

**Programme on “Topological Phases of Quantum Matter”****organized by****Nicholas Read (Yale U), Jakob Yngvason (U Vienna), Martin Zirnbauer (U Cologne)****Schedule of Talks: August 11 - 14, 2014:****• Monday, August 11, 2014**10:30 – 11:00 *Coffee/tea*11:00 – 12:30 **Xiao-Gang Wen:** *Quantum entanglement, topological order, and tensor category theory (III)*12:30 – 14:00 *Lunch break*14:00 – 15:30 **Michael Stone:** *Berry curvature, spin and anomalous velocity***• Tuesday, August 12, 2014**10:30 – 11:00 *Coffee/tea*11:00 – 12:30 **Jeffrey Teo:** *Twist liquids and gauging anyonic symmetries*12:30 – 14:00 *Lunch break*14:00 – 15:30 **Taylor L. Hughes:** *Spatial symmetry protected topological phases and geometry***• Wednesday, August 13, 2014**10:30 – 11:00 *Coffee/tea*11:00 – 12:30 **Emil Prodan:** *The non-commutative geometry of the complex classes of topological insulators: analysis and simulation*12:30 – 14:00 *Lunch break*14:00 – 15:30 **Norbert Schuch:** *Topological order and chirality of Projected Entangled Pair States***• Thursday, August 14, 2014**10:30 – 11:00 *Coffee/tea*11:00 – 12:30 **Terry Loring:** *Joint pseudospectra and the  $K$ -theory of local energy gaps*12:30 – 14:00 *Lunch break*14:00 – 15:30 **Shinsei Ryu:** *Hydrodynamic effective field theories of topological insulators***Friday, August 15, 2014** *Public Holiday, no lectures***All lectures take place at the ESI, Boltzmann Lecture Hall**