



Contribution ID: 1

Type: **not specified**

Industrial Applications and Basic Research with Neutrons at the Heinz Maier Leibnitz Zentrum (MLZ)

Tuesday, 16 May 2017 20:30 (1 hour)

The Heinz Maier-Leibnitz Zentrum (MLZ) is a scientific association of the Technische Universität München (TUM) and some Helmholtz centers (Jülich Centre for Neutron Science, JCNS, and GKSS, Geesthacht) with the participation of various universities (for instance RWTH Aachen University) for studies with neutrons and positrons on hot topics from applied and basic research. The groups involved operate in total about 30 powerful instruments at the research neutron source Heinz Maier-Leibnitz (FRM II) in Garching to explore as many scientific cases as possible in physics, chemistry, biology, materials sciences and earth sciences as well as for medical applications. For the energy and information sector, the characteristics of new ionic conductors, superconductors and magnetic systems are analyzed in detail. The presentation gives an overview of the neutron source itself and some of the available tools and applications there.

Primary author: Dr MEVEN, Martin (RWTH Aachen)

Presenter: Dr MEVEN, Martin (RWTH Aachen)

Session Classification: Lectures