

## 1999 PUBLICATIONS

*Publications and invited talks by non-NSCL scientists which are based in whole or in part on experimental work at the NSCL are tagged with the symbol #.*

### PAPERS

#### (a) Physical Review Letters

1-Forbidden M1 Transition in  $^{32}\text{S}$  and Delta Isobar Contributions to the Quenching of Spin Matrix Elements in Nuclei; B. Reitz, P. von Neumann-Cosel, F. Neumeyer, C. Rangacharyulu, A. Richter, G. Schrieder, D.I. Sober, and B.A. Brown, Phys. Rev. Lett. **82**(1999)291

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Disappearance of the Isospin Dependence of Multifragment Production; M.L. Miller, O. Bjarki, D.J. Magestro, R. Pak, N.T.B. Stone, M.B. Tonjes, A.M. Vander Molen, G.D. Westfall, and W.A. Friedman, Phys. Rev. Lett. **82**(1999)1399

Chaotic Wave Functions and Exponential Convergence of Low-Lying Energy Eigenvalues; M. Horoi, A. Volya, and V. Zelevinsky, Phys. Rev. Lett. **82**(1999)2064

Inverse Kinematics Proton Scattering on  $^{18}\text{Ne}$  and Mirror Symmetry in  $A=18$  Nuclei; L.A. Riley, J.K. Jewell, P.D. Cottle, T. Glasmacher, K.W. Kemper, N. Alamanos, Y. Blumenfeld, J.A. Carr, M.J. Chromik, R.W. Ibbotson, F. Maréchal, W.E. Ormand, F. Petrovich, H. Scheit, and T. Suomijärvi, Phys. Rev. Lett. **82**(1999)4196

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Radiation Corrections Increase Tunneling Probability; V.V. Flambaum and V.G. Zelevinsky, Phys. Rev. Lett. **83**(1999)3108

Lambda-Proton Correlations in Relativistic Heavy Ion Collisions; F. Wang and S. Pratt, Phys. Rev. Lett. **83**(1999)3138

#### (b) Physics Letters B

Direct Observation of the Inversion of Flow; R.C. Lemmon, M.B. Tsang, W. Trautmann, R.J. Charity, J.F. Dempsey, J. Dinius, W. Dünnweber, S. Gaff, C.K. Gelbke, M.J. Huang, G.J. Kunde, W.G. Lynch, L. Manduci, R. Popescu, R. Ronningen, L.G. Sobotka, L. Weathers, and D. White, Phys. Lett. **B446**(1999)197

Proton Scattering on the Radioactive Nucleus  $^{200}\text{O}$  and the  $0(\text{gs})^+ \rightarrow 2(1)^+$  Transition in the Neutron-Rich Oxygen Isotopes; J.K. Jewell, L.A. Riley, P.D. Cottle, K.W. Kemper, T. Glasmacher, R.W. Ibbotson,

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Odd-Even Z Isospin Anomaly in Heavy-Ion Reactions; L.B. Yang, E. Norbeck, W.A. Friedman, O. Bjarki, F. D. Ingram, R.A. Lacey, D.J. Magestro, M.L. Miller, A. Nadasen, R. Pak, N.T.B. Stone, A.M. Vander Molen, G.D. Westfall, and S.J. Yennello, Phys. Rev. **C60**(1999) 041602

### (d) Physical Review C

Population of  $^{10}\text{Li}$  by Fragmentation; 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, Phys. Rev. **C59**(1999)111

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$\beta$  Decay of  $^{97}\text{Ag}$ : Evidence for the Gamow-Teller Resonance near  $^{100}\text{Sn}$ ; Z. Hu, L. Batist, J. Agramunt, A. Algora, B.A. Brown, D. Cano-Ott, R. Collatz, A. Gadea, M. Gierlik, M. Górska, H. Grawe, M. Hellström, Z. Janas, M. Karny, R. Kirchner, F. Moroz, A. Pochocki, M. Rejmund, E. Roeckl, B. Rubio, M. Shibata, J. Szerypo, J.L. Tain, and V. Wittmann, Phys. Rev. **C60**(1999)024315

Core-Polarization Contribution to the Nuclear Anapole Moment; N. Auerbach and B.A. Brown, Phys. Rev. **C60**(1999)025501

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#### (e) Nuclear Physics A

Isovector Giant Resonances in  $^6\text{He}$ ,  $^{12}\text{B}$ ,  $^{90}\text{Y}$ ,  $^{120}\text{In}$ , and  $^{208}\text{Tl}$  Observed in the ( $^7\text{Li}, ^7\text{Be}$ ) Charge-Exchange Reaction; T. Annakkage, J. Jänecke, J.S. Winfield, G.P.A. Berg, J.A. Brown, G. Crawley, S. Danczyk, M. Fujiwara, D.J. Mercer, K. Pham, D.A. Roberts, J. stasko, and G.H. Yoo, *Nucl. Phys. A* **648**(1999)3

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(f) Nuclear Instruments and Methods

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