

# Seminar Program<sup>1</sup>

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Monday, July 6

11:00 - 12:00     **Lukasz Fidkowski** (CALTECH, Pasadena, USA)  
*The effects of interactions on the topological classification of free fermion systems*

16:30 - 17:30     **TOPO09 Colloquium:**  
**Hans-Peter Büchler** (Universität Stuttgart, Germany)  
*Strongly correlated quantum phases with cold polar molecules*

Tuesday, July 7

11:00 - 12:00     **Masud Haque** (MPIPKS Dresden, Germany)  
*Entanglement measures used to probe topological order in quantum Hall states*

15:00 - 16:30     **Chris Henley** (Cornell University, Ithaca, USA)  
*Spin order of the classical Kagome antiferromagnet: Via effective Hamiltonians*

Wednesday, July 8     **Attention: Seminar room 1 D 1**

11:00 - 12:00     **Frank Pollmann** (University of California, Berkeley, USA)  
*Theory of finite-entanglement scaling at one-dimensional quantum critical points*

15:00 - 16:00     **Gil Refael** (CALTECH, Pasadena, USA)  
*Infinite randomness phases in disordered anyon chains*

Thursday, July 9

11:00 - 12:00     **Wolfram Brenig** (Universität Braunschweig, Germany)  
*Plaquette order in the  $J_1$ - $J_2$ - $J_3$  model: A series expansion analysis*

15:00 - 16:30     **Oleg Tchernyshyov** (Johns Hopkins University, Baltimore, USA)  
*Fermionic spin excitations in two- and three-dimensional antiferromagnets*

Friday, July 10

11:00 - 12:00     **Ehud Altman** (Weizmann Institute of Science, Rehovot, Israel)  
*Probing topological order and non local order parameters in systems of ultracold atoms*

15:00 - 16:00     **Jason Alicea** (CALTECH, Pasadena, USA)  
*Interlayer coherent Halperin-Lee-Read phase in quantum Hall bilayers*

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<sup>1</sup>Abstracts available at <http://www.pks.mpg.de/~topo09/>