

Poster Session III

Poster Number	Title	Name
22	Fermi polarons in doped two-dimensional semiconductors	Jesper Levinsen (Monash University)
30	Observation of Rydberg blockade due to the charge-dipole interaction between an atom and a polar molecule	Simon Cornish (Durham University)
5	Rotons and their damping in elongated dipolar Bose-Einstein condensates	Mikhail Baranov (Institute for Theoretical Physics, University of Innsbruck)
40	Dissipative time crystals in an atom-cavity system	Phatthamon Kongkhambut (Zentrum für Optische Quantentechnologien and Institut für Laser-Physik, Universität Hamburg, 22761 Hamburg, Germany)
14	Realization of 1D Anyons with Arbitrary Statistical Phase	Brice Bakkali-Hassani (Harvard University)
19	Quantum simulation of the central spin model with a Rydberg atom and polar molecules in optical tweezers	Michal Tomza (University of Warsaw)
31	Making statistics work: a quantum engine in the BEC-BCS crossover	Eloisa Cuestas (National Scientific and Technical Research Council of Argentina, Argentina and OIST Graduate University, Japan)
23	Vortex qubit in a superfluid	Tapio Simula (Optical Sciences Centre, Swinburne University of Technology)
6	Supersolid Phases of Dipolar and Spin-Orbit Coupled Bosons in Optical Lattices	Carlos Sa de Melo (Georgia Institute of Technology)
41	Cavity QED with an atom tweezer array	Dan Stamper-Kurn (University of California Berkeley)
24	Dynamics after a quantum quench in Bose-Hubbard systems: Correlation spreading and disorder-free localization	Ippei Danshita (Kindai University)

43	Engineering long-range fermion-mediated interactions in cold-atom quantum simulators	Javier Argüello-Luengo (ICFO-The Institute of Photonic Sciences)
32	Experiments with cold molecular lanthanides	Giacomo Valtolina (FHI - MPG)
7	Vortex lattice nucleation in dipolar Bose-Einstein condensates	Andy Martin (University of Melbourne)
1	Quasiparticle localization in a flat band superconductor	Sebastiano Peotta (Department of Applied Physics, Aalto University - School of Science)
15	Emergent fractonic constraints in tilted optical lattices	Michael Knap (Technical University of Munich)
25	Floquet-engineered pair and single-particle filters in the Fermi-Hubbard model	Ameneh Sheikhan
33	Interplay between S-matrix resonance poles in an ultracold atom collider	Niels Kjaergaard (Department of Physics, University of Otago, New Zealand)
34	One-axis twisting as a method of generating many-body Bell correlations	Marcin Płodzień (ICFO - The Institute of Photonic Sciences)
8	Shapiro steps in driven atomic Josephson junctions	Vijay Singh (Quantum Research Centre, Technology Innovation Institute, Abu Dhabi, UAE)
2	Spatially Dressed States Create a Narrow Barrier for Soliton Interferometry	Simon Gardiner (Durham University)
16	Programmable Quantum Simulation of the Fermi-Hubbard Model	Philipp Preiss (Max Planck Institute of Quantum Optics)
20	Kinetic frustration in ultracold atomic systems: from hole-magnon bound states to kinetic magnetism	Ivan Morera Navarro (University of Barcelona)

26	Novel phase transitions in disordered quantum systems	Georgy Shlyapnikov (LPTMS, CNRS)
35	Interactions in Rabi-coupled two-component Bose-Einstein condensates	Thomas Bourdel (Laboratoire Charles Fabry, Institut d'optique)
17	Er-Li: A little explored quantum gas mixture with unique opportunities	Christian Groß (University of Tuebingen)
44	Engineering non-local interactions and geometrical frustration in synthetic quantum matter	Luca Barbiero (politecnico di Torino)
3	The cold-atom elevator: From edge-state injection to the preparation of fractional Chern insulators	Nathan Goldman (ULB)
27	Melting of a vortex lattice in a fast rotating Bose gas	Hélène Perrin (Laboratoire de physique des lasers - CNRS - Université Sorbonne Paris Nord)
46	Mediated Interaction between Ions in Quantum Degenerate Gases	Shanshan Ding (Aarhus University)
36	Atom laser-based measurements of optical and magnetic potentials	Maren Mossman (University of San Diego)
10	Dynamics of Stripe Patterns in Supersolid Spin-Orbit-Coupled Bose Gases	Kevin T. Geier (University of Trento)
21	Magnetically mediated hole pairing in fermionic ladders of ultracold atoms	Sarah Hirthe (ICFO)
28	A 2D Bose gas to study quantum hydrodynamic instabilities	Patricia Christina Marques Castilho (Universidade de São Paulo (IFSC-USP))
37	Evaporative cooling and tetramer association of MW-shielded ground-state polar molecules	Timon Hilker (Max Planck Institute of Quantum Optics)

18	N-atom cavity QED: from cavity protection to quantum simulations with long-range interactions	Jakob Reichel (LKB)
11	Polaron interaction in superfluids	Tilman Enss
46	Open and driven quantum gases	André Eckardt (Technische Universität Berlin)
12	Emergence of hydrodynamics in a mesoscopic fermi gas	Philipp Lunt (University of Heidelberg)
29	Coarsening dynamics in far-from-equilibrium two-dimensional Bose gas: How far is far?	Maciej Galka (Universität Heidelberg)
38	Multichannel nature of elastic and inelastic three-body collisions	Servaas Kokkelmans (Eindhoven University of Technology)
4	Quantum Hall physics in a quantum Foucault pendulum	Richard Fletcher (MIT)
45	Spectroscopy and Emergent Order in an Ultracold Mixture of 87Rb-40K	Nir Davidson (weizmann institute)
39	The shape of three-body interactions near narrow Feshbach resonances	Lev Khaykovich (Department of Physics, Bar-Ilan University, Israel)
13	Quantized vortices and sound velocities across the superfluid-supersolid phase transition in a dipolar Bose gas	Marija Šindik (Pitaevskii BEC Center, University of Trento)
42	Simulating high harmonic generation with ultracold atoms	Javier Argüello-Luengo (ICFO-The Institute of Photonic Sciences)
47	Quantum gas microscopy of triangular-lattice Mott insulators	Peter Schauss (University of Virginia)