

Discussion: Future of neutron structure determination

Thursday, 22 June 2017 09:30 (1 hour)

Diffraction methods as tools for structure determination undergo a permanent development during the last century. Being perfectly parameterized technique and equipped by a powerful mathematical and crystallographic apparatus, the diffraction methods provide unique information about the crystal and magnetic order and disorder on the atomic scale, as well about microstructure (both averaged in time and space). Diffractometry is considered nowadays as a routine analytical technique, but is this really true?

In the frame of the current session it is proposed to discuss the challenges which the neutron-based methods of structure determination may face in the future, especially taking into account rapid development of photon and electron scattering techniques.

Primary author: SENYSHYN, Anatoliy

Session Classification: Parallel Session