

Mini-workshop on **Transport in one-dimension**, FMF, U. Ljubljana, 14-17 November 2018

The entire event takes place at the Kuščer Seminar room, 4th floor, Jadranska 19, except for the Wednesday afternoon session, which takes place in the room 3.07, 3rd floor, Jadranska 21.

Schedule

Wednesday 14:

9:30 - 12:00 Mixed discussions (gathering in the Kuščer seminar room)

12:00 - 13:00 Lunch (JSI canteen)

13:00 Gyorgy Feher (45+10) *The propagator of the finite XXZ spin-1/2 chain*

5min break

14:00 Katja Klobas (25+5) *Time-dependent matrix product ansatz for interacting reversible dynamics*

14:30 - Mixed discussions

Thursday 15:

9:30 Maurizio Fagotti (45+10) *An introduction to generalized hydrodynamics in quantum integrable systems*

5min break

10:30 Joel Moore (45+10) *Nonequilibrium physics and hydrodynamical limits of quantum materials in one and two dimensions*

5min break

11:30 Marko Ljubotina (25+5) *KPZ physics in spin-1/2 XXX chain*

12:00 - 13:00 Lunch (JSI canteen)

13:00 Herbert Spohn (45+10) *Linearised hydrodynamics for the classical Toda chain in thermal equilibrium*

5min break

14:00 Bruno Bertini (25+5) *Exact Spectral Form Factor and Entanglement Spreading in a Minimal Model of Many-Body Quantum Chaos*

14:30 - Mixed discussions

Friday 16:

9:30 Peter Prelovšek (45+10) *Spin hydrodynamics in the anisotropic Heisenberg chains*

5min break

10:30 Fabian Heidrich-Meisner (45+10) *Transport in the spin-1/2 XXZ chain: Established results, accepted claims and open questions*

5min break

11:30 Lenart Zadnik (25+5) *Spin transport and Drude weight bounds in Trotterized/driven XXZ model*

12:00 - 13:00 Lunch (JSI canteen)

15:00 - 18:00 Workgroup discussion: open problems