

June 6 (Fri.)
(Part 1) 11:00 – 12:15
(Part 2) 13:30 – 14:45

Quantum Hall Effect from the wave function point of view, Parts 1 and 2 (Introductory Lectures)

Vincent Pasquier (CEA Saclay)

(I plan to really make it for beginners)

- Lowest Landau Level Physics. a few geometries.
Projection in the LLL and noncommutativity: Laughlin and Jain wave functions, the $\nu = 1/2$ state.
- Jack and Macdonald polynomials and nonabelian states:
The edge states, the protected states and topology.
Some relations with combinatorics.