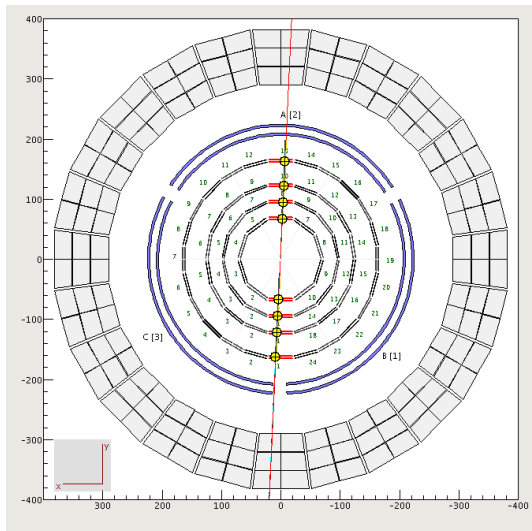


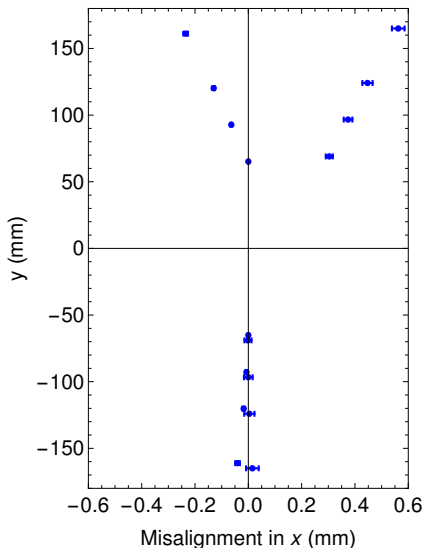
CLAS12 SVT Geometry



- 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 Geometry

Type 1 Tracks, Region 1 fixed



Possible causes:

- Geometry?
- Bugs in derivative calculations?
- Inconsistency with residual calculations?
- Check sign of residual.