

## Poster Session II

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18	A new quantum computation and simulation platform based Yb Rydberg atoms in optical tweezers	Christoph Becker (University of Hamburg)
19	An interaction-driven quantum heat engine using a Lieb-Liniger gas	Karen Kheruntsyan (University of Queensland)
6	DC transport in a dissipative superconducting quantum point contact	Anne-Maria Visuri (University of Bonn)
26	Dipolar Hubbard and spin systems revisited	Maciej Lewenstein (ICFO)
10	Phase Diagram Detection via Gaussian Fitting of Number Probability Distribution	Matteo Rizzi (FZ Jülich GmbH & Uni zu Köln -- Germany)
31	Rydberg quantum simulator using strontium atoms in tweezers	Robert Spreeuw (University of Amsterdam)
20	Evolution of entanglement entropy of strongly correlated bosons in an optical lattice	Shion Yamashika (Department of Physics, Chuo University)
38	False vacuum decay via bubble formation in a ferromagnetic BEC	Gabriele Ferrari (University of Trento, Italy)
7	Continuous measurement of position and momentum of a particle	Mariusz Gajda (Institute of Physics, PAN)
3	Ultrafast Quantum Simulator using Ultracold Rydberg Excited atomic Mott-Insulator	Vikas Singh Chauhan (Institute for Molecular Science)
45	Chiral orbital order without higher bands	Marco Di Liberto (University of Padua)

21	A new-generation dysprosium quantum-gas experiment for exploring dipolar many-body physics in two dimensions.	Lauriane Chomaz (Universität Heidelberg)
8	A new ytterbium experiment for single-atom resolved quantum impurity problems	Francesco Scazza (University of Trieste and CNR-INO)
39	Strongly-Correlated Bosons in Optical Quasicrystals: Localization, fractality, and Bose-glass physics	Laurent Sanchez-Palencia (CNRS and Ecole Polytechnique)
22	Thermal fluctuations in two-dimensional dilute atomic gases	Arko Roy (IIT Mandi)
11	Phase diagram for strong-coupling Bose polarons	Arthur Christianen (Max Planck Institute of Quantum Optics)
12	Critical quantum thermometry and its feasibility in spin systems	Emilia Witkowska (Institute of Physics Polish Academy of Sciences)
23	Nonergodic dynamics in strongly interacting 1D systems.	Zakrzewski Jakub (Jagiellonian University)
40	Helical finite-momentum superfluids	Leo Radzihovsky (University of Colorado at Boulder)
32	A dysprosium quantum gas microscope	Lucas Lavoine (University of Stuttgart, 5th Institute of Physics)
46	Constructing a lattice model for traid anyons	Nathan Harshman (Physics Department, American University)
28	Preparation of the Spin-Mott State: A Spinful Mott Insulator of Repulsively Bound Pairs	Enid Cruz-Colón (MIT)
9	Irreversible entropy transport enhanced by proximity to fermionic superfluidity	Tilman Esslinger (ETH Zurich)

41	The Phase Coherence of Molecular Bose condensates	Tin-Lun Ho (The Ohio State University)
1	Light-mediated strong coupling of ultracold atoms and a nanomechanical oscillator	Philipp Treutlein (University of Basel)
2	Einstein-Podolsky-Rosen experiment with two Bose-Einstein condensates	Philipp Treutlein (University of Basel)
33	Towards quantum simulations with strontium atoms	Guillaume Salomon (Hamburg University)
37	Compressing a quantum gas of light and determining its equation of state	Martin Weitz (Universität Bonn)
47	Dynamics of massive superfluid vortices	Pietro Massignan (Universitat Politècnica de Catalunya)
29	Lattice induced resonance revealed by metastable spin helix	Hanzhen Lin (MIT)
4	Towards ultracold RbSr ground-state molecules	Klaasjan van Druten (University of Amsterdam)
24	Equilibrium coherence and persistent circulation of long-lifetime polariton condensates	David Snoke (University of Pittsburgh)
13	Rotation sensor in a cavity-BEC system, and critical dynamics in 2d condensates	Ludwig Mathey (IQP/ZOQ, UHH)
14	Large-Scale Condensation and Turbulent Vortex Tangles: Transferring Ideas from Quantum Gases to Cosmological Dark Matter	Nick Proukakis (Newcastle University)
42	New results in solitons: Realization of Peregrines and a dense soliton gas	Peter Engels (Washington State University)

25	Long-lived Higgs mode in a strongly interacting Fermi gas	Cesar Cabrera Cordova (Universität Hamburg)
34	Learning field theory Hamiltonians in continuous quantum systems	Maximilian Prüfer (TU Wien)
43	Exploring the Supersolid Stripe Phase in a Bose-Einstein Condensate with Spin-Orbit Coupling	Craig Chisholm (ICFO - The Institute of Photonic Sciences)
44	Binary supersolids in dipolar condensate mixtures	Russell Bisset (University of Innsbruck)
15	Topological and dynamical gauge theories with ultracold atoms	Alessio Celi (Universitat Autònoma de Barcelona)
5	Collective dynamics of coupled atomic arrays: from near- to far-field regimes	Nigel Cooper (University of Cambridge)
48	Topology in multilevel systems and non-Abelian Floquet braiding	Nur Ünal (University of Cambridge)
16	Local Hilbert space fragmentation in flat-band lattices	Verònica Ahufinger (Universitat Autònoma de Barcelona)
27	Exploring low-temperature phases of spin-imbalanced 2D superfluids in box potentials	Henning Moritz (University of Hamburg)
35	Quantum gas microscopy of strontium BECs in a clock-magic optical lattice	Jonatan Höschle (ICFO - Institut de Ciències Fotoniques)
17	Cold atom experiments aboard the international space station	Nicholas Bigelow (University of Rochester)
49	Quantised pumping in optical lattices: interactions and edge modes	Konrad Viebahn (ETH Zurich)

30	Induced interactions, magnetic polarons, and strings with cold atoms	Georg Bruun (Aarhus University)
36	Frustration and kinetic magnetism in a Fermi-Hubbard Simulator	Martin Lebrat (Harvard University)