

SAXS experiments within conventional XRD instrument

V.A.Kogan, DANNALAB & PANalytical B.V., The Netherlands

Advances of modern x-ray diffractometry are mostly related to accuracy, modularity, new x-ray optics and x-ray sources. The combination of these factors makes it possible to conduct good quality small angle x-ray scattering experiments competing with dedicated SAXS setups.

We will present the results of SAXS evaluation on nano-particles, polymers and biological macromolecules conducted on the conventional X'Pert MRD diffractometer equipped with dedicated collimation system*, optics and source.

* patent pending