

北京大学量子材料科学中心 International Center for Quantum Materials, PKU

中心讲座 ICQM Informal Seminar

The Family Tree of Topological Insulators and Superconductors

Prof. Dr. Shun-Qing Shen
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Hong Kong

Time: 10:00 am., 25th May, 2012 (Friday)

时间: 2012年5月25日(周五)上午10:00

Venue: Conference Room A (607), No. 5 Science Building

地点: 理科五号楼607会议室

Abstract

Prof. Shun-Qing Shen will briefly introduce the history of topological insulator and superconductor:

- 1. from the Hall effect to quantum spin Hall effect;
- 2. from one-dimensional polyacetalene, to three-dimensional Bi2Te3, Bi2Se3,....;
- 3. from superfluids He3 to the quantum Hall effect, and topological insulators.

This seminar is intended to reveal a discovery that the Dirac equation may thread all these topological phases together to form a new family in condensed matters.