Sequence of steps for track-based alignment with millepede.

1. gemc -> cosmics recon -> select type 1,2 -> mille input -> pede binary input -> pede misalignments -> event recon

- geometry, track fits, residuals, derivatives

Extend code for all SVT topologies - generalized algorithms.

1. Type 1 and Type 2 comparisons and visualizations validate code.
2. beta version of Mille input code done.
3. Writing pede binary input code now.
4. Requiring 8 crosses for a good track.
5. Added monitoring histograms.
1. *gemc* sample of cosmics with ideal geometry.
2. Contains both Type 1 and Type 2 events.
3. Check centroid residuals of Type 1 sectors.
1. Now focus on all the sectors - start with Layer 1.
2. Statistics is dominated by type 1 events.
3. Drop-off in sectors illuminated with type 2 events expected.
Effect of turning off $\chi^2$ cut - this is a small fraction of the sample.