

Summer School 2023 of the SFB Correlated Quantum Materials and Solid State Quantum Systems

October 2-6, 2023, ISTA, Klosterneuburg

| Poster session | Poster number | Presenter | Poster title |
|----------------|---------------|----------------|---|
| Monday, Oct 2 | 3 | Bippus | XXZ Quantum Spins in a Magnetic Field - A Pseudo-Fermion Functional RG Approach |
| Monday, Oct 2 | 5 | Fischer-Süßlin | Combining transport measurements and scanning tunneling spectroscopy on hybrid devices |
| Monday, Oct 2 | 7 | Jacob | Anderson localization on a long-range network |
| Monday, Oct 2 | 9 | Kluibenschedl | Phase diagram of two-dimensional ferroelectric large polarons |
| Monday, Oct 2 | 10 | Le Roy | Thermal conductivity measurements of the quantum critical compound Ce ₃ Pd ₂₀ Si ₆ |
| Monday, Oct 2 | 15 | Roósz | Entanglement in the 2D Hubbard model at finite temperature |
| Monday, Oct 2 | 17 | Safari | Magnetic anisotropic response on BaCo(AsO ₄) ₂ |
| Monday, Oct 2 | 19 | Seyed Heydari | Theory of spin transport through magnetically ordered insulators and interfaces |
| Monday, Oct 2 | 21 | Strohmeier | Low temperature scanning tunneling spectroscopy on unconventional superconductors |
| Total | | | 9 |

| Poster session | Poster number | Presenter | Poster title |
|----------------|---------------|--------------|---|
| Tuesday, Oct 3 | 1 | Akšamović | High-Tc Cuprates: Conventional Probes and Quantum Devices |
| Tuesday, Oct 3 | 2 | Babkin | Proximity-induced gapless superconductivity in two-dimensional Rashba semiconductor in magnetic field |
| Tuesday, Oct 3 | 4 | Fischer | Synthesis of the Weyl-Kondo Semimetal Ce ₃ Bi ₄ Pd ₃ |
| Tuesday, Oct 3 | 6 | Isceri | Improved epitaxy of YbRh ₂ Si ₂ for quantum applications |
| Tuesday, Oct 3 | 8 | Karle | Topological charges of periodically driven molecules |
| Tuesday, Oct 3 | 11 | Mazza | Inelastic neutron scattering on quantum critical Ce ₃ Pd ₂₀ Si ₆ |
| Tuesday, Oct 3 | 12 | Nasir | Anisotropic exchange interaction in α -RuCl ₃ |
| Tuesday, Oct 3 | 13 | Nguyen | Developing a shot noise setup for ultra-low temperatures |
| Tuesday, Oct 3 | 14 | Patil | Spectral properties of a mixed singlet-triplet Ising superconductor |
| Tuesday, Oct 3 | 16 | Saez Mollejo | A depletion-mode spin qubit in Germanium |
| Tuesday, Oct 3 | 18 | Sato | Novel quantum Monte Carlo approach to tackle frustrated spin systems: applications to α -RuCl ₃ |
| Tuesday, Oct 3 | 20 | Shen | Magnetic blue shift of localized d-d transitions of Na ₂ Co ₂ TeO ₆ |
| Tuesday, Oct 3 | 22 | Zambra | Resonant torsion magnetometry on Tb ₂ Ti ₂ O ₇ |
| Total | | | 13 |