

Selected Publications

Andrew S. Voyles

June 6, 2023

N. Burahmah, J.R. Griswold, L.H. Heilbronn, L.A. Bernstein, **A.S. Voyles**, J.T. Morrell, M. Zach, and R. Copping, *²²⁹Pa cross section measurements via deuteron irradiation of ²³²Th*. *Physical Review C* (submitted 2023).

Denise Neudecker, C. Romano, Nathan A. Gibson, Robert C. Little, Lee Bernstein, R. Bostelmann, D. Brown, R.J. Casperson, Stephen Croft, S. Dewji, L. Greenwood, P. Griffin, L. Kyriazidis, A. Lewis, M. Pigni, B. Pritychenko, B. Rearden, J. Ressler, T. Slaba, M. Smith, V. Sobes, A. Sonzogni, Scott A. Vander Wiel, N. Vassh, **A. Voyles**, and K. Wendt, *5–10 Years Cross-cutting Priorities on the Topic of Nuclear Data Covariances and Uncertainty Quantification for Users*. Technical Report LA-UR-22-32080 (2023). <https://doi.org/10.2172/1958970>

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Andrew S. Voyles, Morgan B. Fox, Jonathan T. Morrell, Michael P. Zach, Evan K. Still, Lee A. Bernstein, Wesley D. Frey, and Burton J. Mehciz, *Preparation and Characterization of Thin Arsenic Targets for Stacked-Target Experiments*. *Nuclear Instruments and Methods in Physics Research B*, (in preparation). <https://arxiv.org/abs/2106.05524>

Jonathan T. Morrell, **Andrew S. Voyles**, Jon C. Batchelder, Joshua A. Brown, and Lee A. Bernstein, *Secondary Neutron Production from Thick Target Deuteron Breakup*. *Physical Review C* (submitted 2022). <https://arxiv.org/abs/2212.00218>

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Sarah Stevenson, Andrew Dong, Yujun Xie, Jon Morrell, **Andrew S. Voyles**, Jeff Bickel, Lee Bernstein, S.A. Maloy, and Peter Hosemann, *The effects of high energy deuteron ion beam irradiation on the tensile behavior of HT-9*. *Nuclear Instruments and Methods in Physics Research B*, **531** (2022) 65–73. <https://doi.org/10.1016/j.nimb.2022.09.001>

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Stephan Friedrich, Geon-Bo Kim, Dongwon Lee, J. Ad Hall, Robin Cantor, **Andrew Voyles**, Ruslan Hummatov, and Stephen P.T. Boyd, *Ultra-High Resolution Magnetic Microcalorimeter Gamma-Ray Detectors for Non-Destructive Assay of Uranium and Plutonium*. Journal of Nuclear Materials Management, **49** (2021), 114–122.

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