Bose-Einstein Condensation 2023

Sunday, 10 September 2023

Poster Session I (21:00 - 23:00)

[id] title	presenter	board
[79] Universal equation of state for wave turbulence in a quantum gas	HADZIBABIC, Zoran	
[192] Ultracold Feshbach molecules in an orbital optical lattice	Dr KIEFER, Yann	
[30] Ultracold Bose Gases in Driven-Dissipative Environments	Mr OTT, Herwig	
[71] Condensed Matter Physics in Big Discrete Time Crystals in a BEC	Prof. HANNAFORD, Peter	
[52] Self-Pinned State of Impurities in a Bose-Einstein Condensates	BUSCH, Thomas	
[95] Measuring the dipolar interaction shift of the BEC critical temperature	SMITH, Robert	
[29] Comprehensive Characterization of a State-of-the-Art Apparatus for Cold Electromagnetic Dysprosium Dipoles	Dr KIRILOV, Emil	
[122] Long-range-interacting spin and Hubbard models with dipolar particles	Prof. SANTOS, Luis	
[78] Supersolidity of a dipolar Bose gas in an infinite tube: ground states and excitations	BLAKIE, Blair	
[7] Measuring the environment of a Cs qubit with dynamical decoupling sequences	BURGARDT, Sabrina	
[113] Thermometry for trapped fermionic atoms in the BCS limit	Dr PELSTER, Axel	
[51] Strongly-interacting Bose gases and the fate of the Bogoliubov's pairs at large interactions	CLEMENT, David	
[155] Polarons in Fermi-Fermi and Fermi-Bose mixtures	Dr BARONI, Cosetta	
[162] Emergent dynamics in a one-dimensional Bose gas	CATALDINI, Federica	
[112] Light-induced correlations in ultracold dipolar atoms	WINDPASSINGER, Patrick	
[66] Bose polarons in a homogeneous Bose-Einstein Condensate	EIGEN, Christoph	
[172] Dissipative preparation of a Floquet topological insulator in an optical lattice via bath engineering	SCHNELL, Alexander	
[26] Fourth cluster and virial coefficients of a unitary Fermi gas for an arbitrary mass ratio	CASTIN, Yvan	
[136] Realization of an ultracold indium gas	NICHOLSON, Travis	
[5] Thermal fading of the $1/k^4$-tail of the momentum distribution induced by the hole anomaly	DE ROSI, Giulia	
[20] Self-bound clusters of one-dimensional fermionic mixtures	GORDILLO, María Carmen	
[65] Asymmetric Bethe Ansatz	OLSHANII, Maxim	
[128] Quantum Simulation of Spin-Charge Separation	HULET, Randall	
[138] Quantum liquids in low dimensional lattices	JULIA DIAZ, Bruno	
[53] Spin Squeezing for Ultracold Fermions in Optical Lattices	JUZELIŪNAS, Gediminas	
[22] Atomtronics: from many-body physics to quantum technologies	Prof. AMICO, Luigi	
[117] Simulating the same dynamics with different local Hamiltonians	USUI, Ayaka	

[50] Resonantly interacting lithium-chromium Fermi mixtures	ZACCANTI, Matteo	
[157] Fast Scrambling Transitions in Quantum Simulators	DALEY, Andrew	
[18] Nonequilibrium Transport in a Josephson Junction Chain: Is There Negative Differential Conductivity?	DAVIS, Matthew	
[46] Quantum simulation of extended Bose-Hubbard models	GRASS, Tobias	
[42] Self-bound crystals of antiparallel dipolar mixtures	ARAZO, Maria	
[12] Strongly interacting lattice fermions with coherent state manipulation: from universal Hall response to Hall voltage measurement	ZHOU, Tianwei	
[86] Universal Hall Response with Strongly Interacting Fermions	GIAMARCHI, Thierry	
[99] Quantum Simulating a lattice gauge theory: thermalization, many-body scarring, dynamical quantum phase transitions and meson scattering	SU, Guoxian	
[145] Realizing the entanglement Hamiltonian of a topological quantum Hall system	NASCIMBENE, Sylvain	
[80] Charge order beyond pairing in mix-dimensional Fermi-Hubbard systems	CHALOPIN, Thomas	
[111] Magnetism in the two-dimensional dipolar XY model	POLLET, Lode	
[102] Diabatic protocols for complex systems: Counterdiabatic optimised local driving	DUNCAN, Callum	
[14] Impact of trans-Planckian excitations on black-hole radiation in dipolar Bose-Einstein condensates	Prof. FISCHER, Uwe R.	
[61] Towards Discrete Time Crystals with Bouncing Bose-Einstein Condensates	Prof. SIDOROV, Andrei	
[154] Kibble-Zurek mechanism and beyond	DEL CAMPO, Adolfo	
[10] Dual-type Dual-element Atom Array for Quantum Computation and Simulation	Prof. XU, Wenchao	
[114] Nonequilibrium dynamics of strongly interacting mixtures in 1D box traps	MUSOLINO, Silvia	
[33] Quantum simulation with optical lattices and cavities	LEONARD, Julian	
[100] Can quantum simulators reveal the pairing mechanism in high-Tc superconductors?	GRUSDT, Fabian	
[125] Observation of vortices in dipolar quantum gasses of dysprosium	ULM, Clemens	
[133] Geometric Frustration with Negative Temperature States	HASAN, Mehedi	