

Abstract Submitted  
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**Performance of the New Los Alamos UCN Source and Implications for Future Experiments**<sup>1</sup> MARK MAKELA, Los Alamos National Lab, LANL UCN TEAM — The Los Alamos Ultracold Neutron (UCN) source was replaced during this past summer and has been commissioned during the last few months. The new source is the result of lessons learned during the 10 year operation of the first UCN source and extensive Monte Carlo analysis. The new source is a spallation driven source based on a solid deuterium UCN moderator similar the previous one. This talk will present an overview of the new source design and the results of commissioning tests. The talk will conclude with a brief overview of the implications of source performance on the neutron lifetime and LANL nEDM experiments.

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