

Physikalisches Kolloquium

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Why do things thermalize in a box?

The eigenstate thermalization hypothesis (ETH) is a cornerstone in our understanding of quantum statistical mechanics. In the first part of the talk, I will give a broad overview of thermalization of isolated quantum systems, and of the role played by random-matrix descriptions.

The extent to which ETH holds for nonlocal operators (observables) is an open question. In the second half of the talk, I will address this question using an analogy with random matrix theory.

Montag, 26.04.2021, 16:15 Uhr

Ort: zoom talk