

Sonderseminar TRR 80

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Physik - Department
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Polarized neutron scattering in nano-layered systems

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Polarized neutron investigations of artificially structured materials are basically done with the purpose of understanding the interplay between structure and magnetism confined within the nanometer scale that can be additionally depth-resolved. I will discuss in particular, the depth and lateral distribution of the ferromagnetic spins relative to the interface within various interlayer-coupled systems, exchange-coupled systems and dilute magnetic semiconductors.