

	Monday	Tuesday	Wednesday	Thursday	Friday
8:45 - 9:00	Opening				
9:00 - 9:40	Markus Oberthaler TBA	Ruth Gregory TBA	Udo Seifert Stochastic thermodynamics: From concepts to model-free inference	Lukas Novotny Classical and quantum fluctuations probed with a levitated nanoparticle	Omar Jesús Franca Santiago (9:00 - 9:25) Purcell effect in chiral environments
9:40-10:05	David Clement Emergence of non-Gaussian atom correlations in strongly interacting ultracold Bose gases	Ian Moss Dark Matter Droplets	Maximilian Lock Emergence of a second law of thermodynamics in isolated quantum systems	Kimball Milton Quantum Vacuum Self-Propulsion and Self-Torque of Inhomogeneous Bodies out of Thermal Equilibrium	McGregor William (9:25 - 9:50) Cavity Decay Rate with Non-Reciprocal Media
10:05 - 10:30	Kevin Geier Superfluidity and sound propagation in disordered Bose gases	Nick Proukakis Fluctuations in Superfluids: Analogies between Ultracold Atoms and Cosmological Fuzzy Dark Matter, and Related Modelling Challenges	Eric Lutz Fluctuations and stability of quantum heat engines	Daniel Bloch Near-Field Thermal and Vacuum Fluctuations at an Interface: Experimental Attempts for a Precise Determination of Surface Resonances	Šimon Gabaj (9:50 - 10:15) Modifying quantum friction with advanced material properties
10:30 - 11:10	coffee break	coffee break	coffee break	coffee break	coffee break (10:15 - 10:55)
11:10 - 11:50	Gabriele Ferrari False vacuum decay via bubble nucleation in ferromagnetic superfluids	Silke Weinfurter TBA	Massimiliano Esposito Macroscopic stochastic thermodynamics	Ricardo Decca New scheme for measurement of short range forces	Jaehyeok Jin (10:55 - 11:20) Auxiliary Field Classical Monte Carlo: Integrating Quantum and Classical Sampling into Bottom-Up Field-Theoretical Modeling
11:50 - 12:15	Lilia Woods Quantum Friction and Landau-Zener tunneling in dissipative systems	Friedric Koenig Quasinormal modes of optical solitons	Benjamin Lindner Linear and nonlinear fluctuation-response relations in non-equilibrium systems - spiking neurons, stochastic oscillators, and particles in an active bath	Carles Marti Farras Numerical Evaluation of Casimir-Lifshitz Forces in the Time Domain	Viktor Pergamenschchik (11:20 - 11:45) General hydrodynamic approach for a cold Bose gas
12:15 - 14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 -14:40	Giovanna Morigi Quantum walk on a graph with long-range hopping	Bei-Lok Hu Fluctuations of Quantum Fields and Thermodynamics of Spacetime	Henkel Carsten Hybrid dynamics of quantum systems coupled to a small heat bath	Roberto Passante Radiation-mediated processes between atoms in external backgrounds or in non-inertial frames	Departure
14:40 - 15:05	Rodrigo Camara Topological Properties of Spin Dynamics and Symmetry-Breaking in Chiral Atomic Systems	Scott Robertson Particle and entanglement production in an analogue preheating experiment	Philipp Strasberg Emergent decoherent histories in isolated quantum many-body systems	Lucia Rizzuto Dispersion interactions in external environments	
15:05 - 15:30	Oksana Chelpanova Semi-classical dynamics of quantum spin chains in the presence of a non-Markovian environment	Sascha Lang Spontaneous photon production in a tuneable dielectric	Krzysztof Ptaszynski Dynamical signatures of discontinuous phase transitions: exponential versus power-law scaling	Romuaid Kilianski Inverse design of Casimir-Polder interactions	
15:30 - 16:10	coffee break	coffee break	coffee break	coffee break	
16:10 - 16:50	Pierre-François Cohadon From Gravitational-Wave Detection to Quantum Optomechanics	Iacopo Carusotto Quantum fluctuations in backreaction phenomena	Tuan Pham (16:10 - 16:35) Irreversibility in Non-reciprocal Chaotic System	Miles Blencowe Mapping gravitational decoherence and entanglement to multimode optomechanics	
16:50 - 17:15	Fabio Lingua Continuous-variable square-ladder cluster states in a microwave frequency comb	Poster flashes	Poster flashes	Steven Kim Superbunched Radiation of a Tunnel Junction due to Charge Quantization	
17:15 - 17:30	Stefan Jorda About the Wilhelm and Else Heraeus Foundation				
17:30 - 18:00		Poster session	Poster session		
18:00 - 18:30					
18:30	Dinner and get together	Dinner and get together	Heraeus dinner	Dinner and get together	
	Atomic and metrology	Gravity and analogue models	Statistical physics	Light-Matter	Light-Matter

Chairmain: Salvatore Giulio Butera

Chairmain: Iacopo Carusotto

Chairmain: Carsten Henkel

Chairmain: Kurt Busch

Chairmain: Roberto Passante

Chairmain: Gabriele Ferrari

Chairmain: Miles Blencowe

Chairmain: Benjamin Lindner

Chairmain: Francesco Intravaia