

School of Physics Seminar

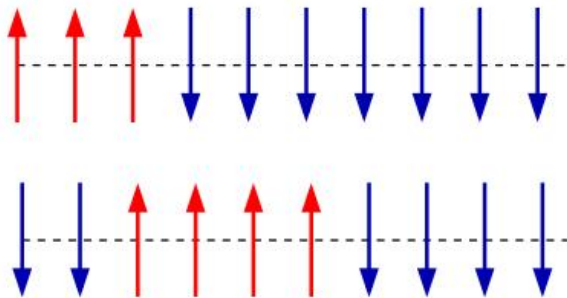


Prof. Masud Haque

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Wednesday 11/10/17 at 4pm in SCN room 128

Non-equilibrium dynamics in isolated quantum systems



Quantum many-body physics has traditionally focused on equilibrium properties and low-energy excitations. However, in recent years, motivated by novel experimental possibilities, the study of quantum matter far from equilibrium is emerging as an active and exciting field of research. In the absence of external mechanisms for reaching equilibrium, the behavior of an isolated quantum system poses many new challenges to our understanding of quantum matter. I will present examples of a few classes of dynamical phenomena in isolated quantum systems, highlighting effects and questions that arise explicitly due to isolation.

All Welcome!