LIST OF ABSTRACTS - POSTERS

Poster Session I

Poster Number	Title	Name
22	fading of the 1/k ⁴ -tail of the momentum distribution induced by the hole anomaly	Giulia De Rosi (UPC - Universitat Politècnica de Catalunya)
42	Measuring the environment of a Cs qubit with dynamical decoupling sequences	Sabrina Burgardt
31	Dual-type Dual-element Atom Array for Quantum Computation and Simulation	Wenchao Xu (ETH Zurich)
1	Strongly interacting lattice fermions with coherent state manipulation: from universal Hall response to Hall voltage measurement	Tianwei Zhou (Department of Physics and Astronomy, University of Florence)
32	Impact of trans-Planckian excitations on black-hole radiation in dipolar Bose- Einstein condensates	Uwe R. Fischer (Seoul National University)
5	Nonequilibrium Transport in a Josephson Junction Chain: Is There Negative Differential Conductivity?	Matthew Davis (University of Queensland)
23	Self-bound clusters of one-dimensional fermionic mixtures	María Carmen Gordillo (Universidad Pablo de Olavide)
6	Atomtronics: from many-body physics to quantum technologies	Luigi Amico (Quantum Research Centre, Technology Innovation Institute, Abu Dhabi)
33	Fourth cluster and virial coefficients of a unitary Fermi gas for an arbitrary mass ratio	Yvan Castin (LKB-ENS Paris)
19	Comprehensive Characterization of a State-of-the-Art Apparatus for Cold Electromagnetic Dysprosium Dipoles	Emil Kirilov (Innsbruck University)

43	Ultracold Bose Gases in Driven-Dissipative Environments	Herwig Ott
13	Quantum simulation with optical lattices and cavities	Julian Leonard (TU Wien)
45	Self-bound crystals of antiparallel dipolar mixtures	Maria Arazo (Universitat de Barcelona)
7	Quantum simulation of extended Bose- Hubbard models	Tobias Grass (DIPC - Donostia International Physics Center)
34	Resonantly interacting lithium-chromium Fermi mixtures	Matteo Zaccanti (INO-CNR & LENS, University of Florence)
14	Strongly-interacting Bose gases and the fate of the Bogoliubov's pairs at large interactions	David Clement (Institut d'Optique)
24	Self-Pinned State of Impurities in a Bose- Einstein Condensates	Thomas Busch (OIST Graduate University)
20	Spin Squeezing for Ultracold Fermions in Optical Lattices	Gediminas Juzeliūnas (Vilnius University)
48	Towards Discrete Time Crystals with Bouncing Bose-Einstein Condensates	Andrei Sidorov (Swinburne University of Technology)
25	Asymmetric Bethe Ansatz	Maxim Olshanii (Department of Physics, University of Massachusetts Boston)
35	Bose polarons in a homogeneous Bose- Einstein Condensate	Christoph Eigen (University of Cambridge)
49	Condensed Matter Physics in Big Discrete Time Crystals in a BEC	Peter Hannaford (Swinburne University of Technology)

8	Supersolidity of a dipolar Bose gas in an infinite tube: ground states and excitations	Blair Blakie (University of Otago)
36	Universal equation of state for wave turbulence in a quantum gas	Zoran Hadzibabic (University of Cambridge)
15	Charge order beyond pairing in mix- dimensional Fermi-Hubbard systems	Thomas Chalopin (Max-Planck-Institute for Quantum Optics)
2	Universal Hall Response with Strongly Interacting Fermions	Thierry Giamarchi (University of Geneva)
9	Measuring the dipolar interaction shift of the BEC critical temperature	Robert Smith (University of Oxford)
3	Quantum Simulating a lattice gauge theory: thermalization, many-body scarring, dynamical quantum phase transitions and meson scattering	Guoxian Su (Heidelberg University and USTC)
16	Can quantum simulators reveal the pairing mechanism in high-Tc superconductors?	Fabian Grusdt (LMU Munich)
37	Diabatic protocols for complex systems: Counterdiabatic optimised local driving	Callum Duncan (University of Strathclyde)
21	Magnetism in the two-dimensional dipolar XY model	Lode Pollet (LMU Munich)
46	Light-induced correlations in ultracold dipolar atoms	Patrick Windpassinger (JGU Mainz, Germany)
38	Thermometry for trapped fermionic atoms in the BCS limit	Axel Pelster (Department of Physics and Research Center OPTIMAS, RPTU Kaiserslautern-Landau, Germany)
27	Nonequilibrium dynamics of strongly interacting mixtures in 1D box traps	Silvia Musolino (Institut de Physique de Nice)

17	Simulating the same dynamics with different local Hamiltonians	Ayaka Usui (University of Barcelona)
47	Long-range-interacting spin and Hubbard models with dipolar particles	Luis Santos (Leibniz University of Hannover)
10	Observation of vortices in dipolar quantum gasses of dysprosium	Clemens Ulm (Institute for Quantum Optics and Quantum Information, Innsbruck)
28	Quantum Simulation of Spin-Charge Separation	Randall Hulet (Rice University)
11	Geometric Frustration with Negative Temperature States	Mehedi Hasan (University of Cambridge)
39	Realization of an ultracold indium gas	Travis Nicholson
29	Quantum liquids in low dimensional lattices	Bruno Julia Diaz (University of Barcelona)
4	Realizing the entanglement Hamiltonian of a topological quantum Hall system	Sylvain Nascimbene (Laboratoire Kastler Brossel)
40	Kibble-Zurek mechanism and beyond	Adolfo del Campo (University of Luxembourg)
12	Polarons in Fermi-Fermi and Fermi-Bose mixtures	Cosetta Baroni (IQOQI Innsbruck)
18	Fast Scrambling Transitions in Quantum Simulators	Andrew Daley (University of Strathclyde)
30	Emergent dynamics in a one-dimensional Bose gas	Federica Cataldini (VCQ - Atominstitut, Technische Universität Wien)

44	Dissipative preparation of a Floquet topological insulator in an optical lattice via bath engineering	Alexander Schnell (TU Berlin)
41	Ultracold Feshbach molecules in an orbital optical lattice	Yann Kiefer (Universität Hamburg)
26	Many-body Physics with Fermions in an Optical Box	Nir Navon (Yale University)