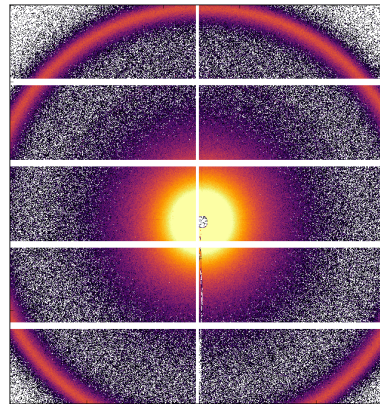


(a) Distance Calibration



(b) AgBehe at large distance

Figure 3.6 | Sample-to-detector distance calibration: a) Radius of the diffraction ring of AgBehe and SBA-15 as a function of the sample-detector distance. A linear function is fitted to obtain the source point distance. The residuals of the fitting are shown in the bottom plot. b) Scattering pattern of AgBehe measured at a distance of 3638.2 mm. At such long sample-to-detector distances, the diffraction rings exceeds the detector area and the associated uncertainty increases.