

Wednesday, May 14

Time	Description
8:50-9:00	Welcome
9:00-9:40	A. Daley <i>'Long-range spin models and open systems with atoms in cavities'</i>
9:40-10:20	A. Clerk <i>'Insights into many-body driven-dissipative systems using hidden time-reversal symmetries'</i>
10:20-11	R. Samajdar <i>'Parton theories and fractionalized excitations of Rydberg quantum spin liquids'</i>
11-11:30	Coffee Break
11:30-12:10	C. Ray Mann <i>'Emergence of Quantum Spin Liquids from Atom-Cavity Interactions'</i>
12:10-12:50	F. Becca <i>'Increasing evidence for a U(1) quantum spin liquid in the Heisenberg model on the triangular lattice: spinons and monopoles'</i>
13-15:30	Lunch/discussions
15:30-16:10	S. Golpalakrishnan <i>'Ergodicity breaking in multimode cavities'</i>
16:10-16:50	A. Sandvik <i>'Critical dynamics of 3D spin glasses in q. annealing with D-Wave devices'</i>
16:50-17:30	Coffee Break
17:30-18:30	J. Marino, discussion session: <i>'A think tank for many body AMO'</i>

Thursday, May 15

Time	Description
9:00-9:40	J-P. Brantut <i>'Cavity-induced charge- and pair-density waves in a Fermi gas'</i>
9:40-10:20	J. Schmalian <i>'Far from equilibrium dynamics of a quantum-critical superconductor'</i>
10:20-11	Y. Ashida <i>'Cavity control of materials: lessons from quantum impurity physics'</i>
11-11:30	Coffee Break
11:30-12:10	F. Piazza <i>'Laser-painted cavity-mediated interactions in a quantum gas'</i>
12:10-12:50	J. Knolle <i>'Raman Circular Dichroism and Quantum Geometry of Chiral Quantum Spin Liquids'</i>
13-15:30	Lunch/discussions
15:30-16:00	Coffee
16:00-16:40	A. Lucas <i>'Ordered phases of matter at arbitrarily high temperature'</i>

16:40-17:20	E. Altman <i>'Decoherence induced transitions and quantum information encoding in fractional quantum Hall states'</i>
17:20-20:00	Free time/discussions
20:00-	Workshop dinner

Friday, May 16

Time	Description
9:00-9:40	N. Cooper <i>'Non-linear light scattering in atomic arrays'</i>
9:40-10:20	Z. Lenarcic <i>'Neural Networks approach to simulation of light-matter coupled systems'</i>
10:20-11	M. Holland <i>'New Ideas for Extreme Coherence with Superradiant Lasers'</i>
11-11:30	Coffee Break
11:30-12:10	H. Pichler <i>'Quantum Many-body physics with a single quantum optical emitter'</i>
12:10-12:50	M. Stefanini <i>'Dissipative realization of Kondo models'</i>
13-15	Lunch/discussions