



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

## Wednesday, January 15, 2025

### Session 5 (8:30 AM - 12:20 PM)

time	[id] title	presenter
8:30 AM	[30] Quasiparton and quasifragmentation functions in the massive Schwinger model (25+5)	GRIENINGER, Sebastian
9:00 AM	[20] Quantum sensing assisted by near-term quantum algorithms (25+5)	SONE, Akira
9:30 AM	[46] Enhancing Quantum Utility: simulating large-scale quantum spin chains on superconducting quantum computers (25+5)	YU, Kwangmin
10:00 AM	Coffee break	
10:30 AM	[37] Detection of nuclear decays with levitated mechanical quantum sensors (40+10)	MOORE, David
11:20 AM	[31] A lattice field theory of quantum circuits (25+5)	WARRINGTON, Neill
11:50 AM	[29] Quantum Sensor Networks (25+5)	GORSHKOV, Alexey