Short Talks I (Monday , 14 Dec. 11:00 – 12:30 h)

1	Ragheed Alhyder	An impurity immersed in a double Fermi Sea
2	Maria Arazo	Shell-shaped dipolar BECs
3	Antun Balaž	Faraday and Resonant Waves in Dipolar Cigar-Shaped Bose-Einstein Condensates
4	Mikhail Barabanov Cancelled on short notice	Probing of multiquark structure hadron and heavy ion collisions
5	Miguel Angel Bastarrachea Magnani	Bose and Fermi polaron-polariton mediated interactions
6	Luca Bayha	Observation of Pauli Crystals
7	Marvin Holten	Observation of Pauli Crystals
8	André Becker	Thermometer for interacting harmonically trapped fermions
9	Hauke Biss	Observation of superfluidity in a strongly correlated two-dimensional Fermi gas
10	Patrick Boegel	Self-focusing of BEC in quasi 1D
11	Martin Bonkhoff	Bosonic continuum theory of one-dimensional lattice anyons
<u>Short Talks II (Monday, 14 Dec. 14:00 – 15:30 h)</u>		
12	Sandra Brandstetter	Few Fermions in tunable potentials
13	Mykyta Bulakhov	Thermodynamics of a weakly interacting Bose gas above the transition temperature

14	Viktor Cikojevic	Towards a QMC-based density functional including finite-range effects: excitation modes of a 39 K quantum droplet
15	Anna Dawid	Phase Detection with Neural Networks: Interpreting the Black Box
16	Giulia De Rosi	Thermal evaporation and thermodynamics of one-dimensional liquids in weakly-interacting Bose-Bose mixtures
17	Mohammed Tayeb Meftah + Mosbah Difallah	Bose-Einstein Condensation in Fractional Quantum Statistical Mechanics
18	Gabriel Dufour	Many-body dynamics of partially distinguishable particles
19	Hodei Eneriz	Cavity QED with Bose-Einstein Condensates in a running wave resonator
20	Andris Erglis	Bose–Einstein Condensation in Planar Cavity
21	Uwe Fischer	Going beyond Hartree-Fock: Fully self- consistent determination of the many-body state of ultracold bosonic atoms and benchmarking with the exact two-boson solution
22	Tobias Hammel	A new apparatus for experiments with ultracold Lithium-6 atoms
Short Talks III (Monday , 14 Dec. 16:00 – 17:00 h)		
23	Mehedi Hasan	Indirect Observation of Zitterbewegung in non-Abelian Gauge Field
24	Jonas Benedikt Hauck	Strong Boundary and Trap Potential Effects on Emergent Physics in Ultra-Cold Gases

25	Felipe Isaule	Functional renormalization for Bose-Bose mixtures	
26	Hans Keßler	Observation of a dissipative time crystal	
27	Eugene Kogan	To have (Kondo effect) and have not renormalization and scaling	
28	Smail Kouidri	Finite temperature thermal cloud of dipolar gas in presence of the three-body interactions	
29	Arthur La Rooij	Single-atom imaging of fermions in a quantum-gas microscope	
30	Rui Li	Induced quantized transport by topology transfer between two coupled 1D lattice systems	
	Short Talks IV (Tuesday, 15 Dec. 11:00 – 12:30 h)		
31	Axel U. J. Lode	Optimized Observable Readout from Single- shot Images of Ultracold Atoms via Machine Learning	
32	Aditi Mandal	Plasmon modelling in core-level photoemission within multiple scattering approach	
33	Leonardo Mazza Cancelled on short notice	Strong correlations in lossy one-dimensional quantum gases: from the quantum Zeno effect to the generalized Gibbs ensemble	
34	Simeon Mistakidis	Engineering the many-body quantum dynamics and induced correlations of Bose polarons	
35	Ivan Morera Navarro Cancelled on short notice!	Quantum liquids and pair formation in one- dimensional optical lattices	

36	Ajay Nath	Generation of solitary matter waves at hottest negative temperature
37	Mama Kabir Njoya Mforifoum	Interference of two composite particles
38	Alexey Okulov	Detection of the reference frame motions with twisted superfluids
39	Felix Palm	Bosonic Pfaffian State in the Hofstadter-Bose- Hubbard Model
40	Krzysztof Pawłowski	Strongly correlated quantum droplets in quasi-1D dipolar Bose gas
41	Philipp Preiss	Many-Body Physics and Quantum Information in Rapidly Assembled Lattice Systems
	Short Talks V (Tue	esday, 15 Dec. 14:00 – 15:30 h)
42	Zhiyuan Wei	Generation of Photonic Matrix Product States with a Rydberg-blockaded atomic array
43	Maximilian Prüfer	The quantum effective action for ultracold gases far from equilibrium
44	Milan Radonjic	Bose-Einstein condensates in weak and strong disorder potentials
45	Lukas Rammelmüller	Investigation of pairing in 1D spin- and mass imbalanced Fermi gases through shot noise correlations
46	Sayak Ray	Prethermalization with negative specific heat
47	Fabio Revuelta + Alejandro Saenz	Inelastic confinement-induced resonances in different dimensions

48	Asaad Sakhel Cancelled on short notice	Effect of trapping geometry on the parametric resonances in a disordered Bose–Einstein condensate driven by an oscillating potential
49	Poornima Shakya	Snake states of neutral atom from synthetic gauge field
50	Marija Šindik	Quantum droplets in dipolar Bose-Einstein condensates in a ring potential
51	Andrii Sotnikov	Orbital ordering of ultracold alkaline-earth atoms in optical lattices
52	Gabriele Spada	The polarized Fermi-Hubbard superfluid at large order
Short Talks VI (Tuesday, 15 Dec. 16:00 – 17:00 h)		
53	Philipp Stammer	State distinguishability under weak measurement and post-selection: A system and device perspective
54	Enrico Stein	Trapped Photon Gases at Dimensional Crossover from 2D to 1D
55	Kuldeep Suthar	Many-body localization with synthetic gauge fields in disordered Hubbard chains
56	Michal Tomza	Ultracold ion-atom collisions in the quantum regime
57	Vranjes Markic	QMC study of trapped Bose-Bose mixtures at finite temperature
58	Etienne Wamba	Exact N-point function mapping between pairs of experiments with Markovian open quantum systems

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59	Alexander Wolf	Ground state and dynamics of shell-shaped BEC mixtures
60	Hongzheng Zhao	Quantum Many-Body Scars in Optical Lattices