

Live Streaming Webinar Q&A Sessions

Invited and Oral Talk Question and Answer Sessions provide valuable opportunities to stay connected and ask questions of authors. Be sure to view presentations prior to the scheduled Q&A sessions so that you can be better prepared with your questions. Every Invited and Oral Talk presenter will include a 10-minute time slot for Q&A.

Wednesday, July 15 Q&A Webinar I

Times	Final ID #	First Name	Last Name	Affiliation	Talk Title	Session Title
1:30 pm - 1:40 pm	B04.01.01	Igor	Zaliznyak	Brookhaven National Laboratory	Negative Thermal Expansion and Entropic Elasticity in ScF ₃ Type Empty Perovskites	B04.01 – Thermal Properties and Phonons
1:40 pm - 1:50 pm	B04.01.02	Brent	Fultz	California Institute of Technology	The Dominance of Pure Phonon Anharmonicity on the Thermal Expansion of NaBr	
1:50 pm - 2:00 pm	B04.01.03	Raphael	Hermann	Oak Ridge National Laboratory	Paramagnon Drag, Magnetic Structure and Dynamics in Li:MnTe	
2:00 pm - 2:10 pm	B04.01.04	Michael	Manley	Oak Ridge National Laboratory	Nonlinear Propagating Modes Observed beyond the Phonons in Fluorite-Structured Crystals	
2:10 pm - 2:20 pm	B04.01.05	Hillary	Smith	Swarthmore College	Vibrational Entropy of Glass Transitions in Metallic and Molecular Glasses	

WITHDRAWN 2:20 pm - 2:30 pm	B04.01.06	Zengquan	Wang	The University of Tennessee, Knoxville	Local Dynamics in Metallic Liquids Studied by Inelastic Neutron Scattering	
2:30 pm - 2:40 pm	B04.01.07	Qiyang	Sun	University of California, Riverside	Magnon-Phonon Interactions in Antiferromagnetic Oxides	
2:40 pm - 2:50 pm	H04.01.01	Jason	Fry	Eastern Kentucky University	Studying Fundamental Symmetries of Nature with Neutrons	H04.01 – Neutron Physics II
2:50 pm - 3:00 pm	H04.01.02	Mark	McCrea	University of Winnipeg	Final Results for the $n^3\text{He}$ Parity Violating Asymmetry Measurement	
3:00 pm - 3:10 pm	H04.01.03	Shannon	Hoogerheide	National Institute of Standards and Technology	Update on the BL2 Experiment—An In-Beam Measurement of the Neutron Lifetime	
3:10 pm - 3:20 pm	H04.01.04	Hans	Mumm	National Institute of Standards and Technology	Novel Cross Section Measurements through Absolute High-Precision Cold Neutron Fluence Determination	
3:20 pm - 3:30 pm	H04.01.05	Joshua	Barrow	The University of Tennessee, Knoxville	Opportunities for Beyond Standard Model Physics Searches Using Neutrons	
3:30 pm - 3:40 pm	B04.03.01	John	DiTusa	Louisiana State University	Helimagnetism and Chiral Domain Walls in Hexagonal Magnets	B04.03 – Skyrmions and Unconventional Magnets
3:40 pm - 3:50 pm	B04.03.02	Dustin	Gilbert	The University of Tennessee, Knoxville	Controlling Long-Range Skyrmion Lattices Using Field and Temperature in Fe/Gd Multilayers	

3:50 pm - 4:00 pm	B04.03.03	Allan	Leishman	University of Notre Dame	Hysteretic Evidence of a Topological Barrier to Skyrmion Lattice Formation in MnSi	
4:00 pm - 4:10 pm	B04.03.04	Sunil	Karna	Louisiana State University	Non-Sinusoidal Helical Magnetic Structure in Chiral Helimagnet Mn _{1/3} NbS ₂	
4:10 pm - 4:20 pm	B04.03.05	Matthias	Frontzek	Oak Ridge National Laboratory	Crystallographic and Magnetic Structure of Pr ₂ PdSi ₃ —A Single Crystal Neutron Diffraction Study	
4:20 pm - 4:30 pm	B04.03.06	Daniel	Shoemaker	University of Illinois at Urbana-Champaign	Spin Structures and Dynamics in Metallic Antiferromagnets	
4:30 pm - 4:40 pm	E04.01.01	Taner	Yildirim	National Institute of Standards and Technology	A Combined Neutron Scattering and First-Principles Study of Novel Materials—From 2D Weyl Superconductor MoTe ₂ to Hybrid Halide Perovskite Solar Cells	E04.01 – Materials Chemistry and Energy III
4:40 pm - 4:50 pm	E04.01.02	Boris	Khaykovich	Massachusetts Institute of Technology	Molecular Structure and Dynamics of Multicomponent Molten Salts by Neutron Scattering and Ab Initio Molecular Dynamic Simulations	
4:50 pm - 5:00 pm	E04.01.03	Matthew	Ryder	Oak Ridge National Laboratory	Phase Transitions and Framework Stability Predicted from Lattice Dynamics	
5:00 pm - 5:10 pm	E04.01.04	Christina	Hoffmann	Oak Ridge National Laboratory	Frequency Dependent Data Filtering of Stroboscopic Pumping of Hydrogen Movement in Potassium Dihydrogen Phosphate	

5:10 pm - 5:20 pm	E04.01.05	Rui	Zhang	The Pennsylvania State University	Investigation of Kerogen Structures through Simulation and Scattering Approaches	
5:20 pm - 5:30 pm	E04.01.06	Alicia	Manjon Sanz	Oregon State University, Oak Ridge National Laboratory	Understanding the Structure-Property Relationships of the Ferroelectric to Relaxor Transition of the (1-x)BaTiO ₃ -(x)BiInO ₃ Lead-Free Piezoelectric System	
5:30 pm - 5:40 pm	B04.04.01	Shan	Wu	Lawrence Berkeley National Laboratory, University of California, Berkeley	Behaviors of Iron Chalcogenide Spin Ladder BaFe ₂ X ₃ (X=Se,S) under Pressure	B04.04 – Iron Pnictides and Related Materials
5:40 pm - 5:50 pm	B04.04.02	Emil	Bozin	Brookhaven National Laboratory	Correlated Disorder-to-Order Crossover in the Local Structure of K _x Fe ₂ -ySe ₂ -zS _z Superconductor	
6:00 pm - 6:10 pm	B04.04.03	John	Wilde	Ames Laboratory, Iowa State University of Science and Technology	Magnetic Order Arising from Frustrated Interlayer Interactions in Doped SrCo ₂ As ₂	
6:10 pm - 6:20 pm	B04.04.04	Yu	Li	Louisiana State University	Flat-Band Magnetism and Helical Magnetic Order in Ni-Doped SrCo ₂ As ₂	
WITHDRAWN 6:20 pm - 6:30 pm	B04.04.05	Omar	Chmaissem	Northern Illinois University, Argonne National Laboratory	Unusual Magnetic States in Superconducting Pnictides Revealed by Neutron and Resonant X-Ray Scattering	

A - Advances in Neutron Facilities, Instrumentation and Software
B - Hard Condensed Matter
C - Soft Matter
D - Biology and Biotechnology
E - Materials Chemistry and Energy
F - Structural Materials and Engineering
G - Emerging Applications and Neutron Scattering in Engineering, Arts and Sciences
H - Neutron Physics