







The **Berlin Experimental Reactor (BER II)**, is operated by the **Helmholtz-Zentrum Berlin** für Materialien und Energie and provides cold and thermal neutrons for state-of-the-art neutron scattering experiments to investigate structure and dynamics in a broad range of materials.

Helmholtz

Zentrum Berlin

BER II offers a dedicated suite of internationally competitive instruments for diffraction, spectroscopy and imaging together with laboratory infrastructure, highly specialized sample environment and expert scientific support to the international scientific community.

- World-leading sample environment for research with neutrons
- Unique Neutron Scattering Opportunities up to 26 Tesla with the High-Field-Magnet
- Excellent neutron imaging capabilities providing a record spatial resolution less than 15 µm
- Neutron strain & stress mapping of engineering materials for industrial applications
- Unique capabilities for experiments under controlled gas atmospheres
- Dedicated suite of 10 internationally competitive instruments with innovative instrument options in user operation

http://sine2020.eu

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