

50 years of D11

A history of SANS
at the ILL



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Ever higher magnetic fields, ever larger magnetic structures (remote)

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A magnetic field is one of the many tools that we can use to tune or adjust materials. In some cases, this is through the very direct coupling to atomic magnetic moments, giving rise to new structures. In other cases, the interaction is on the microscopic scale, for example, the rotation or growth of magnetic domains over a wide range of length scales. Some materials do not have direct magnetic degrees of freedom, but due to their shape can still respond to the direction imposed by a magnetic field. In this talk, I will show how this tool, the magnetic field can be used to control what appears in the small angle scattering domain.

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