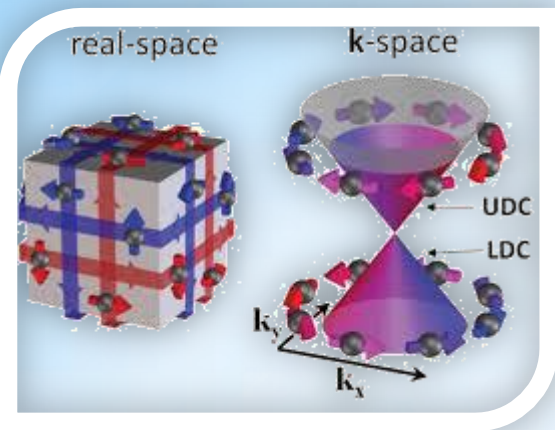


NCTS Program on

Topological Aspects of Quantum Matter



Lecture Room 4A, 4F, 3rd General Building, Nat'l Tsing Hua Univ. 清華綜三館4A

WEEK 1: (12/01 ~ 12/05)

Workshop on AdS/CFT, Entanglement, and Topological Aspects of Quantum Matter
Workshop on Topological Fluids, Artificial Gauge fields, and Spin-Orbit Coupling in Ultracold gases

12/1 (Mon.) 11:30 AM Ingo Peschel (Free Univ. of Berlin, Germany)
Free-fermion entanglement, signals and random matrices.

12/2 (Tue.) 11:30 AM René Meyer (IPMU, Univ. of Tokyo, Japan)
Holographic fractional quantum Hall models based on modular symmetry.

12/2 (Tue.) 14:30 PM Janet Hung (Fudan Univ., China)
Various things entanglement entropy teaches us.

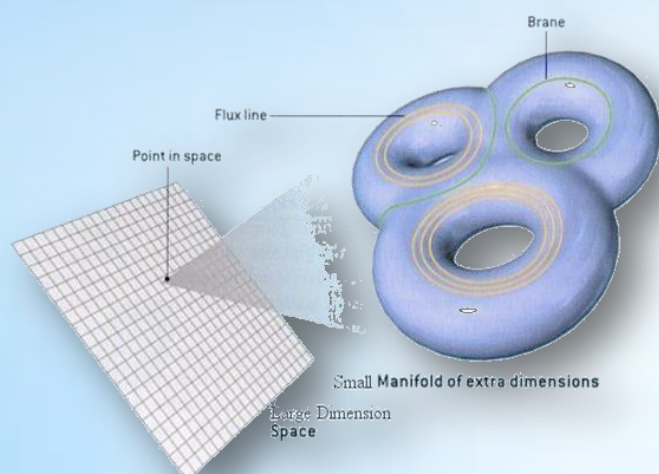
12/3 (Wed.) 11:30 AM Xin Wan (Zhejiang Univ., China)
Critical entanglement spectrum of the one-dimensional AKLT state and beyond.

12/3 (Wed.) 14:30 PM Watson Kuo (National Chung Hsin Univ., Taiwan)
Quantum optics based on superconducting artificial atoms.

12/4 (Thu.) 11:30 AM Miguel A. Martin-Delgado (Complutense U. of Madrid, Spain)
Experimental quantum computations on a topologically encoded qubit.

12/4 (Thu.) 14:30 PM Chen-Pin Yeh (National Dong Hwa Univ., Taiwan)
Decoherence in quantum critical theories: a holographic approach.

12/5 (Fri.) 11:30 AM Yu-Cheng Lin (National Cheng-Chi Univ., Taiwan)
Phase transitions in correlated valence-bond states.



Webpage <http://phys.cts.nthu.edu.tw/actnews/?Sn=196>

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