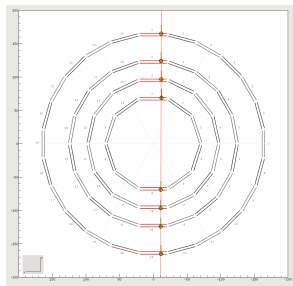
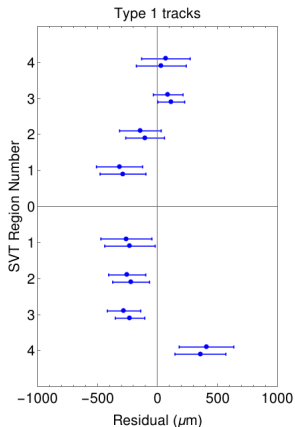


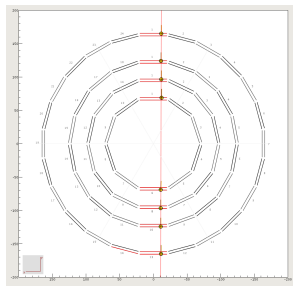
# Check alignment with Type1 cosmic ray tracks



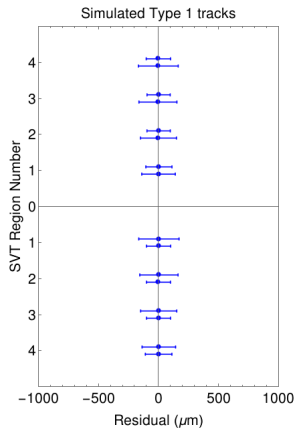
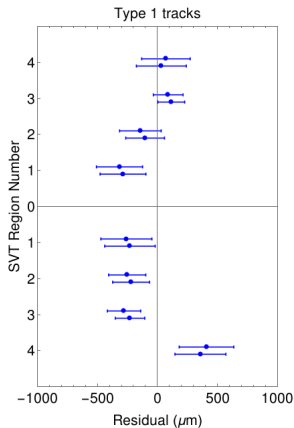
Type 1 tracks.



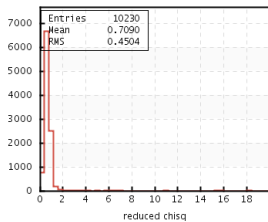
# Check alignment with Type1 cosmic ray tracks



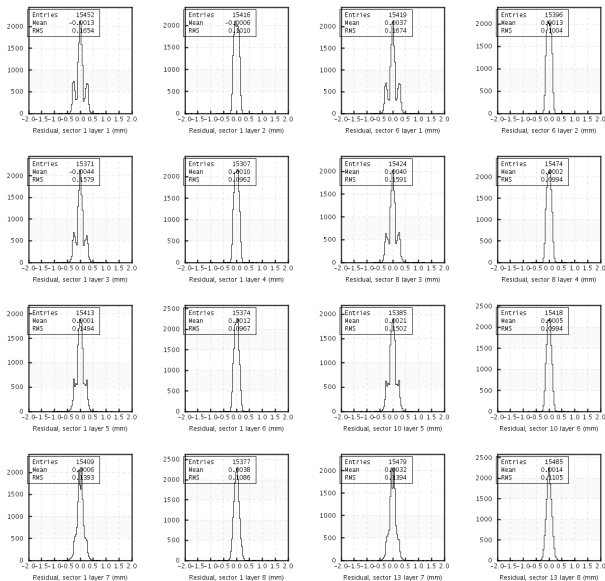
Type 1 tracks.



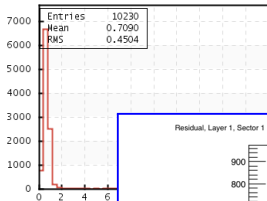
# Residuals for Type 1 simulated cosmic ray tracks



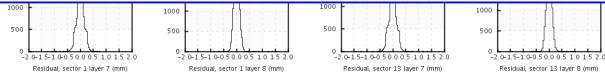
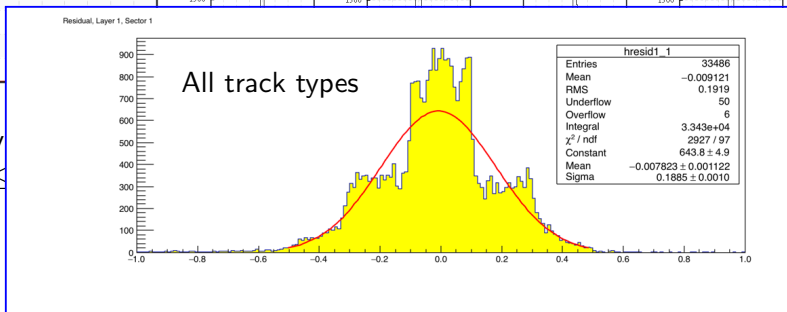
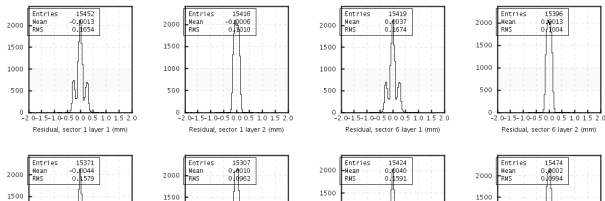
For Type 1 tracks,  
 $\chi^2/\nu \leq 20$



# Residuals for Type 1 simulated cosmic ray tracks

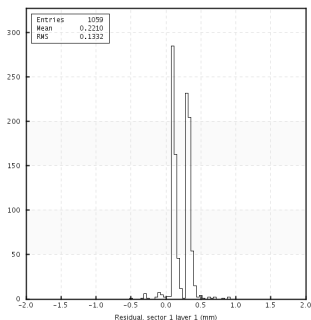
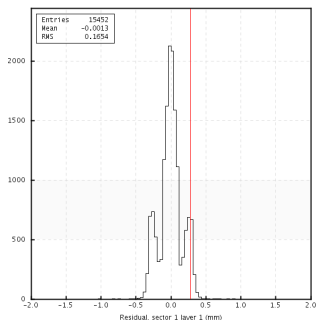


For Type 1  
 $\chi^2/\nu \leq$



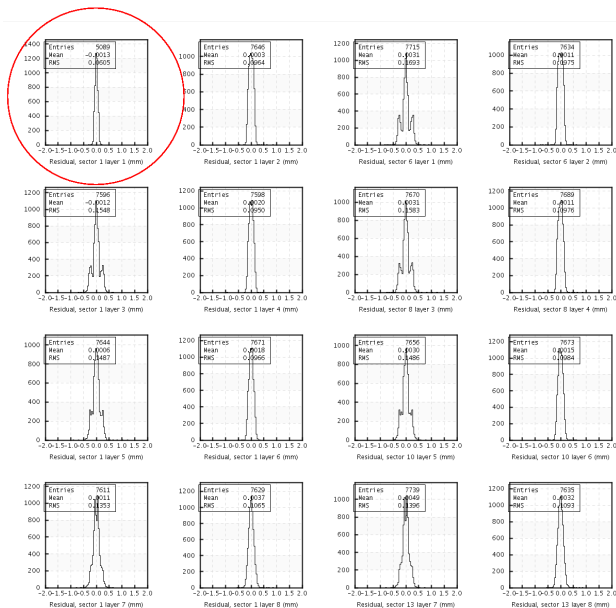
# What causes the 'ears'?

- Computational artifact → only odd layers show ears.
- Two-hit clusters DON'T bracket the trackpoint on the detector face.
- Put a cut on one ear.



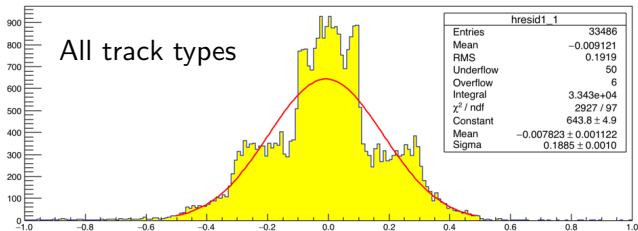
# Can we cut off the 'ears'?

Remove multi-hit clusters from sector 1, layer 1 ONLY.

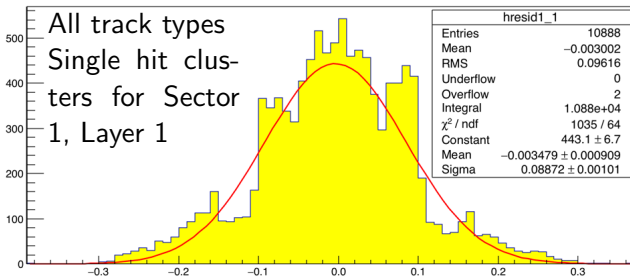


# Can we cut off the 'ears'?

Residual, Layer 1, Sector 1

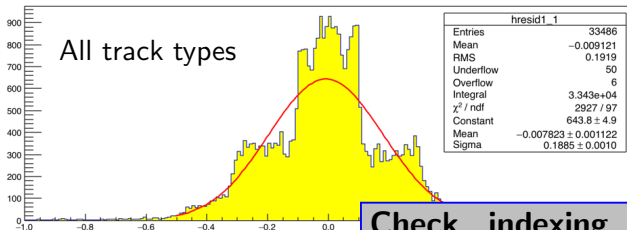


Residual, Layer 1, Sector 1



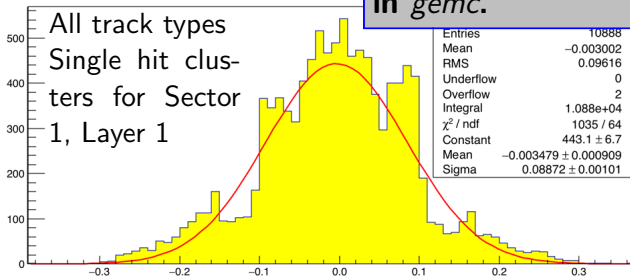
# Can we cut off the 'ears'?

Residual, Layer 1, Sector 1



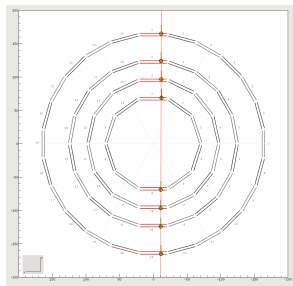
Check indexing for charge sharing between strips in SVT in *gemc*.

Residual, Layer 1, Sector 1

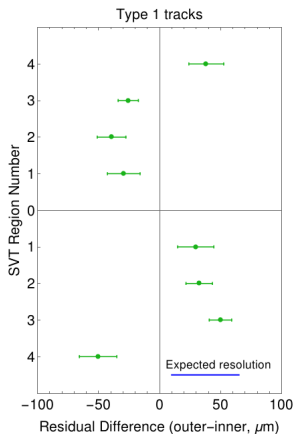




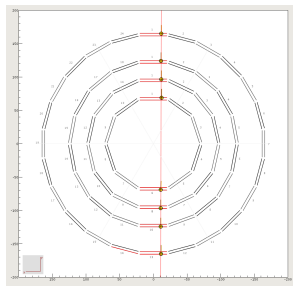
# Check alignment with simulated Type1 cosmic ray tracks



Type 1 tracks.



# Check alignment with simulated Type1 cosmic ray tracks



Type 1 tracks.

