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## **New effort to develop a new nEDM experiment at LANL**

*Tuesday, 17 October 2017 09:35 (20 minutes)*

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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