

Abstract Submitted
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Precision neutron flux measurements and applications using the Alpha Gamma device¹ EAMON ANDERSON, Indiana University — The Alpha Gamma device [1] is a totally-absorbing ^{10}B neutron detector designed to measure the absolute detection efficiency of a thin-film lithium neutron monitor on a monoenergetic neutron beam. The detector has been shown to measure neutron fluence with an absolute accuracy of 0.06[1] D. M. Gilliam, G. L. Greene, and G. P. Lamaze, Nucl. Instrum. Methods A 284, 220 (1989) [2] A.T. Yue et al, Phys. Rev. Lett. 111, 222501 (2013) [3] <http://arxiv.org/abs/1410.5311>

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