

Joint CQSE and CASTS Seminar

Weekly Seminar
May 3, 2013 (Friday)

TIME May 3, 14:30 ~ 15:30
TITLE Exotic Entanglement Entropy Scaling of Quantum Critical Spin Chains
SPEAKER Prof. Pochung Chen
Department of Physics, National Tsing Hua University
PLACE Rm716, CCMS & New Physics Building, NTU

Abstract

In this talk we discuss exotic entanglement entropy scaling of quantum critical spin chains. We will use spin 1/2 XXZ model and spin-2 model as examples. We show that due to the permutation symmetry at the boundary of ferromagnetic transition, non-trivial cross-over behavior can appear in entanglement entropy scaling.

