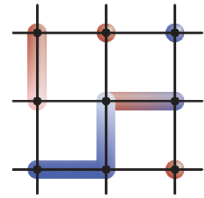


## FOR 5522 – Meeting on KCMs

**Venue:** Room 1.034 (Verfügungsgebäude Morgenstelle – see map overleaf)

Tuesday, 09.01.24



09h00 **Christian Groß** – Welcome

09h10 **Suman Mondal** – Enhanced many-body localization in a kinetically constrained model

09h45 **Pascal Weckesser** – Constrained dynamics and pair-binding in the 1D extended Hubbard model

10h20 **Markus Heyl** - Kinetic constraints from gauge invariance

10h55 Coffee break

11h20 **Mari Carmen Banuls** – New Tensor Network approaches to non-equilibrium

11h55 **Marcel Cech** – Space-time correlations in the dissipative PXP model

12h30 Lunch break

14h00 **Juan Garrahan** – Exact dynamics of classical constrained circuits

14h35 **Christian Groß** – Dynamic constraints in a heavy light mixture

15h00 Poster 3 min flash summaries

15h15 Discussion and poster session

18h00 Dinner

Wednesday, 10.01.24

09h30 **Melissa Will** – Realization of Hilbert Space Fragmentation and Fracton Dynamics in 2D

10h10 **SeungJung Huh** - Local readout and control of current and kinetic energy operators in optical lattices

10h45 Coffee break

11h05 **Cecilia De Fazio** - Dynamics of the Floquet-East Model

11h40 **Chris Nill** – Coherent spin-phonon scattering in facilitated Rydberg lattices

12h15 Wrap-up

12h30 Lunch and discussions

### Posters:

P1. **Suchita Agrawal** – Quantum Gas Microscopy of out-of-equilibrium Atoms

P2. **Maria Cea** – Exploring the Phase Diagram of the quantum one-dimensional ANNNI model

P3. **Kadir Ceven** – Quantum chaos and eigenstate thermalization in the spin-1/2 XX ladder

P4. **Heiko Menzler** – Relaxation dynamics of quantum many-body systems with phonon degrees of freedom using the multitrajectory Ehrenfest method

## How to get to the workshop venue



### By car

- Park in the parking garage *Parkhaus Ebenhalde* indicated on the map above (5 min walk from there to the workshop venue). The cost is on the order of 5 EUR per day.

### By bus

- Take the bus number 5 or 13 from *Neckarbrücke*, which is the stop closest to the hotel, and get off at *BG Unfallklinik* (5 min walk from there). You can also get on the bus at the stop *Hauptbahnhof*, which is just one stop before *Neckarbrücke*.