

Symmetry in Topological Phases

Monday, 17 March 2014

- 9:25 **Welcome and introductions**
- 9:30-10:30 “Highly entangled quantum matter.”
Xiao Gang Wen, Perimeter Institute
- 10:30-11:00 “TBA”
Zheng-Cheng Gu, KITP, UCSB
- 11:00-11:30 **Coffee Break**
- 11:30-12:30 “A New Look At The Jones Polynomial Of A Knot”
Edward Witten, IAS
- 12:30-2:00 **Lunch at PCTS, Jadwin Hall, Fourth Floor**
- 2:00-3:00 “TBA”
Ashvin Vishwanath, Berkeley
- 3:00-3:30 “Symmetry protected topological phases and orbifolds/orientifolds”
Shinsei Ryu, University of Illinois
- 3:30-4:00 **Coffee Break**
- 4:00-5:00 “Braiding statistics and symmetry-protected topological phases”
Michael Levin, University of Chicago

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- 9:00-10:00 “Interacting electronic topological insulators in three dimensions.”
Senthil Todadri, MIT
- 10:00-10:30 “Topological lattice models and confinement in 3 dimensions”
Fiona Burnell, University of Minnesota
- 10:30-11:00 **Coffee Break**
- 11:00-12:00 “Spin Fluctuations and Entanglement”
Ari Turner, University of Amsterdam/Johns Hopkins
- 12:00-1:30 **Lunch at PCTS, Jadwin Hall, Fourth Floor**
- 1:30-2:00 “Time reversal topological order at the surface of a topological superconductor”
Lukasz Fidkowski, SUNY Stony Brook
- 2:00-3:00 “Domains walls, categorified group actions, and condensing fermions”
Kevin Walker, Microsoft Station Q