

26th Center for High Resolution Neutron Scattering (CHRNS) "School on Methods and Applications of Small Angle Neutron Scattering and Neutron Reflectometry" at the NIST Center for Neutron Research.

Items in BlueJeans format are [printed in blue](#), otherwise it is in GatherTown

Week1 off-prime material

- How to download, install and test the reduction and fitting software
- Experiment write ups

Pre-Course Event: Monday February 1

4:00-5:30 Introductory Social Hour and GatherTown practice

Day 1 Wednesday February 3

2:00 [Introduction-Joe Dura](#)
[Welcome, overview of CHRNS Virtual Neutron School and NCNR \(Dan Neumann\)](#)
 2:15 [Theory of SANS \(Ryan Murphy\)](#)
 3:00 [Theory of NR \(Chuck Majkrzak\)](#)
 3:45 Coffee Hour Poster Room 1 (small groups A,D,G,J)
 4:15 [The NCNR reactor and could sources \(Robert Williams\)](#)
 4:30 [How experiments and small groups will function \(Joe Dura\)](#)
 5:00 [Student's Final Project: How to write a beam time proposal \(Yamali Hernandez\)](#)

Day 2 Friday February 5

2:00 [Gather and announcements](#)

Parallel sessions

SANS

2:05 [Practical Aspects of SANS \(John Barker\)](#)
 2:50 [SANS fitting \(Yun Liu\)](#)

Neutron Reflectometry

2:05 [Description of the instruments and how to collect data \(David Hoogerheide\)](#)
 2:30 [Data reduction with Reductus \(Brian Maranville\)](#)
 2:50 [Data modelling and Fitting \(Frank Heinrich\)](#)
 3:25 [What's different when doing Polarized Beam Reflectometry \(Brian Kirby\)](#)
 3:50 Coffee Hour Poster Room 2 (small groups B,E,H,K)
 4:20 Small group session A1

Week2 off-prime material

- How to set up an IMS account and write a beam time proposal handout

Day 3 Monday February 8

2:00 Small group session A2
 3:30 Coffee Hour Poster Room 3 (small groups C,F,I,L)
 4:00 Small group session A3

Day 4 Wednesday February 10

2:00 [Gather and announcements \(Joe Dura\) Keynote Room](#)
 2:05 Small group session A4
 3:30 Coffee Hour
 4:00 Small group session A5

Day 5 Friday February 12

2:00 [Q & A about proposal writing and switch experiments \(Yamali Hernandez\)](#)

Parallel sessions

SANS

2:15 [Practical Aspects of SANS \(John Barker\)](#)
 3:00 [SANS fitting \(Yun Liu\)](#)

Neutron Reflectometry

2:15 [Description of the instruments and how to collect data \(David Hoogerheide\)](#)
 2:40 [Data reduction with Reductus \(Brian Maranville\)](#)
 3:00 [Data modelling and Fitting \(Frank Heinrich\)](#)
 3:35 [What's different in Polarized Beam Reflectometry \(Brian Kirby\)](#)
 4:00 Coffee Hour with Beam Time Proposal individual help options
 4:30 Small group session B1

Week3 off-prime material

- Survey

Day 6 Wednesday February 17

2:00 [Gather and announcements \(Joe Dura\) Keynote Room](#)
 2:05 Small group session B2
 3:30 Coffee Hour with Beam Time Proposal individual help options
 4:00 Small group session B3
5:30 [Beam time proposals Due by 5:30pm ET](#)

Day 7 Friday February 19

2:00 [Gather and announcements Survey Reminder \(Joe Dura\) Keynote Room](#)
 2:05 Small group session B4
 3:30 Coffee Hour
 4:00 Small group session B5
 5:15 [Survey Reminder, Presentation of winning BTP awards, and closing \(Joe Dura\) Keynote Room](#)