

Abstract Submitted
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Status of the neutron Electric Dipole Moment Search at Los Alamos National Laboratory¹ AUSTIN REID, Indiana University Bloomington, NEDM@LANL COLLABORATION — A permanent neutron EDM presents an experimentally accessible measurement of beyond Standard Model physics. Further improvements on the more than a decade old nEDM upper bound have been hindered by insufficient ultracold neutron (UCN) density. The recently upgraded solid deuterium UCN source at Los Alamos National Laboratory (LANL) generates sufficient densities of stored UCN to measure nEDM at 3×10^{-27} e · cm with established technologies. This talk will present the status of the experiment and its projected timeline.

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