



# Quantum Information Science on the Intersections of Nuclear and AMO Physics

## Monday, January 13, 2025

### Session 2 (2:00 PM - 6:30 PM)

time	[id] title	presenter
2:00 PM	[14] Quantum Simulation with Rydberg-atom Synthetic Dimensions (25+5)	KILLIAN, Thomas
2:30 PM	[53] Engineering of Kerr-Hamiltonians in a cavity QED system	COLOMBO, Simone
3:00 PM	[33] Ising Superconductors in Quantum Sensing (25+5)	KARAPETROV, Goran
3:30 PM	Coffee break	
4:00 PM	[45] Quantum Machine Learning for Particle Physics (25+5)	YOO, Shinjae
4:30 PM	[22] Spin-Boson Simulations with Trapped Ions (25+5)	BROWN, Kenneth
5:00 PM	[18] Analog quantum simulation of bosonic lattices and lattice gauge theories (25+5)	SHI, Zheng
5:30 PM	[3] Panel Discussion	