

Seminar

Introduction to the quantum Hall effects

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The quantum Hall effect (QHE) refers to the collection of phenomena and quantum phases of matter observed in two-dimensional electronic systems placed in a strong perpendicular magnetic field. In this talk, I will first introduce the quantum Hall phenomenology from an experimental standpoint. Then, I will discuss theoretical ideas based on the composite fermion picture that provides an understanding of most of the QHE phenomenology occurring in the lowest Landau level in a unified manner.

Wednesday, Mar 13th 2024

16:00 Hrs (Tea / Coffee 15:45 Hrs)

Seminar Hall, TIFR-H