

## Posters II

- |    |                              |   |
|----|------------------------------|---|
| 27 | Jan Arlt                     | Microcanonical Fluctuations in a Bose-Einstein Condensate and its thermal cloud                             |
| 28 | Georgios Koutentakis         | Magnetic processes in Bose Einstein condensates coupled to impurities: state-dressing and Magnetic polarons |
| 29 | Arthur La Rooij              | Controllable commensurate to incommensurate filling of weakly interacting bosons in 1D                      |
| 30 | Felix Lang                   | Tunable diffusion properties of spin-polarized Fermi gases in time-dependent disorder                       |
| 31 | Dwipesh Majumder             | Collective excitations in quantum droplets of Bose-Bose mixture   |
| 32 | Andreas Morgen               | Impurity physics with Bose-Einstein condensates   |
| 33 | Kristian Knakkegaard Nielsen | Nonequilibrium hole dynamics in antiferromagnets: damped strings and polarons                               |
| 34 | Maitri Pathak (online)       | Pattern formation on quantum droplet in the presence of quasi-periodic optical lattice                      |
| 35 | Axel Pelster                 | Quantum mechanical description of thermo-optic interaction in photon BECs                                   |
| 36 | Maciej Pieczarka             | Thermalization of photons in InGaAs/GaAs quantum wells and optically pumped VCSELs                          |
| 37 | Milan Radonjić               | Out of equilibrium dynamical properties of Bose-Einstein condensates in ramped up weak disorder             |

## Posters II

- |    |                         |   |
|----|-------------------------|---|
| 38 | David Reinhardt         | Conformal Duality of Bose-Einstein condensates with two- and three-body interactions  |
| 39 | Rhombik Roy<br>(online) | Probing relaxation dynamics of few strongly correlated bosons in 1D triple well optical lattice                             |
| 40 | Natália Salomé Móller   | Bose-Einstein condensation on Curved Manifolds  |
| 41 | Marija Šindik           | Creation and robustness of quantized vortices in a dipolar supersolid when crossing the superfluid-to-supersolid transition |
| 42 | Jim Skulte              | Dynamical phases in an atom-cavity system: From time crystals to dark states  |
| 43 | Justyna Stefaniak       | Self-oscillating pump in a topological dissipative atom-cavity system   |
| 44 | Philipp Stürmer         | Mixed Bubbles in a one-dimensional Bose-Bose mixture  |
| 45 | Sumaita Sultana         | Josephson-type oscillation in a spin-orbit coupled Bose-Einstein Condensate in the presence of nonlinear optical lattices   |
| 46 | Mohsen Talebi           | Particle and heat transport of a unitary fermi gas through a dissipative quantum point contact                              |
| 47 | Lauro Tomio             | Vortex flow and quantum turbulence generated in stirred mass-imbalanced Bose-Einstein condensed mixtures                    |
| 48 | Andrea Tononi           | Self-bound fermionic mixtures in 1D   |
| 49 | Buğra Tüzemen           | Excitations of a dipolar Tonks-Girardeau droplet  |

## Posters II

- |    |                              |   |
|----|------------------------------|---|
| 50 | Artem Volosniev              | Dissipative dynamics of an impurity with spin-orbit coupling  |
| 51 | Jiachen Zhao                 | QRydDemo - A Rydberg Atom Quantum Computer Demonstrator   |
| 52 | Yong-Guang Zheng<br>(online) | Approaching practical quantum computational advantage using ultracold atoms                         |
| 53 | Tianwei Zhou                 | Universal Hall response and flavour-selective localization in strongly interacting lattice fermions |