

ICTS String Seminar

Title : Symmetry restoration via quantum quench

Speaker : Diptarka Das, Indian Institute of Technology Kanpur

Date : Thursday, February 13, 2020

Time : 11:00 am

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : We consider smooth, global quantum quenches for two dimensional, massless interacting fermions with large number of flavours. We find that the spontaneously broken discrete symmetry (in equilibrium) gets restored via the quench. We identify the scaling of the time of symmetry restoration with the Kibble-Zurek scaling in the problem. We end with comments on thermalization and generalizations.