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Update from the Australian Centre for Neutron Scattering

Monday, 4 November 2024 09:30 (20 minutes)

The Australian Centre for Neutron Scattering (ACNS) utilises neutrons from Australia's multi-purpose research reactor, OPAL, to solve complex research and industrial problems for Australian and international users via merit-based access and user-pays programs. The neutron beam facilities of OPAL consist of neutron beam tubes that penetrate the reflector vessel, a cold neutron source, beam shutters and neutron guides. A suite of 15 neutron beams instruments utilise both the thermal and cold neutron beams for both atomic and molecular structure determination and dynamics measurements, residual stress measurement and neutron imaging. An update will be given on the OPAL reactor and its neutron beam facilities, recent upgrades, user program, and future plans.

Topics

Neutron Instruments and Techniques

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Session Classification: Talks