

# Local Wegner estimates, Minami estimate, and Poisson statistics of eigenvalues for continuum Anderson Hamiltonians

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**Abstract:** We prove local Wegner estimates for continuum Anderson Hamiltonians. As an application we obtain Minami's estimate and Poisson statistics of eigenvalues for continuum Anderson Hamiltonians whose single-site probability distributions are only required to have bounded densities with compact support, extending our previous work. We also obtain Lifshitz tails estimates for the differentiated density of states. (Joint work with Jean-Michel Combes and François Germinet.)