

	9 <sup>th</sup> Tuesday	10 <sup>th</sup> Wednesday	11 <sup>nd</sup> Thursday	12 <sup>th</sup> Friday
9:00-9:30	<b>Immanuel Bloch</b> TBA	<b>Alexia Auffeves</b> TBA	<b>Misha Lukin</b> TBA	<b>Martin Plenio</b> Control Methods for Nanoscale Sensors and Trapped Ion Quantum Simulators
9:30-9:50	<b>Ricardo Puebla</b> A generalized quantum Rabi model as a linear key to nonlinear and multiphoton interactions	<b>Mark Mitchelson</b> TBA	<b>Santiago Oviedo-Casado</b> Limits on spectral resolution measurements by quantum probes	<b>Tankut Can</b> Random Lindblad Dynamics
9:50-10:20	<b>John Goold</b> Thermodynamics of precision in quantum non equilibrium steady states	<b>Gabriele De Chiara</b> Local master equations are consistent with quantum thermodynamics	<b>Alessio Celi</b> Emerging 2D Gauge theories in Rydberg atomic systems	<b>Ángel Rivas</b> Measures and estimators of correlation for quantum dynamics
10:20-10:40	<b>Jessica Eastman</b> Controlling chaos in the quantum regime using adaptive measurements	<b>Luis Correa</b> Local quantum thermometry at ultra-low temperatures	<b>Sebastien Gleyzes</b> Quantum metrology with Rydberg atoms	<b>Peter Kirton</b> Efficient non-Markovian quantum dynamics using time-evolving matrix product operators
10:40-11:10	<b>Elisa Ercolessi</b> Quantum simulations of Topological QED in 1+1 dimensions	<b>Marcus Huber</b> Quantum measurements and the third law of thermodynamics	<b>Roberta Citro</b> Phase diagram of a bosonic ladder in an artificial gauge field	<b>Jianshu Cao</b> Non-perturbative polaron formulation of coherent transfer and conversion
11:10-11:50	Coffee	Coffee	Coffee	Coffee
11:50-12:20	<b>Mario Collura</b> Neural network quantum states as constrained Tensor network states: what is worth and what does not	<b>Adán Cabello</b> The physical origin of quantum nonlocality and contextuality	<b>Verònica Ahufinger</b> Ultracold atoms carrying orbital angular momentum: Quantum sensing and topology	<b>Susanne Yelin</b> Controlling light-matter interactions using cooperative radiation
12:20-12:40	<b>Carlos González-Balletero</b> New regimes of light-matter interaction in levitated nanoparticles	<b>Alexander Jahn</b> Holography in free fermionic tensor networks	<b>Nur Ünäl</b> How to Directly Measure Floquet Topological Invariants in Optical Lattices	<b>Angelo Russonmanno</b> Discrete time-translation symmetry breaking
12:40-13:10	<b>Julian Leonard</b> Probing entanglement in a many-body-localized system	<b>Javier Molina</b> Quantum Thermodynamics and Information Scrambling in Chaotic Quantum Systems	<b>Moshe Goldstein</b> Topology by dissipation: Novel transport properties and disorder-induced criticality	<b>Paola Verrucchi</b> Whenever a quantum environment emerges as a classical system, it behaves like a measuring apparatus
	Lunch	Lunch	Lunch	Lunch
15:00-15:30	<b>Paolo Villoresi</b> Quantum Mechanics under test using qubits in Space	<b>Gerschon Kurizki</b> Quantum thermodynamic devices under control	<b>Guido Pupillo</b> TBA	<b>Jörg Schmiedmayer</b> TBA
15:30-15:50	<b>Pino Falci</b> Speedup of high-fidelity adiabatic multiqubit gate by ultrastrong coupling of matter and radiation	<b>Juan José García Ripoll</b> Nonequilibrium physics in superconducting microwave photonics	<b>Louk Rademaker</b> Quantum Mechanics under test using qubits in Space	<b>Raam Uzdin</b> High-resolution thermodynamics in quantum microscopic setups
15:50-16:20	<b>Andrea Smirne</b> Coherence trapping in frequency estimation	<b>Lorenzo Maccone</b> Quantum measurements of time	<b>Miguel Ortuño</b> Construction of many-body non-gaussian states with integrals of motion	<b>Guillermo Romero</b> Dynamical quantum phase transitions and non-Markovian dynamics
16:20-17:00	Coffee	Coffee	Coffee	Coffee
17:00-17:30	<b>Paolo Facchi</b> Correlated photon emission and entanglement generation by an atom pair in a waveguide	<b>Pietro Silvi</b> TBA	<b>Davide Rossini</b> Persistent currents by reservoir engineering	
17:30-17:50	<b>Manuel Pino</b> Quantum annealing in spin-boson model: from a perturbative to a ultrastrong mediated coupling	<b>Antonella De Pasquale</b> Dynamical description of quantum measurements.	<b>Elena Ferraro</b> Relaxation and decoherence time estimations of the hybrid qubit in Silicon quantum dots	
17:50-18:10	<b>Dario Tamascelli</b> Efficient simulation of finite-temperature open quantum systems	<b>Sandro Donadi</b> Analytical results on the asymptotic dynamics of complex open quantum systems	<b>Francesco Ticozzi</b> From quantum marginals to stable entangled states with quasi-local dissipation and cooling	
	Welcome drinks/Buffer		Poster Session/Buffer	