

50 years of D11

A history of SANS
at the ILL



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D11 and the microgel's softness, a long standing story with a bright future

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In this talk, I will discuss the fundamental contribution of small-angle neutron scattering - in particular of D11 - in the understanding of the properties of both individual microgels and of the macroscopic properties of microgel suspensions. We will discuss the use of SANS for the characterisation of the architecture of individual microgels. Then we will focus on the use of contrast variation to determine the microgel bulk modulus and the response of individual microgels to crowding.

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