



# Nonequilibrium Phenomena in Ultra-cold Atoms and Strongly Interacting Photons

## POSTERS

### TITLE

"Non-equilibrium dynamics of coupled qubit-cavity arrays"  
"Analog Hawking radiation from an acoustic black hole in a flowing superfluid of light"  
"The Kibble-Zurek Problem : Universality and the Scaling"  
"Quantum control and dynamics in condensed matter"  
"Spatial pattern formation in polariton condensates in light-induced potentials"  
"Synthetic gauge fields, spin-orbit coupling, and dynamics"  
"Migration of Particles Across a Mott Insulator to Superfluid Interface"  
"Quench dynamics of the interacting Bose gas in 1-d"  
"Heat and Spin Transport (spintronics) of cold atomic fermi gases"  
"Supersmectic, Superglass, and Spin-Glass Phases in Multimode cQED"  
"Scaling of quantum dynamics near the Ising phase transition"  
"Non-adiabatic preparation of spin crystals with ultracold polar molecules"  
"Control of electron dynamics within the hyperfine structure in the ultracold Rb"  
"Coherent manipulation of atomic systems using adiabatic control methods"  
"Constant forces induce negative absolute temperatures in optical lattices"  
"Quantum flutter of supersonic particles in one-dimensional quantum liquids"  
"Open quantum system phase transition: the case of a driven condensate in a cavity"  
"Quantum efficiency of a microwave photon detector based on a current-biased Josephson junction in strong coupling regime"  
"Simulating Self Trapped System with Superconducting Circuit"  
"On the phase transition of light in cavity QED lattices"  
"Realizing the Jaynes-Cummings Lattice for Quantum Simulation with Microwave Photons"  
"Topologically Protected Quantum State Transfer in a Chiral Spin Liquid"

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