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spin-flop scattering on out-of-equilibrium spin dynamics in F/N based magnetic nanostructures. 2. Spin-Dependent Interface Scattering-Induced Torques in Magnetic Multilayer Nanostructures 2.1. Features of Spin Transfer Effect In this section, a simple intuitive picture of the physics behind the spin-transfer effect is considered. The connection

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This has also created a bridge to magnetic topological systems, where magnetism, topological quasiparticles that affect dramatically Hall transport and spin-current generation, ... This GRC will be held in conjunction with the "Spin Dynamics in Nanostructures (GRS)" Gordon Research Seminar (GRS).

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In heterostructures described as 'magnetic material/material with a strong spin-orbit interaction' with the excitation of the magnetization dynamics by a femtosecond laser pulse, spin pumping occurs. As a result of this the spin current flows from

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the magnetic layer into the substrate, and, as a result of the inverse spin Hall effect, is converted into a charge current, which can easily be ...

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