Multiple scattering is still an issue in SAS and USAS

Complicates the data analysis

Status of the incorporation of multiple scattering corrections in the analysis softwares:

Ongoing in SASView

Probably possible in SASFit

A direct deconvolution method in 2D by H. Frielinghaus is described at the following links:

Paper:
https://doi.org/10.1016/j.nima.2018.07.027

github:git@jugit.fz-juelich.de:sans/muscatt.git

Test sample suggested (concentrated large colloids in a solvent)

A tool for estimating multiple scattering probability will be useful

B.R. Pauw presented his generic data correction procedure, multiple scattering to be added with a flag.

Related issues:

Effect of beam broadening

Refraction effect and corresponding change of beam center

Educating users about potential artefacts