



Contribution ID: 40

Type: **Poster**

RESEDA - Resonant spin-echo for diverse application

Friday 9 December 2022 15:30 (1h 30m)

The neutron spin echo spectrometer RESEDA (Resonance Spin Echo for Diverse Applications) is dedicated to the exploration of slow dynamics and fluctuations in hard and soft condensed matter systems. RESEDA is located at the end position of NL5-S in the Neutron Guide Hall West. Following a major revision and upgrade, RESEDA now permits longitudinal NRSE (LNRSE) spectroscopy as well as longitudinal MIEZE (Modulation of Intensity with zero effort) operation with sub- μeV energy resolution and an unprecedented dynamic range. When operated as a MIEZE spectrometer, data may be recorded readily in depolarizing sample environments, such as very large magnetic fields. Likewise, depolarizing substances, such as ferromagnets or superconductors, strong incoherent scattering materials containing, for instance, hydrogen may be studied.

Primary authors: JOCHUM, Johanna K.; BEDDRICH, Lukas (Heinz Maier-Leibnitz Zentrum (MLZ))

Co-authors: Mr FUCHS, Christian (Heinz Maier-Leibnitz Zentrum); WILD, Peter; LEINER, Jonathan (Technical University of Munich); SOLTWEDEL, Olaf; FRANZ, Christian; PFLEIDERER, Christian

Presenter: WILD, Peter

Session Classification: Poster Session

Track Classification: Neutron Methods