



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.

Primary author: ROZPEDZIK, Dagmara (Jagiellonian University)

Co-authors: LAUSS, Bernhard (Paul Scherrer Institut); ZSIGMOND, Geza (Paul Scherrer Institut); BODEK, Kazimierz (Jagiellonian University); LOJEK, Konrad (Jagiellonian University); SCHMIDT-WELLENBURG, Philipp (Paul Scherrer Institut)

Presenter: ROZPEDZIK, Dagmara (Jagiellonian University)

Session Classification: BBQ - Drinks & Posters