

Challenges of the world-wide experimental search for the electric dipole moment of the neutron



Contribution ID: 57

Type: **not specified**

A UCN guide system for the future FRMII UCN source

Tuesday, 4 November 2014 15:00 (20 minutes)

Since several years a powerful UCN source is under development and construction at the FRMII reactor in Munich. In order to deliver UCN produced inside the reactor (in a solid Deuterium converter) to experiments 30m away, a dedicated UCN guide System is required.

In the last years available guide options were tested. This talk will give an overview on latest results obtained from the test of an almost full-size UCN guide prototype at ILL in summer 2014.

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Session Classification: Neutron