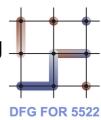


DFG FOR 5522 Collaboration Meeting UNIVERSITÄT on Quantum Chaos & Ergodicity



Georg-August-Universität Göttingen, Friedrich-Hund-Platz 1, 37077

Scientific Organizers: F. Heidrich-Meisner, S. Kehrein, ITP Göttingen

June 13/14, 2024, Location: Institute for Theoretical Physics, Seminar room SR4, 4th floor

Program

Thursday, 06/13		
1pm – 4:30pm Room SR 4, A.04.101	For those who registered: RDM training workshop by Göttingen Campus eResearch Alliance Joint event of DFG FOR 5522, SFB 1073, SFB 1633, RTG 2455	For everyone else: Scientific Discussions
4:30pm Social Room ITP (next to SR4)	Coffee Break and Welcome	
5pm – 6pm	Invited: Jorge Kurchan, ENS Paris: From the Eigenstate Thermalization Hypothesis to Free Probability to k-Designs.	
7pm	Dinner at Restaurant Gaudi (for those who signed up)	
Friday, 06/14		
9am	Round of introductions	
9:10am	Teaser talks I & Discussion: SYK Physics & NFLs tba — General Intro to SYK Physics T1) Anastasia Enckell, UGOE: Quantum impurities with SYK bath T2) Rishabh Jha, UGOE: Robust chaotic and thermodynamic properties of non-Fermi liquid T3) Jan Louw, UGOE: The maximally chaotic SYK models T4) Haixin Qiu, UGOE: Real-time thermalization and transport in quenched Yukawa-SYK model T5) Santiago Salazar, UGOE: Quench Dynamics of a Mixed SYK Model	
10:15am	Coffee Break & Workshop Photo	

10:45am	Heiko Menzler, Universität Göttingen: Krylov localization as a probe for ergodicity breaking	
11:15am	Kadir Ceven, Universität Göttingen: Quantum chaos in the spin-1/2 XX ladder	
12:00pm – 1:30pm	Lunch and discussions	
1:30pm	Teaser Talks II: Boundaries of Q-Chaos T6) Marcel Cech, Tübingen: Collision Models: From glassy dynamics to machine learning of quantum channels T7) Lukas Peinemann, UGOE: Spin-1/2 XX ladder with disorder T8) Emil Reiter, UGOE: Constrained dynamics in synthetic dimensions	
2pm	Invited: Lev Vidmar, Josef Stefan Institute Ljubljana Ergodicity breaking transitions	
3pm	Coffee Break	
3:30pm	Discussion: Open Questions in Quantum Chaos and Ergodicity	
ca. 4:30pm	End, Discussions	

Invited talks: 45mins plus 15mins discussion Regular talks: 20mins + 10mins discussion Teaser talks: max 5mins + 5 mins discussion

Lunch on Friday: We will go to MPI PS: Cash only!