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JULIC Neutron Platform –the HBS technology development infrastructure

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In the framework of the development of the HBS High Brilliance Neutron Source we have built the JULIC Neutron Platform with a complete neutron target station mock-up of the HBS at the pulsed JULIC cyclotron of the Institute for Nuclear Physics IKP at Forschungszentrum Jülich. It went in operation in December 2023. Despite the limited proton current of the cyclotron the facility is well suitable for technology tests and proof-of-principle experiments for accelerator-based neutron facilities. At current 6 beamlines with 3 thermal, 1 fast and 2 cold neutron beams are available. Activities regarding target development, moderator performances as well as detector testing and imaging applications have been performed partly with support of the HBS Innovationpool project.

Speed Talks

Normal

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