

## List of poster persenters (tentative)

Poster Session 1, October 1 (**Day 2**), 16:10 - 17:40

1-1. Bannai, Kotaro (Aoyama Gakuin University)

Chiral soliton crystal and superfluid critical velocity in ultracold Bose gases with spin-orbit coupling

1-2. Chen, Li (Tsinghua University)

Spin-orbit coupling in superfluid mixtures

1-3. Cheng, Yanting (Tsinghua University)

Realizing the Hayden-Preskill Protocol with Coupled Dicke Models

1-4. De Leseleuc, Sylvain (Institute for Molecular Science)

Observation of a symmetry-protected topological phase of interacting bosons with Rydberg atoms

1-5. Fujii, Keisuke (Tokyo Institute of Technology)

Hydrodynamics with spacetime-dependent scattering length

1-6. Kagamihara, Daich (Keio University)

Shear viscosity and Kovtun-Son-Starinets (KSS) conjecture in an ultracold Fermi gas

1-7. Koga, Akihisa (Tokyo Institute of Technology)

Ferromagnetic instability for the single-band Hubbard model in the strong-coupling regime

1-8. Kuno, Yoshihito (Kyoto University)

Flat-band many-body localization and dynamics in the Creutz ladder

1-9. Maki, Jeffrey Allan (University of Hong Kong)

TBA

1-10. Marmorini, Giacomo (Keio University)

Frustrated Magnetism with Coherently-Coupled Binary Fermi Gases in Triangular Optical Lattices

1-11. Matsumoto, Norifumi (University of Tokyo)

Continuous Phase Transition without Gap Closing in Non-Hermitian Quantum Many-Body Systems

1-12. Murakami, Yuta (Tokyo Institute of Technology)

Nonequilibrium dynamics of Fermionic Hubbard model under periodic driving

1-13. Ozaki, Yusuke (Kindai University)

Instability of a dark soliton by quantum fluctuations in a one-dimensional lattice Bose gas

1-14. Schmickler, Christiane H. (RIKEN)

Universality of Few Charged Particles

1-15. Takei, Nobuyuki (Kyoto University)

Effects of disorder and interaction on topological Thouless pumping of ultracold fermions

1-16. Yamamoto, Kazuki (Kyoto University)

Non-Hermitian fermionic superfluidity subject to inelastic collisions in ultracold atoms

1-17. Yoshii, Ryosuke (Chuo University)

Entanglement transport and thermalization in an isolated many-body system

1-18. Yoshino, Takumi (University of Tokyo)

Intercomponent entanglement spectra in binary Bose-Einstein condensates

1-19. Furukawa, Shunsuke (Keio University)

Quantum fluctuations of vortex lattices in binary Bose-Einstein condensates: Phase diagrams and intercomponent entanglement

Poster Session 2, October 2 (**Day 3**), 16:10 - 17:40

2-1. Bessho, Takumi (Kyoto University)

TBA

2-2. Chen, Xiao-Long (Swinburne University of Technology)

Angular Stripe Phase in Spin-Orbital-Angular-Momentum Coupled Bose Condensates

2-3. Chew, Yeelai (Institute for Molecular Science)

Ultrafast many-body electron dynamics of Rydberg atoms in optical tweezers arrays

2-4. Edmonds, Matthew James (Keio University)

Vortex Patterns of Atomic Bose-Einstein condensates in a density-dependent Gauge Field

2-5. Haga, Taiki (University of Tokyo)

Anomalous phase fluctuations of superfluids flowing in a random environment

2-6. Ihara, Kosuke (Kindai University)

Transverse instability and disintegration of domain wall of relative phase in coherently coupled two-component Bose-Einstein condensates

2-7. Kawamura, Taira (Keio University)

Phase diagram of a strongly interacting non-equilibrium Fermi gas

2-8. Kunimi, Masaya (Institute for Molecular Science)

Calculations for Rényi entropy by using discrete truncated Wigner approximation

2-9. Machida, Yoshihiro (Kindai University)

Quench dynamics from a Mott insulator to a superfluid in the Bose-Hubbard model: Application of the inhomogeneous Kibble-Zurek mechanism

2-10. Manabe, Koki (Keio University)

Density fluctuations and mechanical stability in a strongly-interacting Bose-Fermi mixture: Self-consistent T-matrix approach

2-11. Marra, Pasquale (Keio University)

Topological Thouless pumps in commensurate and incommensurate optical lattices

2-12. Mizukami, Naoto (Kyoto University)

Trapping of Erbium atoms for quantum degenerate Erbium-Lithium mixture experiments

2-13. Ozawa, Hideki (RIKEN)

Raman-Sideband Cooling in an Optical Triangular Lattice

2-14. Sekino, Yuta (RIKEN)

Quantum droplet of one-dimensional bosons with a three-body attraction

2-15. Suzuki, Chihiro (Aoyama Gakuin University)

Quantum and Thermal Effects of the Triangular SU(3) Heisenberg Model in a Magnetic Field

2-16. Takagi, Kazuki (Aoyama Gakuin University)

Slave-Boson Mean-Field Analysis of Superconductivity in the SU(3) t-J Model

2-17. Tamura, Kensuke (University of Tokyo)

Ferromagnetism in the  $SU(n)$  Hubbard model with nearly flat band

2-18. Yang, Hong (University of Tokyo)

Rigorous Results for the Ground States of the Spin-2 Bose-Hubbard Model

2-19. Zhou, Yineng (Tsinghua University)

Using Active Learning to design the adiabatic evolution