

Program

Monday, 11 May 2015

- 09:00** Volker Bach, TU Braunschweig *Diagonalization by unitary flows*
- 10:00** Peter Braun, Universität Duisburg-Essen *Periodic orbits and spectral statistics for (pseudo-)arithmetic chaos*
- 11:00** coffee
- 11:30** Tilmann Wurzbacher/Alexander Alldridge, Ruhr-Universität Bochum *Superorbits*
- 12:30** lunch
- 14:00** Gian Michele Graf, ETH Zürich *Friction and geometry in Lindbladian dynamics*
- 15:00** Johannes Knebel, LMU München *Evolutionary games of condensates in driven-dissipative systems of non-interacting bosons*
- 16:00** coffee
- 16:30** Sebastian Diehl, TU Dresden *Bose condensation phenomena in driven open quantum systems*

Tuesday, 12 May 2015

- 09:00** Sebastian Schmittner, University of Cologne *The crystal-glass transition from a random matrix model for disordered phonons*
- 10:00** Ilya Eremin, Ruhr-Universität Bochum *Proximity effects on a topological surface*
- 11:00** coffee
- 11:30** Natan Andrei, Rutgers University *Quench dynamics in quantum many-body systems in one dimension*
- 12:30** lunch
- 14:00** Benjamin Beri, University of Birmingham *Topological Kondo effect in Majorana fermion systems*
- 15:00** Andreas Weichselbaum, LMU München *Non-abelian symmetries in tensor networks*

16:00 coffee

16:30 Hubert Saleur, CEA Saclay

Quantum Jost operators and exact overlaps in the Kondo problem

Wednesday, 13 May 2015

09:00 Pasquale Calabrese, SISSA, Trieste

Entanglement negativity and quantum field theory

10:00 Jan Philip Solovej, University of
Copenhagen

The classical entropy of quantum states

11:00 coffee

11:30 Leonid Pastur, Kharkov University

Large block behavior for the entanglement entropy of disordered free fermions

12:30 lunch

14:00 Alejandro Uribe, University of
Michigan

Semiclassical quantum states associated to isotropic submanifolds of phase space: Their calculus and applications

15:00 Xiaonan Ma, Université Paris Diderot

Equidistribution for zeros of holomorphic sections of singular Hermitian line bundles

16:00 coffee

Thursday, 14 May 2015

09:00 Friedrich Götze, Universität Bielefeld

Spectral distribution of random matrices and free probability

10:00 Mario Kieburg, Universität Bielefeld

Recent progress on products of random matrices

11:00 coffee

11:30 Dmitry Bagrets, University of Cologne

Disordered topological quantum wires: Anderson localization revisited

12:30 lunch

14:00 Michael Handrek, LMU München

The ground state energy of heavy atoms

15:00 Hubert Kalf, LMU München

Non-existence of zero modes of the massless Dirac operator

16:00 coffee