

1145-82-2184

**Rajinder Singh Mavi\*** (mavir@ripon.edu), 300 Seward Street, Ripon, WI 54972, and **Rodrigo Matos** and **Jeffrey Schenker**. *Dynamical and spectral properties of random Schrodinger operators with strongly correlated potentials*. Preliminary report.

We consider a random Schrodinger operator with strongly correlated potentials at arbitrarily large distances. We will study the dynamical and spectral properties of the Hamiltonian. We apply our results to an Anderson localized polaron, which is the motivation of our study. (Received September 25, 2018)