

PULSTAR UCN source and SFnEDM test bed

Wednesday 8 October 2025 10:30 (30 minutes)

First part of my talk will be an update on status of the PULSTAR UCN source commissioning at NC State University. Last year we verified expected thermal neutron flux with a real source assembly and tested gamma shielding. This year we are assembling source for the final installation in the thermal column enclosure. A first test of UCN production has been approved by the reactor and university safety administration and installation is planned for October, 2025. The second part of the talk will discuss testbed for the new generation of nEDM as a possible experiment for FRM-II UCN source.

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