

# List of workshop poster presentations

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1. **Agrapidis, Cliò Efthimia**  
*Phase diagram of the Kitaev-Heisenberg chain*
2. **Alba, Vincenzo**  
*Entanglement and thermodynamics after a quantum quench in integrable systems*
3. **Arabi, Soroush**  
*3D topological Kondo insulators: slave-boson mean-field theory*
4. **Baez, Maria Laura**  
*Recent advances in pseudo-fermionic FRG: application to quantum spin systems*
5. **Bauernfeind, Daniel**  
*Fork tensor-product states: efficient multiorbital real-time DMFT solver*
6. **Bohrdt, Annabelle**  
*Single-hole excitation spectra of spin-chains*
7. **Chepiga, Natalia**  
*Dimerization and exotic criticality in spin-S chains*
8. **Dong, Xiaoyu**  
*Dynamical signatures of the  $v = 1/2$  bosonic fractional Chern insulator state in the Harper-Hofstadter model*
9. **Drechsler, Stefan-Ludwig**  
*Effective spin-Hamiltonians for the 1D Hubbard and related el-el models at arbitrary coupling strength*
10. **Eisler, Viktor**  
*Front dynamics and entanglement in the XXZ chain with a gradient*

11. **Ejima, Satoshi**  
*Anyonic Haldane insulator in one dimension*
12. **Fauseweh, Benedikt**  
*Higgs spectroscopy in D-wave superconductors*
13. **Fehske, Holger**  
*Ising tricriticality in the extended Hubbard model with bond dimerization*
14. **Gohlke, Matthias**  
*Signatures of a quantum spin liquid phase in the Kitaev-gamma model*
15. **Grusdt, Fabian**  
*Partons in  $t - J$  models and their mesonic excitations*
16. **Herbrych, Jacek**  
*Efficiency of fermionic quantum distillation*
17. **Huang, Yi-Ping**  
*Symmetries and topological orders: realizations and signals in correlated spin-orbit coupled materials*
18. **Janssen, Lukas**  
*Kitaev materials in a magnetic field*
19. **Japaridze, George**  
*The mass-imbalanced ionic Hubbard chain*
20. **Kettemann, Stefan**  
*Exponential orthogonality catastrophe at the Anderson metal insulator transition*
21. **Klöckner, Christian**  
*Exploring excited eigenstates of many-body systems using the functional renormalization group*
22. **Lange, Florian**  
*Strongly repulsive anyons in one dimension*
23. **Lemmens, Peter**  
*Fractionalized excitations in higher dimensional iridates*

**24. Markhof, Lisa**

*Spectral function of the Tomonaga-Luttinger model revisited: power laws and universality*

**25. McClarty, Paul**

*Bound states and topological triplon modes in a Shastry-Sutherland magnet*

**26. Müller, Patrick**

*Thermodynamic properties of the Heisenberg model on the kagome and pyrochlore lattices: high-temperature expansion and Green's function approach*

**27. Normand, Bruce**

*Gapless spin-liquid ground state in the  $S = 1/2$  kagome antiferromagnet*

**28. Parisen Toldin, Francesco**

*Entanglement properties of the Hubbard chain model*

**29. Repellin, Cecile**

*Stability of the spin-1/2 kagome ground state with breathing anisotropy*

**30. Sato, Toshihiro**

*Quantum Monte Carlo study of heavy fermions with geometrical frustration*

**31. Sbierski, Björn**

*Quantitative analytical theory for disordered nodal points*

**32. Schaller, Teresa**

*Variational cluster approximation for iridates*

**33. Schneider, Imke**

*Impurity effects on dynamical correlations in antiferromagnetic Heisenberg chains*

**34. Sikora, Olga**

*Spin liquid and order in quantum ice*

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**35. Szalay, Szilárd**

*Multipartite correlations in quantum systems and the chemical bond*

**36. Titvinidze, Irakli**

*Non-equilibrium real-space DMFT for correlated heterostructures*

**37. Tsyplyatyev, Oleksandr**

*Many-body theory of magnetoelasticity in one dimension*

**38. Wulferding, Dirk**

*Fractional excitations of the topological Haldane phase in  $SrNi_2V_2O_8$*

**39. Zhang, Xuefeng**

*Continuous easy-plane deconfined phase transition on the kagome lattice*