

	9 th Tuesday	10 th Wednesday	11 nd Thursday	12 th Friday
9:00-9:30	Immanuel Bloch	Alexia Auffeves	Misha Lukin	Martin Plenio Control Methods for Nanoscale Sensors and Trapped Ion Quantum Simulators
9:30-9:50	Ricardo Puebla A generalized quantum Rabi model as a linear key to nonlinear and multiphoton interactions	Matt Mitchelson	Santiago Oviedo-Casado Limits on spectral resolution measurements by quantum probes	Tankut Can Random Lindblad Dynamics
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	Peter Kirton Efficient non-Markovian quantum dynamics using time-evolving matrix product operators
10:40-11:10	Elisa Ercolessi Quantum simulations of Topological QED in 1+1 dimensions	Marcus Huber Quantum measurements and the third law of thermodynamics	Roberta Citro Phase diagram of a bosonic ladder in an artificial gauge field	Jianshu Cao Non-perturbative polaron formulation of coherent transfer and conversion
11:10-11:50	Coffee	Coffee	Coffee	Coffee
11:50-12:20	Peter Zoller	Adán Cabello The physical origin of quantum nonlocality and contextuality	Verónica Ahufinger Ultracold atoms carrying orbital angular momentum: Quantum sensing and topology	Paolo Villorresi Quantum Mechanics under test using qubits in Space
12:20-12:40	Carlos González-Ballesterro New regimes of light-matter interaction in levitated nanoparticles	Alexander Jahn Holography in free fermionic tensor networks	Nur Ünál How to Directly Measure Floquet Topological Invariants in Optical Lattices	Angelo Russonmanno Discrete time-translation symmetry breaking
12:40-13:10	Juan José García Ripoll Nonequilibrium physics in superconducting microwave photonics	Javier Molina Quantum Thermodynamics and Information Scrambling in Chaotic Quantum Systems	Moshe Goldstein Topology by dissipation: Novel transport properties and disorder-induced criticality	Paola Verrucchi Whenever a quantum environment emerges as a classical system, it behaves like a measuring apparatus
	Lunch	Lunch	Lunch	Lunch
15:00-15:30	Susanne Yelin Controlling light-matter interactions using cooperative radiation	Gerschon Kurizki Quantum thermodynamic devices under control	Guido Pupillo	Jörg Schmiedmayer
15:30-15:50	Pino Falci Speedup of high-fidelity adiabatic multiqubit gate by ultrastrong coupling of matter and radiation	Mario Collura How order melts after quantum quenches	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	Miguel Ortuño Construction of many-body non-gaussian states with integrals of motion	Guillermo Romero Dynamical quantum phase transitions and non-Markovian dynamics
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	Davide Rossini Persistent currents by reservoir engineering	
17:30-17:50	Manuel Pino Quantum annealing in spin-boson model: from a perturbative to a ultrastrong mediated coupling	Antonella De Pasquale Dynamical description of quantum measurements.	Elena Ferraro Relaxation and decoherence time estimations of the hybrid qubit in Silicon quantum dots	
17:50-18:10	Dario Tamascelli Efficient simulation of finite-temperature open quantum systems	Sandro Donadi Analytical results on the asymptotic dynamics of complex open quantum systems	Francesco Ticozzi From quantum marginals to stable entangled states with quasi-local dissipation and cooling	
	Welcome drinks & appetizers		Poster Session/drinks & appetizers	

