

News from Quantum Hall Physics

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Every day a new paper is published where the word “Quantum Hall Effect” (QHE) appears in the title or abstract. Many of these publications are not related to solid state physics and as an introduction some of these theoretical papers are mentioned. The main part of the talk will summarize recent experimental results obtained in my group including QHE research in graphene, new results for a microscopic understanding of electron-electron interaction phenomena in quantum Hall systems (superfluidity in double layer systems, composite fermions, microwave induced phenomena), and measurements of the current distribution in QHE devices.