

Quantum Information Science on the Intersections of Nuclear and AMO Physics

Tuesday, January 14, 2025

Session 3 (8:30 AM - 12:20 PM)

time	[id] title	presenter
8:30 AM	[39] Toward quantum simulations for nuclear physics with qubits and qumodes (25+5)	RINGER, Felix
9:00 AM	[19] Building Solid-State Quantum Simulators for Applications in Lattice Gauge Theory (25+5)	SILVER, Rick
9:30 AM	[40] Towards quantum advantage in lattice gauge theory calculations (25+5)	SIOPSIS, George
10:00 AM	Coffee break	
10:30 AM	[21] Where AMO meets Nuclear meets Particle: quantum state prep and read-out in molecules and the search for CP-violating physics (40+10)	CORNELL, Eric
11:20 AM	[52] Laser-cooled alkaline-earth like molecules for quantum science (25+5)	MCCARRON, Daniel
11:50 AM	[15] Probing and engineering nuclear spin ensembles in a central spin system (25+5)	CHOI, Joonhee