

From AL to MBL

jeudi 29 février 2024 11:00 (1h 30m)

So far, most of the work aimed at understanding the many-body localization (MBL) problem has focused on the regime of relatively strong interactions. In this talk, after presenting some aspects of the current state of the field, I will discuss the overlooked regime of weak interactions, which turns out to be quite instructive for getting a better grasp on the MBL problem. I will also discuss very recent results on two-body correlations, which show unique properties to witness an ergodic instability and to test the avalanche theory.

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