



Contribution ID: 49

Type: Poster

Status and results for the nEDM experiment at PSI

Wednesday, 18 October 2017 15:00 (45 minutes)

The nEDM experiment at the Paul Scherrer Institute (PSI) has finished data taking and preparations for the installation of the new n2EDM apparatus are in progress. This poster presents the best performances of the nEDM experiment in terms of the transverse spin relaxation time T_2 , the visibility α and the best statistical sensitivity per day. We also show the best performances of the Cesium and Mercury magnetometers and results of a recent measurement of a full Ramsey curve. First physics results of the 2015/16 about the limit on an oscillating EDM and the connected search for axions will be presented.

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Session Classification: Posters

Track Classification: Experimental techniques (cryogenic, room temperature, crystal)