

	9 th Tuesday	10 th Wednesday	11 nd Thursday	12 th Friday
9:00-9:30	Immanuel Bloch TBA	Alexia Auffeves The energetic side of quantum noise	Verónica Ahufinger Ultracold atoms carrying orbital angular momentum: Quantum sensing and topology	Adán Cabello The physical origin of quantum nonlocality and contextuality
9:30-9:50	Ricardo Puebla A generalized quantum Rabi model as a linear key to nonlinear and multiphoton interactions	Mark Mitchison Quasi-periodic quantum thermal machines	Santiago Oviedo-Casado Limits on spectral resolution measurements by quantum probes	Antonella De Pasquale Dynamical description of quantum measurements.
9:50-10:20	John Goold Thermodynamics of precision in quantum non equilibrium steady states	Gabriele De Chiara Local master equations are consistent with quantum thermodynamics	Alessio Celi Emerging 2D Gauge theories in Rydberg atomic systems	Ángel Rivas Measures and estimators of correlation for quantum dynamics
10:20-10:40	Jessica Eastman Controlling chaos in the quantum regime using adaptive measurements	Luis Correa Local quantum thermometry at ultra-low temperatures	Sebastien Gleyzes Quantum metrology with Rydberg atoms	Paola Verrucchi Whenever a quantum environment emerges as a classical system, it behaves like a measuring apparatus
10:40-11:10	Elisa Ercolessi Quantum simulations of Topological QED in 1+1 dimensions	Jörg Schmiedmayer Universal Dynamics far from equilibrium	Francesco Ticozzi From quantum marginals to stable entangled states with quasi-local dissipation and cooling	Marcus Huber Quantum measurements and the third law of thermodynamics
11:10-11:50	Coffee	Coffee	Coffee	Coffee
11:50-12:20	Mario Collura Neural network quantum states as constrained Tensor network states: what is worth and what does not	Martin Plenio Control Methods for Nanoscale Sensors and Trapped Ion Quantum Simulators	Miguel Ortuño Construction of many-body non-gaussian states with integrals of motion	Susanne Yelin Controlling light-matter interactions using cooperative radiation
12:20-12:40	Carlos González-Ballester New regimes of light-matter interaction in levitated nanoparticles	Alexander Jahn Holography in free fermionic tensor networks	Lukas Sieberer Digital Quantum Simulation, Trotter Errors, and Quantum Chaos of the Kicked Top	Angelo Russomanno Discrete time-translation symmetry breaking
12:40-13:10	Julian Leonard Probing entanglement in a many-body-localized system	Javier Molina Quantum Thermodynamics and Information Scrambling in Chaotic Quantum Systems	Moshe Goldstein Topology by dissipation: Novel transport properties and disorder-induced criticality	Simone Notarnicola Quantum simulation of Abelian lattice gauge theories with Rydberg atoms
	Lunch	Lunch	Lunch	Lunch
15:00-15:30	Paolo Villoresi Quantum Mechanics under test using qubits in Space	Gerschon Kurizki Quantum thermodynamic devices under control	Guido Pupillo TBA	Misha Lukin Exploring quantum dynamics using Rydberg atom arrays
15:30-15:50	Giuseppe Falci Speedup of high-fidelity adiabatic multiqubit gate by ultrastrong coupling of matter and radiation	Juan José García Ripoll Nonequilibrium physics in superconducting microwave photonics	Louk Rademaker Quantum Mechanics under test using qubits in Space	Raam Uzdin High-resolution thermodynamics in quantum microscopic setups
15:50-16:20	Andrea Smirne Coherence trapping in frequency estimation	Lorenzo Maccone Quantum measurements of time	Sandro Donadi Analytical results on the asymptotic dynamics of complex open quantum systems	L. Salasnich Dissipative and non-dissipative quantum dynamics of bosons in a Josephson junction
16:20-17:00	Coffee	Coffee	Coffee	Coffee
17:00-17:30	Paolo Facchi Correlated photon emission and entanglement generation by an atom pair in a waveguide	Pietro Silvi Probing quantum critical dynamics on a programmable Rydberg simulator	Davide Rossini Persistent currents by reservoir engineering	
17:30-17:50	Manuel Pino García Quantum annealing in spin-boson model: from a perturbative to a ultrastrong mediated coupling	Dario Tamascelli Efficient simulation of finite-temperature open quantum systems	Elena Ferraro Relaxation and decoherence time estimations of the hybrid qubit in Silicon quantum dots	
18:30-21:00	Welcome drinks/Buffer		Poster Session/Buffer	