

**Panel on Assessment of the National Institute of Standards and Technology
NIST Center for Neutron Research (NCNR)
May 13-15, 2025**

AGENDA
(All times are EDT)

Tuesday, May 13, 2025

DATA GATHERING SESSION (OPEN TO THE PUBLIC)

Location: Building 235, Room K04

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| 9:00 – 10:00 a.m. | Welcome: Introductions, Charge to the Panel, Overview , Jim Adams,
<i>Director of the NIST Center for Neutron Research</i> |
| 10:00 – 11:00 a.m. | Overview of the Neutron Condensed Matter Science Group at the NCNR , Ron Jones, <i>Group Leader for Neutron Condensed Matter Science</i> |
| 11:00 a.m. – 11:25 a.m. | <i>Break</i> |
| 11:25 a.m. – 11:45 a.m. | Industrial Engagement at the NCNR , Katie Weigandt, <i>nSOFT Instrument Scientist</i> |
| 11:45 a.m. – 12:00 p.m. | Neutron Imaging , Dan Hussey, <i>Imaging Instrument Scientist</i> |
| 12:00 p.m. – 12:15 p.m. | Engineering Diffraction , Thomas Gnäupel-Herold, <i>Instrument Scientist</i> |
| 12:15 p.m. – 1:15 p.m. | <i>Working lunch with User Group Executive Committee</i> |
| 1:15 p.m. – 2:00 p.m. | NCNR Facility Developments , Brian Kirby, <i>Group Leader for Research Facility Operations</i> |
| 2:00 p.m. – 2:15 p.m. | Quantum Materials Spectrometer , Leland Harriger, <i>Scientific Leader for the QMS project</i> |
| 2:15 p.m. – 2:30 p.m. | Autonomous Formulation Laboratory , Peter Beaucage, <i>SANS Instrument Scientist</i> |
| 2:30 p.m. – 3:45 p.m. | Tour of the NCNR , Brian Kirby, <i>Group Leader for Research Facility Operations</i> |
| 3:45 p.m. – 4:00 p.m. | <i>Break</i> |
| 4:00 p.m. – 4:20 p.m. | The Center for High Resolution Neutron Scattering , Craig Brown,
<i>Director of the Center for High Resolution Neutron Scattering</i> |
| 4:20 p.m. – 4:45 p.m. | SANS Overview , Paul Butler, <i>Team Leader for Macromolecules and Microstructures</i> |

Wednesday, May 14, 2025

DATA GATHERING SESSION (OPEN TO THE PUBLIC)

Location: Building 235, Room K04

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| 8:15 a.m. – 9:00 a.m. | Overview of Reactor Operations and Engineering , Tom Newton, <i>Group Leader for reactor Operations and Engineering & Deputy Director</i> |
| 9:00 a.m. – 9:20 a.m. | Planning for a New Neutron Source at NIST , Dan Neumann, <i>Associate Director for Neutron Science and Technology</i> |
| 9:20 a.m. – 9:40 a.m. | Neutron Physics at the NCNR , Pieter Mumm, <i>Group Leader for Neutron Physics, Radiation Physics Division</i> |
| 9:40 a.m. – 10:00 a.m. | Neutron-based Chemical Metrology , Chris Zangmeister, <i>Group Leader, Chemical Sciences Division</i> |

DATA GATHERING SESSION (OPEN TO THE PUBLIC)

Location: E-wing and K-wing hallways, Charles Barbour and Kenan Ünlü to meet with Jim Adams and Tom Newton

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| 10:00 a.m. – 11:20 a.m. | Poster Session , Susana Teixeira, <i>SANS Instrument Scientist</i> |
| 11:20 a.m. – 11:45 a.m. | Overview of the Reflectometry Team , Chuck Majkrzak, <i>Team Leader for Surfaces and Interfaces & NIST Fellow</i> |
| 11:45 a.m. – 12:00 p.m. | ROADMAP: Autonomous neutron reflectometry for biomolecules , David Hoogerheide, <i>Center for High Resolution Neutron Scattering (CHRNS) CANDOR Instrument Scientist</i> |
| 12:00 p.m. – 1:00 p.m. | <i>Lunch with NCNR post-docs and students</i> |
| 1:00 p.m. – 1:20 p.m. | Computational Science and Neutron Scattering – an Overview , Taner Yildirim, <i>Team Leader for Computational Neutron Scattering & NIST Fellow</i> |
| 1:20 p.m. – 1:45 p.m. | Overview of the Structure and Dynamics of Materials Team , Craig Brown, <i>Team Leader for Structure & Dynamics of Materials & NIST Fellow</i> |
| 1:45 p.m. – 2:00 p.m. | Aluminum Formate , Hayden Evans, <i>Powder Diffractometer Instrument Scientist</i> |
| 2:00 p.m. – 2:15 p.m. | UTe₂ , Nick Butch, <i>Disc Chopper Spectrometer (DCS) Instrument Scientist</i> |

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| 11:00 a.m. – noon | Joint full-panel session with NCNR leadership: Fact-checking |
| Noon | <i>Full Panel Adjourns; Lunch available</i> |