

1st National Neutron Scattering School

September 6th – September 12th, 2025

Saturday September 6 th	Saturday September 6 th	Sunday September 7 th
Bus departs Hotel		Bus departs Hotel
Badging and Safety Training	Lecture Interaction Neutrons with Matter I	Lecture Interaction of Neutrons with Matter II
		Break
Welcome Jon Taylor and Organizing committee	Tour #1 and #2	Lecture Interaction of Neutrons with Matter III
Break		Break
Lecture Neutron User Facilities		Lecture Single Crystal Diffraction
Lunch		Lunch
Lecture Neutron Generation, Optics, Detection, and Instrumentation		Lecture Powder Diffraction
		Break
		Lecture Neutron Imaging
		Break
		Tour #3
Break	Dinner and Discussion Buses depart ORNL for hotel	Dinner and Discussion Buses depart ORNL for hotel

Monday September 8 th	Tuesday September 9 th	Wednesday September 10 th	Thursday September 11 th	Friday September 12 th	Saturday September 13 th	
Bus departs Hotel	Bus departs Hotel	Bus departs Hotel	Bus departs Hotel	Bus departs Hotel		
Lecture Neutron Spectroscopy	Lecture Small Angle Neutron Scattering	Lecture Diffuse Scattering	Lecture Vibrational Spectroscopy	HFIR/SNS Experiment 4 See Experiments Schedule	Departure for travel home	
Break	Break	Break	Break			
Lecture Neutron Spectroscopy II	Lecture PDF	Lecture Neutron Reflectivity	Lecture Quasi-elastic Neutron Scattering			
Break	Break	Break	Break			
Lecture Magnetic Scattering	Lecture In situ / in operando	Lecture Neutron Polarization	Lecture Engineering Diffraction			
			Break			
			Lecture Non – equilibrium			
Lunch	Lunch	Lunch	Lunch			
HFIR/SNS Experiment 1 See Experiments Schedule	HFIR/SNS Experiment 2 See Experiments Schedule	Lecture Machine Learning and AI for Scattering Experiments				Lecture Neutron Spin Echo
		Break				Break
		Lecture Scattering under extreme conditions		Lecture Diffraction and Spectroscopy at TOF vs Continuous Sources		
		Break		Break		
		Tutorial Proposal writing		Career Panel		
		Bus Trip from ORNL to Oak Ridge hotel to picnic venue		Quick Thank you & Farewell		
		Melton Hill Lake Picnic		Dinner & Social at SNS		
Dinner and Discussion Buses depart ORNL for hotel	Dinner and Discussion Buses depart ORNL for hotel	Buses depart picnic for Hotel	Buses depart ORNL For hotel	Buses depart ORNL for hotel		