

ORNL NXS 2008 Experiment Schedule

<p>ACTION ITEM: Click on hyperlinks in this chart for background information and reference materials for the experiments....</p>	Triple Axis	Triple Axis	Triple Axis	WAND	SANS-Polymers	BioSANS	Liquids Reflectometer	ARCS	BASIS	
	Facility:	HFIR	HFIR	HFIR	HFIR	HFIR	HFIR	SNS	SNS	SNS
	Initial Meeting Location:	7964K Conf Rm 29 A/B			7962 Conf Rm 106	7962 Conf Rm 108	7962 Conf Rm 108	8600 Conf Rm C-152	8600 Conf Rm C-150	8600 Conf Rm C-156
	Instrument ID:	HB-1A	HB-1	HB-3	HB-2C	CG-2	CG-3	BL-4B	BL-18	BL-2
	Experiment Details:	IPTS-1453	IPTS-1452	IPTS-1454	IPTS-1455	IPTS-1456	IPTS-1457	IPTS-1459	IPTS-1460	IPTS-1458
	Reference Materials:	Fe-Ga Reference Mtrls	Fe-Ga Reference Mtrls	Fe-Ga Reference Mtrls	WAND Technique & Method	SANS Basics	SANS Basics	LR Technique 1	ARCS Reference Summary	Protonic Ionic Liquid
		Triple Axis Introduction			Hausmannite 1	SANS Intro	SANS Intro	LR Technique 2	ZrH 1	Water Model Notes
					Hausmannite 2	SAD	SAD	LR Experiment part I	ZrH 2	Water Model Spreadsheet
						General Theory_Perod	General Theory_Perod			
						Analysis & Modeling_Pedersen	Analysis & Modeling_Pedersen			
Software Downloads:	Graffiti	Graffiti	Graffiti	FullProf	IGORPro (trial)	IGORPro (trial)		DANSE* (not suitable for download on PC/laptop)	DAVE	
	<small>*Mac" versions for some tools may also be available.</small>			SARAh		GNOM				
Data Sets:	Fe-Ga Data Sets	Fe-Ga Data Sets	Fe-Ga Data Sets	Sample Data Sets (WAND)	HFIR_Igor	HFIR_Igor	LR Data Analysis		Sample Data Sets (BASIS)	
Monday September 29	Neutron Experiment 1 Group	A	G	I	F	D	C	B	E	H
Tuesday September 30	Neutron Experiment 2 Group	B	F	H	A	G	E	C	D	I
Wednesday October 1	Neutron Experiment 3 Group	C	D	E	B	I	H	A	G	F

LIST of EXPERIMENTS and INSTRUMENT SCIENTISTS for NXS School 2008

HB-1A, HB-1, and HB-3 Triple-Axis Spectrometers:

Magnons and phonons in magnetostrictive Fe-Ga alloys

Instrument Scientists: Jaime Fernandez-Baca, Mark Lumsden, Andrey Zheludev, Jerel Zarestky

HB-2C WAND (Wide-Angle Neutron Diffractometer):

Hausmannite Mn₂O₇: Magnetic Structure Revisited.

Instrument Scientist: Ovidiu Garlea

CG-2 SANS (Small-Angle Neutron Scattering Diffractometer):

Micellar Morphologies in Self-Associated Diblock Copolymer Solutions: Effects of Concentration

Instrument Scientist: Ken Littrell

CG-3 BioSANS (Biological Small-Angle Neutron Scattering Instrument):

Protein unfolding studied by small-angle neutron scattering

Instrument Scientists: Volker Urban, William Heller

BL-4B Liquids Reflectometer:

Polymer self-diffusion studied by specular reflectivity

Instrument Scientist: John Ankner

BL-18 ARCS (Wide Angular-Range Chopper Spectrometer):

Dynamics of metal hydride systems: Harmonic oscillators and beyond

Instrument Scientists: Doug Abernathy, Matt Stone

BL-2 BASIS (Backscattering Spectrometer):

Diffusion dynamics of protons in a novel ionic liquid designed for proton-exchange membranes

Instrument Scientist: Eugene Mamontov