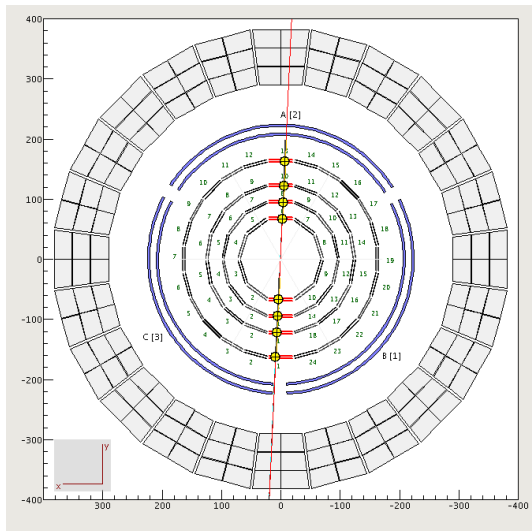
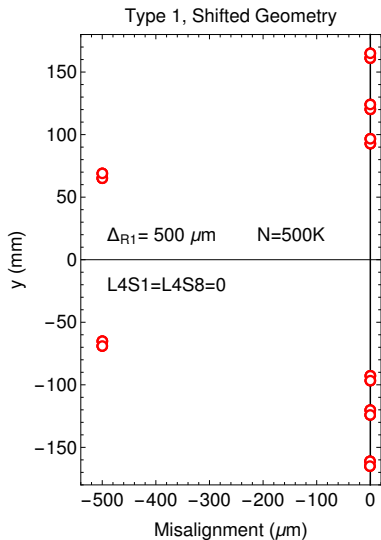
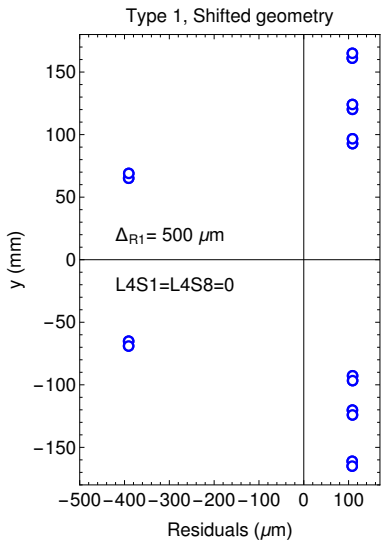


CLAS12 SVT Geometry

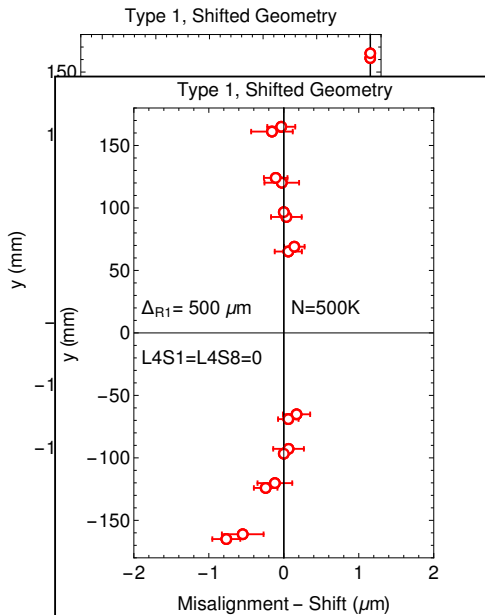
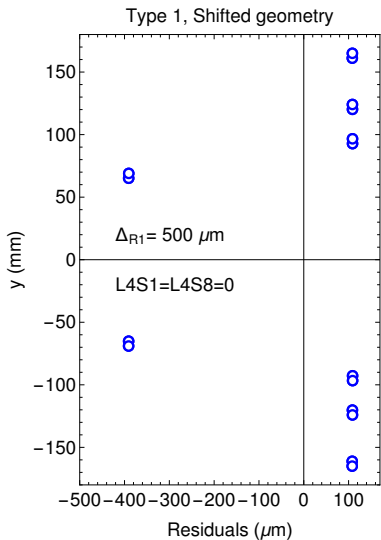


- 1 Goal: Correct mis-alignments of SVT to reach design resolution of $\approx 65 \mu m$.
- 2 Use millepede which does linear least-squares for large numbers of global parameters.
- 3 Requires calculation of track residuals with respect to SVT strips.
- 4 Using Type 1 *gemc* tracks.
- 5 Compare results with residuals from clas12-reconstruction.

CLAS12 SVT Shifted Geometry ($500 \mu\text{m}$)



CLAS12 SVT Shifted Geometry ($500 \mu\text{m}$)



CLAS12 SVT Nominal Geometry with Δz added

