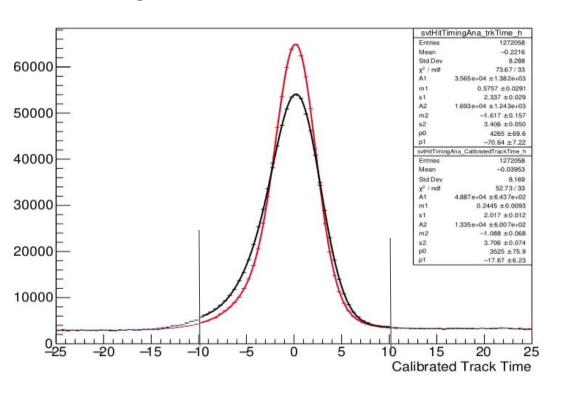
Per-run svt timing for 2021 data

Matt Graham Analysis Meeting May 2, 2023

Intro

- Building on the SVT hit timing calibration shown lots of times...<u>this is probably</u>
 <u>best talk</u>
- I use (svt hit ecal cluster) times to calibrate...this takes out a small time correlation for in-trigger-time tracks (and lets us use real out of time tracks)
- I'm showing here just track times (not cluster subtracted)
- Times shown have calibrations from run 14495 already applied
 - This takes out the large thin- vs thick- sensor offset
 - Somewhat...looks like they moved around a bit during run period

Getting mean and std dev from track times



Side note...previously I showed the per-sensor mean times after calibration that looked crappy...this was a plotting bug. Now it looks ok...but just ok.

To make nice plots I fit track time to double gaussian + constant...but to get means & std dev for per-run plots to follow I just calculate from bins ± 10ns

