

## MP 7: Hauptvortrag

Zeit: Mittwoch 14:00–14:50

Raum: JUR H

### Hauptvortrag

MP 7.1 Mi 14:00 JUR H

**Bulk universality for Wigner random matrices** — •BENJAMIN SCHLEIN — DPMMS, University of Cambridge, Cambridge, UK

In this talk I am going to consider ensembles of  $N \times N$  random matrices whose entries are, up to symmetry constraints, independent and

identically distributed. Assuming sub-exponential decay of the matrix entries, I will present a proof of the universality of the local eigenvalue statistic; in the limit of large  $N$  the eigenvalue correlation functions are independent of the probability distribution of the entries and are determined by the symmetry of the matrix (hermitian, real symmetric, or symplectic).