

THEORETISCH PHYSIKALISCHES KOLLOQUIUM

Donnerstag, den 18.07.2019 um 15:30 Uhr in Raum 46-576

Universality in dissipative interacting spin chains

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The talk will discuss instances of universality and dynamical phases of interacting quantum spin chains, where coherent and dissipative dynamics occur on equal footing, shaping novel non-equilibrium phase diagrams. The first part of the talk will present our first milestones in extending paradigmatic models of quantum impurities to the dissipative regime, while in the second half I will present an instance of 'cold' time crystal occurring in open systems, where neither MBL or pre-thermalisation are required to stabilise a strongly interacting non-equilibrium steady state.