

Bose-Einstein Condensation 2023

Monday, 11 September 2023

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

[id] title	presenter	board
[19] Amplitude oscillations of strongly interacting Fermi superfluids	VALE, Chris	
[193] Frustration and kinetic magnetism in a Fermi-Hubbard Simulator	Dr LEBRAT, Martin	
[83] Helical finite-momentum superfluids	RADZIHOVSKY, Leo	
[139] Exploring the Supersolid Stripe Phase in a Bose-Einstein Condensate with Spin-Orbit Coupling	Dr CHISHOLM, Craig	
[81] Critical quantum thermometry and its feasibility in spin systems	WITKOWSKA, Emilia	
[91] Irreversible entropy transport enhanced by proximity to fermionic superfluidity	ESSLINGER, Tilman	
[96] The Phase Coherence of Molecular Bose condensates	HO, Tin-Lun	
[39] Evolution of entanglement entropy of strongly correlated bosons in an optical lattice	YAMASHIKA, Shion	
[120] Rotation sensor in a cavity-BEC system, and critical dynamics in 2d condensates	MATHEY, Ludwig	
[106] Towards quantum simulations with strontium atoms	SALOMON, Guillaume	
[140] Binary supersolids in dipolar condensate mixtures	BISSET, Russell	
[127] New results in solitons: Realization of Peregrines and a dense soliton gas	ENGELS, Peter	
[124] Large-Scale Condensation and Turbulent Vortex Tangles: Transferring Ideas from Quantum Gases to Cosmological Dark Matter	PROUKAKIS, Nick	
[118] Equilibrium coherence and persistent circulation of long-lifetime polariton condensates	SNOKE, David	
[115] Towards ultracold RbSr ground-state molecules	VAN DRUTEN, Klaasjan	
[131] Long-lived Higgs mode in a strongly interacting Fermi gas	CABRERA CORDOVA, Cesar	
[45] Continuous measurement of position and momentum of a particle	GAJDA, Mariusz	
[2] A new Quantum Computation and simulation platform based on Yb Rydberg atoms in optical tweezers	Dr BECKER, Christoph	
[146] Collective dynamics of coupled atomic arrays: from near- to far-field regimes	COOPER, Nigel	
[142] Topological and dynamical gauge theories with ultracold atoms	CELI, Alessio	
[104] Einstein-Podolsky-Rosen experiment with two Bose-Einstein condensates	Prof. TREUTLEIN, Philipp	
[69] Thermal fluctuations in two-dimensional dilute atomic gases	ROY, Arko	
[158] Exploring low-temperature phases of spin-imbalanced 2D superfluids in box potentials	MORITZ, Henning	
[67] A new ytterbium experiment for single-atom resolved quantum impurity problems	Prof. SCAZZA, Francesco	
[151] Topology in multilevel systems and non-Abelian Floquet braiding	Dr ÜNAL, Nur	

[87] Constructing a lattice model for traid anyons	HARSHMAN, Nathan	
[9] An interaction-driven quantum heat engine using a Lieb-Liniger gas	KHERUNTSYAN, Karen	
[25] DC transport in a dissipative superconducting quantum point contact	VISURI, Anne-Maria	
[34] Phase Diagram Detection via Gaussian Fitting of Number Probability Distribution	RIZZI, Matteo	
[31] Dipolar Hubbard and spin systems revisited	Prof. LEWENSTEIN, Maciej	
[35] Rydberg quantum simulator using strontium atoms in tweezers	SPREEUW, Robert	
[56] A new-generation dysprosium quantum-gas experiment for exploring dipolar many-body physics in two dimensions.	CHOMAZ, Lauriane	
[48] Ultrafast Quantum Simulator using Ultracold Rydberg Excited atomic Mott-Insulator	CHAUHAN, VIKAS SINGH	
[84] A dysprosium quantum gas microscope	LAVOINE, Lucas	
[103] Light-mediated strong coupling of ultracold atoms and a nanomechanical oscillator	Prof. TREUTLEIN, Philipp	
[76] Phase diagram for strong-coupling Bose polarons	CHRISTIANEN, Arthur	
[156] Local Hilbert space fragmentation in flat-band lattices	AHUFINGER, Verònica	
[82] Nonergodic dynamics in strongly interacting 1D systems.	Prof. JAKUB, Zakrzewski	
[90] Preparation of the Spin-Mott State: A Spiny Mott Insulator of Repulsively Bound Pairs	CRUZ-COLÓN, Enid	
[166] Cold atom experiments aboard the international space station	Prof. BIGELOW, Nicholas	
[137] Learning field theory Hamiltonians in continuous quantum systems	PRÜFER, Maximilian	
[161] Quantum gas microscopy of strontium BECs in a clock-magic optical lattice	HÖSCHELE, Jonatan	
[109] Lattice induced resonance revealed by metastable spin helix	LIN, Hanzhen	
[41] False vacuum decay via bubble formation in a ferromagnetic BEC	FERRARI, Gabriele	
[188] Induced interactions, magnetic polarons, and strings with cold atoms	BRUUN, Georg	
[68] Strongly-Correlated Bosons in Optical Quasicrystals: Localization, fractality, and Bose-glass physics	SANCHEZ-PALENCIA, Laurent	
[169] Quantised pumping in optical lattices: interactions and edge modes	VIEBAHN, Konrad	
[55] Chiral orbital order without higher bands	DI LIBERTO, Marco	
[108] Dynamics of massive superfluid vortices	MASSIGNAN, Pietro	
[107] Compressing a quantum gas of light and determining its equation of state	WEITZ, Martin	