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EDUCATION AND WORK EXPERIENCE

Tennessee Technological University	Cookeville, TN
Assistant Professor	2014 - Present
Indiana University	Bloomington, IN
Postdoctoral Fellow	2012 - 2014
North Carolina State University	Raleigh, NC
Ph.D. Nuclear/Particle Physics	May 2012
Dissertation: Ultracold Neutron Polarimetry in a Measurement of the β Asymmetry	
Advisor: Albert Young	

RESEARCH PROJECTS

- Investigation of Ultracold Neutron (UCN) Spin Dynamics
- UCN τ : Measurement of the Neutron Lifetime using UCN Confined in a Magneto-Gravitational Trap
- Searches for Exotic Spin-Dependent Interactions of Slow Neutrons with Matter
- A Low-Energy Proton Accelerator for Undergraduate Education in Nuclear Physics

SELECTED PUBLICATIONS

D. J. Salvat et al. Storage of Ultracold Neutrons in the UCN τ Magneto-Gravitational Trap. *Phys. Rev. C* 89, 052501(R) (2014).

M. P. Mendenhall, R. W. Pattie Jr. et al. Precision Measurement of the Neutron β -Decay Asymmetry. *Phys. Rev. C* 87, 032501(R) (2013).

Alexander Saunders, Mark Makela et al. Performance of the Los Alamos National Laboratory spallation-driven solid-deuterium ultra-cold neutron source. *Rev. Sci. Instrum.* 84, 013304 (2013).

B. Plaster et al. Measurement of the Neutron β -asymmetry Parameter A_0 with Ultracold Neutrons. *Phys. Rev. C* 86, 055501 (2012).

A. T. Holley et al. A High-Field Adiabatic Fast Passage Ultracold Neutron Spin Flipper for the UCNA Experiment. *Rev. Sci. Instrum.* 83, 073505 (2012).

J. Liu, M. P. Mendenhall, A. T. Holley et al. Determination of the Axial-Vector Weak Coupling Constant with Ultracold Neutrons. *Phys. Rev. Lett.* 105, 181803 (2010).