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Project execution by ZEA-1and lessons learned of implementing the project phases at HEiDi and other neutron scattering instruments

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The Central Institute of Engineering, Electronics and Analysys ZEA-1 of Forschungszentrum Jülich has been contributing significantly to the development of neutron scattering instruments for the Heinz Maier-Leibnitz Zentrum (MLZ/FRM II reactor) in Garching. These instruments are operated by Jülich Centre for Neutron Science (JCNS).
This talk will present the institute ZEA-1 and project execution by ZEA-1 with all project phases from project acceptance through design phase to manufacturing.
The lessons learned during implementing the project phases in a new project HEiDi -Heißes Einkristall Diffraktometer (single-crystal diffractometer) and other neutron scattering instruments will be also presented.
Single-crystal diffractometer HEiDi is placed at the beam tube SR9b in the experimental hall of FRM II. It has been developed in close collaboration between RWTH Aachen (Institut für Kristallographie) and TU München (FRM II) to cover a broad range of experiments for the structural analysis of single crystals. ZEA-1 has developed and manufactured a secondary plug for the biological shielding of HEiDi with integrated exchange mechanics for the realization of three different filter positions.

Formal Invitation Letter Required

No

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