

Laboratoire de Physique Théorique et Hautes Energies

Unité Mixte de Recherche (UMR 7589) de Sorbonne Université et du CNRS

SEMINAIRE du LPTHE

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ENS

Random quantum circuits

Quantum circuits are discrete-time models for many-body dynamics. They have a minimal amount of structure, making them a useful starting point for studying the out-of-equilibrium evolution of entanglement and correlations. Circuits are also a natural setting for defining broader classes of dynamics that involve measurement and feedback operations. In this talk I will define what random quantum circuits are, sketch one of the basic structures allowing analytical calculations, and describe an entanglement phase transition induced by repeated quantum measurement.

Bibliothèque du LPTHE, tour 13/14, 4^{ème} étage

*N.B. La liste de tous les séminaires en région parisienne est disponible sur
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