

Abstract Submitted
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Testing the Large-area multi-Institutional Scintillator Array (LISA) Neutron Detector¹ T.B. NAGI, Hope College, K.M. RETHMAN, K.A. PURTELL, A.J. HAAGSMA, Central Michigan University, C. DEROO, M. JACOBSON, Concordia College, S. KUHN, A.R. PETERS, M. NDONG, S.A. STEWART, Z. TORSTRICK, Indiana University South Bend, R. ANTHONY, H. CHEN, A. HOWE, Ohio Wesleyan University, N.S. BADGER, M.D. MILLER, Rhodes College, B.J. FOSTER, L.C. RICE, C. VEST, Wabash College, A.B. AULIE, A. GROVOM, L. ELLIOT, P. KASAVAN, Westmont College — The 144 detector modules comprising the Large-area multi-Institutional Scintillator Array (LISA) neutron detector were tested at each of the nine primarily undergraduate institutions. Each module is a 200 cm by 10 cm by 10 cm bar of EJ-200 organic plastic scintillator with a photomultiplier tube mounted on each end. We used cosmic rays both to ensure that each module was light tight as well as to characterize position and time resolution. In addition, we measured each module's light attenuation using gamma sources. Results will be presented.

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