

Session Program

8-9 Jul 2025



Reactor Graphite Workshop

Differential Data, Modeling and Evaluation

Berkner Hall (Bldg. 488), Room B

Tuesday 8 July

13:50

Differential Data, Modeling and Evaluation

Session | Location: Berkner Hall (Bldg. 488), Room B

13:50-14:20

Physics of Phonons in Graphite: Integrating Inelastic Neutron Scattering Measurements and First-Principles Calculations

Speaker

Iyad Al-Qasir

14:20-14:40

Machine learned atomistic modeling of porosity in nuclear graphite

Speaker

Kemal Ramic

14:40-15:10

Investigation and Evaluation of Thermal Neutron Scattering in Nuclear Graphite

Speaker

Ayman Hawari

15:10

15:30

Differential Data, Modeling and Evaluation

Session | Location: Berkner Hall (Bldg. 488), Room B

15:30-15:50

Overview of historical and new transmission measurements of nuclear graphite

Speaker

Chris Chapman

15:50-16:10

Investigating the Impact of Fast Neutron Radiation Damage on Graphite Lattice Dynamics

Speaker

Iyad Al-Qasir

16:10-17:20

Discussion about modeling and evaluation approaches

Speaker

All

17:20