

Sektion 7

Mathematische Physik

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Montag, 19. September**Physik, Seminarraum der theoretischen Physik**

14:00 Volker Bach (Braunschweig)
Existence and construction of resonances in minimally coupled nonrelativistic QED

15:00 Michael Baake (Bielefeld)
Kinematic diffraction from a mathematical viewpoint

16:00h – 16:30h Pause

16:30 Benjamin Schlein (Bonn)
The average density of states of hermitian Wigner matrices

17:30 Wojcieck de Roeck (Heidelberg)
Diffusion in Hamiltonian models

Dienstag, 20. September**Physik, Seminarraum der theoretischen Physik**

14:00 Christoph Schweigert (Hamburg)
Higher categories in field theory - an invitation

15:00 Dorothea Bahns (Göttingen)
String theory outside the critical dimension

Mittwoch, 21. September**Physik, Seminarraum der theoretischen Physik**

14:00 Herbert Spohn (München)
The one-dimensional KPZ equation and its universality class

15:00 Leonid Pastur (Kharkiv, Ukraine)
Fluctuation laws of spectral statistics for large random matrices

16:00h – 16:30h Pause

16:30 Manfred Salmhofer (Heidelberg)
Renormalization group analysis of Fermi systems with pointlike singularities

Donnerstag, 22. September**Physik, Seminarraum der theoretischen Physik**

- 14:00 Rainer Verch (Leipzig)
Quantum fields on non-commutative space: non-commutative potential scattering and Wick rotation
- 15:00 Sefan Weinzierl (Mainz)
Hidden mathematical beauty in scattering amplitudes
- 16:00h – 16:30h Pause**
- 16:30 Hanno Gottschalk (Wuppertal)
On the Anti-de-Sitter / conformal field theory conjecture from a Euclidean quantum field standpoint
- 17:30 Klaus Fredenhagen (Hamburg)
Epstein-Glaser renormalization and Batalin-Vilkovisky formalism