

Bonn-Cologne Graduate School of Physics and Astronomy

Intensive Week Course: Tools of Topology for Quantum Matter



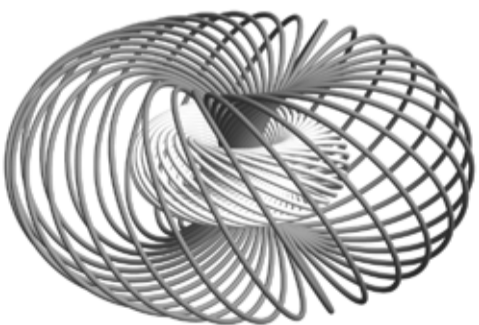
July 28 - August 1, 2014

Topics:

Tools from Quantum Information Theory, Anyon Models, Introduction to K-theory, Homotopy Theory of Fibrations, Morse Theory & Bott Periodicity.

Lecturers:

A. Kahle, R. Kennedy, T. Quella, A. Roy, M. Zirnbauer



This course is offered to the community of PhD students and young researchers who are curious about the field of topological quantum matter and seek training in the mathematical methods of the subject. The Intensive Week starts on Monday morning, ends on Friday night, and consists of five training units, one per day. Each training unit starts with an introduction by the lecturer in charge and leads to a tutored session of problem solving by the student participants.

If you would like to participate, please register by sending an e-mail to rkennedy@uni-koeln.de. The deadline for registrations is July 18th.

