Small Angle X-ray Scattering

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Small angle X-ray scattering it is a powerful technique to explore the so-called colloidal dimensional range, i.e. the intermediate scale ranging between the atomic/molecular resolution of X-ray diffraction and the resolution of an optical microscope.
The lecture will present the possible applications of small angle scattering and the potentialities of synchrotron sources where conventional sources prove limited. A brief introduction describing the technique will be given to provide the reader with no more than the qualitative tools necessary to understanding the case discussed studies.