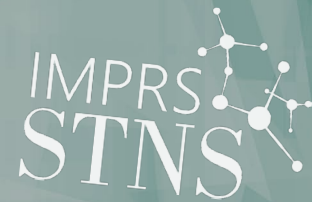


Magnetization dynamics

tutorial

October 17, 2018 | 4:00 pm
Lecture Hall MPI | B.1.11



Abstract

In this tutorial I will begin by reviewing the simple theoretical aspects of magnetization dynamics including the equation of motion, ferromagnetic resonance condition, Gilbert damping, and spin waves.

Subsequently the experimental techniques to observe these phenomena will be presented and compared. These include ferromagnetic resonance, Brillouin light scattering and time resolved MOKE.

After this introduction to the field I intend to discuss a few more recent experiments from my group involving spin pumping and spin Hall effects. Finally, I will conclude with an outlook towards ultrafast spin dynamics.

Speaker

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