

Theory Colloquium

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“Quantum Simulation and Quantum Optimization”

Abstract

In this seminar I will give an overview of the topics included in my planned Habilitation. I will cover quantum simulation of phenomena inspired by soft-matter including liquid crystals in optical cavities, glassy dynamics in quantum dipolar crystals, quantum soft-shoulder potentials and a quantum hexatic phase. In the second part I will discuss quantum optimization with a focus on implementations in near term experiments.

Wednesday | 24.10.2018 | 17:00

Seminar room 1 | ICT building