

Workshop Schedule:

FOR5522 Collaboration Meeting on Transport, 17th -18th January 2024

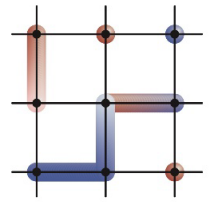
Location: Herbert-Walther-Hörsaal, MPQ (Hans-Kopfermann-Str. 1, 85748 Garching)

Wednesday, 17th January

- 08:45 Opening
- 09:00 **Sarang Gopalakrishnan** – Noise in interacting many-body systems
- 10:00 Coffee Break
- 10:30 **Tibor Rakovszky** – The dissipation-assisted approach to quantum transport: extensions and new results
- 11:30 **Markus Heyl** – Quantum hard disks on lattices
- 12:30 Lunch
- 13:30 **Yahui Li** – Hilbert space fragmentation in open quantum systems
- 14:30 **Suchita Agrawal** – Experimental observation of Hilbert Space Fragmentation
- 15:30 Coffee Break
- 16:00 Flash Talks
- 16:15 Poster Session/Discussion
- 18:30 Dinner at Neuwirt in Garching (<https://gasthof-neuwirt.org/>)

Thursday, 18th January

- 09:00 **Tibor Rakovszky** – The physics of (good) LDPC codes
- 10:00 Coffee Break
- 10:30 **Federico Carollo** – Spreading of correlations in open quantum systems
- 11:30 **Simon Karch** – Emergence of fluctuating hydrodynamics in chaotic quantum systems
- 12:30 Lunch
- 13:30 **Suman Mondal** – Localization property of a partially disordered interacting many-body system
- 14:30 Wrap-up and Departure



Posters:

Kadir Ceven – Quantum chaos and eigenstate thermalization in the spin-1/2 XX ladder

Adam McRoberts – Transport/KPZ in spin chains

Daniel Adler – Observation of Hilbert space fragmentation in the tilted 2D Bose-Hubbard model

(**Yahui Li** – Hilbert space fragmentation in open quantum systems)

Heiko Menzler – Relaxation dynamics of quantum many-body systems with phonon degrees of freedom using the multitrajjectory Ehrenfest method