

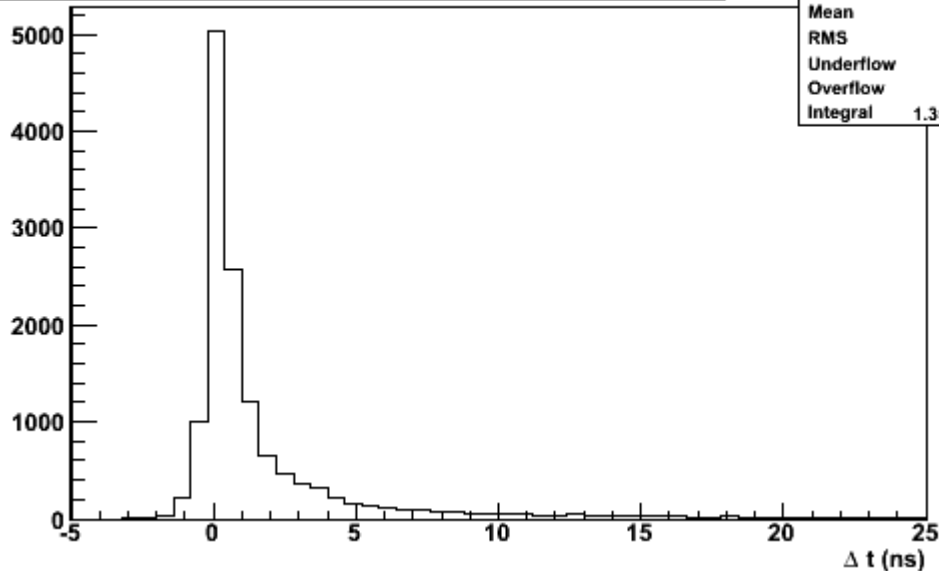
Dark hits in mcsmear

- Last time it looked like mcsmear produced too few dark hits
- Two bugs
 - mcsmear not writing out dark hits for outer layer
 - Extra threshold applied to dark hits
- With both bugs fixed
 - ~20% of outer layer above threshold
 - Need to adjust thresholds

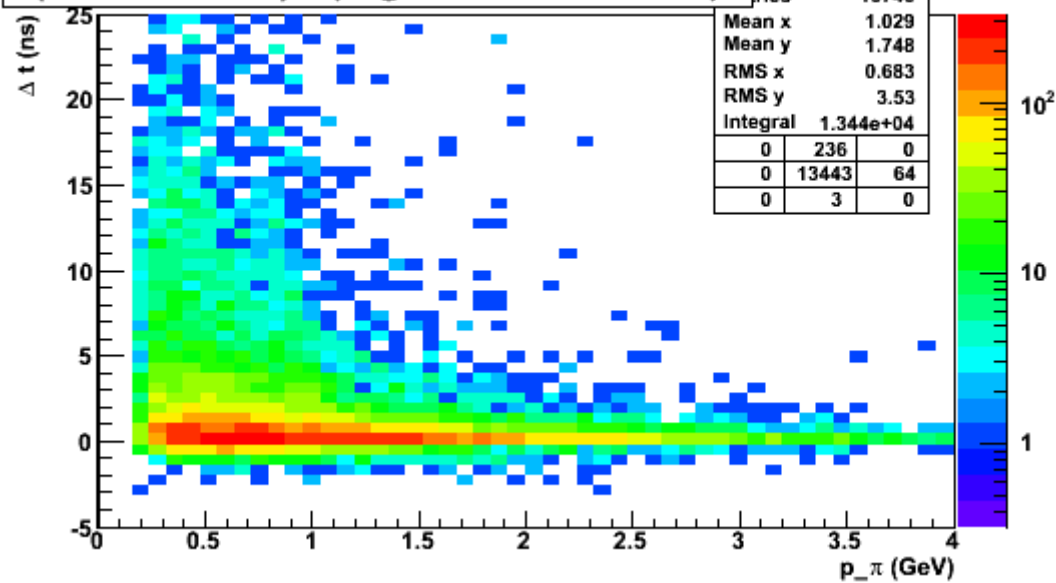
Timing

- Match reconstructed π^+ track with cluster
- (shower time) – (flight time to POCA of **reconstructed track**)
- Using more stringent than default matching criteria to prevent false matches

(shower time) - (flight time to POCA)



(shower time) - (flight time to POCA)



Timing

- Could timewalk corrections cause this asymmetric long tail?
 - But it doesn't appear when looking at photons

