

North American Storage Rings & Neutron Captures Workshop



Monday, 28 June 2021 - Wednesday, 30 June 2021

Virtual

Scientific Programme

The scientific program will consist of a series of invited talks (25+5 min) as introduction and a few selected contributed talks (15+5 min) on specific topics closely related to the topic of neutron capture reactions in storage rings.

Planned topics of discussion include:

Opportunities in Nuclear Astrophysics and Nuclear Reactions Measurements

Application Needs for Nuclear Data

Thermal Neutron Target Design

Interplay of Ion Storage Ring Acceptance and Cooling, with Reaction Product Detection

RIB Post-Acceleration and Ring Injection

Beam Diagnostics and Neutron Target Monitoring

Development of Ring Reaction Measurement Standards

Future Opportunities with Ring Reaction Measurements

Wed, June 30th is completely dedicated to in-depth discussion in three working groups:

WG1 is discussing neutron target and moderator concepts

WG2 is discussing in-ring detection methods

WG3 is discussing recoil extraction methods