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Vojkan Jaksic

Tuesday, November 12, 2024 2:00 PM (45 minutes)

Title: Some remarks on entropy production in quantum statistical mechanics

Abstract: I will introduce quantum mechanical entropic notions that play a role in the recent series of papers (joint work with T. Benoist, L. Bruneau, A. Panati, C-A. Pillet).

1. A note on two-times measurement entropy production and modular theory
2. On the thermodynamic limit of two-times measurement entropy production
3. Entropic Fluctuations in Statistical Mechanics II. Quantum Dynamical Systems
4. Entropic fluctuation theorems for spin-fermion model

This talk is an introduction to the follow up talk by L. Bruneau.