



Contribution ID: 142

Type: Poster

UCN energy spectrum measurements using the OTUS spectrometer

Tuesday 22 October 2019 17:12 (1 minute)

The energy spectrum of ultra-cold neutrons (UCN) is an important factor in determining the systematic effects in precision measurements utilizing UCN. The oscillating ultra-cold neutron spectrometer (OTUS) is a new tool designed for monitoring the energy distribution and its time evolution in different places of the transport system connecting a UCN source with experiments. We will present the current status of the project including measurements using the oscillating spectrometer installed at the PSI UCN source.

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Session Classification: BBQ - Drinks & Posters