Physik-Kolloquium

Dienstag, den 09.07.2019, 17.00 Uhr

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Strong non-equilibrium effects in micromagnetics

Spin currents, and correlations between spin and charge currents, are at the basis of Spintronics. When the spin and charge are transported through a small grain (a „micromagnet“) or when the grain is subject to Ferromagnetic Resonance, one needs to consider quantum fluctuations and strong deviations from equilibrium. I shall review recent developments in this field, stressing the importance of far-from-equilibrium regimes and of geometrical phase effects.