of the $\nu(h_{11/2})^2$ Alignment

J. F. Smith, V. Medina-Chico, C. J. Chiara, D. B. Fossan, G. J. Lane, J. M. Sears, I. Thorslund, H. Amro, C. N. Davids, R. V. F. Janssens, D. Seweryniak, I. M. Hibbert, R. Wadsworth, I. Y. Lee, and A. O. Macchiavelli

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Few Particle Excitations of $N=83$ Isotones ^{134}Sb and ^{135}Te from ^{248}Cm Fission

B. Fornal, R. Broda, P. J. Daly, P. Bhattacharyya, C. T. Zhang, Z. W. Grabowski, I. Ahmad, D. Seweryniak, I. Wiedenhöver, M. P. Carpenter, R. V. F. Janssens, T. L. Khoo, T. Lauritsen, C. J. Lister, P. Reiter, and J. Blomqvist

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$^{12}\text{C} + ^{12}\text{C}$ and $^{16}\text{O} + ^8\text{Be}$ Decay of ^{24}Mg States Populated in the $^{12}\text{C}(^{20}\text{Ne}, ^{24}\text{Mg}^*)^8\text{Be}$ Reaction

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Proton Radioactivity of ^{117}La

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Excited States in ^{155}Yb and $^{155,156,157}\text{Lu}$ from Recoil-Decay Tagging

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Yrast Three-Quasiparticle K -Isomers in Neutron-Rich ^{181}Hf

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Phys. Rev. C **64**, 054309/1-6 (2001)

Yrast Excitations in $N = 81$ Nuclei ^{132}Sb and ^{133}Te from ^{248}Cm Fission

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Lifetime of the 21.8-keV State in ^{98}Tc

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Preparation of Thin Plastic Conductive Foils for Use in a Position-Sensitive Micro-Channel Plate
Detector System

John P. Greene, Christopher J. Lister, Peter Reiter, George E. Thomas, and Keri L. Unterzuber
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Silicon Pad Detectors for the PHOBOS Experiment at RHIC

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**OPERATION AND DEVELOPMENT OF ATLAS
and
R & D RELATED TO A FUTURE ADVANCED EXOTIC BEAM FACILITY**

Simultaneous Acceleration of Multiply-Charged Ions Through a Superconducting Linac

P. N. Ostroumov, R. C. Pardo, G. P. Zinkann, K. W. Shepard, and J. A. Nolen

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