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.
Type 1 Tracks, Region 1 fixed

Misalignment in $x$ (mm)

Misalignment in $y$ (mm)
Misalignment in $x$ (mm) vs. $y$ (mm) for Type 1 Tracks, Region 1 fixed.

Misalignment (mm) vs. $y$ (mm) for Type 1 Tracks, Fixed signs.