## Seminar/Talk

# Poisson local eigenvalue statistics for continuum random Schrödinger operators

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Host: M. Beiglböck, N. Berestycki, L. Erdös, J. Maas

Poissonian local eigenvalue statistics are believed to be a characteristic feature of spectrally localized quantum mechanical systems. For localized random Schrdinger operators Poissonian level statistics have however only been proven for the lattice Anderson model and close relatives: The proof of a key ingredient, the Minami estimate, crucially relied on the rank-1 character of the single-site potential. We present a more flexible approach towards Minamis estimate, which for instance works at the bottom of the spectrum of a continuum random Schrdinger operator with sufficiently regular single-site distributions. The talk is based on joint work with Alex Elgart.

**Tuesday, March 26, 2019 04:30pm - 05:30pm**
Big Seminar room Ground floor / Office Bldg West (I21.EG.101)

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