

Some examples of scattering data obtained on our ICSM SAXS bench :

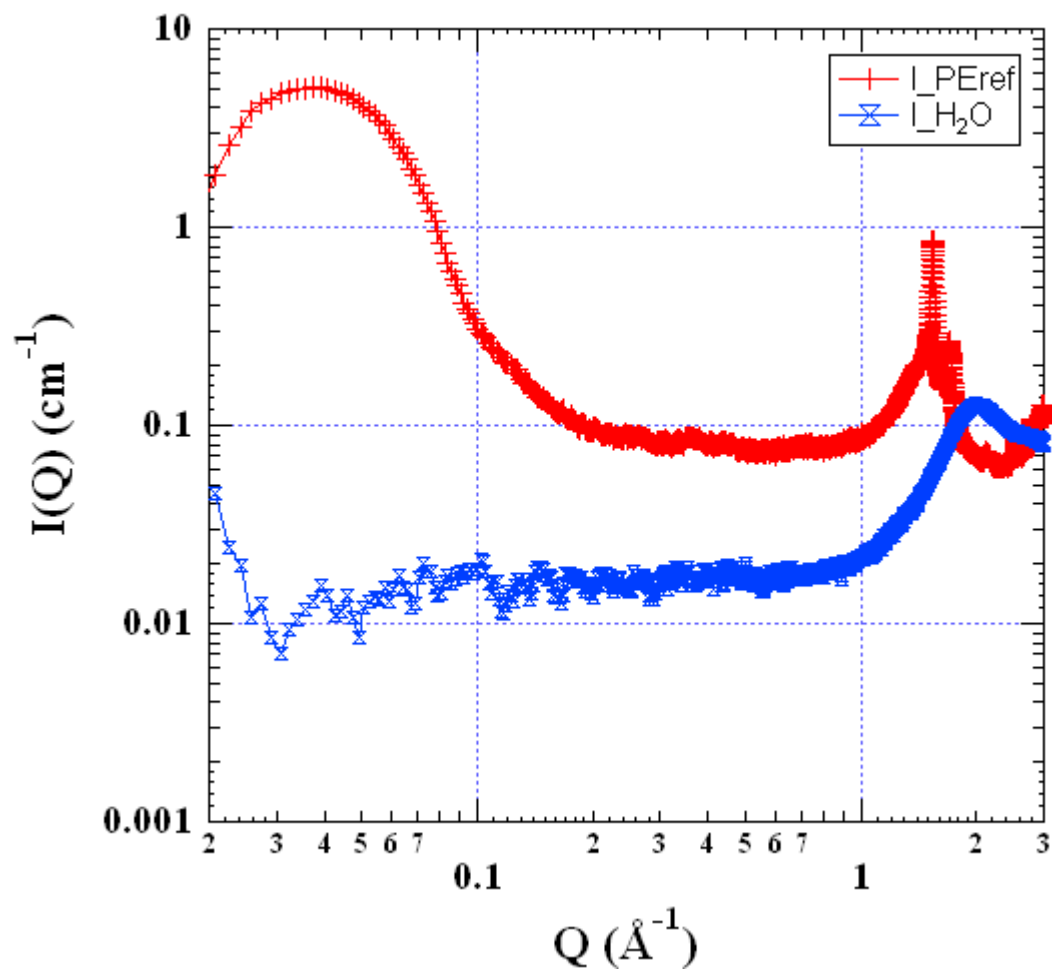
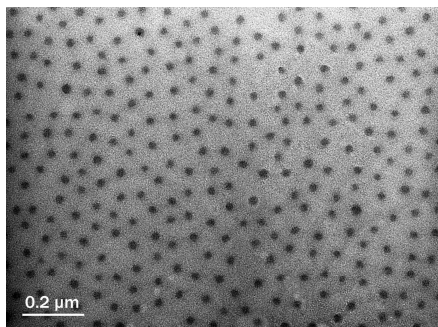
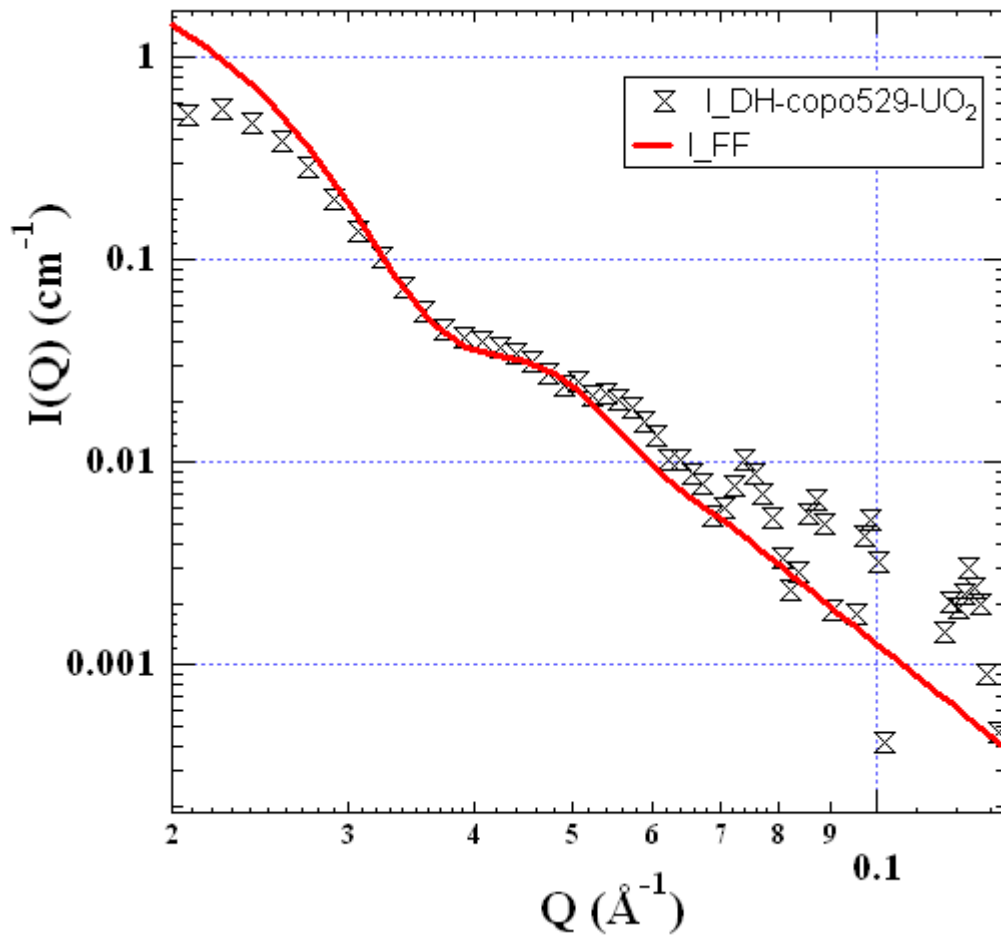


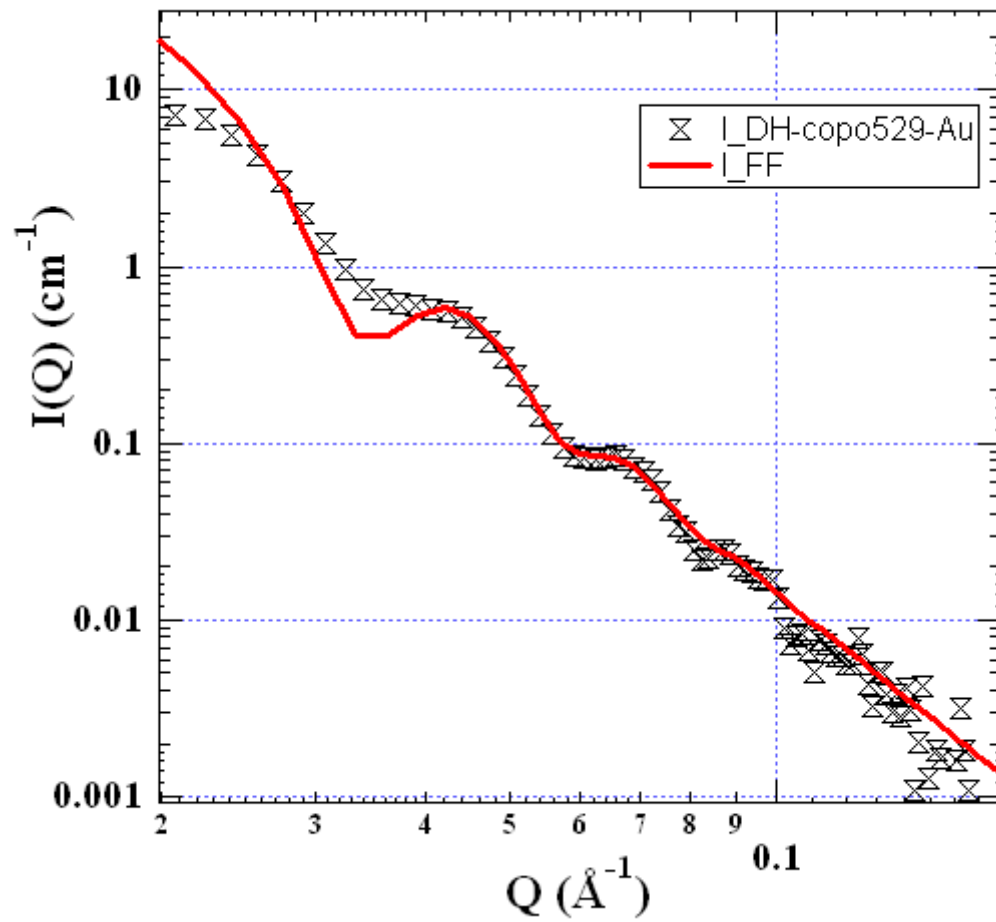
fig 1

In red, high density polyethylene (2.4 mm thick, 300 s acq. time) sample scattering curve used as calibration for the absolute intensity.

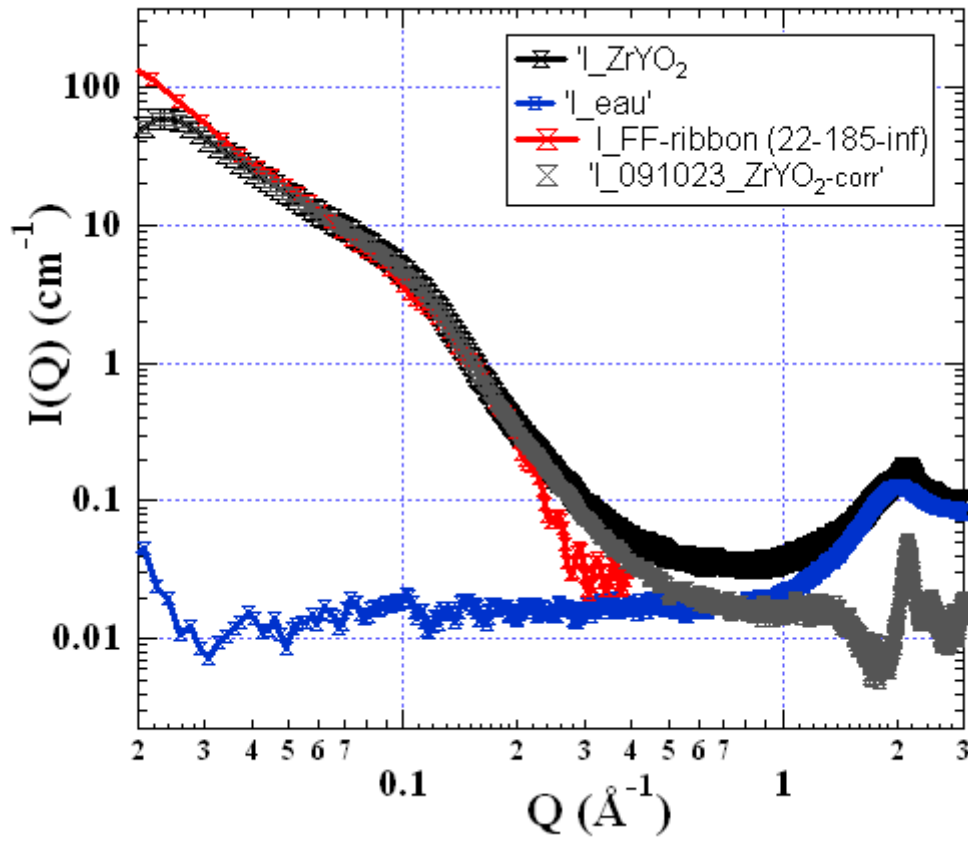
In blue, 3mm thick water scattering curve (3600 s acq. time) in a quartz capillary (plotted with the empty cell correction).



Scattering curve from a solution of diblock copolymer in toluene (0.5 w%) with  $\text{UO}_2$  ( $<50 \mu\text{l/ml}$ ) inside the core of the micelle (radius = 12.3 nm) and associated TEM picture (4200 s acq. time).



Scattering curve from a similar system charged with gold ions (<500  $\mu\text{l/ml}$ ).



Scattering curve from an aqueous suspension of crystallised inorganic platelets; normalised raw data in black, water scattering in blue, corrected data in grey and simulation of a platelets nanoparticle form factor in red.(obtained for one detector position, 2mm thick capillary, 1800 s acq. time)