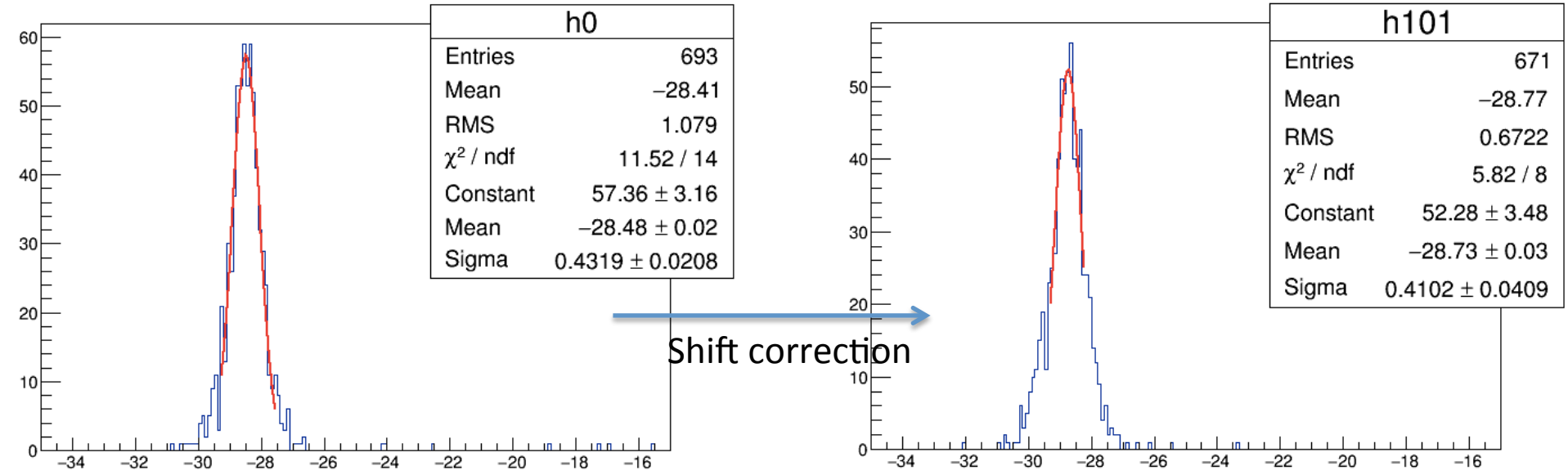
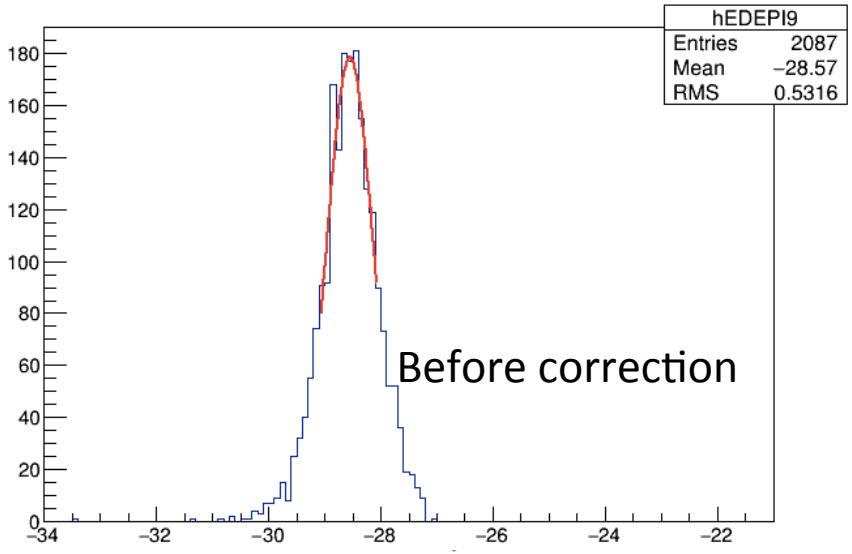
Report 170315

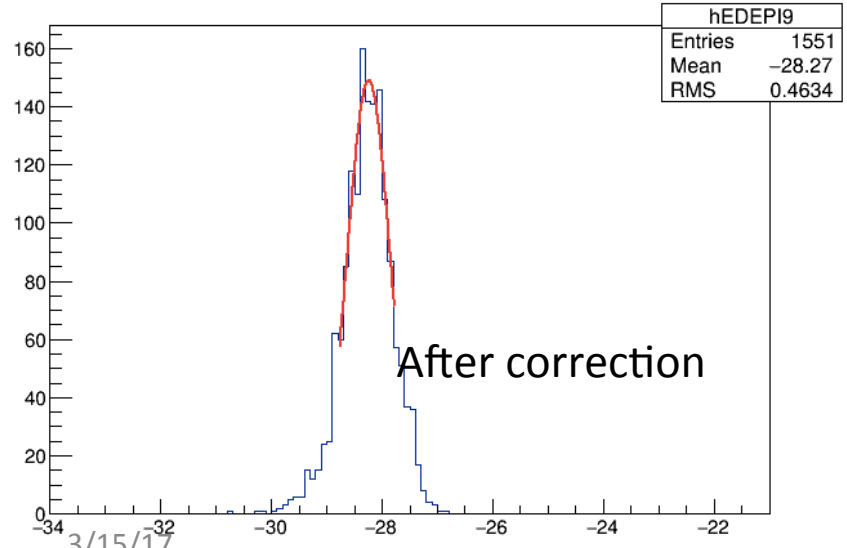
Correction

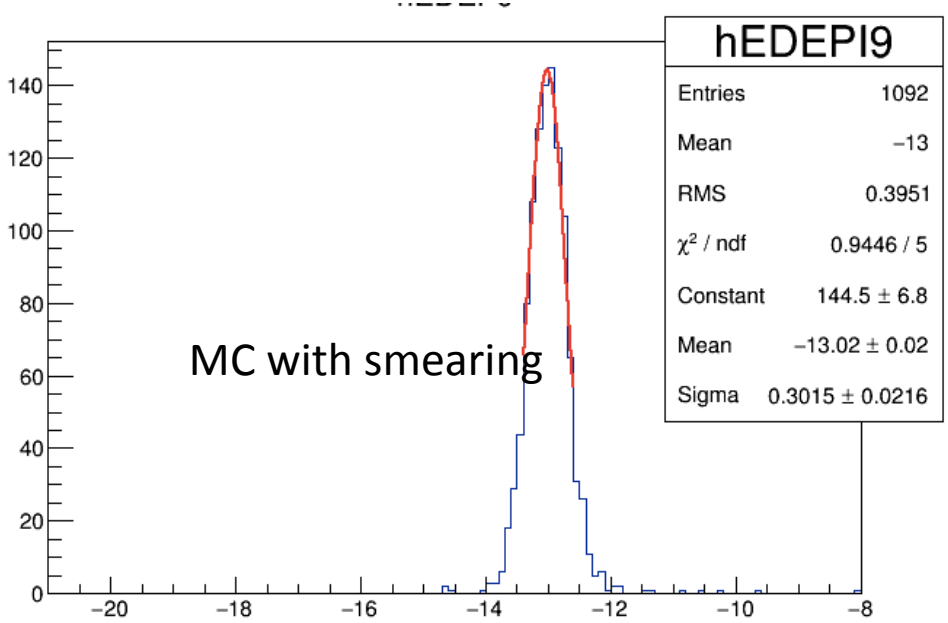
- Run by Run correction
  - Modules integrated



Comparison between MC and Run69

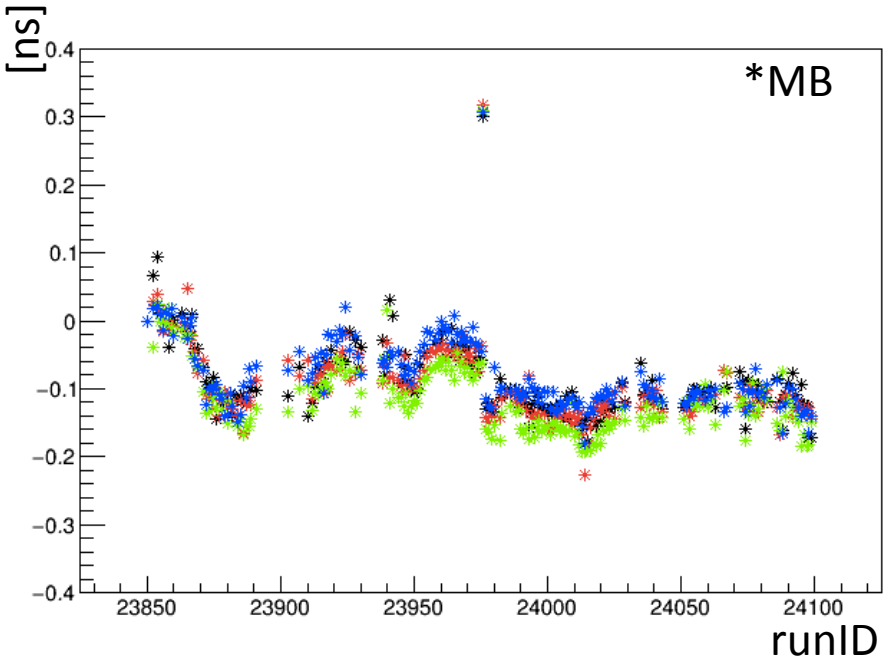


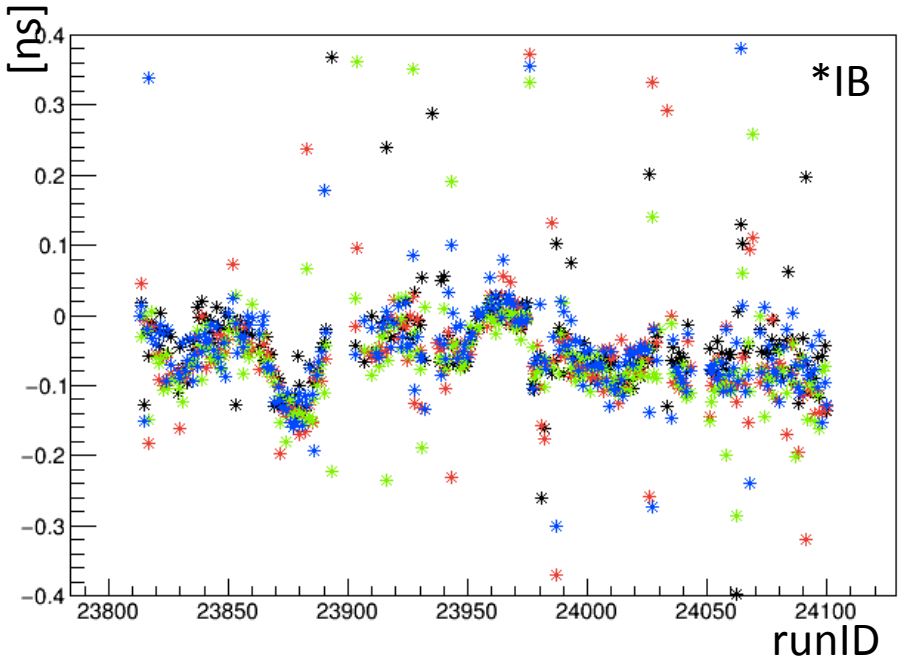




Possible candidates

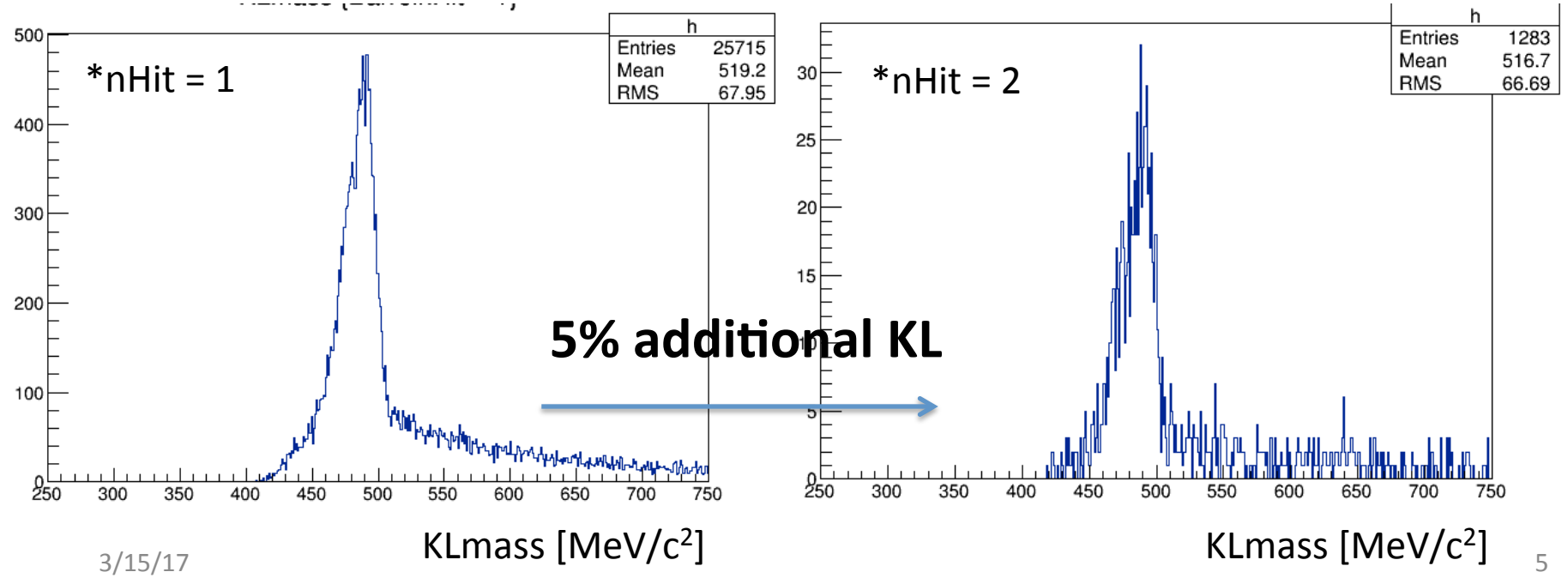
- Instability of 500MHz FADC?
  - Run by run, spill by spill
  - Hard to correct due to insufficient statistics





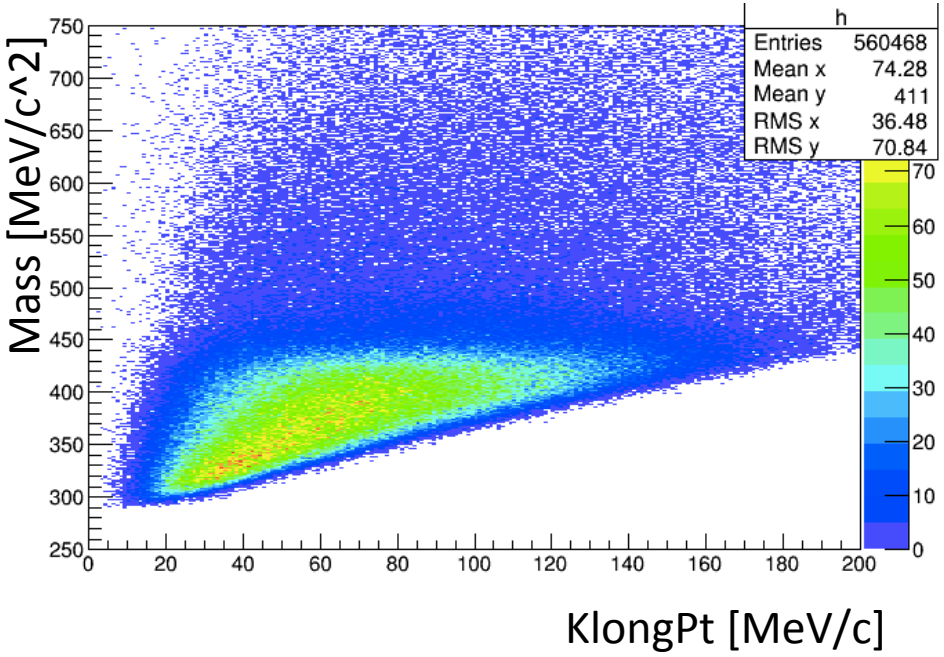
Including neighborhood hits

- Merging 2 neighborhood hit into one hit
  - Energy-weighted mean position and time from 2 hits
  - Mass plots before applying kinematical cut

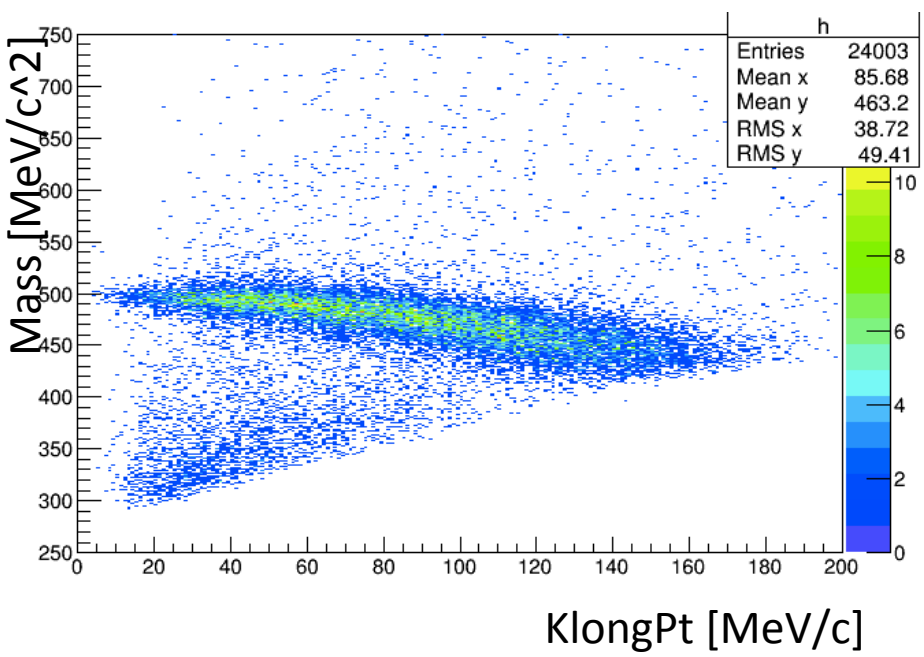


e14pipig

All data (Run62+Run64+Run65, Norm)



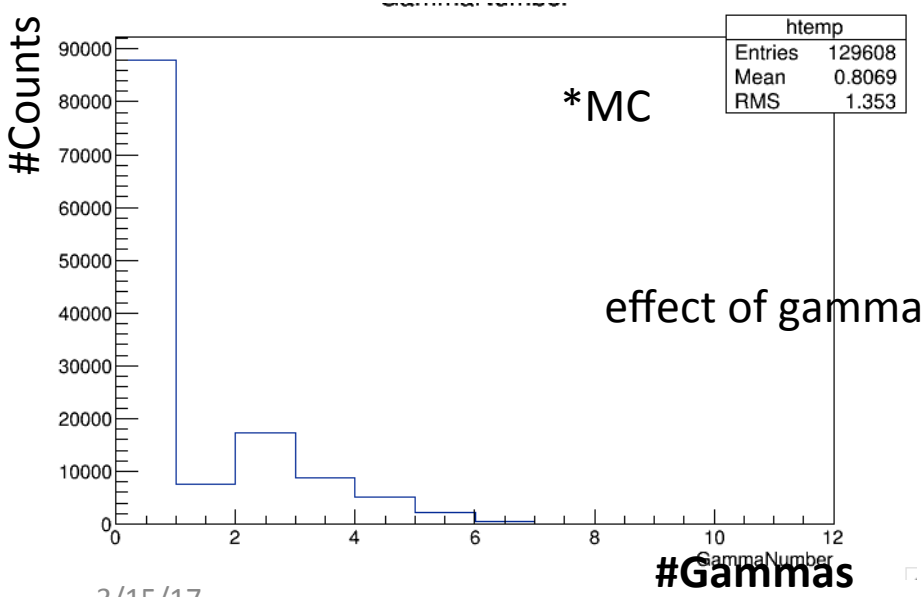
pipig MC

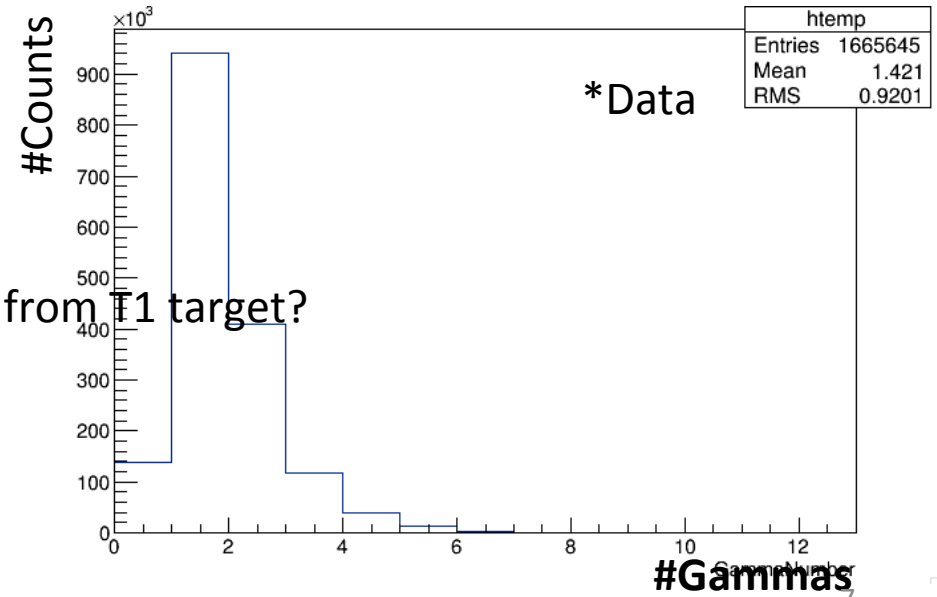


- 460MeV/c^2 -> 500MeV/c^2
- Additional Kinematical Cut

Al Target Run analysis

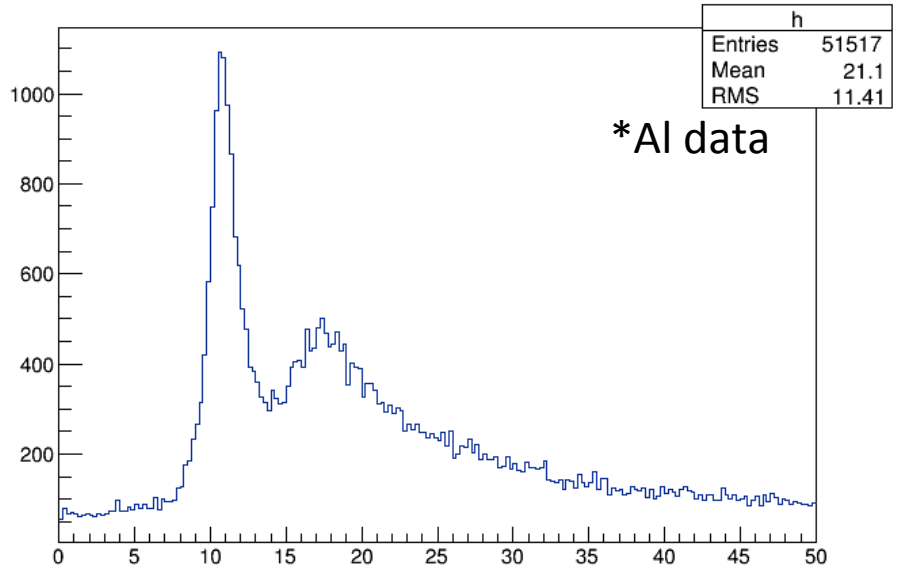
- MC Generation is done
  - #KLs = 1M
  - Target : 5mm thickness, 100mm diameter
  - Hadron process model : *QGSP_BERT*

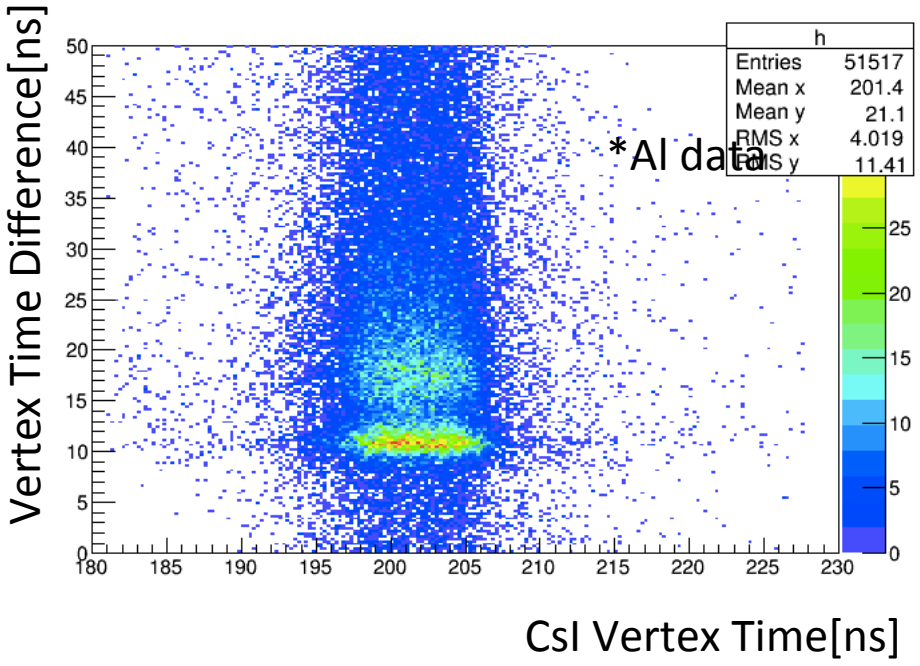




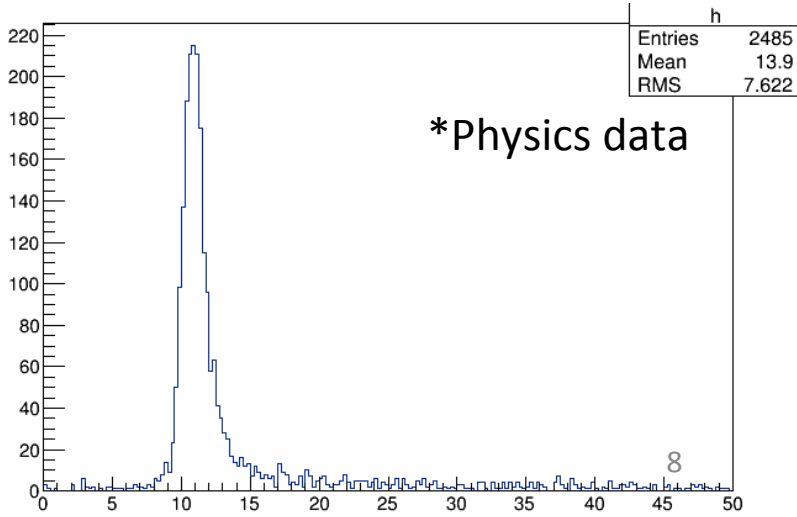
effect of gamma from T1 target?

CBAR signal

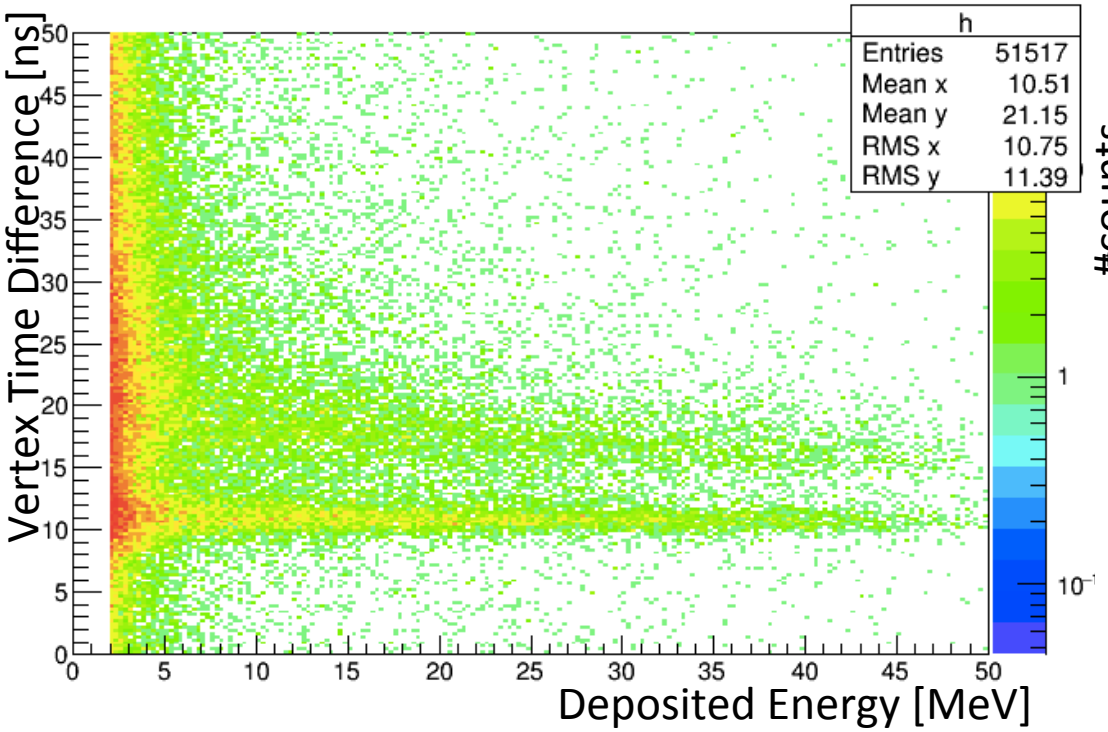


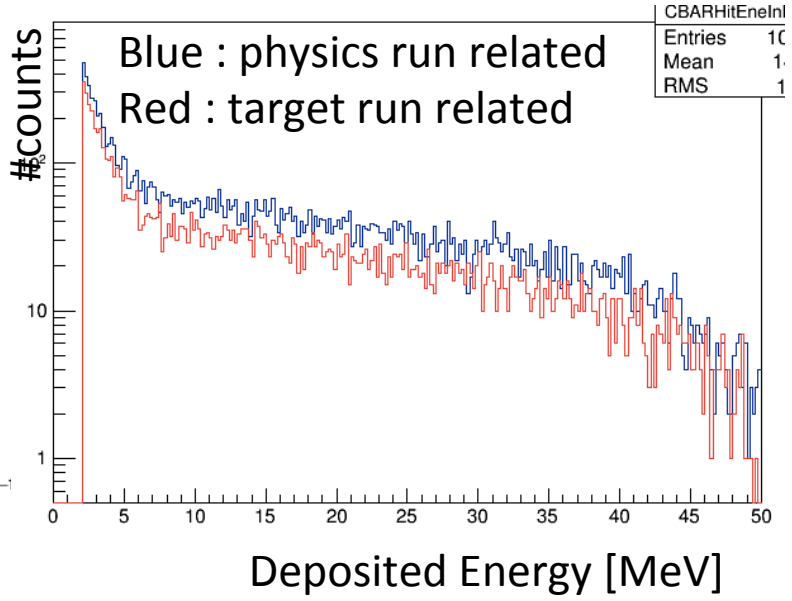


- Cut conditions
  - First pi0 mass : +/- 5MeV/c2
  - Gamma Number == 3 (on CsI)
  - Barrel Hit == 1



Vertex Time Difference vs Deposited energy





- Similar energy distribution