



UNIVERSITÄT
BIELEFELD

Faculty of Physics

Physikalisches Kolloquium

Physical Colloquium

Masud Haque

Maynooth University, Ireland

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 questions using an analogy with random matrix theory.

Monday/Montag, 26 April 2021, 16.15 Uhr MESZ

Zoom Conference Call— Please contact Jürgen Schnack
(jschnack@uni-bielefeld.de) for details regarding access