1070-60-209 **Mihai Stoiciu*** (mstoiciu@williams.edu), Department of Mathematics and Statistics, Bronfman Science Center, Williams College, Williamstown, MA 01267. *Random Matrices with Poisson Eigenvalue Statistics.* Preliminary report.

We describe several classes of random matrices, both Hermitian and unitary, which exhibit local (microscopic) Poisson eigenvalue statistics. We describe the general strategy for proving these results and discuss connections between classes of random matrices with this property. We also present numerical evidence supporting the conjecture that the Poisson eigenvalue statistics holds for random non-Hermitian Anderson models (Hatano-Nelson matrices). (Received February 12, 2011)