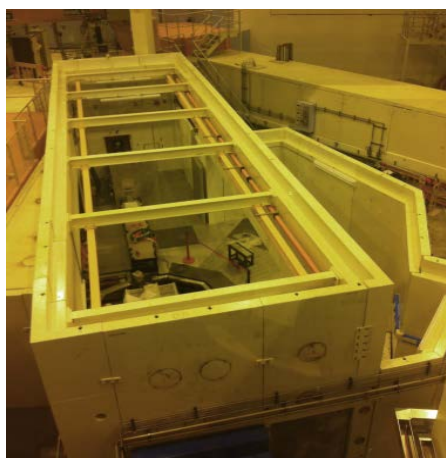
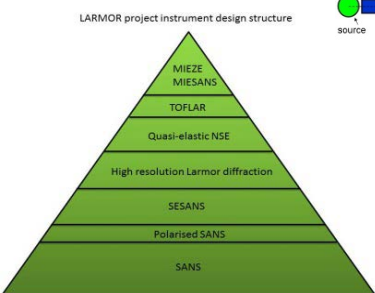
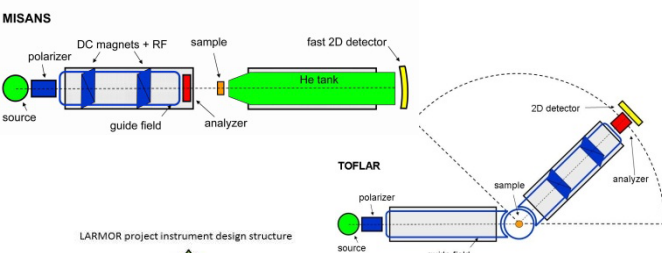
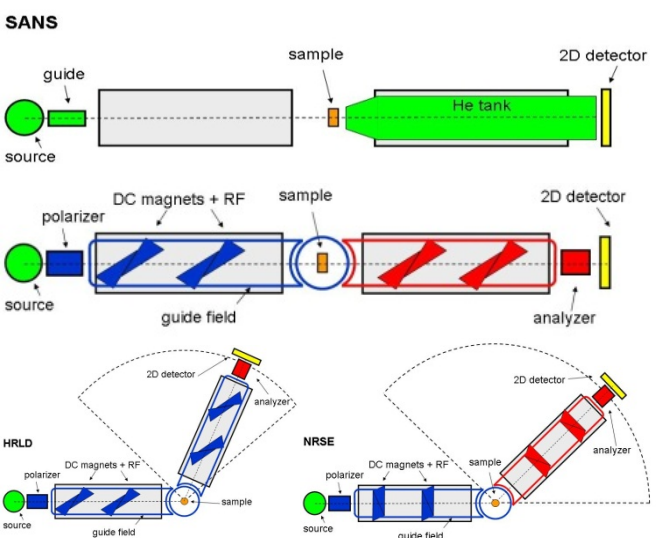
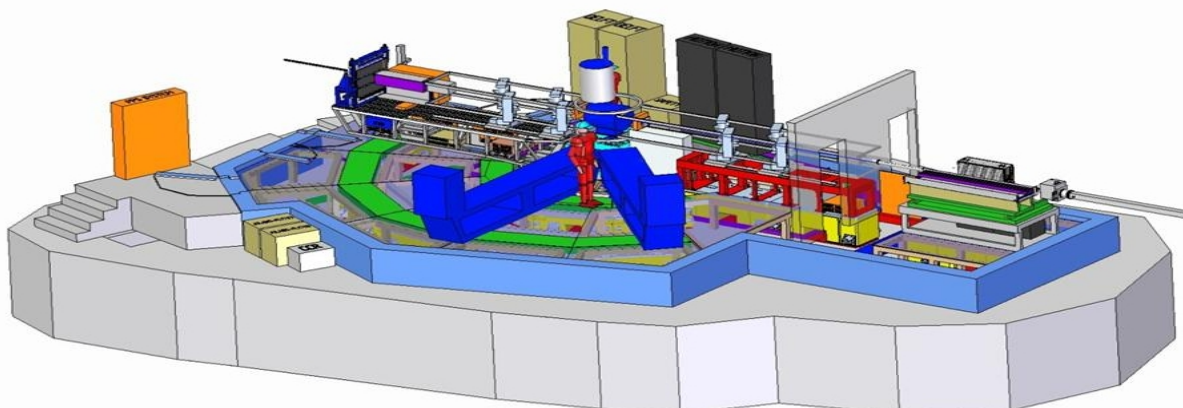


LARMOR

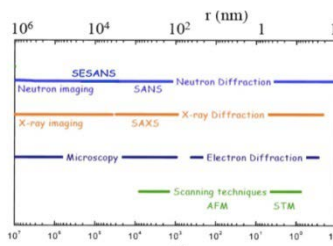
LARMOR will be a neutron instrument for very high-resolution measurements of the position and mobility of atoms and molecules in the bulk. Dutch scientists will have fast and direct access to this unique neutron microscope that will be situated at ISIS the world-leading UK neutron source.

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The blockhouse construction. This is the radiation controlled area where LARMOR will be situated. Pictures taken on 11-07-2013 at second target station at ISIS.



Left the typical length scales covered by neutron diffraction techniques as compared with X-rays, electrons, AFM and STM (source: European Spallation Source). SESANS reaches the highest resolution and even overlaps with high-resolution x-ray and neutron imaging.

Right the typical energy-time and scattering vector-length range covered by neutron spectroscopy. The highest energy resolution is reached by Neutron Spin Echo spectroscopy. The red area represents the parameter range, which will be covered by LARMOR (Resonance NSE, TOFLAR and MISANS). For the sake of comparison typical ranges of other techniques are also shown.

