

**Asymptotics of eigenvalue fluctuations for random
Schroedinger operators**

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Random Schroedinger operators arise in mathematical physics as models of quantum particles in disordered media. Thus, the spectral properties of such operators have attracted a considerable amount of attention. In this talk, we will discuss some recent results regarding eigenvalue asymptotics on various scales, both in the random decaying case and for the celebrated Anderson model.

Some of the results are joint work with Jonathan Breuer and Moshe White.