

List of poster presentations

Posters will be presented in two poster sessions -

Monday, 11th September, 19:30 - 21:00 (focus on odd poster numbers) and

Tuesday, 12th September, 19:30 - 21:00 (focus on even poster numbers).

Poster flash sessions (two minutes, one slide per poster) are planned on Monday, 11th September, 17:30 - 18:30 (odd poster numbers) and on Tuesday, 12th September, 17:30 - 18:30 (even poster numbers).

For each poster contribution there will be one poster wall (width: 97 cm, height: 250 cm) available. The preferred size of a poster is A0, portrait. Please do not feel obliged to fill the whole space. Posters can be put up for the full duration of the event, 11th to 15th September 2023.

1. **Abdelwahab, Anas**

Heterogeneous correlated systems: alternating even-odd ladders

2. **Abdelwahab, Anas**

Heterogeneous correlated systems: asymmetric correlated ladder models for cuprates

3. **Assaad, Fakher**

Algorithms for lattice fermions

4. **Banerjee, Sayan**

Enhanced superconducting diode effect due to coexisting phases

5. **Barthel, Thomas**

Criticality and phase classification for quadratic open quantum many-body systems

6. **Bermes, Pit**
Magnon excitations in two-dimensional doped antiferromagnets
7. **Bhattacharyya, Pritam**
Spin-liquid ruthenates: NaRuO_2 vs RuCl_3
8. **Birnkammer, Stefan**
Signatures of Confinement in Raman Spectroscopy of Ising Spin Chains
9. **Bonetti, Pietro Maria**
van Hove, Rashba, and Hubbard meet to form first-order and higher-order topological superconductors
10. **Bötzel, Steffen Lennart**
Quasiparticle approach to the transport in infinite-layer nickelates
11. **Caci, Nils**
Poisson-Dirichlet distributions and weakly first-order spin-nematic phase transitions
12. **Chakraborty, Nilotpal**
Magnon transport in quantum Hall heterojunctions probes the interplay of symmetry breaking, topology and entanglement
13. **Cônsoli, Pedro**
Kondo breakdown transitions and phase-separation tendencies in valence-fluctuating heavy-fermion metals
14. **Drescher, Markus**
Dynamical Signatures of Symmetry Broken and Liquid Phases in an $S = 1/2$ Heisenberg Antiferromagnet on the Triangular Lattice
15. **El Mendili, Anas**
Exotic Quantum Excitations in Semi-classical Magnets
16. **Geck, Jochen**
Pressure-tuning of electrons on frustrated lattices
17. **Gondolf, Jannik**
Electronic correlations and superconducting instability in $\text{La}_3\text{Ni}_2\text{O}_7$ under high pressure

18. **Gresista, Lasse**
Spin-valley magnetism on the triangular moiré lattice with $SU(4)$ breaking interactions
19. **Gubina, Anna**
Metamagnetic transition and tricritical behavior in URhGe
20. **Haddad, Sonia**
Twisted bilayer graphene reveals its flat bands under spin pumping
21. **Haddad, Sonia**
Twistronics versus straintronics in twisted bilayers of graphene and transition metal dichalcogenides
22. **Harris, Tim**
Antiferromagnetic bosonic t-J models and their quantum simulation
23. **Heinze, Leonie**
Field-induced quantum criticality in the quantum sawtooth chain atacamite
24. **Honecker, Andreas**
Ground-state degeneracy and magneto-thermodynamics of the spin-1/2 Heisenberg antiferromagnet on the diamond- decorated square lattice
25. **Huber, Nico**
Quantum Oscillations of the Quasiparticle Lifetime in a Metal
26. **Jha, Mani Chandra**
Laughlin topology in fractal lattices without area law
27. **Jin, Guliuxin**
Topological entanglement stabilization in superconducting quantum circuits
28. **Kadow, Wilhelm**
Nagaoka ferromagnetism and spin-hole fractionalization in hole-doped Kitaev spin liquids

29. **Karlova, Katarina**
Frustrated magnetism of a quantum mixed spin-(1, 1/2) Heisenberg octahedral chain from a statistical-mechanical monomer-dimer model
30. **Kawano, Masataka**
Unconventional spin dynamics in a strongly correlated kagome metal
31. **Kebrič, Matjaž**
Confinement and phase diagrams of a one-dimensional Z_2 lattice gauge theory at finite temperature
32. **Krüger, Wilhelm**
Triple-Q order in $\text{Na}_2\text{Co}_2\text{TeO}_6$ from proximity to hidden-SU(2)-symmetric point
33. **La Riviere, Bowy**
Critical properties of a quantum loop model on a zig-zag ladder
34. **Matus, Paweł**
Fractonic superfluids and superconductors
35. **McClarty, Paul**
Landau theory of altermagnetism
36. **Moser, David**
Quasiuniversality from all-in-all-out Weyl quantum criticality in pyrochlore iridates
37. **Noack, Reinhard**
Three-Qubit Deutsch-Jozsa in Measurement-Based Quantum Computing
38. **Ojajärvi, Risto**
Dynamics of Two Ferromagnetic Insulators Coupled by Superconducting Spin Current
39. **Oprea, Diana-Gabriela**
The interplay between spin-orbit coupling and correlation in the topology of Hubbard diamond chain

40. **Palm, Felix**
Snapshot-based detection of hidden off-diagonal long-range order on lattices
41. **Patil, Pranay**
Anomalous relaxation of density waves in a ring-exchange system
42. **Ramchandani, Sagar**
Emergent $U(1)$ symmetry in spin-orbit coupled magnets
43. **Richter, Johannes**
Thermodynamics of highly frustrated quantum magnets: Kagome vs. Square-Kagome
44. **Salvati, Fabio**
Stability of a quantum skyrmion
45. **Schäfer, Robin**
Symmetry protected exceptional points of interacting fermions
46. **Schlüter, Henrik**
Asymmetric melting of the $1/3$ -plateau for the kagome lattice antiferromagnet
47. **Scholle, Robin**
The zoo of states in the 2D Hubbard model
48. **Simon, Florian**
Superconductivity and the normal state's quantum geometry: a hidden influence
49. **Sobral da Silva, João Augusto**
Machine Learning Microscopic Form of Nematic Order in twisted double-bilayer graphene
50. **Soto, Jose**
Kibble Zurek mechanism and Finite Time Scaling in Rydberg Arrays
51. **Stefanidis, Nikolaos**
Competing spin-valley entangled and broken symmetry states in the $N=1$ Landau level of graphene

52. **Traverso, Simone**
The winding path from the Haldane model to Jackiw-Rebbi states
53. **Willsher, Josef**
Spin-Peierls instability of the $U(1)$ Dirac spin liquid
54. **Zhang, Xue-Feng**
Does Deconfined Quantum Phase Transition Have to Keep Lorentz Symmetry? Two Velocities of Spinon and String
55. **Zhang, Xue-Feng**
Topological strings in a frustrated Ising antiferromagnet - From quantum material to quantum simulation