

HEAVY-ION NUCLEAR PHYSICS RESEARCH

Significance of the Fragmentation Region in Ultrarelativistic Heavy-Ion Collisions

B. B. Back *et al.*

Phys. Rev. Lett. **91**, 052303/1-4 (2003)

Centrality Dependence of Charged-Hadron Transverse-Momentum Spectra in $d + \text{Au}$ Collisions

at $\sqrt{s_{NN}} = 200 \text{ GeV}$

B. B. Back *et al.* (PHOBOS Collaboration)

Phys. Rev. Lett. **91**, 072302/1-4 (2003)

A Composite Chiral Pair of Rotational Bands in the Odd- A Nucleus ^{135}Nd

S. Zhu, U. Garg, B. K. Nayak, S. S. Ghugre, N. S. Pattabiraman, D. B. Fossan, T. Koike, K. Starosta, C. Vaman, R. V. F. Janssens, R. S. Chakrawarthy, M. Whitehead,

A. O. Macchiavelli, and S. Frauendorf

Phys. Rev. Lett. **91**, 132501/1-4 (2003)

$N = 82$ Shell Quenching of the Classical r -Process “Waiting-Point” Nucleus ^{130}Cd

I Dillmann, K.-L. Kratz, A. Wöhr, O. Arndt, B. A. Brown, P. Hoff, M. Hjorth-Jensen,

U. Köster, A. N. Ostrowski, B. Pfeiffer, D. Seweryniak, J. Shergur, W. B. Walters, and the ISOLDE Collaboration

Phys. Rev. Lett. **91**, 162503/1-4 (2003)

Multiphonon Vibrations at High Angular Momentum in ^{182}Os

L. K. Pattison, D. M. Cullen, J. F. Smith, A. M. Fletcher, P. M. Walker, H. M. El-Masri,

Zs. Podolyák, R. J. Wood, C. Scholey, C. Wheldon, G. Mukherjee, D. Balabanski,

M. Djongolov, Th. Dalsgaard, H. Thisgaard, G. Sletten, F. Kondev, D. Jenkins, G. J. Lane,

I.-Y. Lee, A. O. Macchiavelli, S. Frauendorf, and D. Almeded

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C. L. Jiang *et al.* Reply

C. L. Jiang, H. Esbensen, K. E. Rehm, B. B. Back, R. V. F. Janssens, J. A. Caggiano,

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Doorway States in the Gamma Decay-Out of the Yrast Superdeformed Band in ^{59}Cu

C. Andreoiu, T. Døssing, C. Fahlander, I. Ragnarsson, D. Rudolph, S. Åberg, R. A. E. Austin,

M. P. Carpenter, R. M. Clark, R. V. F. Janssens, T. L. Khoo, F. G. Kondev, T. Lauritsen,

T. Rodinger, D. G. Sarantites, D. Seweryniak, T. Steinhardt, C. E. Svensson, O. Thelen, and

J. C. Waddington

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Determination of the ^8B Neutrino Spectrum

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Limits of the Energy-Spin Phase Space Beyond the Proton Drip Line: Entry Distributions of Pt and Au Isobars

M. B. Smith, J. A. Cizewski, M. P. Carpenter, F. G. Kondev, T. L. Khoo, T. Lauritsen, R. V. F. Janssens, K. Abu Saleem, I. Ahmad, H. Amro, M. Danchev, C. N. Davids, D. J. Hartley, A. Heinz, C. J. Lister, W. C. Ma, G. L. Poli, J. J. Ressler, W. Reviol, L. L. Riedinger, D. Seweryniak, and I. Wiedenhöver
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α -Decay Branching Ratios of Near-Threshold States in ^{19}Ne and the Astrophysical Rate of $^{15}\text{O}(\alpha,\gamma)^{19}\text{Ne}$

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A Prerequisite for Exacting Tests of the Standard Model

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T. A. Sienko, C. J. Lister, and R. A. Kaye

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Branching Ratio $\Gamma_\alpha/\Gamma_\gamma$ of the 4.033 MeV $3/2^+$ State in ^{19}Ne

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Rotational Structures Near $40\hbar$ in ^{123}La

H. I. Park, D. J. Hartley, L. L. Riedinger, W. Reviol, O. Zeidan, Jing-Ye Zhang, A. Galindo-Uribarri, R. V. F. Janssens, M. P. Carpenter, D. Seweryniak, D. G. Sarantites, M. Devlin, B. G. Dong, and I. Ragnarsson
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Mark D. Baker for the PHOBOS Collaboration
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Peter A. Steinberg for the PHOBOS Collaboration
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Identified Particles in Au + Au Collisions at $\sqrt{S_{NN}} = 200$ GeV

Barbara Wosiek for the PHOBOS Collaboration

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Steven Manly for the PHOBOS Collaboration

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Christof Roland for the PHOBOS Collaboration

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The Branching Ratio $\Gamma_{\alpha}/\Gamma_{\gamma}$ of the 4.033 MeV State in ^{19}Ne

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Counting ^{44}Ti Nuclei from the $^{40}\text{Ca}(\alpha,\gamma)^{44}\text{Ti}$ Reaction

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Study of the ^8B Neutrino Spectrum with a New Technique

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Recoil Separators

Cary N. Davids

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Vladimir Zelevinsky and Alexander Volya

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**OPERATION AND DEVELOPMENT OF ATLAS
and
R & D RELATED TO A FUTURE RARE ISOTOPE ACCELERATOR
FACILITY**

Superconducting Resonator Used as a Beam Phase Detector

S. I. Sharamentov, R. C. Pardo, P. N. Ostroumov, B. E. Clift, and G. P. Zinkann
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MEDIUM-ENERGY NUCLEAR PHYSICS RESEARCH

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T.-A. Shibata on behalf of the HERMES Collaboration

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B. Seitz on behalf of the HERMES Collaboration

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