

Monday 28/04



Speaker	Talk
08:45 – 09:00	Opening
09:00 – 09:30	Braggio <i>Thermoelectric detection in quantum systems</i>
09:30 – 10:00	Taddei <i>Thermodynamic uncertainty relations for superconducting hybrid systems</i>
10:00 – 10:30	Paladino <i>Current phase relation of short graphene Josephson junctions: dilute impurities and spin-orbit coupling effects</i>
10:30 – 11:00	Coffee Break
11:00 – 11:30	Simon <i>Magnetic impurities in superconductors: Role of many-body interactions</i>
11:30 – 12:00	Salasnich <i>Amplitude, phase, and topological fluctuations in two-dimensional superconductors</i>
12:00 – 12:30	Grifoni <i>Friedel oscillations and chiral superconductivity in monolayer NbSe₂</i>
12:30 – 14:00	Lunch
14:00 – 14:30	Ferraro <i>Dynamical blockade of a reservoir for optimal performances of a quantum battery</i>
14:30 – 15:00	Traverso Ziani <i>Charging free fermion quantum batteries</i>
15:00 – 15:30	Benenti <i>Harnessing dissipation for enhanced performance and precision in quantum thermal machines</i>
15:30 – 16:00	Coffee Break
16:00 – 16:20	Finocchiaro <i>Hybrid interacting quantum Hall thermal machine</i>
16:20 – 16:40	Milloch <i>Halide perovskite artificial solids as a new platform to simulate collective phenomena in doped Mott insulators</i>
16:40 – 17:10	Leonforte <i>The conditional mutual information as a detector of topological and non-topological phase transitions for one-dimensional systems</i>
17:10 – 17:30	Chang <i>Strong coupling of a superconducting flux qubit to single bismuth donors</i>
17:30 – 17:50	Roccati <i>Controlling Markovianity with Chiral Giant Atoms</i>

Tuesday 29/04



Speaker	Talk
09:00 – 09:30	Amico <i>Coherent effects in driven atomic Josephson Junctions</i>
09:30 – 10:00	Chirulli <i>Cooper quartets in interacting hybrid superconducting systems</i>
10:00 – 10:30	Grilli <i>The Shrinking Fermi liquid theory for strange metallicity in cuprates</i>
10:30 – 11:00	Coffee Break
11:00 – 11:30	Bergeal <i>Superconductivity and Rashba spin orbit coupling in KTaO₃ - based 2DEG</i>
11:30 – 12:00	Stornauiuolo <i>Magneto-transport in a spin-polarized oxide two-dimensional electron system</i>
12:00 – 12:30	Poccia <i>New avenues for artificial 2.5-dimensional superconducting heterostructures</i>
13:00 – 14:00	Lunch
14:00 – 14:30	Paternostro <i>Non-equilibrium quantum thermodynamics of gravitational collapse models</i>
14:30 – 15:00	Carollo <i>Measurement-Induced Phase Transitions Under Information Loss</i>
15:00 – 15:30	Perroni <i>Dissipation-driven dynamical and topological phase transitions: from few- to many-body quantum systems</i>
15:30 – 16:00	Coffee Break
16:00 – 16:20	Blasi <i>Topological Josephson junctions in the integer quantum Hall regime</i>
16:20 – 16:40	Capecelatro <i>Andreev non-Hermitian Hamiltonian for Open Josephson junctions from Green's functions</i>
16:40 – 17:10	Picó-Cortés <i>Nonequilibrium Josephson and Andreev Transport in the Cotunneling Regime of Quantum Dot Junctions</i>
17:10 – 17:30	Vigliotti <i>Non-equilibrium photonic kinetics in a Josephson junction chain</i>
17:30 – 17:50	Vianello <i>Finite-temperature entanglement and coherence in asymmetric bosonic Josephson junctions</i>
20:00 – 22:00	Social Dinner

Wednesday 30/04



Speaker	Talk
09:00 – 09:30	Andrei <i>Quantum Zeno Effect in Noisy Integrable Quantum Circuits for Impurity Models</i>
09:30 – 10:00	De Palo <i>Quasi-one dimensional dipolar bosonic systems: from gas to droplets and their fragmentation</i>
10:00 – 10:30	Del Pace <i>Topological excitations of atomic Fermi superfluids in arbitrary optical structures</i>
10:30 – 11:00	Coffee Break
11:00 – 11:30	Giannetti <i>Mott materials: a journey from non-thermal switching to ultrafast coherent control</i>
11:30 – 12:00	Lo Franco <i>Proof-of-principle demonstration of quantum effects in nonequilibrium entropy production via quantum photonics</i>
12:00 – 12:30	Neilson <i>A new Gross-Pitaevskii approach for exciton superfluids and incompressible supersolids</i>
12:30 – 14:00	Lunch
14:00 – 14:30	Governale <i>Odd-frequency superfluidity from a particle-number-conserving perspective</i>
14:30 – 15:00	Peña Ardila <i>Charged Polarons in atom-ion hybrid systems</i>
15:00 – 15:30	Ciccarello <i>Emission of qubits into the bulk or photonic graphene</i>
15:30 – 16:00	Coffee Break
16:00 – 16:20	Bhattacharyya <i>Majorana fermions in filamentary low dimensional superconductors</i>
16:20 – 16:40	Ponticelli <i>Quantum vs thermal fluctuations in two-dimensional superconductors</i>
16:40 – 17:10	Spada <i>Exploring Two-Dimensional Bose Gases: From Superfluid Droplets to Supersolids</i>
17:10 – 17:30	Sferrazza <i>Square-Root Topology in Quantum Optics</i>
17:30 – 17:50	Pascucci <i>Density collective modes in bilayer exciton systems</i>
Discussions & Closing Remarks	