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New effort to develop a new nEDM experiment at LANL

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Research and development work at LANL towards a new neutron EDM experiment using the LANL UCN source with a sensitivity goal of several $\times 10^{-27}$ e-cm is currently ongoing. The initial focus of this effort was an upgrade of the UCN source and a demonstration that a sufficient number of UCN can indeed be stored in a nEDM measurement cell and was successfully completed. In this talk, the concept of the experiment and current status of this R&D will be presented.

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