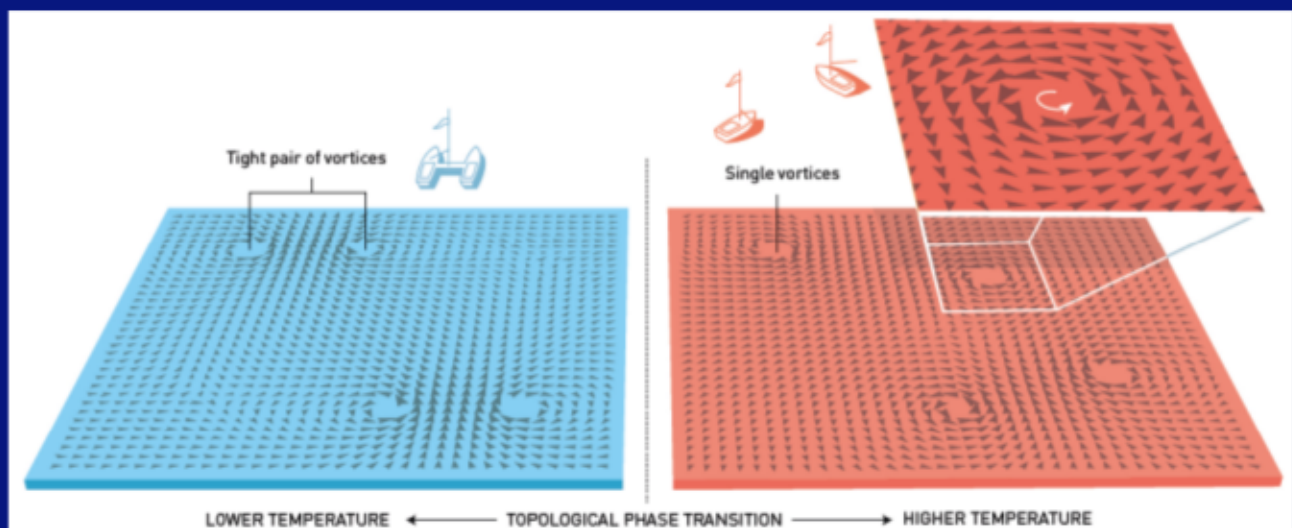


# Hauptseminar WS 2017/18

## Topological phenomena in condensed matter theory

Prof. Dr. Bernd Rosenow, ITP Universität Leipzig  
Mo 17:00-18:30 SR 114 ITP, first meeting October 16th

- topological excitations (vortices, skyrmions)
- Kosterlitz-Thouless transition
- Berry phase
- quantum Hall and quantum spin Hall conductivity
- TKNN invariant
- topological insulators and superconductors



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