

New perspectives on disordered quantum systems: open systems and matrix product states

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I will give an overview of recent results and open questions on disordered matrix product states and disordered generalized measurement processes. Both areas of study rely on the long-time behavior of *Ergodic Quantum Processes (EQP)*, which are discrete time evolutions described by the composition of a sequence of random quantum channels with a stationary distribution.

(Joint work with: Owen Ekblad, Eloy Moreno Nadales, Lubashan Pathirana, and Eric Roon)