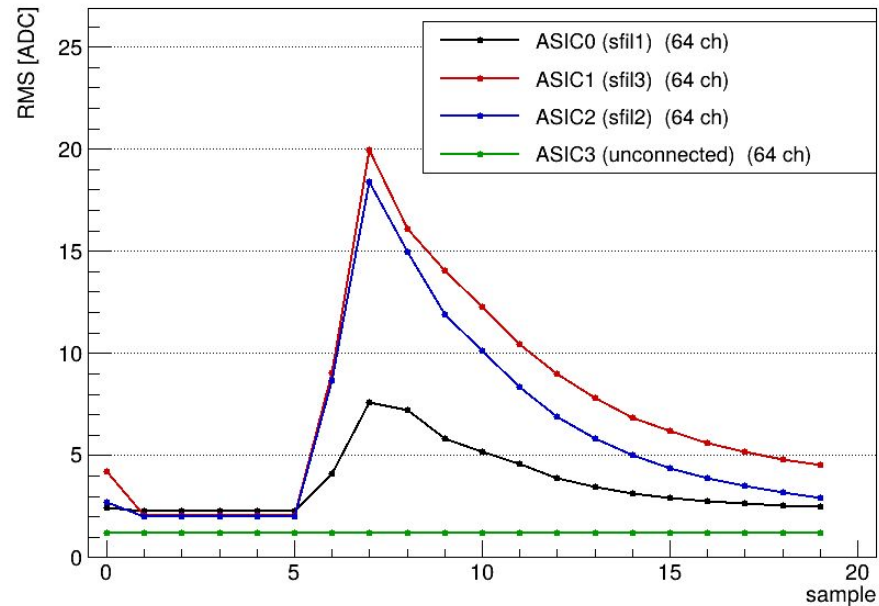
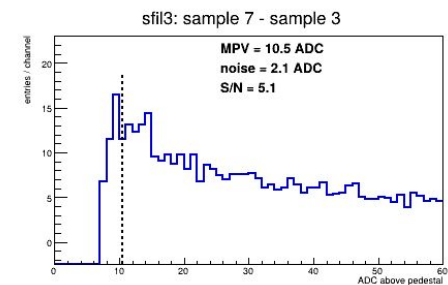
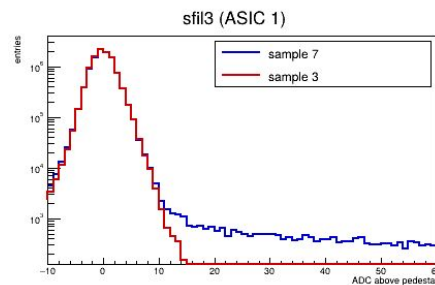
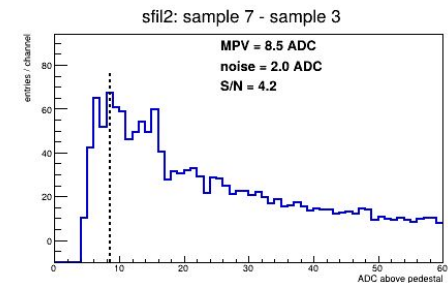
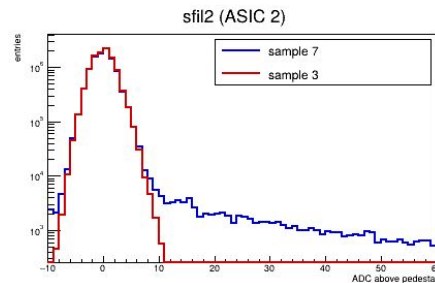
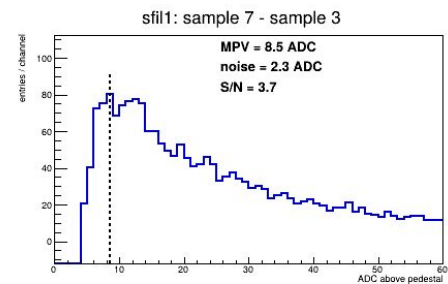
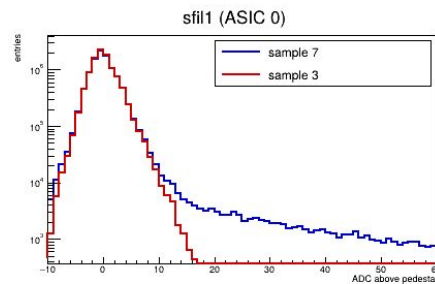
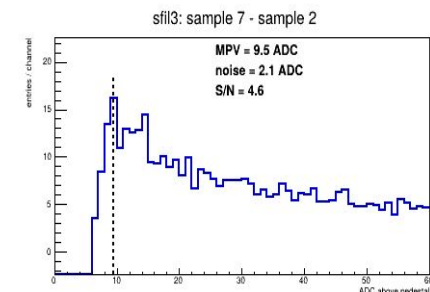
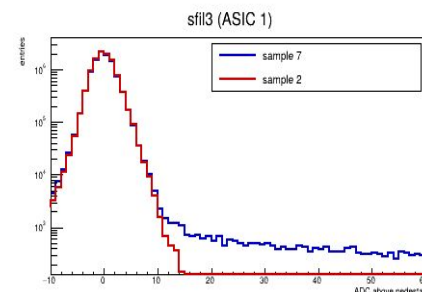
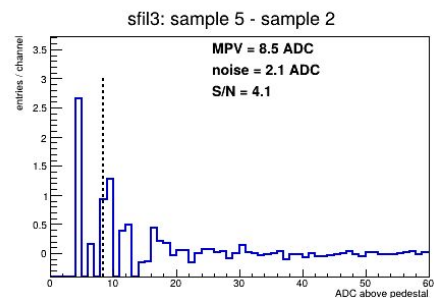
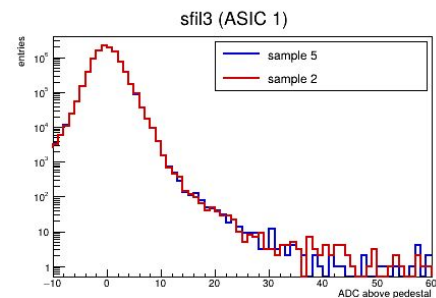
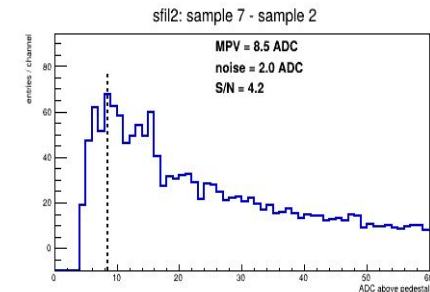
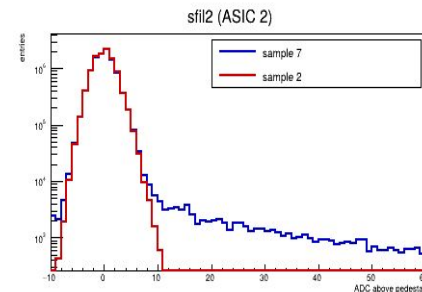
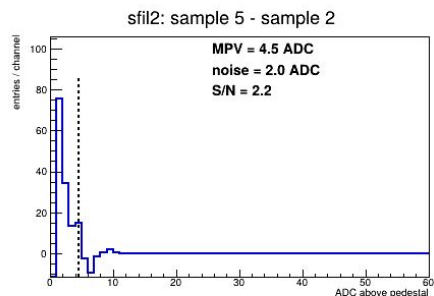
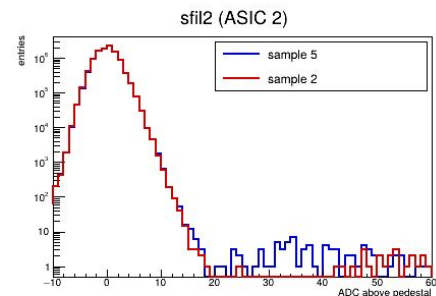
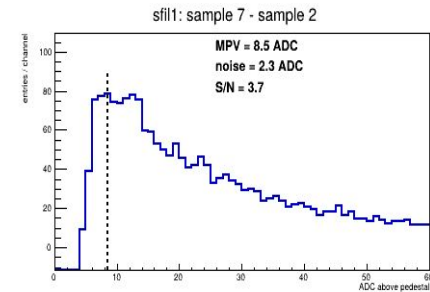
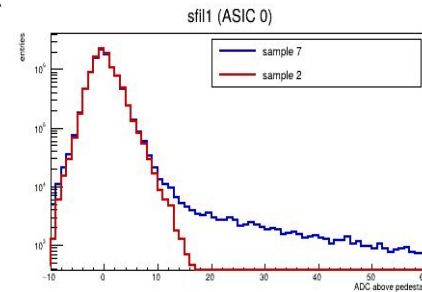
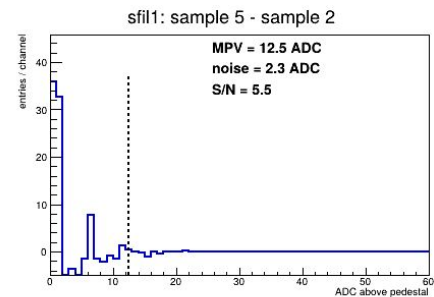
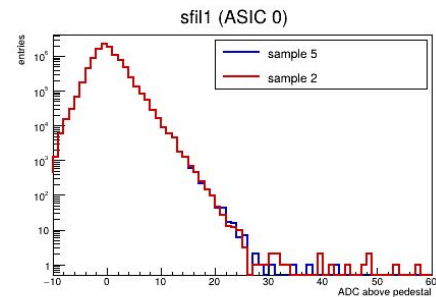


Test Beam Analysis : Sept 01, 2026

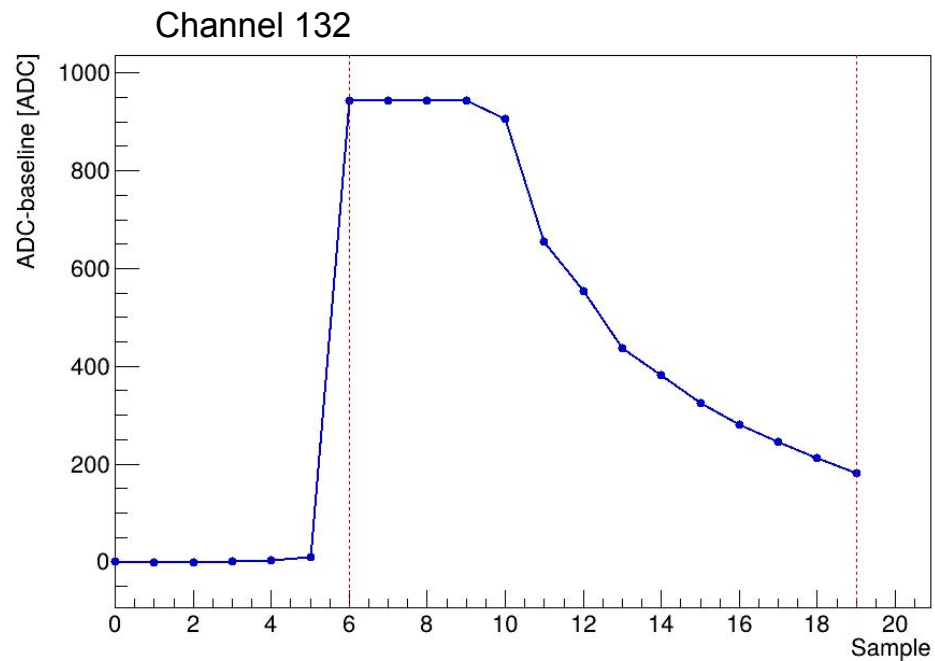


For each sample position, the spread of ADC values across all events, averaged over the 64 channels of each ASIC

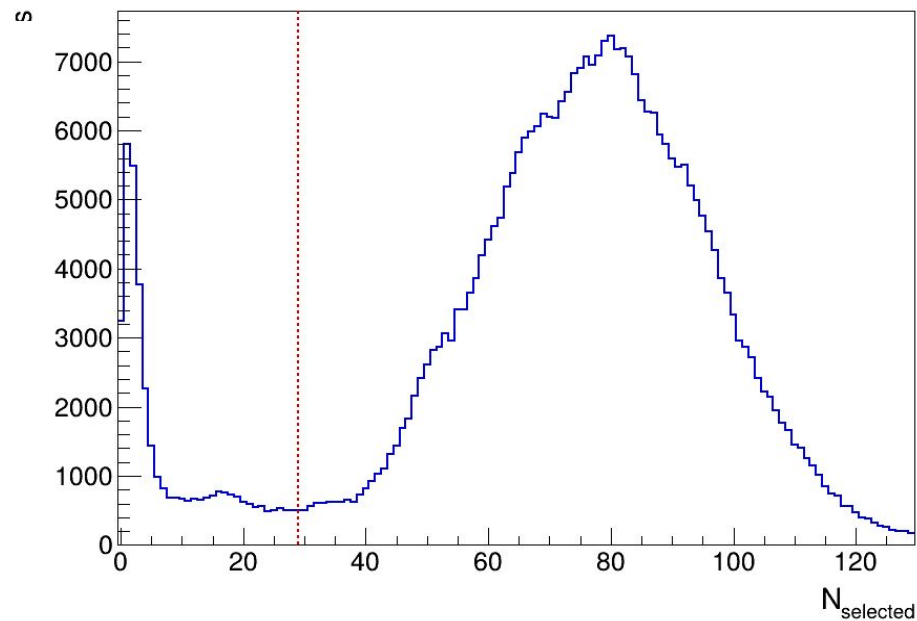




Energy Calibration :

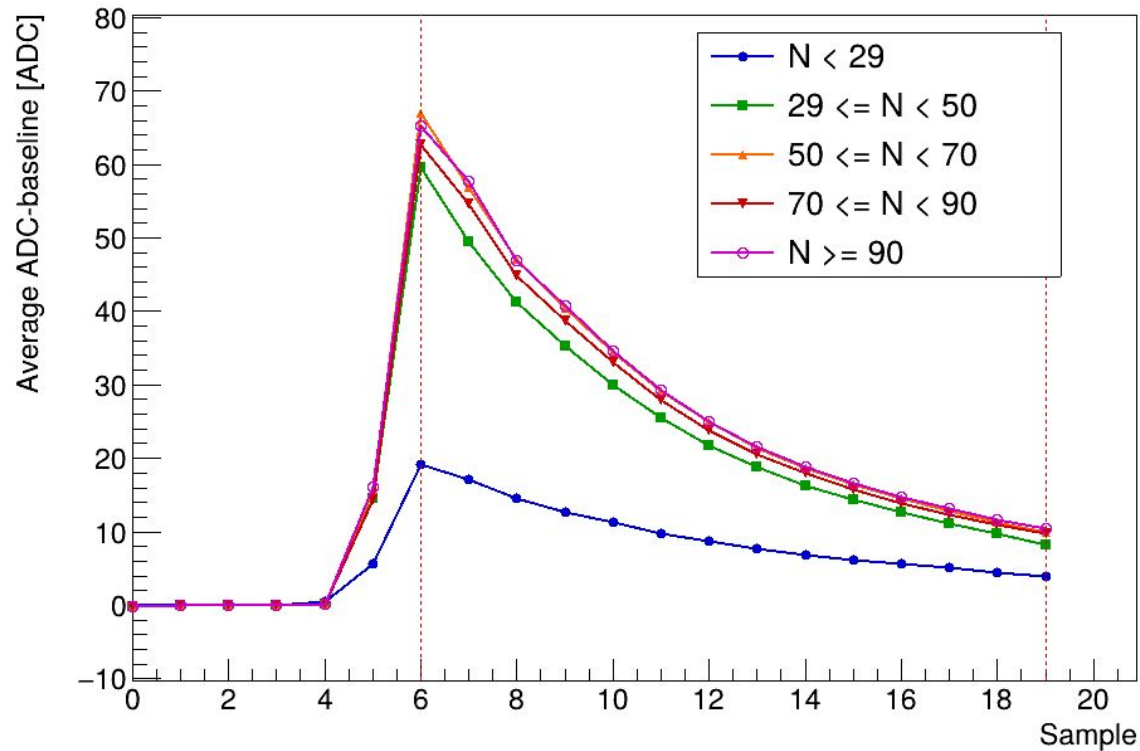


To decide whether a channel has a significant response, the baseline fluctuation is estimated separately for each ASIC from samples 1 to 3



Selected channel : integrated response $> 4 \times$ integrated baseline fluctuation for that ASIC.

Average waveform in different multiplicity ranges



Grouped events by the number of selected channels (N) and then averaged the baseline-subtracted waveform over all connected channels, (independent of threshold).

Next Step:

- Use Mapping to understand the high multiplicity population follows the shower geometry
- Event matching with Trigger to confirm the measured response represents the deposited energy.
- Once we get a reliable measured response, it can be used for channel by channel Energy calibration.