

Poster number	First and last name	Affiliation	Title of the poster
1	Xinchao Zhou	Purdue University	Coupling single atoms to a nanophotonic whispering-gallery-mode resonator
2	James Hostetter	Quantinuum	Sympathetic Cooling and Junction Transport with a Large Mass Imbalance
3	Marshal Dong	UIUC	Differential spectroscopy with a synthetic "dual-species" $^{171}\text{Yb}$ clock array
4	Will Huie	UIUC	Neutral $^{171}\text{Yb}$ tweezer array in a concentric cavity
5	Alisher Duspayev	University of Michigan, Ann Arbor	Field sensing with hot and cold Rydberg atoms
6	Michael Vayninger	University of Chicago	Towards a Quantum Simulator With Ultrapolar KAg Molecules
7	Michael Bishof	Argonne National Laboratory	Towards and improved measurement of the Ra-225 EDM
8	Carlos Owens	University of Michigan - Ann Arbor	Investigating Rydberg Atom Dynamics via Ponderomotive Optical Lattices
9	Anirudh Yadav	University of Wisconsin-Madison	Initial Time Superradiance and, Mapping Quantum Systems to Simplex states
10	Dahlia Ghoshal	University of Chicago	Hybrid atom—rare-earth ion interface for quantum networks
11	Olivier Grasdijk	Argonne National Laboratory	Towards a sensitive measurement of time-reversal symmetry violation in $^{205}\text{Tl}$ nucleus
12	Utku Saglam	University of Wisconsin-Madison	Atom trapping potentials of Hybrid modes of microfibers
13	Atul Bhadkamkar	University of Wisconsin-Madison	High-power Raman lasing and efficient anti-Stokes generation in mm-sized glass disk resonators
14	Shay	University of Wisconsin-Madison	Axion detection using optical fibers
15	Lefeng Zhou	University of Michigan - Ann Arbor	Tractor Atom Interferometry
16	Miguel Ceja	Northwestern University	Progress Towards the Sympathetic Cooling of Optically Levitated Nanospheres using Cold Atoms
17	Peter Mueller	Argonne National Laboratory	Advances in Atom Trap Trace Analysis
18	Qian Wang	University of Chicago	Towards quantum degeneracy in a SrF molecular gas
19	Lauren Weiss	University of Chicago	Toward quantum simulation and networking using the Quantum Matter Synthesizer
20	Zeyu Ye	Argonne National Laboratory	Towards quantum simulations of nuclear physics using optical tweezer arrays of Yb atoms
21	Shaozhen Yang	University of Chicago	Magneto-Optical Trapping of Silver Atoms: Towards Ultracold FrAg Molecules to Probe Nuclear CP-violation
22	Haechan An	Purdue University & Northwestern University	Quantum thermal imaging of electronic microcircuits
23	AbdAlGhaffar Amer	Purdue University	Simulating Brownian motion beyond the Simple Harmonic Langevin Oscillator
24	Josh Borovik	Miami University	Summary of Bipartite Entanglement Measures
25	Umar Arshad	Miami University	Multipartite Entanglement in Multimode Cavity Quantum Electrodynamics
26	Tiberius Berndsen	Miami University	Electromagnetically Induced Transparency (EIT) in Nonlinear Waveguide Quantum Electrodynamics
27	Stone Oliver	Miami University	Propagation of cold trapped atoms in a precisely predictable, arbitrary direction by weak modulation of the confining optical lattice
28	Benjamin Makias	Miami University	Robust storage of topologically protected light in warm alkali vapor
29	Dingyu Guo	Miami University	Single photon transport in chiral waveguide QED
30	Ryan White	University of Chicago	Rydberg interactions in a dual-species atom array
31	David	University of Wisconsin-Madison	Subradiance induced Transparency
32	Steven Carpenter	University of Wisconsin-Madison	Low-cost laser status indicator and experiment sequencer
33	Sambit Banerjee	Purdue University	Dynamical formation of vortex soliton in attractive 2D Bose gas
34	Noah Glachman	University of Chicago	Integrating Atom Arrays with Telecom Nanophotonic Cavities

35	Himanshi Himanshi	Michigan State University	Radium EDM (electric dipole moment)
36	Xinghan Wang	Purdue University	Non-destructive Detection of Individual Rydberg Atom in Extended Ensemble
37	Shayamal Singh	Purdue University	Adiabatic hyperspherical treatment of proton-hydrogen scattering
38	Felicia Martinez	Purdue University	Control of an Ultracold Photochemical Reaction via Quantum Interference
39	Chuan-Hsun Li	Purdue University	Topological Nodal Rings in a Bose-Einstein Condensate
40	Henry Ando	University of Chicago	Mediated Interactions in a Li-Cs Bose-Fermi Mixture
41	Chun-Wei Liu	University of Michigan	Progress Toward Collective Effect of Ytterbium Array
42	Yiping Wang	Northwestern University	Neural Network Enabled 3D Image Reconstruction for Laser Wavefront Aberration in Atom Interferometry
43	Mangesh Bhattarai	Argonne National Laboratory	Progress towards measuring the parity-violating nuclear anapole moment of $^{137}\text{Ba}$ in BaF molecule
44	Dhiya Varghese	Purdue University	Mapping Rydberg macrodimers to spin models
45	Lucy Shamel	Kenyon College	Characterizing the coherence of three-atom entangled states near Forster resonance
46	Meyhar Dudeja	Michigan State University	Single Atom Microscope (SAM)
47	Bineet Dash	University of Michigan	Rydberg-EIT of Rb-85 vapor in buffer gas cells
48	Kevin Seca Widyatmodjo	Northwestern University	Progress towards trapping and cooling hexagonal microdisks for high-frequency gravitational wave detection
49	Mark Nguyen	Northwestern University	Matter Wave Interference and Submicron Gravity Tests with Levitated Nanospheres
50	Lucas Stanley	Northwestern University	Characterization of the rotation system and superconducting Nb films for the ARIADNE experiment
51	Nicholas Nusgart	Michigan State University	Progress towards a search for CP-violating nuclear Schiff moments using molecules in solids
52	Shu Nagata	University of Chicago	Creation of vortices and exploration of near-threshold molecular structure in Cs <sub>2</sub>
53	Jonah Glick	Northwestern University	Coriolis Force Compensation and Laser Beam Delivery for 100-Meter Baseline Atom Interferometry
54	David Peana	Purdue University	Progress towards magneto-association of ultracold LiCs molecules in optical tweezers
55	Ken DeRose	Northwestern University	Thousandfold Phase Amplification in a Resonant Atom Interferometer via Applying Quantum Control to Multipath Interference
56	Nick Li	University of Chicago	Toward Quantum Networking: Creating polarization-entangled photon pairs on the Cesium D <sub>2</sub> line
57	Omar Nagib	University of Wisconsin-Madison	New robust atom-photon gate for quantum information processing
58	Hong Ming Lim	University of Wisconsin-Madison	Progress towards a Cesium Lattice Optical Clock
59	Sheng-Wen Huang and Ke	Purdue University	Driven-dissipative dynamics in superconducting circuit lattice coupled to tunable baths