

# Conference Programme



## Thursday 18/9

Morning session 9.00 – 12.25

Afternoon session 14.30 – 17.55

Registration desk will be open  
8.30 – 9.30

9.00	9.35	<b>Elements of Quantum Simulations with Trapped Ions using MAGIC</b>	<b>Christof Wunderlich</b>
9.35	9.55	Quantum crystals of photons and atoms	Giovanna Morigi
9.55	10.15	Multimode state characterization by weak-field homodyning	Marco Barbieri
10.15	10.35	Optimal persistent currents for interacting bosons on a 1D ring with a gauge field	Matteo Rizzi
10.35	11.05	<i>Coffee break</i>	
11.05	11.25	Many-body localization and ergodicity in disordered long-range Ising models	Philipp Hauke
11.25	11.45	Schmidt modes description of the radiation field produced by high-gain parametric down conversion	Alessia Allevi
11.45	12.05	Interference in a Bose-Einstein condensate is typical	Francesco Vincenzo Pepe
12.05	12.25	Out-of-equilibrium dynamics and thermalization of string order	Leonardo Mazza
12.25	14.30	<i>Lunch break</i>	
14.30	15.05	<b>Characterizing topological orders in quantum matter</b>	<b>Frank Pollman</b>
15.05	15.25	Simulating Lattice Gauge field theories with Tensor Networks	Pietro Silvi
15.25	15.45	Ultrafast quantum optics based on telecommunication technologies	Virginia D'Auria
15.45	16.05	Randomness evaluation and certification in a steering scenario	Elsa Passaro
16.05	16.35	<i>Coffee break</i>	
16.35	16.55	Randomized Graph States and their Entanglement Properties	Chiara Macchiavello
16.55	17.15	Kitaev chains with long-range pairing	Davide Vodola
17.15	17.35	Measuring the reservoir spectral density via photon scattering	Francesco Ciccarello
17.35	17.55	Efficient experimental validation of photonic Boson Sampling	Nicolò Spagnolo