KIDS TALK

"Bistability in a dissipative Rydberg lattice model"

Speaker: Dominik Linzner, AG Fleischhauer

Abstract: In course of this talk I will present to you the dissipative transverse field Ising model, which can be mapped to a system interacting of Rydberg atoms in the presence of decay.
Our method at hand for a problem of this kind is a matrix product state based algorithm for time evolution (TEBD) which can be extended from closed to open systems.
I will discuss our findings regarding bistability and the formation of aggregates in this system and give an introduction to the TEBD algorithm.

When: Friday, June 12th 2015, **10:00 am**

Where: Room 46-387/388

All undergraduate and graduate students as well as postdocs are welcome and encouraged to join our discussion!

For questions, comments or suggestions: vollmar@rhrk.uni-kl.de

********** COFFEE, TEA AND COOKIES WILL BE SERVED **********