1086-81-1459   **Matthew Largo**, **Sheng Xiong*** (`sxiong@pitt.edu`) and **Wei-Shih Yang**. *Quantum random walks with open decoherence.* Preliminary report.

I will discuss discrete-time quantum random walks on graphs under partial open decoherence with parameter p. In this talk, I will present the results of my work collaborated with Matthew Largo and Wei-Shih Yang on the limiting distribution of partial open quantum random walks with parameter p on an integer lattice. (Received September 22, 2012)