

PHYSIKALISCHES KOLLOQUIUM

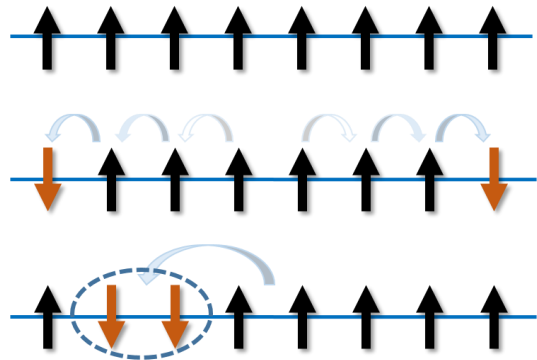
WINTERSEMESTER 2023/24

Montag, 06.11.2023, 12 Uhr c.t.

MORE THAN ONE CENTURY OF THE 1D ISING MODEL: ANY NEW PHYSICS WE CAN STILL LEARN?

Zhe Wang, TU Dortmund

Since the invention of the Lenz-Ising model in 1920, the one-dimensional (1D) spin models have been extensively investigated and become textbook examples for illustrating basic physical concepts, such as spin excitation, fractionalization, and phase transition. I will present our recent experimental findings in solid-state realizations of the 1D Heisenberg-Ising models. In particular, I will discuss on the experimental observation of featured 1D quantum spin excitations, including confined spinons, many-body Bethe strings, and E8 particles.



Die Einführung erfolgt durch Anna Böhmer

Die Fakultät lädt alle Interessierten herzlich ein. Die Veranstaltung findet im Hörsaal HZO 20 statt.

