

Event contact	Yuanpeng Zhang, 865-335-4818 (mobile); zhangy3@ornl.gov	
Data Process of Neutron Total Scattering and How to Avoid Pitfalls Along the Way		
Time	Event	Lead
Thursday, August 14, 2025 Location: Tech Room		
8:30 a.m. – 9:15 a.m.	Welcome, Introductions, Opening Remarks, & Working Breakfast	Yuanpeng Zhang
9:15 a.m. – 10:30 a.m.	Introduction to Neutron Total Scattering and Data Analysis Tools	Thomas Proffen
10:30 a.m. – 10:45 a.m.	Coffee Break	
10:45 a.m. – 12:00 p.m.	Data Reduction for Neutron Total Scattering – Part 1	Yuanpeng Zhang
12:00 p.m. – 1:00 p.m.	Working Lunch Topic & Discussion: Machine learning and phase transition	Dayton Kizzire
1:00 p.m. – 1:30 p.m.	Data Reduction for Neutron Total Scattering - Part 2	Yuanpeng Zhang
1:30 p.m. – 2:00 p.m.	Computer Setup: Set up the software environment for the hands-on session.	Matthew Tucker & Yuanpeng Zhang
2:00 p.m. – 2:45 p.m.	Data Processing Hands-on – Part 1	Matthew Tucker
2:45 p.m. – 3:00 p.m.	Coffee Break	
3:00 p.m. – 4:30 p.m.	Data Processing Hands-on – Part 2	Matthew Tucker & Yuanpeng Zhang
4:30 p.m. – 5:00 p.m.	Poll and Discussion	Yuanpeng Zhang
5:00 p.m. – 5:15 p.m.	Summary and Close Out	Yuanpeng Zhang