

2021 CRC 183 “Berlin Meeting”

Thursday, November 18

- 09:00-09:45 **Ady Stern**: Spread and erase - how electron hydrodynamics can eliminate the Landauer-Sharvin resistance
- 10:00-10:45 **Shahal Ilani**: Imaging hydrodynamic electrons flowing without Landauer-Sharvin resistance
- 10:45-11:30 coffee break
- 11:30-12:00 **Michael Buchhold**: Measurement induced phase transitions in fermion chains
- 12:00-12:30 **Kyrylo Snizhko**: Absent criticality in a dissipatively-stabilized Kitaev chain
- 12:30-14:30 lunch / discussions
- 14:30-15:30 [members' assembly](#)
- 15:30-17:00 coffee break / discussions
- 17:00-18:00 **Alex Altland**: What is the gravity dual of the SYK model?

Friday, November 19

- 09:00-10:15 **Charlie Marcus**: 2D Josephson arrays and generalizations
- 10:15-10:45 coffee break
- 10:45-11:30 **Gal Shavit**: Correlated insulators and superconductivity in twisted bilayer graphene
- 11:30-13:00 lunch / discussions
- 13:00-13:45 **Ida Egholm Nielsen**: Readout of parafermionic states by transport measurements
- 13:45-14:30 **Svend Krøjer Møller**: Near-term demonstration of Majorana nonabelian exchange properties
- 14:30-17:00 coffee break / discussions
(16:00-17:00 [steering committee meeting](#))
- 17:00-17:45 **Jens Eisert**: Hamiltonian learning for Google's Sycamore chip
- 19:00 [conference dinner](#)

Saturday, November 20

09:00-09:45 **Max Geier:** Higher-order topological semimetals and nodal superconductors

09:45-10:30 **Aprem Joy:** Dynamics of visons and thermal Hall effect in perturbed Kitaev models

10:30-11:00 coffee break

11:00-11:45 **Jonathan Conrad:** The GKP-code: Quantum error correction from lattice theory

11:45-12:30 **Markus Schmitt:** Simulating correlated matter far from equilibrium with neural quantum states

12:30-13:30 lunch

13:30-16:00 individual discussions / coffee & snacks