

Symposium Topology in Condensed Matter Physics (SYTO)

jointly organized by
 the Low Temperature Physics Division (TT),
 the Semiconductor Physics Division (HL),
 the Magnetism Division (MA), and
 the Surface Science Division (O)

Frank Pollmann
 TU München
 frank.pollmann@tum.de

Sebastian Mühlbauer
 TU München
 Sebastian.Muehlbauer@frm2.tum.de;

Stephan Rachel
 University of Melbourne
 stephan.rachel@unimelb.edu.au;

Hermann Suderow
 Universidad Autonoma de Madrid
 hermann.suderow@uam.es;

Jeroen van den Brink
 IFW and TU Dresden
 j.van.den.brink@ifw-dresden.de;

Topology has developed into a main organising principle in the classification and characterisation of condensed matter systems. Since the discovery of topological insulators about ten years ago, topological condensed matter physics has been a very fast developing field. It has become clear that topology manifests itself in many different ways and in a diverse set of physical systems. This symposium brings together some of the leading experts in theory and experiment that focus on topological aspects of electronic band structures, of magnons in magnetic systems, in mechanical materials and in the semiconductors that exhibit the fractional quantum Hall effect.

This Symposium is part of a more general "FOCUS ON TOPOLOGY", for details see the individual program parts of HL, MA and TT.

Overview of Invited Talks and Sessions

(Lecture room H 0105)

Invited Talks

SYTO 1.1	Wed	9:30–10:00	H 0105	Beyond Topologically Ordered States: Insights from Entanglement — •B. ANDREI BERNEVIG
SYTO 1.2	Wed	10:00–10:30	H 0105	Topological Magnon Materials — ALEXANDER MOOK, JÜRGEN HENK, •INGRID MERTIG
SYTO 1.3	Wed	10:30–11:00	H 0105	Topological Order of Interacting Polymers on a Substrate — •VINCENZO VITELLI
SYTO 1.4	Wed	11:15–11:45	H 0105	Quantization of Heat Flow in Fractional Quantum Hall States — •MOTY HEIBLUM
SYTO 1.5	Wed	11:45–12:15	H 0105	Currents and Phases in Quantum Rings — •KATHRYN MOLER

Sessions

SYTO 1.1–1.5	Wed	9:30–12:15	H 0105	Topology in Condensed Matter Physics
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