

Report_170906

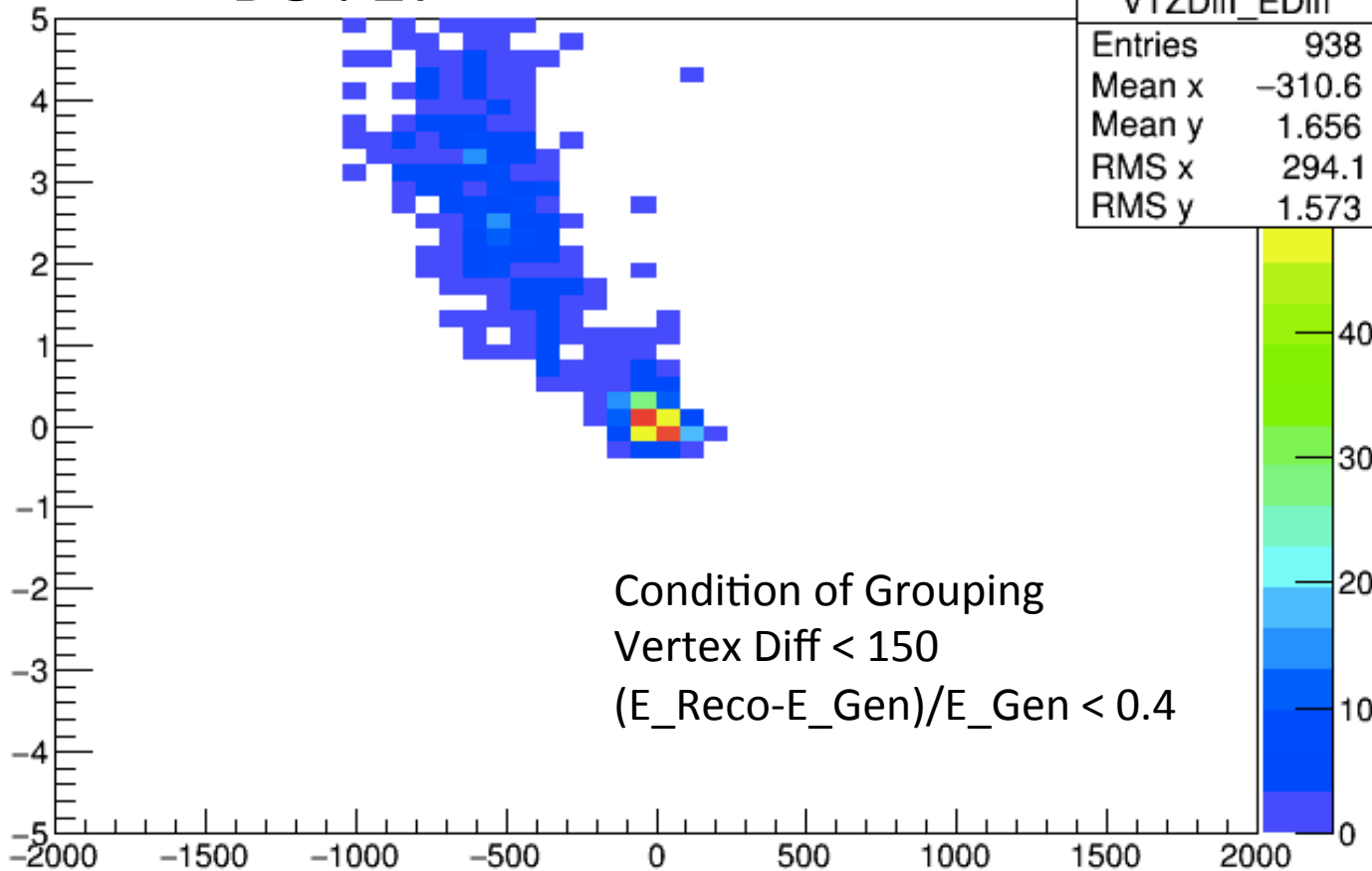
Background with 1e10

- Total event : 380823
- Total BG : 712
 - Csl : 395
 - FB : 217
 - Beam Pipe region : 31
 - BHPV region : 65
 - Fusion(of 2gammas) : 2
 - Dalitz Decay : 2

Low Sampling Fraction Event

- Total event : 965

– BG : 27 VTZDiff_EDiff



Event set 1.

Good Vertex Reco &
Good Energy Reco
335

Event set 2.

Good Vertex Reco &
Bad Energy Reco
41

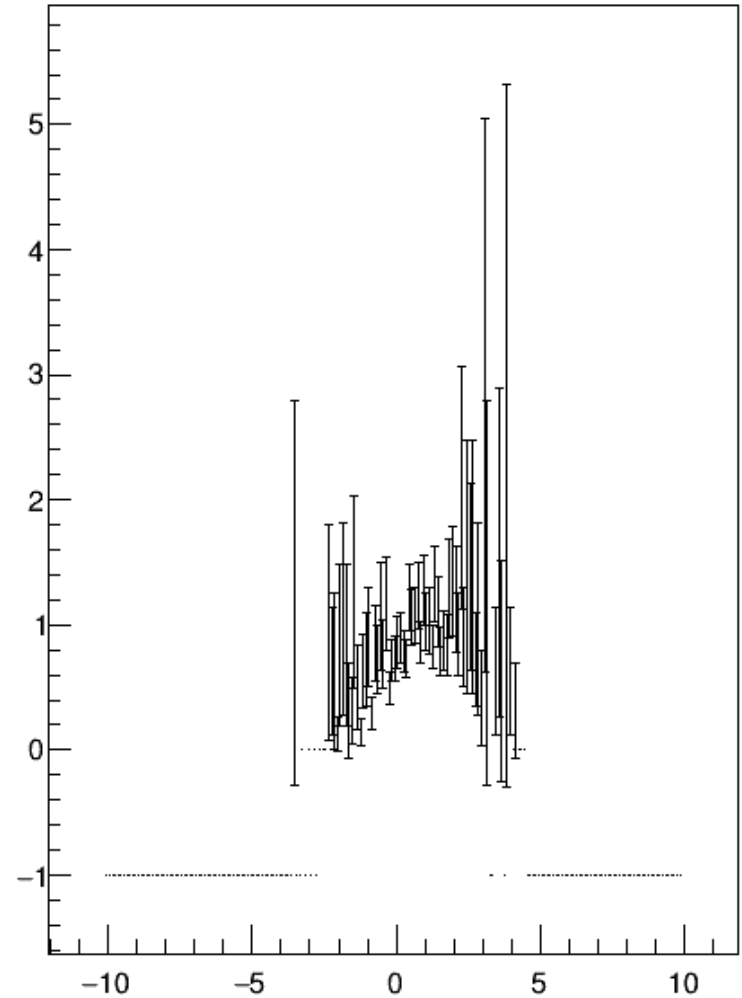
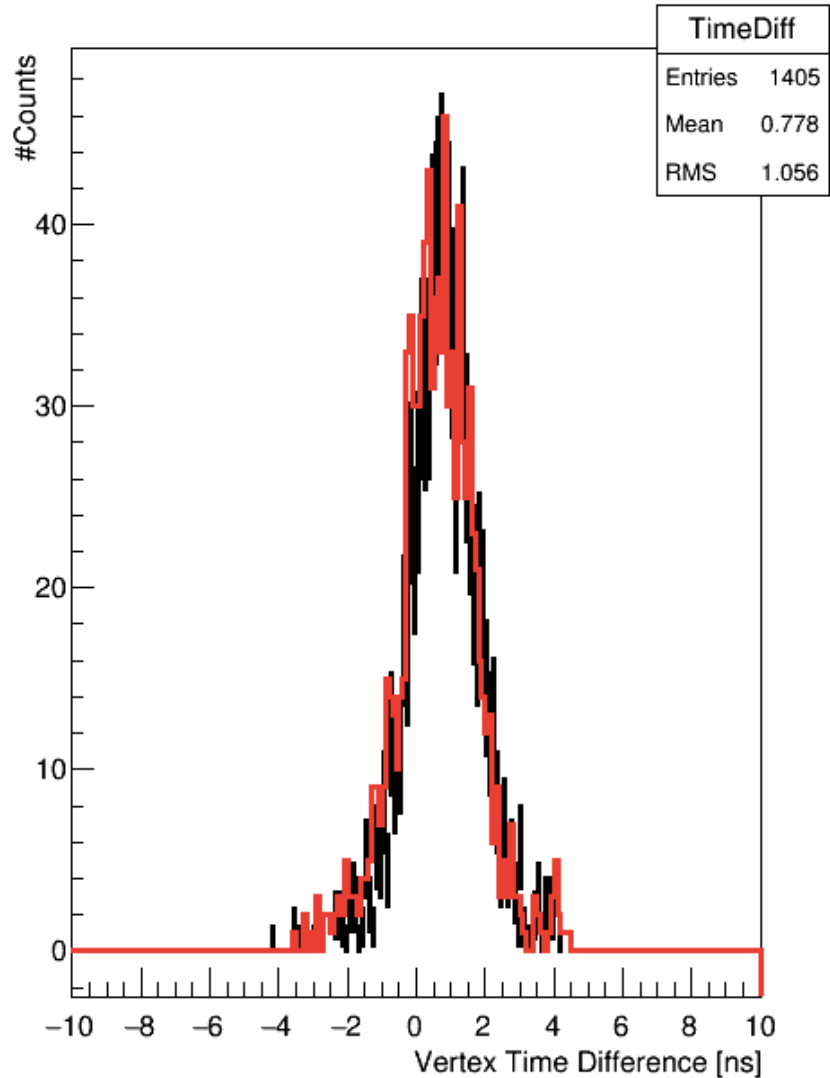
Event set 3.

Bad Vertex Reco &
Bad Energy Reco
589

Vertex Time Difference in Low SF

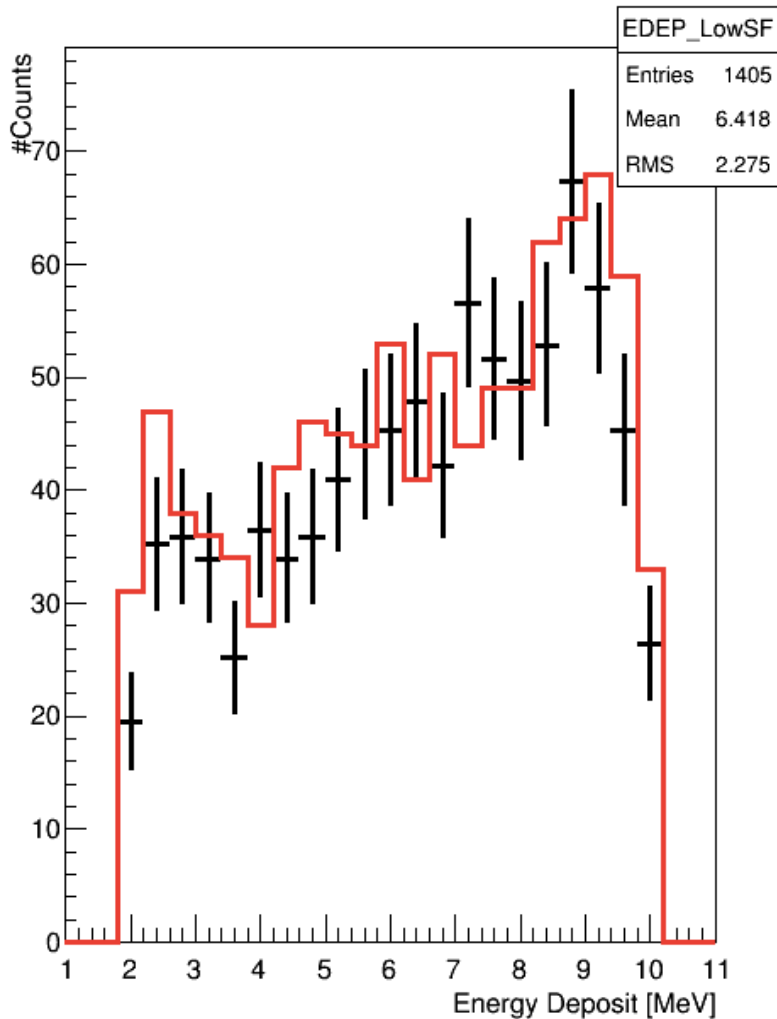
Vertex Time Difference Distribution [ns]

Data/M.C.

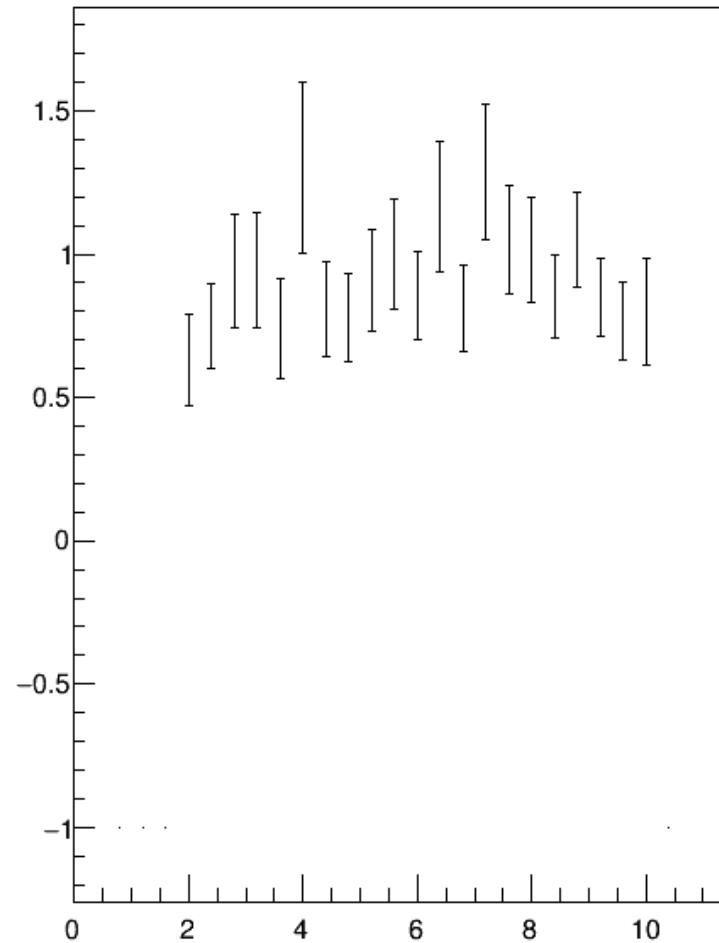


Energy Deposit in Low SF

Energy Deposit Distribution

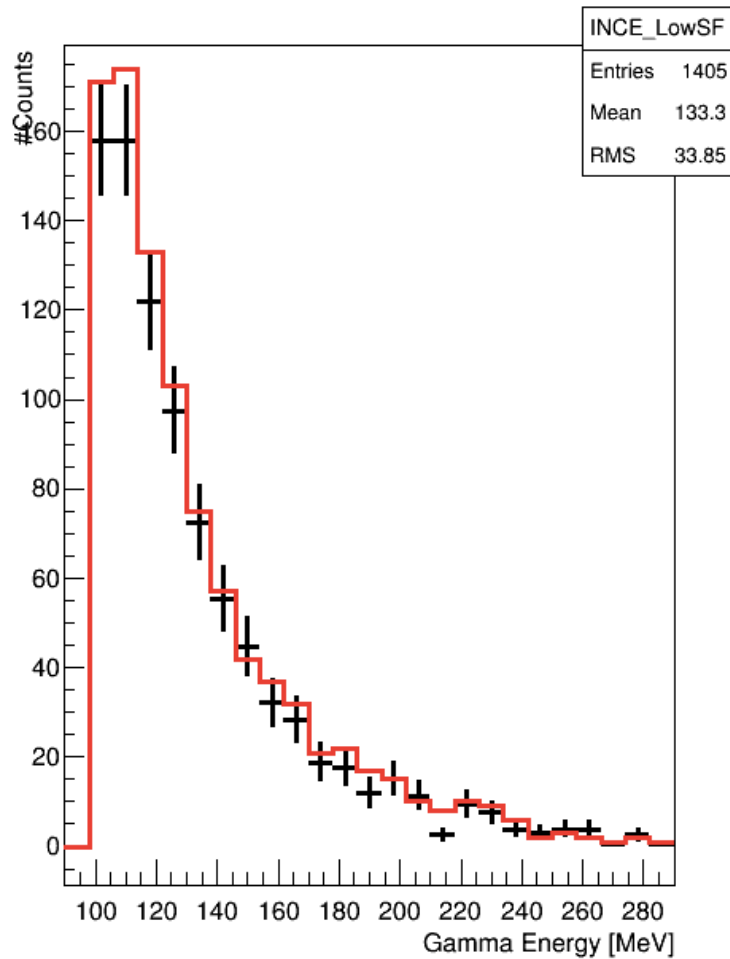


Data/M.C.

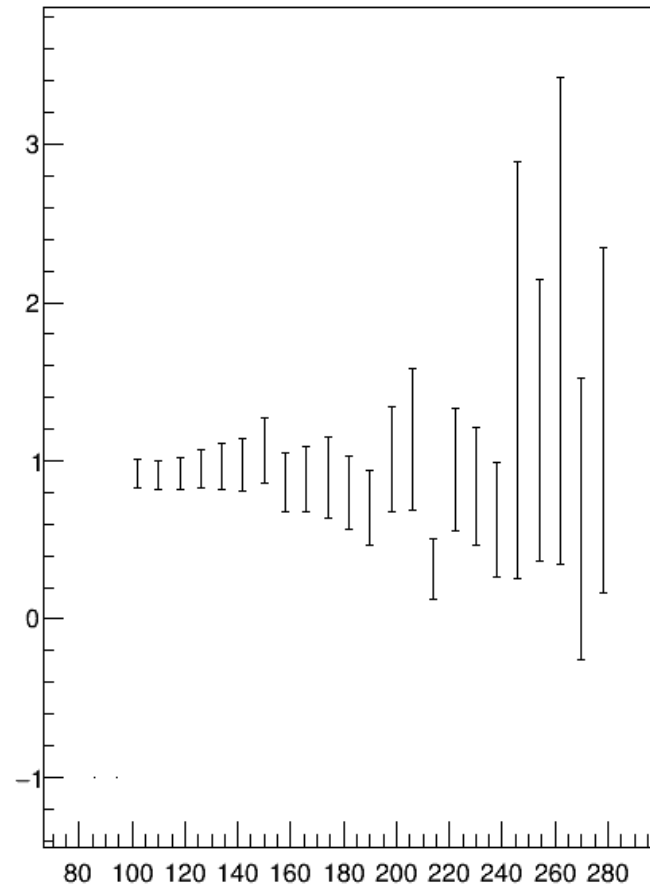


Gamma Energy in Low SF

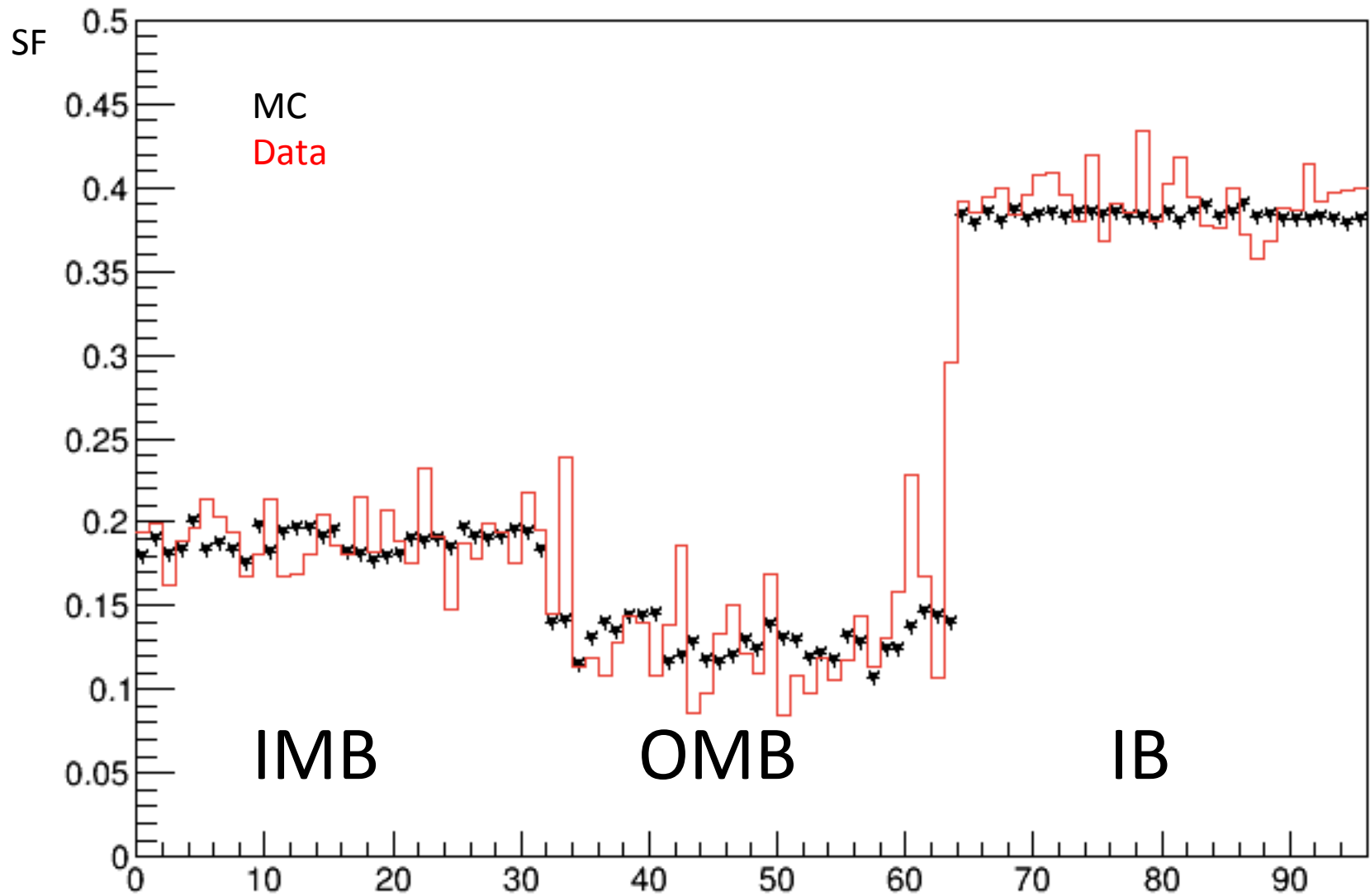
Gamma Energy Distribution



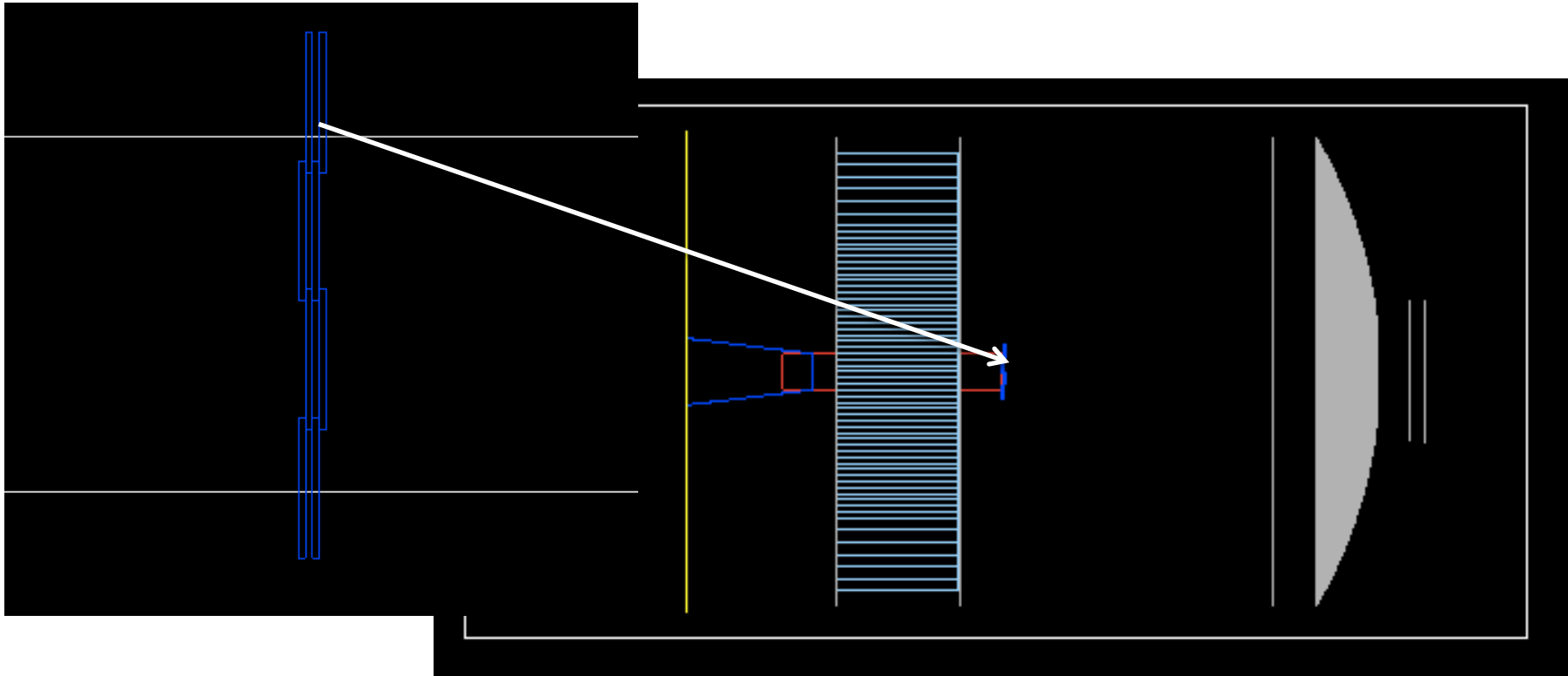
Data/M.C.



Run69 data



$\pi^+\pi^-\pi^0$ MC

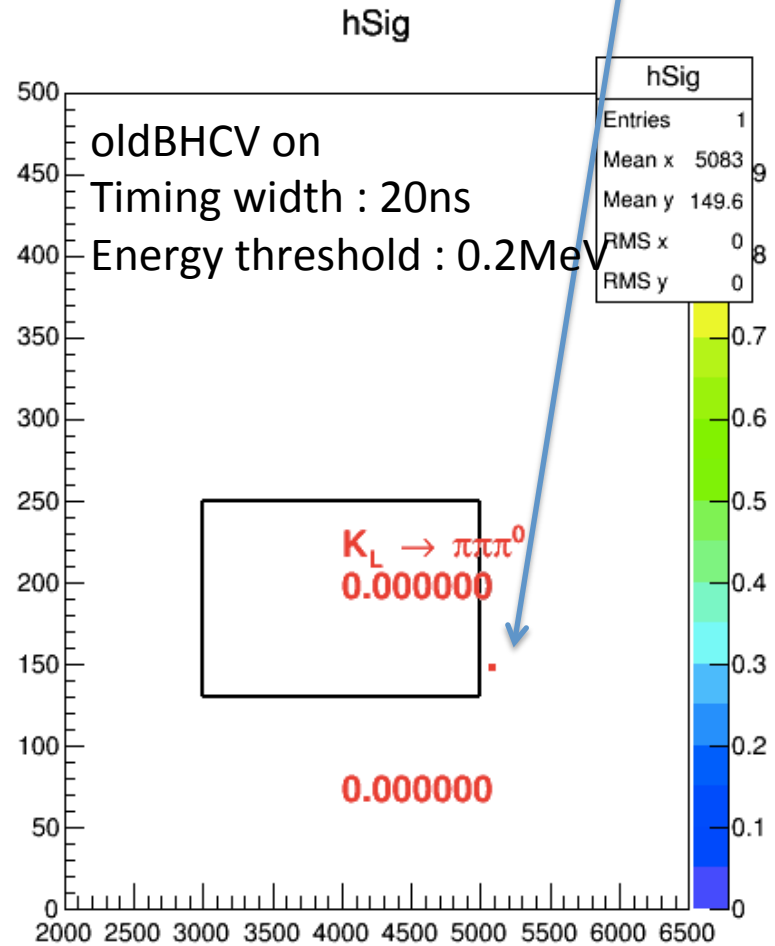
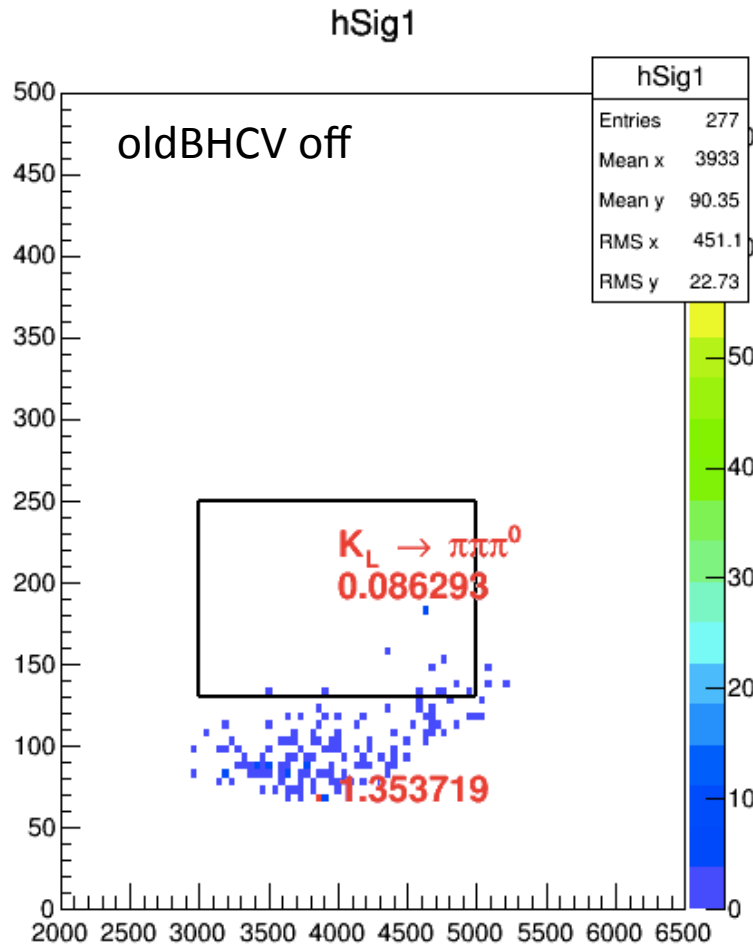


No Detector between Csl and oldBHCV

pi+pi-pi0 MC (Recycle)

Statistics = $2e7 * 1e3 * 1e2 = 2e12$ (1.5e13)
 Run62 Normalization (2.58e11)

No Hit on oldBHCV
 G10 at CC03(pi+ pi-)



MPPC Test

- Al Box ?
- Temp. Monitor(DHT11)
 - 0~50 deg
 - 2 deg resolution
 - Connection to RaspBerry pi
 - Order is done, test will be done next week
- Temp. Monitor Test
 - 1) measurement of temperature just inside the chamber
 - 2) measurement of temperature inside box (of course inside the chamber)

Things to do

- Temp. Monitor Test
- More statistics for $KL\pi^+\pi^-\pi^0$ with config. 1
- MC for other config.
- Low sampling & Background for run69