Poster Session, Tuesday 01 October 2024 14:15 h

Riccardo Andreoni	**Stochastic sampling-based classification of states of matter**
Nicolò Antolini	**Measurement of the superfluid fraction of a supersolid by Josephson effect**
Devendra Singh Bhakuni	**Diagnosing transport from wave function snapshots**
Stefan Birnkammer	**Prethermalization in one-dimensional quantum many-body systems with confinement**
Justus Brüggenjürgen	**A coherence microscope for quantum gases**
Giancarlo Calvanese Strinati	**Josephson current flowing through a nontrivial geometry**
Luca Cavicchioli	**Dynamical formation of multiple quantum droplets in a Bose-Bose mixture**
Cristina Cicali	**Atom transport optimization: theoretical frameworks, algorithms, and experimental integration**
Renan da Silva Souza	**Interplay of Short-Range and Long-Range Interactions in Ultracold Fermionic Lattice Systems: A Real-Space DMFT Approach**
Alexandre De Martino	**Report on the construction of a new Erbium-Lithium machine**
Giulia Del Pace	**Persistent currents in a Josephson junction necklace**
Marco Di Liberto	**Emergent orbital physics and chiral phases in dimerized pi-flux lattices**
Eugen Dizer	**Spectral properties of ultracold Fermi gases**

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Gustavo Alexis Dominguez Castro	**Relaxation in dipolar spin ladders: From pair production to false-vacuum decay**
Marco Fattori	**Differential Mach-Zehender interferometry with trapped Bose Einstein condensates**
Giovanni Ferioli	**Non-Gaussian Correlation in the steady state of a superradiant cloud**
Marcia Frometa Fernandez	**Shapiro steps in a ^{6}Li Fermi superfluid Josephson junction**
Albert Gallemí	**Two-fluid character of a binary dipolar quantum gas across the superfluid-supersolid-crystal phase transition**
Youqi Gang	**Towards low temperature states in a Fermi-Hubbard quantum simulator**
Patrick Geraghty	**Long range interactions in synthetic dimensions**
Nicola Grani	**Dissipative vortex dynamics in strongly interacting Fermi superfluid.**
Fabian Grusdt	**Quantum simulation of Hubbard models: From unconventional superconductors to gauge theories**
Luca Guariento	**Strontium atoms in optical tweezers**
Tobias Hammel	**A modular quantum gas platform**
Florian Hirsch	**Cold atomic excitons**
Florian Kiesel	**Report on the construction of a new Erbium-Lithium machine**
Lorenzo Maffi	**Vortex dynamics in strongly interacting superfluid**

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Arkajyoti Maity	**Driven-dissipative fermionized topological phases of strongly interacting composite bosons**
Salvatore R. Manmana	**What can we learn from time-dependent spectral functions?**
Fabio Mezzacapo	**Scalable spin squeezing from critical slowing down in short-range interacting systems**
Alessandro Muzi Falconi	**Ytterbium optical tweezers for single-atom resolved many-body physics**
Sara Nicoletti	**Optimal control transport of neutral atoms in optical tweezers**
Kristian Knakkergaard Nielsen	**Thermal localisation and pairing by disorder of dopants in a magnetic spin ladder**
David Pascual Solis	**Advancements towards simulating SYK Model and its variants in cQED platforms**
Luka Pavesic	**Constrained dynamics and confinement in the two-dimensional quantum Ising model**
Leonardo Pisani	**Critical Current throughout the BCS-BEC Crossover: Landau Critical Velocity and Persistent Currents**
Andrea Pizzi	**Quantum scars in many-body systems**
Niklas Rasch	**Anomalous non-thermal fixed point in a Quasi-2d Dipolar Bose Gas**
Michael Rautenberg	**Towards Fermi polarons with heavy impurities**
Matteo Rizzi	**Fractional quantum Hall states with variational projected entangled-pair states: A study of the bosonic Harper-Hofstadter model**

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Stephan Roschinski	**Towards deterministic entanglement generation in a new atom-cavity setup**
Christian Friedrich Schmidt	**Cosmological particle production in a Quantum Field Simulator as a Quantum-Mechanical scattering problem**
Carlo Sias	**Control of ion crystals for atom-ion quantum mixtures**
Rohan Srikumar	**Dynamical effects in trilobite molecules**
Arthur Vesperini	**Entanglement and quantum correlations in the Tavis-Cummings model**
Ekaterina Vlasiuk	**Two-dimensional spectroscopy of magnetic systems**
Darvin Wanisch	**Probing entanglement in open quantum systems with tree tensor networks**
Matteo Wauters	**Gauge protection in quantum simulations of non-Abelian LGTs by dynamical post-selection on qudit platforms**
Matthias Weidemüller	**Rydberg Spin Glas**
Tomasz Zawiślak	**Anomalous Doppler effect at zero temperature in density modulated superfluids and supersolid**
Philip Zechmann	**Fractonic phases in a constrained Bose-Hubbard model**