



INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH



International School on Topology in Quantum Matter



29th June - 13th July, 2011
Indian Institute of Science, Bangalore

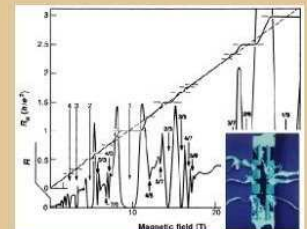
The school is aimed at students who are interested in pursuing research in physics. These could include first or second year MSc students in physics or mathematics, beginning Ph.D. students in physics, or BE/B-Tech students in various branches of engineering who wish to pursue physics. Some senior researchers may also find this course useful.

Courses

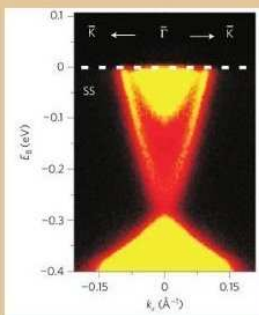
Mathematical Concepts on Topology
Nitin Nitsure, TIFR, Mumbai

Preliminary Physics Concepts
Diptiman Sen, IISc., Bangalore
& R. Shankar, IMSc., Chennai

The Quantum Hall Effect
Jainendra Jain, Penn State



Topological Insulators
Shun-Qing Shen, Univ. Hong Kong



Topological Quantum Computation
Steven Simon, Oxford

In addition to several colloquia on related topics, the school will feature a public lecture on July 4 by:

Klaus von Klitzing
(Discoverer of the Quantum Hall Effect
Winner of the 1985 Nobel Prize in Physics)

To participate, please apply online by following the links at
<http://www.icts.res.in> before 15th March 2011.

Organisers: J.K. Jain, H.R. Krishnamurthy, R. Shankar and V. Shenoy