



ICQM Informal Seminar

The Family Tree of Topological Insulators and Superconductors

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

: 2012 5 25 10:00

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

: 607

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.