清华大学高等研究院

Institute for Advanced Study, Tsinghua University

学术报告

Title: **Towards an unified framework of symmetry enriched (topological) phases in 2+1D**

Speaker: **Dr.Yidun Wan**
(Perimeter Institute for Theoretical Physics)

Time: **10:00am & 3:00pm, Wednesday, Feb 19,2014**

Venue: **Conference Hall 322, Science Building, Tsinghua University**

Abstract

In this talk, I shall introduce our recent series of works on our idea of encompassing symmetry enriched topological (SET) phases and symmetry protected topological (SPT) phases in 2+1D into an unified framework, in the sense that these phases can be embedded in some parent topological phases, which can break into SET and/or SPT phases via pseudo anyon-condensation. I shall begin with our work on classifying SET phases and studying the boundary states of these phases in the K matrix framework.

About the Speaker: PhD: University of Waterloo / Perimeter Institute

Current position: Postdoc at the Perimeter Institute

Previous position: Postdoc at the University of Tokyo