

# Glasgow Report

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## Trigger and Detector Positions



Distances From downstream edge of MWPC

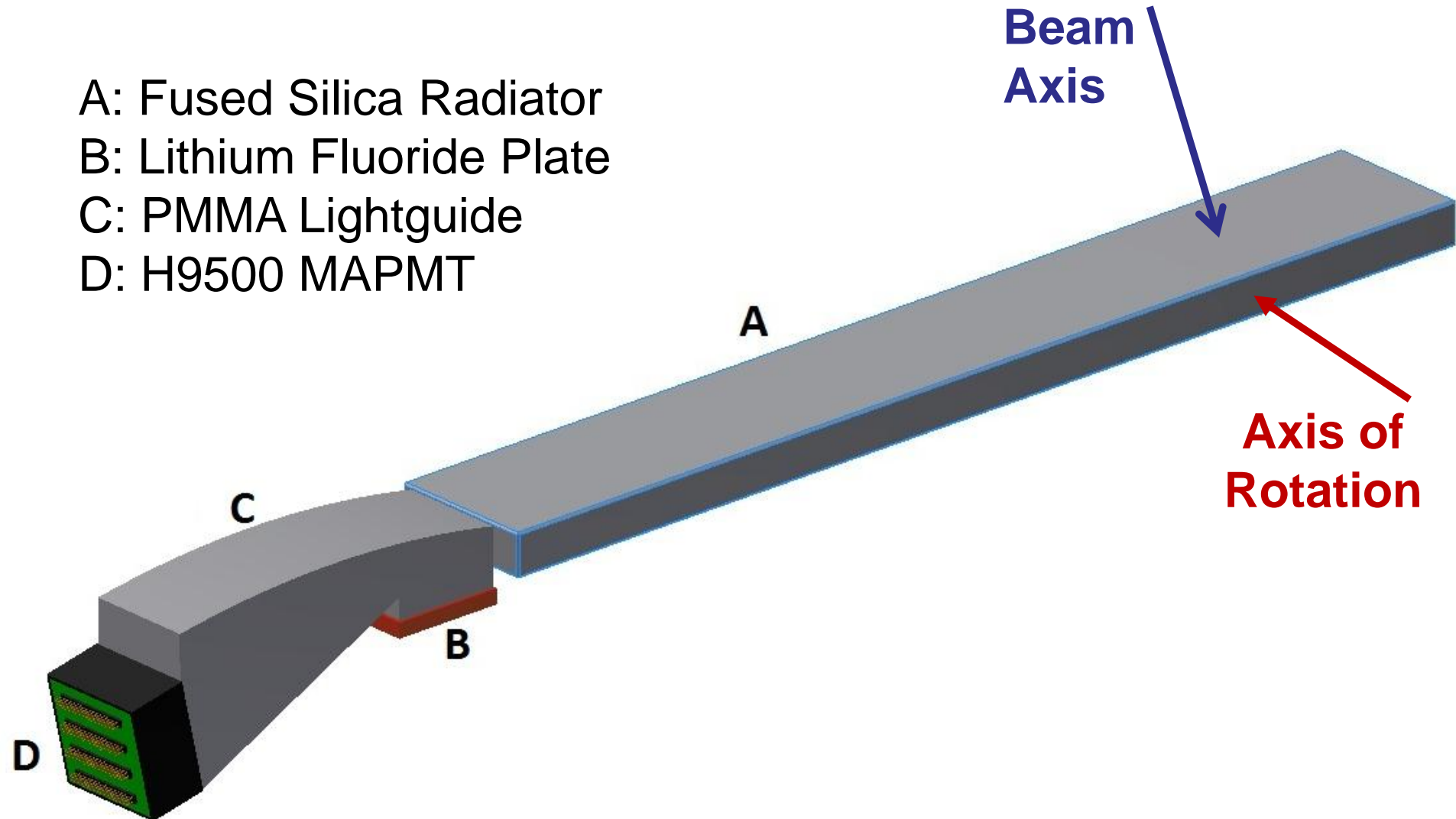


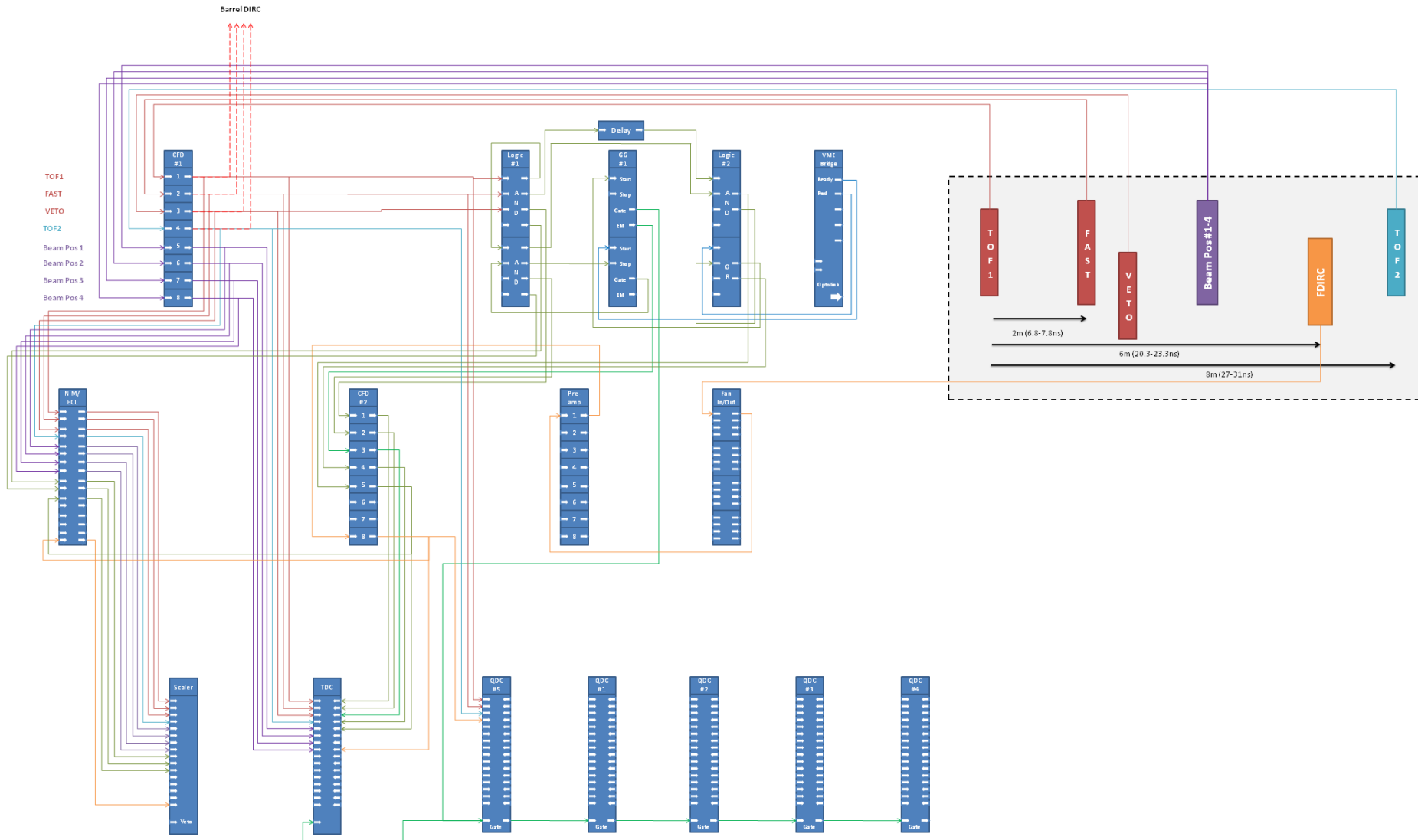
# Prototype Layout

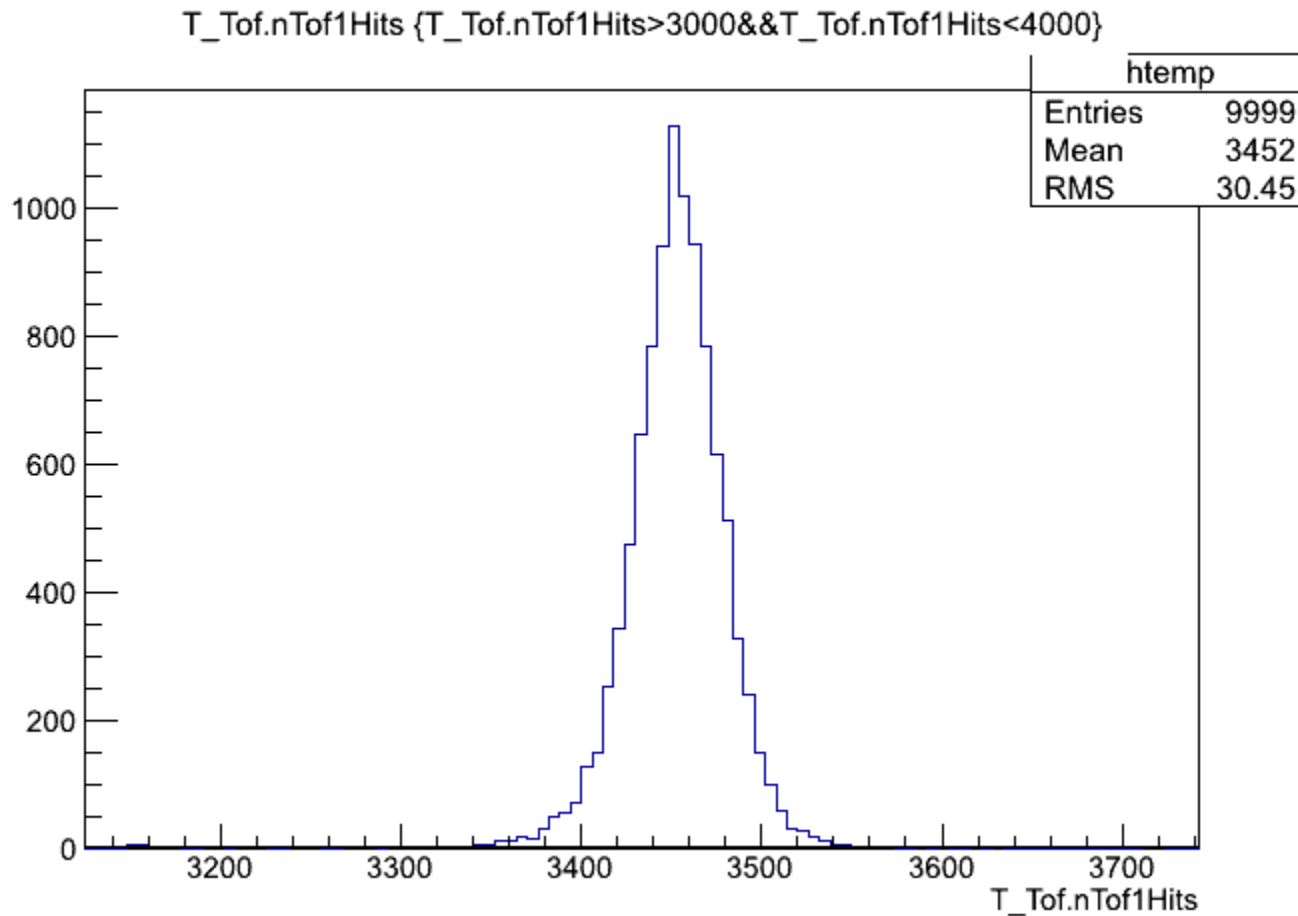
- A: Fused Silica Radiator
- B: Lithium Fluoride Plate
- C: PMMA Lightguide
- D: H9500 MAPMT

Beam  
Axis

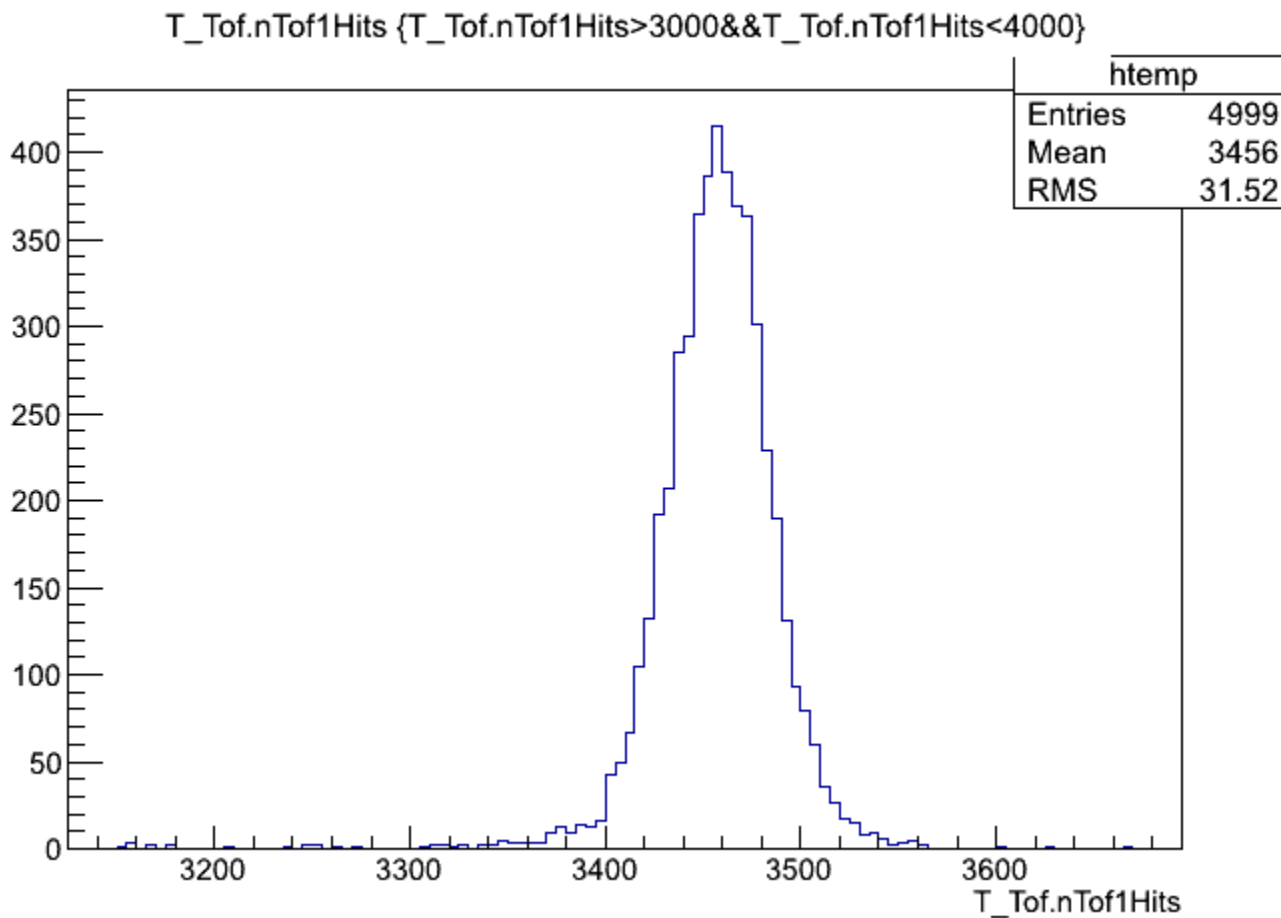
Axis of  
Rotation



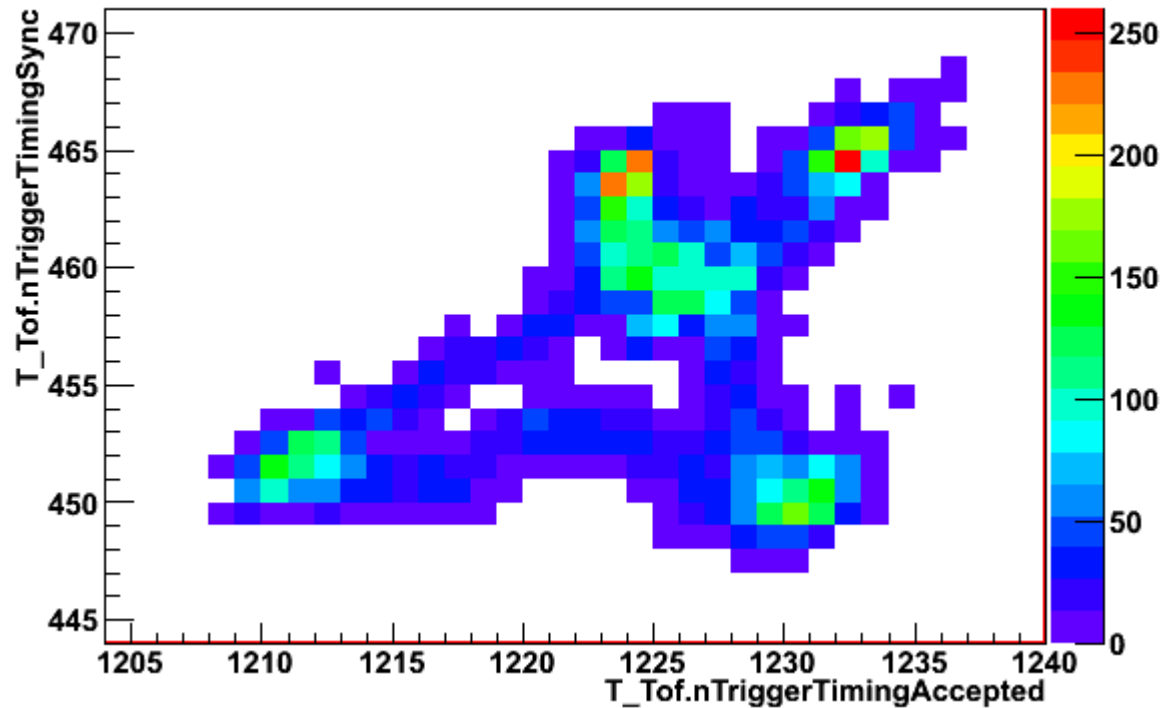




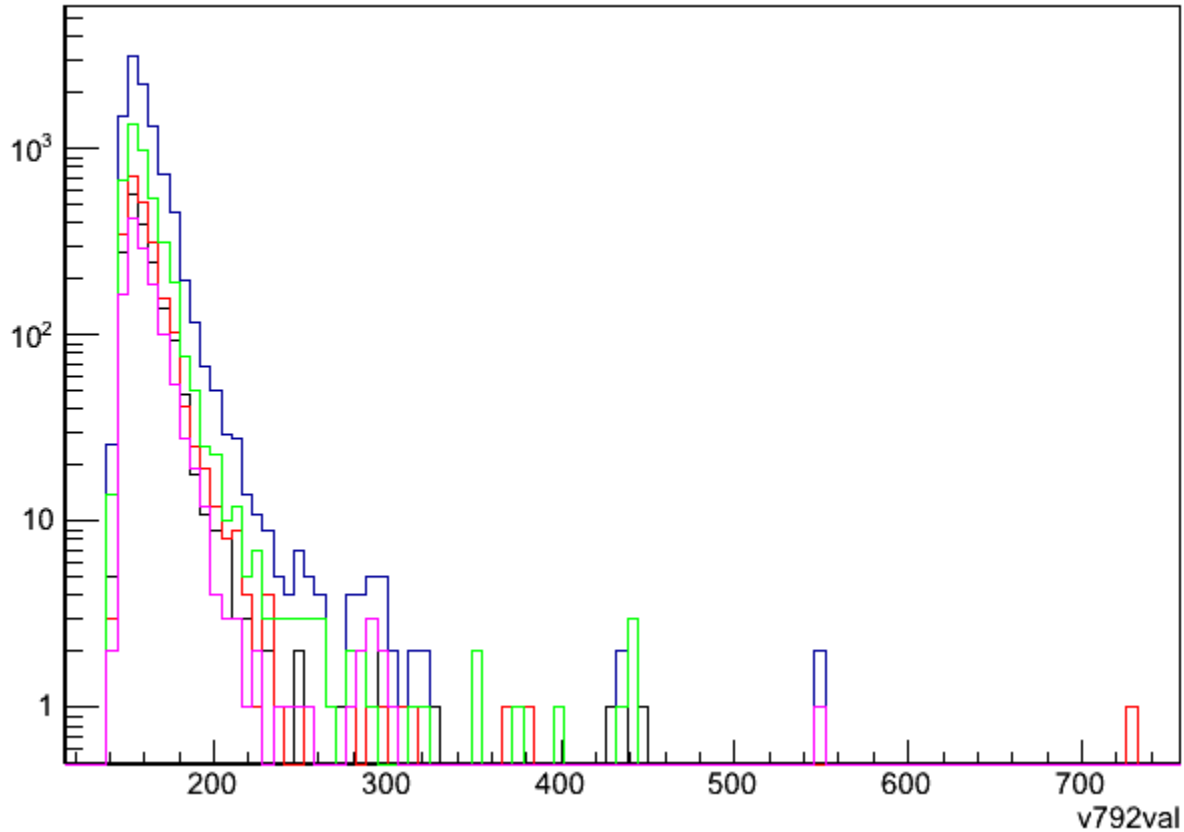
The ToF spectrum at for a run at 10GeV



The ToF spectrum at for a run at 4GeV

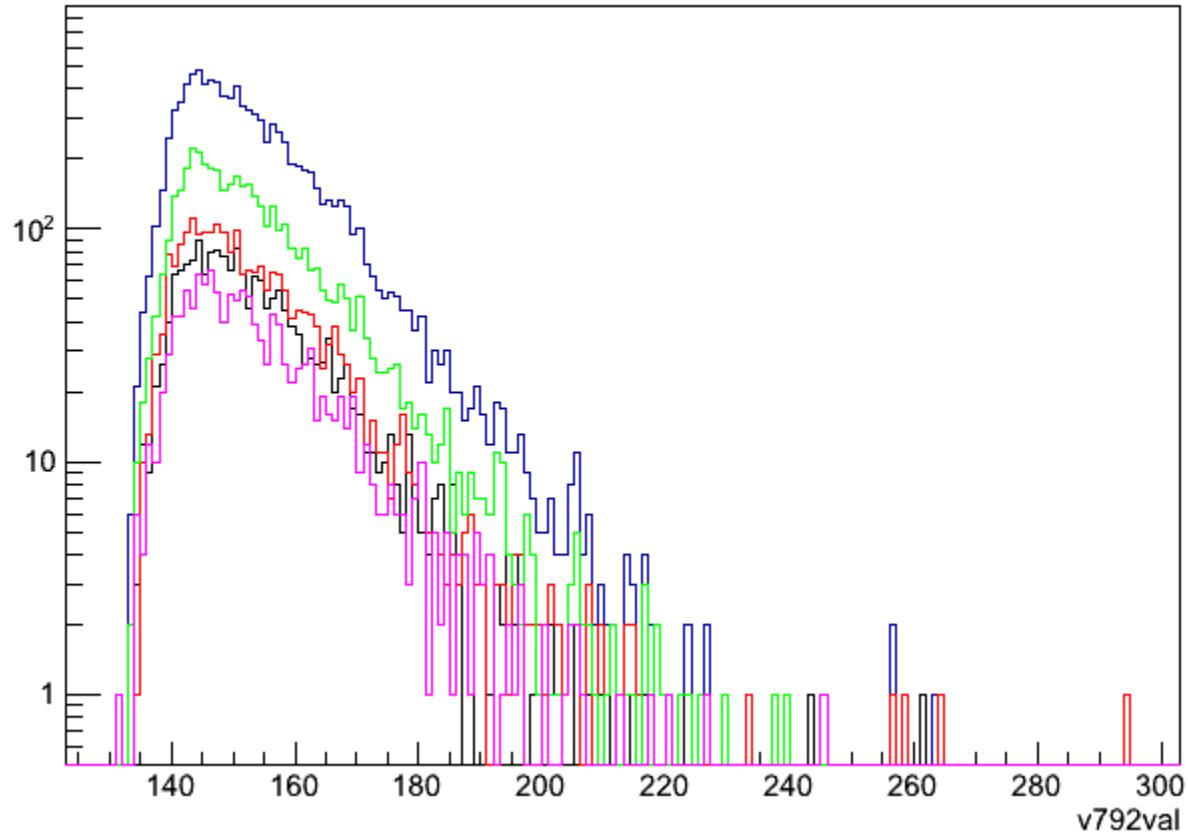


The timing of the output of our synced trigger and our accepted trigger. Note 4 peaks.



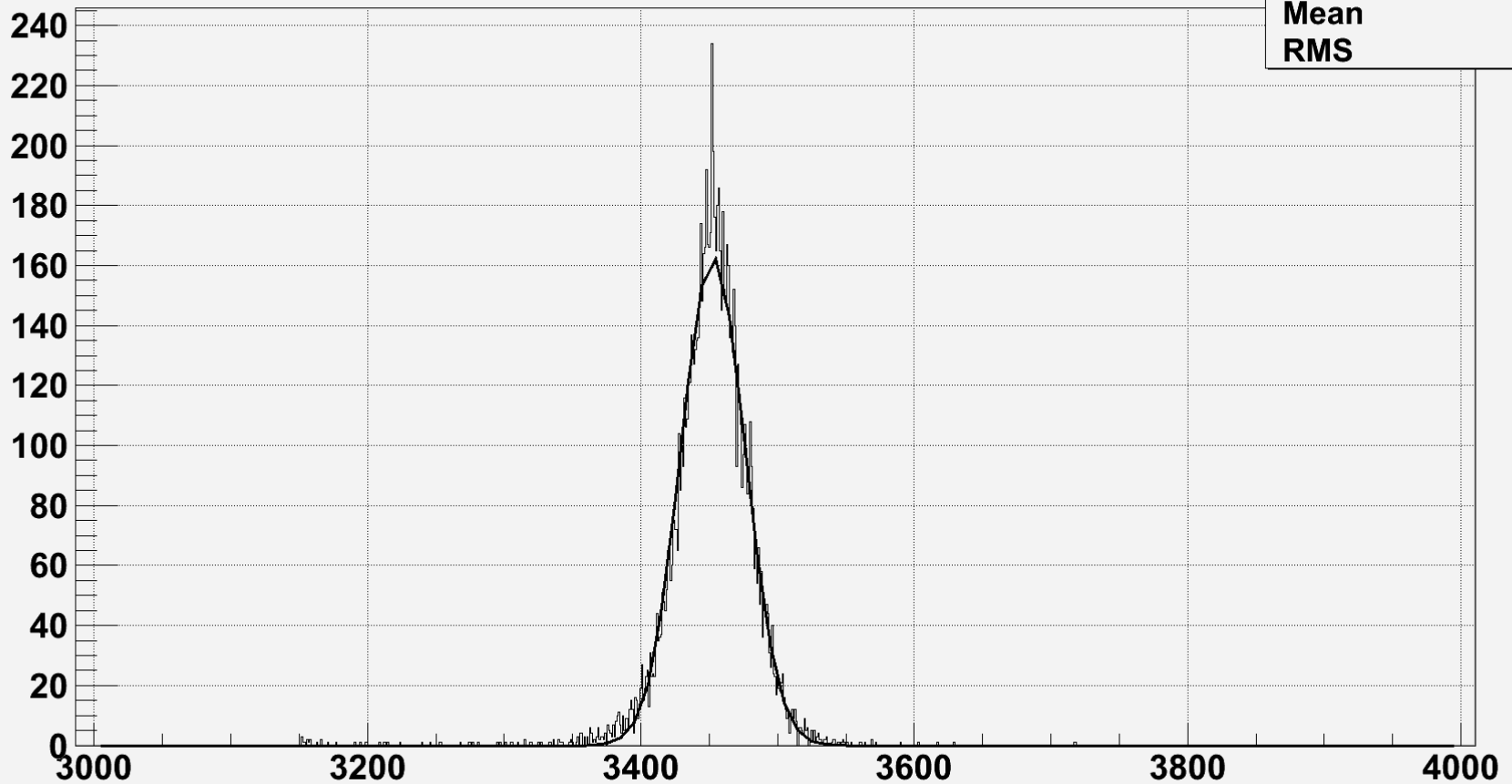
A QDC spectrum example with previous 4 peaks overlay.





A(nother) QDC spectrum example with previous 4 peaks overlay.

h\_ToF1

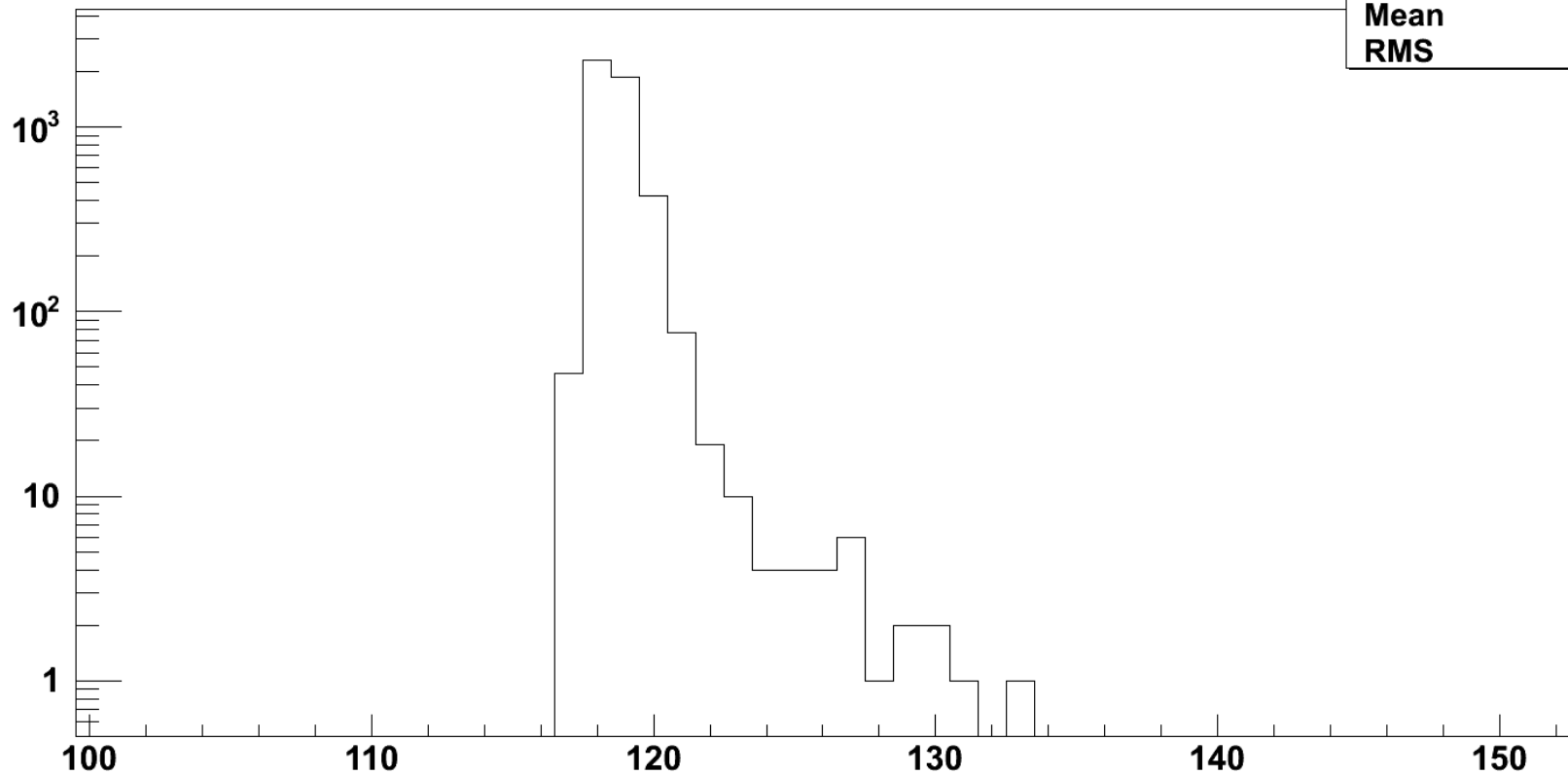


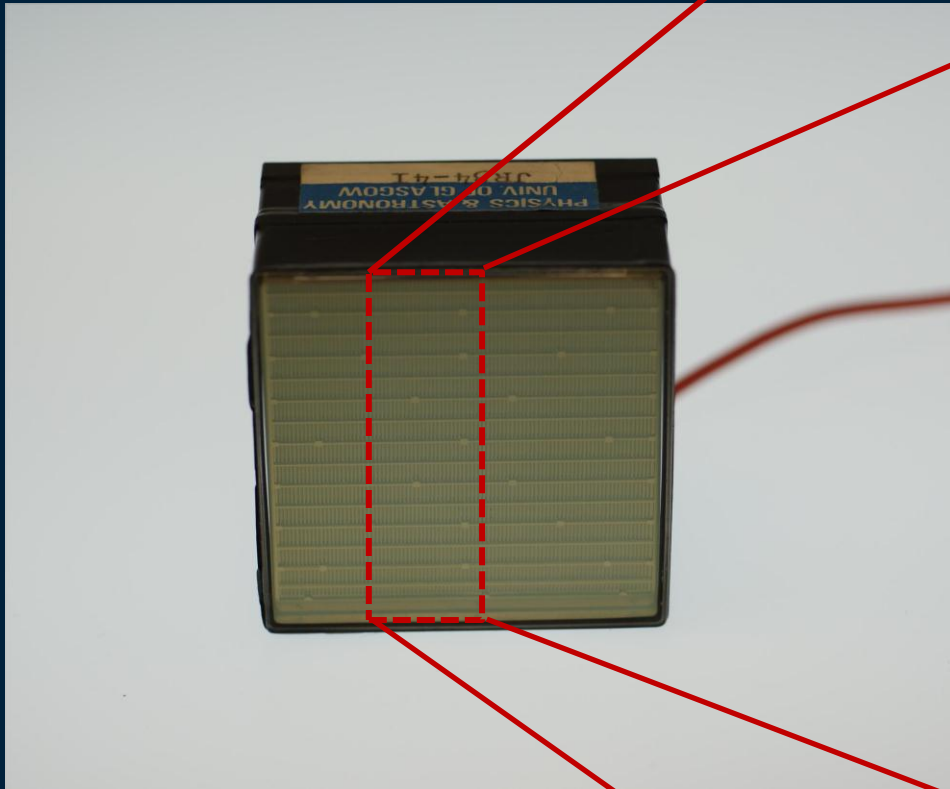
h_ToF1	
Entries	10306
Mean	3452
RMS	30.45

Automated ToF fitting example

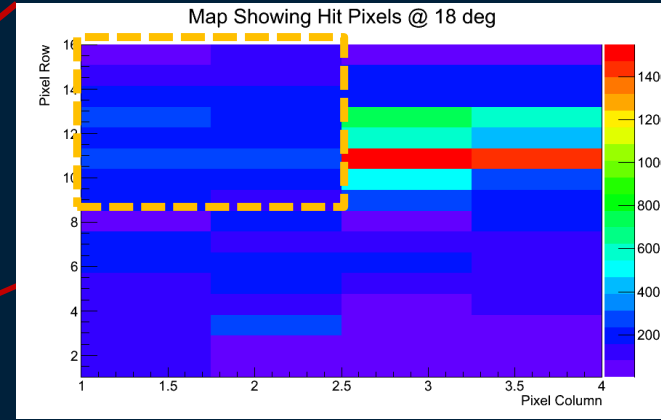
h\_SpectrumAfterSubtraction56

h_SpectrumAfterSubtraction56	
Entries	4096
Mean	118.7
RMS	1

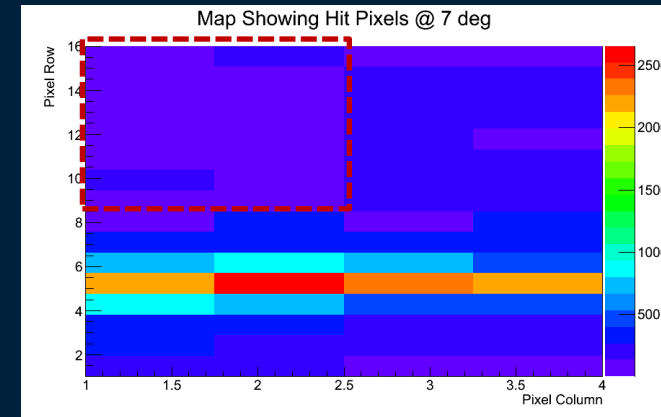




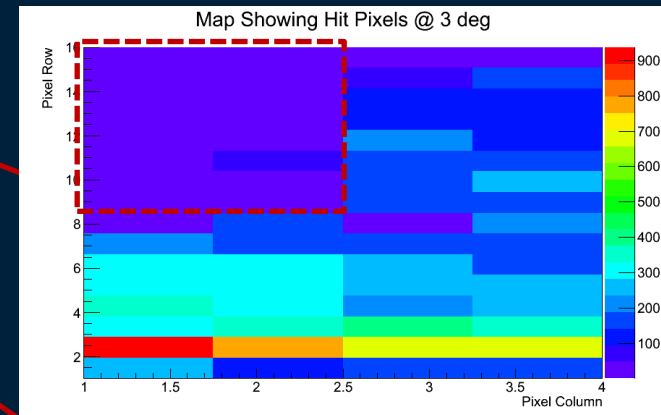
One 4 x 16 pixel section read out



18°

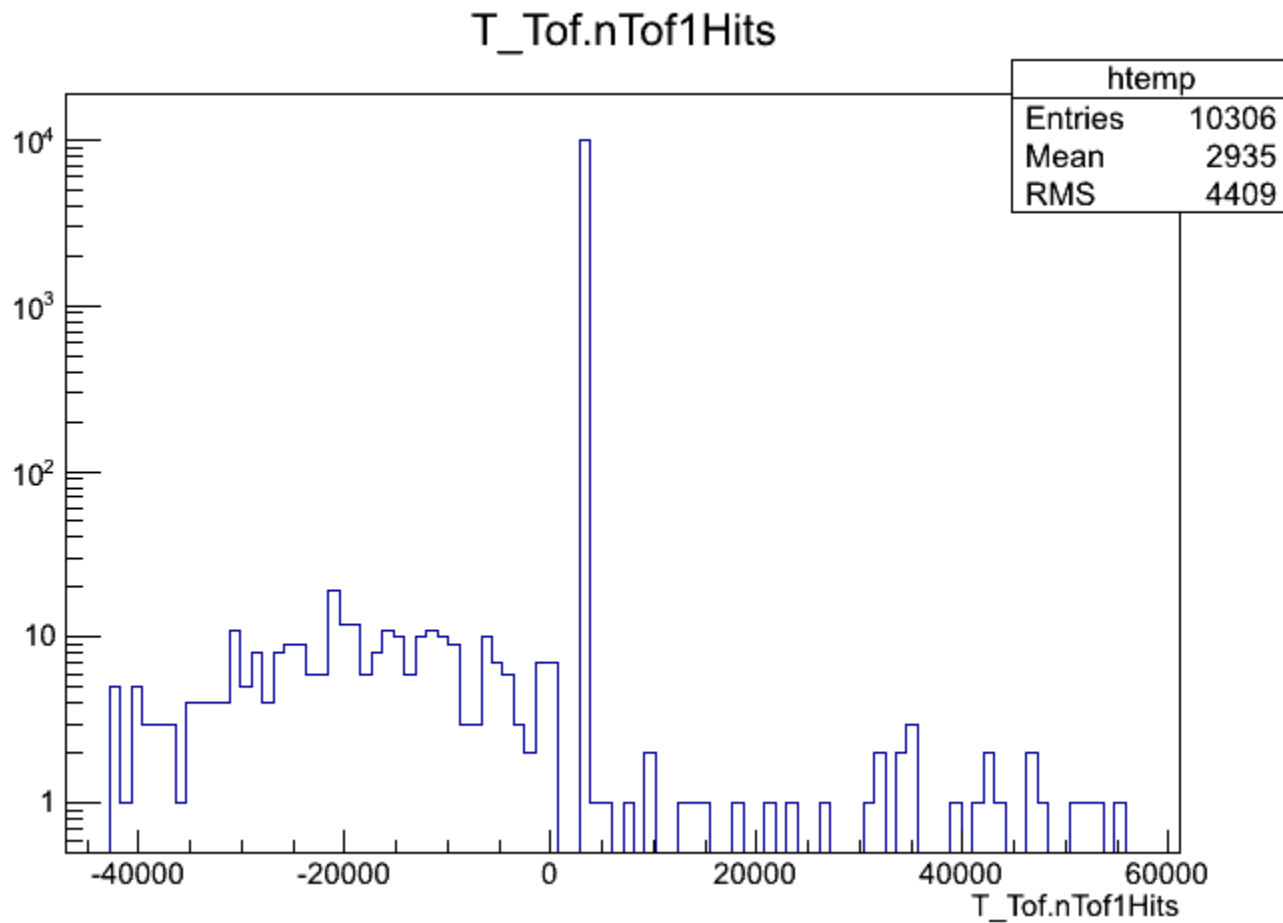


7°



3°

- Finalise “Heat Map” diagrams
- Finalise results from Chromatic Dispersion measurements
- Combine with simulations of both set-ups



T\_Tof.nTof1Hits {T\_Tof.nRawTrigger>0}

