

## **abstract**

MATHEMATICAL PHYSICS SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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The integer quantum Hall effect (IQHE) entails a very precise quantization of the Hall conductance in a 2D sample at very low temperatures. Depending on whether the currents in the sample are ascribed to the bulk or the edge, two apparently different conductances  $\sigma_B$  and  $\sigma_E$  have been used to explain this effect. In this talk, the definition of the two conductances and a proof that  $\sigma_B = \sigma_E$  will be discussed.