# Electronic Supporting Information (ESI)

Marion et al.

SANS data can, after subtraction of the incoherent background, be represented plotting the normalised intensity I multiplied with the squared value of the momentum transfer Q. This type of plot is named Kratky plot (Kratky, O.; Porod, G. *Recueil Des Travaux Chimiques Des Pays-Bas- Journal of the Royal Netherlands Chemical Society*, 1949, 68, 1106-1122) and was first used in polymer science. It is particularly useful for polymers that have a Gaussian coil conformation and thus a Q^{-2} slope in small angle scattering data, which yields a plateau in a Kratky plot. Furthermore, Kratky plots can also be used for proteins; a folded protein which means a compact particle, shows a bell-shaped curve in a Kratky representation.

1 Kratky plot of data collected at ambient pressure in a Hellma cell and in the high pressure cell.
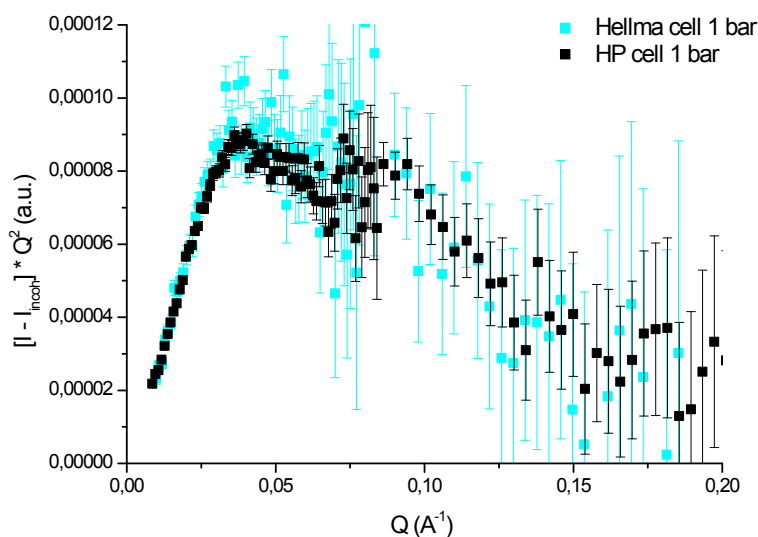
2 Kratky plot of the data corrected for the incoherent background at ambient pressure and 2.1 kbar, both being in the high pressure cell.