

Abstract Submitted
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The Ultracold Neutron Source at Los Alamos National Lab M. MAKELA, G. HOGAN, C.L. MORRIS, A. SAUNDERS, S. SEESTROM, T.M. ITO, LANL, R. RIOS, ISU, R. MAMMEI, R.B. VOGELAAR, VT, H.O. BACK, L. BROUSSARD, A. HOLLEY, R. PATTIE, A.R. YOUNG, NCSU, UCNA COLLABORATION — The Ultracold Neutron (UCN) source at Los Alamos National Lab (LANL) has completed a second run cycle of operation. In the LANL UCN source spallation neutrons are cooled in a moderator then down scattered in solid deuterium (via a super thermal process) to UCN temperatures (1-4 mK). The UCN reach experiments after passing through 8 meters of guide. During the 2006 run cycle several changes were made to the source and guide system. This talk will give an overview of the LANL UCN source, its current status and results from source test runs during the 2006 run cycle.

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