

The 26th Center for High Resolution Neutron Scattering (CHRNS)
"School on Methods and Applications of
Small Angle Neutron Scattering and Neutron Reflectometry"

Agenda:

Week1 off-prime material

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

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

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 cold sources \(Robert Williams\)](#)

4:45 [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 Gather and announcements (Joe Dura) Keynote Room

2:05 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