

Program (CET times)

Sunday, 19 September 2021

17:00 – 20:00 Registration

18:00 *BUFFET SUPPER and get-together*

Monday, 20 September 2021

07:30 *BREAKFAST*

08:45 – 08:55 Karol Życzkowski (on site) **Opening remarks**

09:00 – 09:30 Klaus Richter (on site) **Along Fritz' and Petr's semiclassical paths: Classical orbit correlations and many-body quantum chaos**

09:35 – 10:05 Roland Ketzmerick (on site) **Classical and quantum transport: New phenomena in higher dimensions**

10:10– 10:40 Kazimierz Rzążewski (online) **Fluctuations of Bose-Einstein condensate**

10:40 – 11:10 *COFFEE BREAK*

11:10 – 11:40 Carlo Beenakker (online) **Simulation of chaotic Dirac fermions on a lattice**

11:45 – 12:15 Boris Gutkin (on site) **Many body quantum chaos in coupled cat maps**

12:20 – 12:50 Thomas Dittrich (on site) **Quantum measurement and quantum randomness with finite heat baths**

13:00 *LUNCH*

Program (CET times)

Monday, 20 September 2021

15:00 – 16:00	Networking and discussion (online) with <i>COFFEE</i>	
16:00 – 16:30	Alexander Altland (on site)	Holographic interpretation of SYK quantum chaos
16:35 – 17:05	Mark Srednicki (online)	Bounds on out-of-time-order correlators from the eigenstate thermalization hypothesis
17:10 – 17:40	Stephen Shenker (online)	Quantum gravity and quantum chaos
18:00 – 19:30	<i>DINNER</i>	
19:30 – 21:00	Poster session (on site)	

Program (CET times)

Tuesday, 21 September 2021

08:00	<i>BREAKFAST</i>	
09:00 – 09:30	Marcin Szyniszewski (online)	Percolation and monitored quantum circuits
09:35 – 10:05	Eva-Maria Graefe (on site)	A non-Hermitian PT-symmetric kicked top
10:10 – 10:40	Daniel Braun (on site)	Quantum-chaotic sensors
10:40 – 11:10	<i>COFFEE BREAK</i>	
11:10 – 11:40	Hans-Jürgen Stöckmann (on site)	A microwave realization of the chiral ensembles
11:45 – 12:15	Martina Hentschel (on site)	Quantum chaos from Möbius systems to mesoscopic optics
12:20 – 12:50	Barbara Dietz (online)	Spectral properties of relativistic quantum billiards with shapes of integrable billiards
13:00	<i>LUNCH</i>	
15:00 – 16:00	Networking and discussion (online) with <i>COFFEE</i>	
16:00 – 16:30	Steven Tomsovic (online)	Post-Ehrenfest many-body quantum interferences in ultracold atoms
16:35 – 17:05	Hui Cao (online)	Fighting laser chaos with wave chaos
17:10 – 17:40	Carlos Viviescas (online)	Initial and final value for the semiclassical evolution of the Wigner function
18:00 – 19:30	<i>DINNER</i>	
19:30 – 21:00	Poster flash talks followed by the poster session (online, including poster which are on site)	

Program (CET times)

Wednesday, 22 September 2021

08:00	<i>BREAKFAST</i>	
09:00 – 09:30	Uzy Smilansky (online)	Can one hear a real symmetric matrix?
09:35 – 10:05	Martin Zirnbauer (on site)	Color-flavor transformation revisited
10:10 – 10:40	Tomaž Prosen (on site)	Exactly solved models of many-body quantum chaos
10:40 – 11:10	<i>COFFEE BREAK</i>	
11:10 – 11:40	Hans Weidenmüller (on site)	Tests of the Porter-Thomas distribution for reduced partial neutron widths
11:45 – 12:15	Yan V. Fyodorov (online)	Statistics of S-matrix poles: from Haake et al 1992 paper to the present day
12:20 – 12:50	Dmitry Savin (on site)	Diffusive field cross-correlations in complex media
12:55 – 13:10	Stefan Jorda (on site)	About the WE-Heraeus-Foundation
13:10	<i>LUNCH</i>	
15:00 – 16:00	Networking and discussion (partially online) with <i>COFFEE</i>	

Program (CET times)

Wednesday, 22 September 2021

Celebration in honour of Fritz Haake

(chair: Sven Gnutzmann and Henning Schomerus, both on site)

16:00 – 16:50 Maciej Lewenstein **Fritz' legacy revisited**
(on site)

Sharing memories of Fritz Haake

17:00 – 17:10 Michael Berry (online)

17:10 – 17:20 Kazimierz Rządewski (online)

17:20 – 17:30 Christine Benard (online)

17:30 – 17:40 Bruno Lix (on site)

17:40 – 17:50 Jean-Pierre Ressayre (on site)

17:50 – 18:00 Karol Życzkowski (on site)

18:00 – 18:10 Julia Haake (on site)

18:10 – 18:20 Voices from the floor

18:30 – 18:45 Reception

18:45 *HERAEUS DINNER*
(social event with cold & warm buffet with complimentary drinks)

Program (CET times)

Thursday, 23 September 2021

08:00	<i>BREAKFAST</i>	
09:00 – 09:30	Eugene Bogomolny (on site)	Barrier billiard and random matrices
09:35 – 10:05	Nina Snaith (on site)	Averages of secular coefficients
10:10 – 10:40	Pragya Shukla (online)	Quantum metric statistics for random-matrix families
10:40 – 11:10	<i>COFFEE BREAK</i>	
11:10 – 11:40	Dima Shepelyansky (online)	Quantum small world of dynamical thermalization
11:45– 12:15	Gregor Tanner (on site)	Sound radiation from vibrating plates – a classical phase space approach
12:20 – 12:50	Martin Sieber (on site)	Propagating correlation functions by ray methods with diffractive contributions
13:00	<i>LUNCH</i> followed directly by a walk through the nearby forest	
16:40 – 17:10	<i>COFFEE BREAK</i>	
17:10 – 17:40	A. Douglas Stone (online)	Controlling transmission of light using mesoscopic correlations
17:45 – 18:15	Mario Kieburg (online)	Stable and invariant: Central limit theorems for random matrices
18:20 – 18:50	Predrag Cvitanović (online)	Amazing! I did not understand a single word
19:00 – 21:00	<i>DINNER</i>	

Program (CET times)

Friday, 24 September 2021

08:00	<i>BREAKFAST</i>	
09:00 – 09:30	Jan Mostowski (online)	In search of the classical limit
09:35 – 10:05	Sonja Barkhofen (on site)	Increasing levels of quantumness in quantum walks
10:10 – 10:40	Kouichi Hagino (online)	Transition-state dynamics in complex quantum systems
10:40 – 11:10	<i>COFFEE BREAK</i>	
11:10 – 11:40	Alessandro Romito (online)	Entanglement transition from stroboscopic to continuous measurements
11:45– 12:15	Lukas Pausch (on site)	Chaos in the Bose-Hubbard model versus Gaussian orthogonal and embedded random matrix ensembles
12:20 – 12:50	Sebastian Müller (on site)	Semiclassics and higher-order correlation functions for chaotic systems
12:55 – 13:00	Thomas Guhr (on site)	Concluding remarks
13:00	<i>LUNCH</i>	

End of the seminar and departure

NO DINNER for participants leaving on Saturday morning