

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.

Monday, July 13 Q&A Webinar I

Times	Final ID #	First Name	Last Name	Affiliation	Talk Title	Session Title
1:30 pm - 1:40 pm	B02.01.01	Stephen	Wilson	University of California, Santa Barbara	Quantum Disorder and Unconventional Magnetism in ARO2 (A=Alkali Metal, R=Rare Earth Metal)	B02.01– Magnetic Interaction in Rare Earth Magnets
1:40 pm - 1:50 pm	B02.01.02	Gavin	Hester	Colorado State University	A Novel Strongly Spin-Orbit Coupled Quantum Dimer Magnet—Yb2Si2O7	
1:50 pm - 2:00 pm	B02.01.03	Jon	Lawrence	University of California, Irvine, Los Alamos National Laboratory	Q-Dependent Kondo Spin Fluctuations and a 4f/Phonon Resonance in the Intermediate Valent Compound YbAl3	
2:00 pm - 2:10 pm	B02.01.04	Andrew	Christianson	Oak Ridge National Laboratory	Crystal Field Splitting and Spin Hamiltonian of the Quantum Magnet YbCl3	
2:10 pm - 2:20 pm	B02.01.05	Zhiling	Dun	Georgia Institute of Technology	Magnetic Short-Range Correlations and Continuous Transitions in TmMgGaO4	

WITHDRAWN 2:20 pm - 2:30 pm	B02.01.06	Erxi	Feng	Oak Ridge National Laboratory	Magnetic Structure and Excitation of the Stuffed Honeycomb Antiferromagnet GdInO3	
2:30 pm - 2:40 pm	B02.01.07	Joe	Paddison	Oak Ridge National Laboratory	Scattering Signatures of Bond-Dependent Magnetic Interactions	
2:40 pm - 2:50 pm	E02.01.02	Makena	Dettmann	University of California, Davis	Improving Phonon Predictions in Organic Semiconductors with Classical Molecular Dynamics and Force-Matching	E02.01 – Materials Chemistry and Energy
2:50 pm - 3:00 pm	E02.01.03	James	Neilson	Colorado State University	Incoherent Dynamics of Hybrid Halide Semiconductors and a Photovoltaic Revolution	
3:00 pm - 3:10 pm	E02.01.04	Claire	Saunders	California Institute of Technology	The Role of Nuclear Quantum Effects and Chemical Bonding on the Thermal Expansion in Cuprous Oxide	
3:10 pm - 3:20 pm	E02.01.05	Benjamin	Trump	National Institute of Standards and Technology	Water Interactions and Dynamics in Porous Metal Organic Polyhedra	
3:20 pm - 3:30 pm	B02.02.01	Chris	Leighton	University of Minnesota	Electrolyte-Gate-Controlled Magnetism in Perovskite Oxides Probed by Operando Polarized Neutron Reflectometry	B02.02 – Perovskites and Related Materials
3:30 pm - 3:40 pm	B02.02.02	Katharine	Page	Oak Ridge National Laboratory, The University of Tennessee, Knoxville	Tuning Chemical Short Range Order in the Solid State	

3:40 pm - 3:50 pm	B02.02.03	Matthew	Krogstad	Argonne National Laboratory	Diffuse Neutron and X-Ray Scattering from Cesium Lead Bromide	
3:50 pm - 4:00 pm	B02.02.04	Steffen	Säubert	Colorado State University	In Search of Microscopies of Quantum Annealing	
4:00 pm - 4:10 pm	B02.02.05	Adam	Aczel	Oak Ridge National Laboratory, University of Tennessee	Realization of the Orbital-Selective Mott State at the Molecular Level in Ba ₃ LaRu ₂ O ₉	
4:10 pm - 4:20 pm	H02.01.01	Dieter	Ries	Johannes Gutenberg University Mainz	A New Measurement of the Electric Dipole Moment of the Neutron	H02.01 – Neutron Physics I
4:20 pm - 4:30 pm	H02.01.02	Roger	Pynn	Indiana University	Quantum Entanglement of Spin, Path and Energy for Individual Neutrons	
WITHDRAWN 4:30 pm - 4:40 pm	H02.01.03	Dusan	Sarenac	University of Waterloo	Phase-Grating Moiré Interferometry	
4:40 pm - 4:50 pm	H02.01.04	Robert	Valdillez	North Carolina State University	Eliminating Thermal Noise Inside a Neutron Interferometer	
4:50 pm - 5:00 pm	H02.01.05	Michael	Huber	National Institute of Standards and Technology	Interferometric Measurement of the of n-4He Coherent Scattering Length	

5:00 pm - 5:10 pm	B02.03.01	Rebecca	Smaha	Stanford University, SLAC National Accelerator Laboratory	Materializing Rival Ground States in the Barlowite Family of Kagome Magnets	B02.03 – Frustrated Magnets
5:10 pm - 5:20 pm	B02.03.02	Stephan	Rosenkranz	Argonne National Laboratory	Emergent Quasi-Spin Anisotropy in Highly Frustrated Pseudobrookite Fe ₂ TiO ₅	
5:20 pm - 5:30 pm	B02.03.03	Martin	Mourigal	Georgia Institute of Technology	SU(3) Magnetic Excitations of the Frustrated Ising Magnet FeI ₂	
5:30 pm - 5:40 pm	B02.03.04	Arnab	Banerjee	Purdue University	The Structure Factor Studies of the Ising Shastry Sutherland Model Revealed Using Quantum Annealing	
5:40 pm - 5:50 pm	B02.03.05	Feng	Ye	Oak Ridge National Laboratory	Electric Current Control of the Spin-Orbit Coupled 4d Ruthenate Ca ₂ Ru _{0.97} Mn _{0.03} O ₄	

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