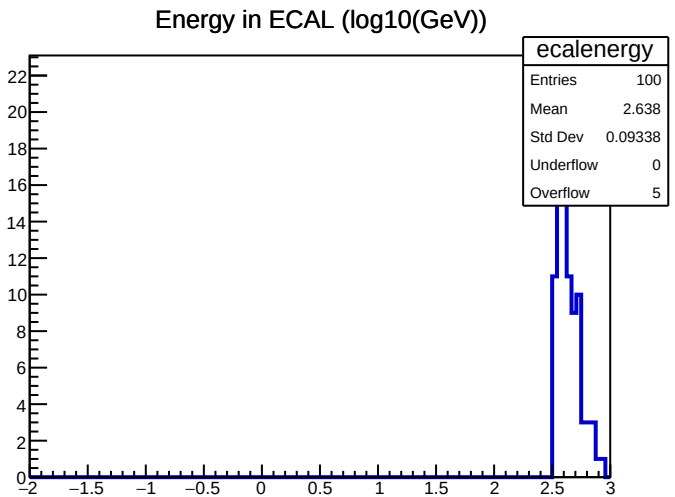
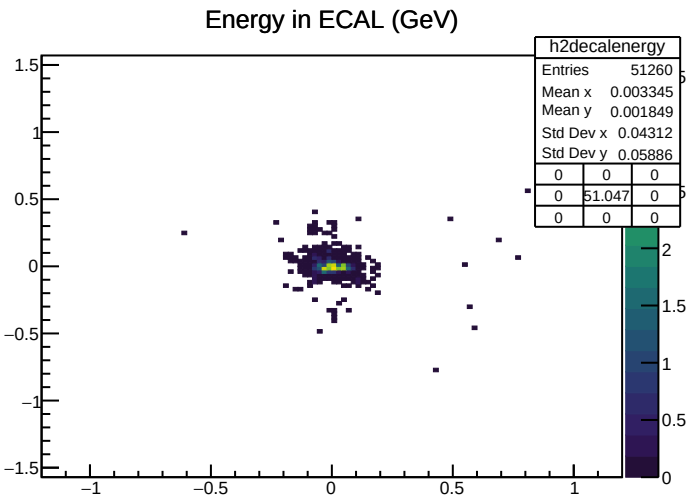
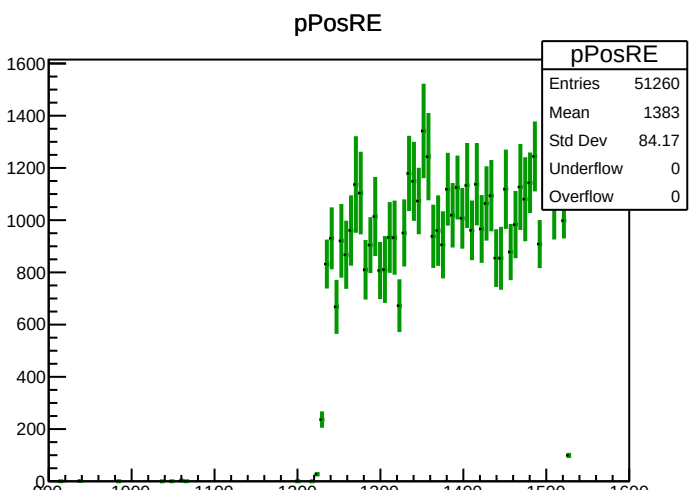
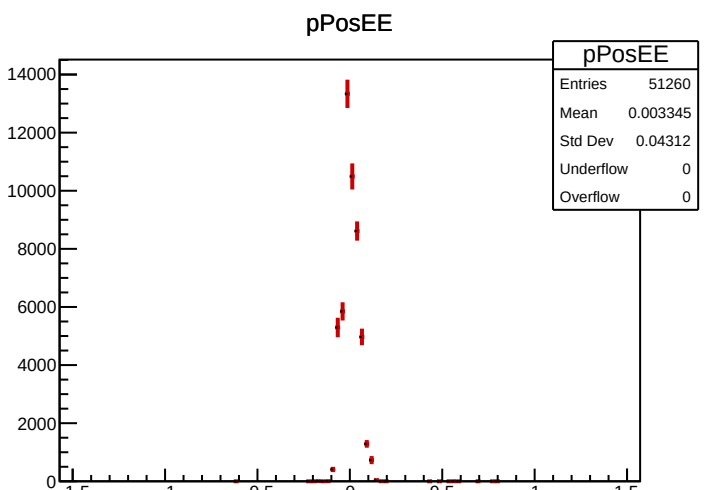
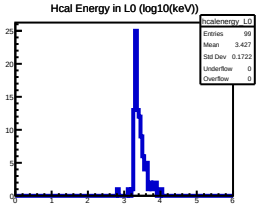
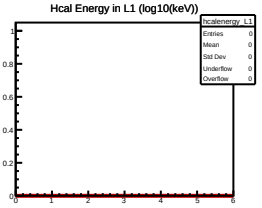

Energy in ECAL (log10(GeV))
ecalenergy
Entries 100
Mean 2.638
Std Dev 0.09338
Underflow 0
Overflow 5

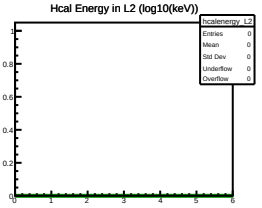

Energy in ECAL (GeV)
h2decalenergy
Entries 51260
Mean x 0.003345
Mean y 0.001849
Std Dev x 0.04312
Std Dev y 0.05886
0 0 0
0 51.047 0
0 0 0

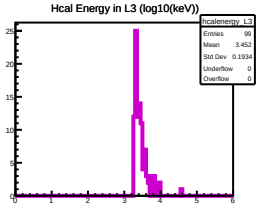

pPosRE
pPosRE
Entries 51260
Mean 1383
Std Dev 84.17
Underflow 0
Overflow 0

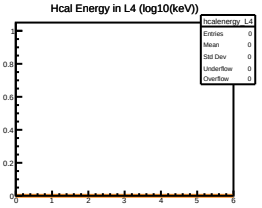

pPosEE
pPosEE
Entries 51260
Mean 0.003345
Std Dev 0.04312
Underflow 0
Overflow 0

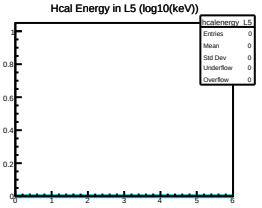

Hcal Energy in L0 (log10(keV))
hcalenergy_L0
Entries 99
Mean 3.427
Std Dev 0.1722
Underflow 0
Overflow 0

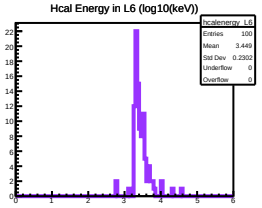

Hcal Energy in L1 (log10(keV))
hcalenergy_L1
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

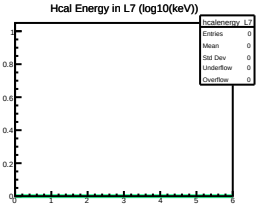

Hcal Energy in L2 (log10(keV))
hcalenergy_L2
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

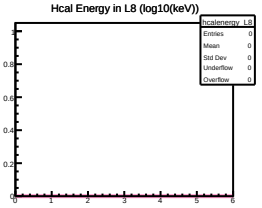

Hcal Energy in L3 (log10(keV))
hcalenergy_L3
Entries 99
Mean 3.452
Std Dev 0.1934
Underflow 0
Overflow 0

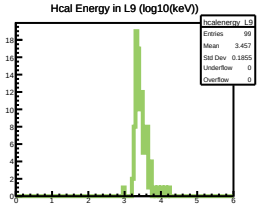

Hcal Energy in L4 (log10(keV))
hcalenergy_L4
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

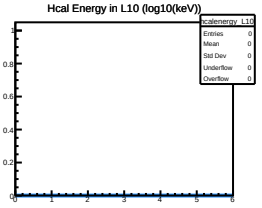

Hcal Energy in L5 (log10(keV))
hcalenergy_L5
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

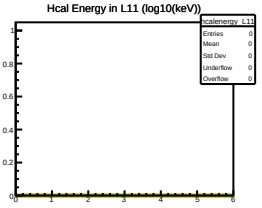

Hcal Energy in L6 (log10(keV))
hcalenergy_L6
Entries 100
Mean 3.449
Std Dev 0.2302
Underflow 0
Overflow 0

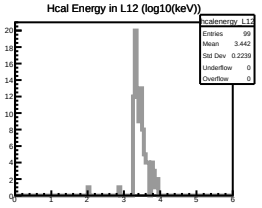

Hcal Energy in L7 (log10(keV))
hcalenergy_L7
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

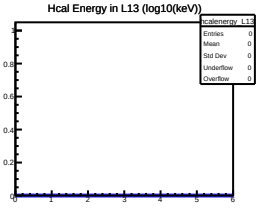

Hcal Energy in L8 (log10(keV))
hcalenergy_L8
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

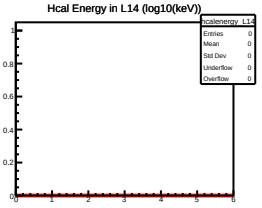

Hcal Energy in L9 (log10(keV))
hcalenergy_L9
Entries 99
Mean 3.457
Std Dev 0.1855
Underflow 0
Overflow 0

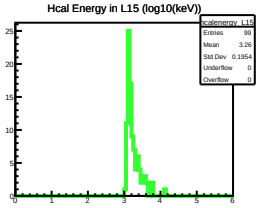

Hcal Energy in L10 (log10(keV))
hcalenergy_L10
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

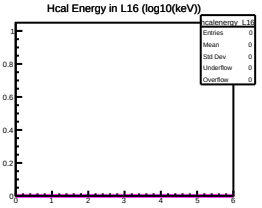

Hcal Energy in L11 (log10(keV))
hcalenergy_L11
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0


Hcal Energy in L12 (log10(keV))
hcalenergy_L12
Entries 99
Mean 3.442
Std Dev 0.2239
Underflow 0
Overflow 0

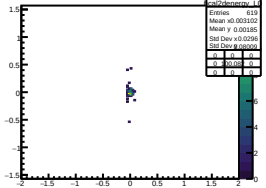

Hcal Energy in L13 (log10(keV))
hcalenergy_L13
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0


Hcal Energy in L14 (log10(keV))
hcalenergy_L14
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

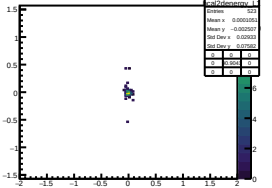

Hcal Energy in L15 (log10(keV))
hcalenergy_L15
Entries 99
Mean 3.26
Std Dev 0.1954
Underflow 0
Overflow 0


Hcal Energy in L16 (log10(keV))
hcalenergy_L16
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

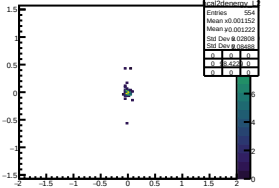
Hcal Energy in L0 (keV)



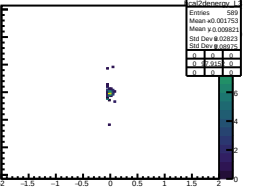
Hcal Energy in L1 (keV)



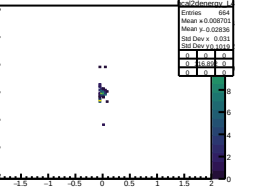
Hcal Energy in L2 (keV)



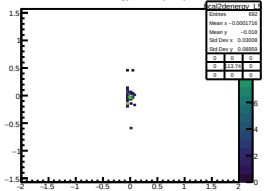
Hcal Energy in L3 (keV)



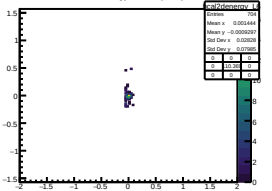
Hcal Energy in L4 (keV)



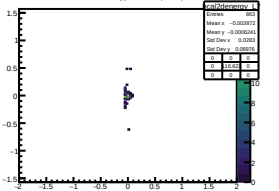
Hcal Energy in L5 (keV)



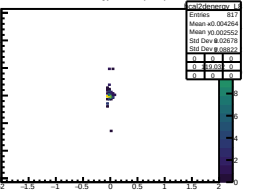
Hcal Energy in L6 (keV)



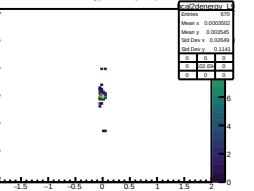
Hcal Energy in L7 (keV)



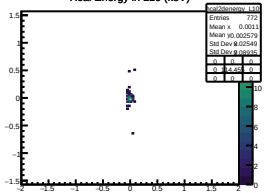
Hcal Energy in L8 (keV)



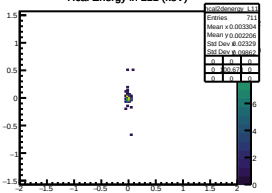
Hcal Energy in L9 (keV)



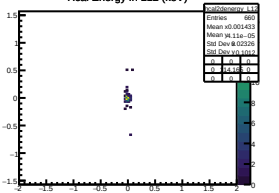
Hcal Energy in L10 (keV)



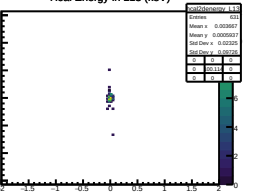
Hcal Energy in L11 (keV)



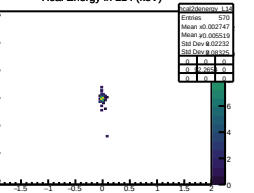
Hcal Energy in L12 (keV)



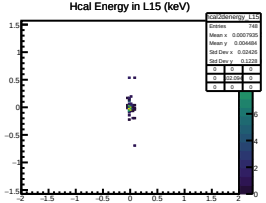
Hcal Energy in L13 (keV)



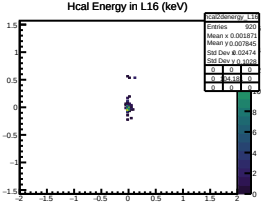
Hcal Energy in L14 (keV)

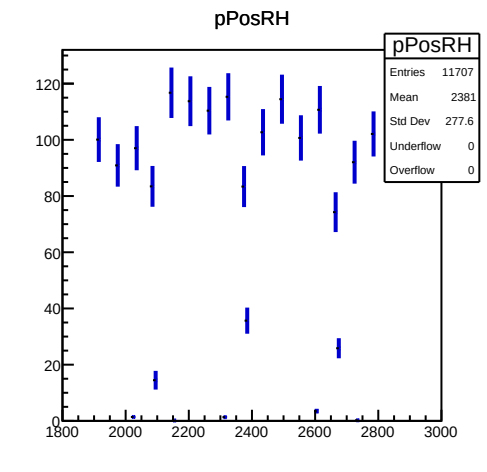


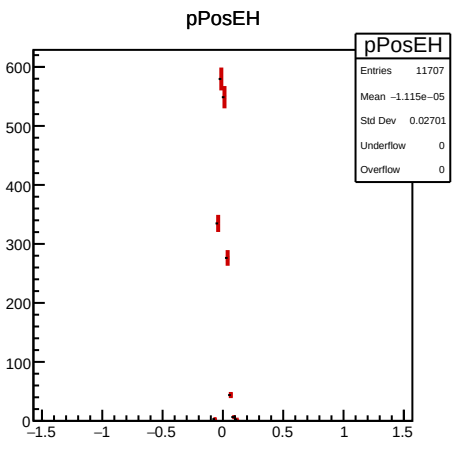
Hcal Energy in L15 (keV)

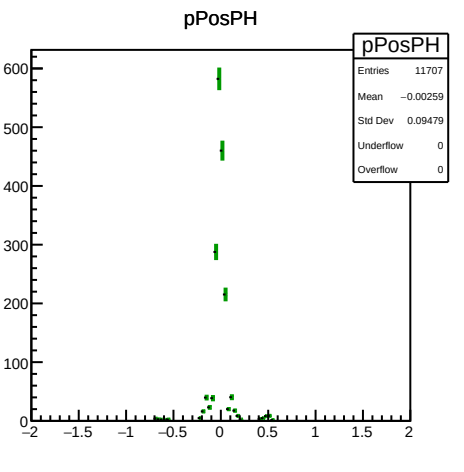


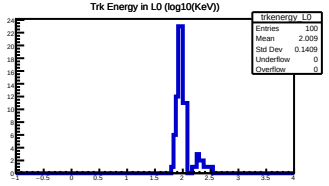
Hcal Energy in L16 (keV)

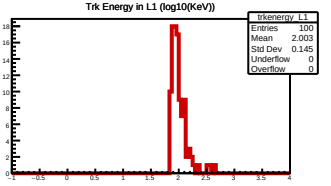


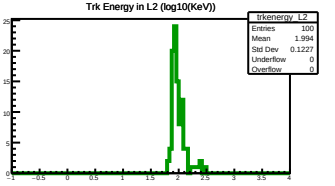

pPosRH
pPosRH
Entries 11707
Mean 2381
Std Dev 277.6
Underflow 0
Overflow 0
120
100
80
60
40
20
0
1800
2000
2200
2400
2600
2800
3000

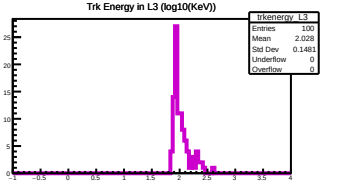

pPosEH
pPosEH
Entries 11707
Mean −1.115e−05
Std Dev 0.02701
Underflow 0
Overflow 0
600
500
400
300
200
100
0
−1.5
−1
−0.5
0
0.5
1
1.5

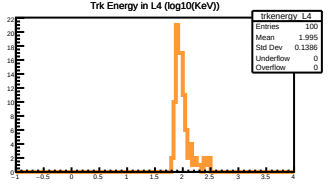

pPosPH
pPosPH
Entries 11707
Mean −0.00259
Std Dev 0.09479
Underflow 0
Overflow 0
600
500
400
300
200
100
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

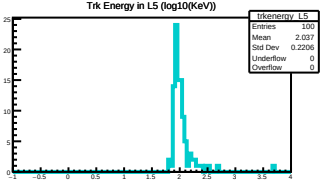

Trk Energy in L0 (log10(KeV))
trkenergy_L0
Entries 100
Mean 2.009
Std Dev 0.1409
Underflow 0
Overflow 0

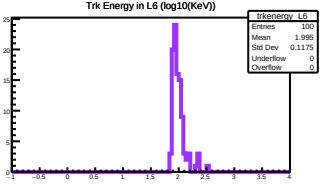

Trk Energy in L1 (log10(KeV))
trkenergy_L1
Entries 100
Mean 2.003
Std Dev 0.145
Underflow 0
Overflow 0

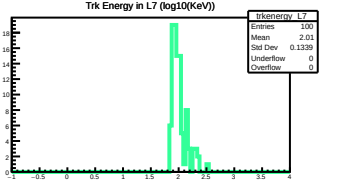

Trk Energy in L2 (log10(KeV))
trkenergy_L2
Entries 100
Mean 1.994
Std Dev 0.1227
Underflow 0
Overflow 0

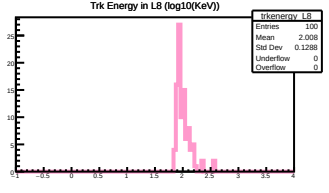

Trk Energy in L3 (log10(KeV))
trkenergy_L3
Entries 100
Mean 2.028
Std Dev 0.1481
Underflow 0
Overflow 0

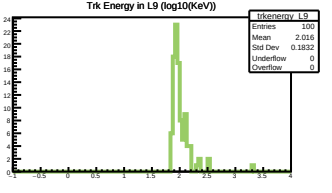

Trk Energy in L4 (log10(KeV))
trkenergy_L4
Entries 100
Mean 1.995
Std Dev 0.1386
Underflow 0
Overflow 0

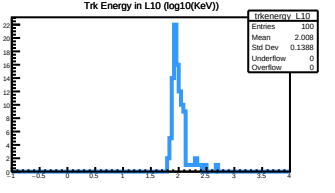

Trk Energy in L5 (log10(KeV))
trkenergy_L5
Entries 100
Mean 2.037
Std Dev 0.2206
Underflow 0
Overflow 0

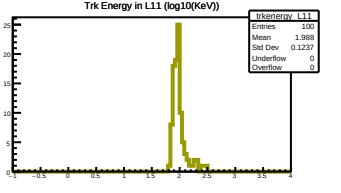

Trk Energy in L6 (log10(KeV))
trkenergy_L6
Entries 100
Mean 1.995
Std Dev 0.1175
Underflow 0
Overflow 0

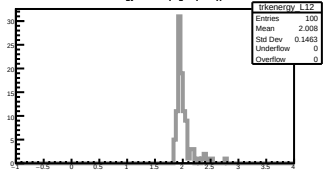

Trk Energy in L7 (log10(KeV))
trkenergy_L7
Entries 100
Mean 2.01
Std Dev 0.1339
Underflow 0
Overflow 0

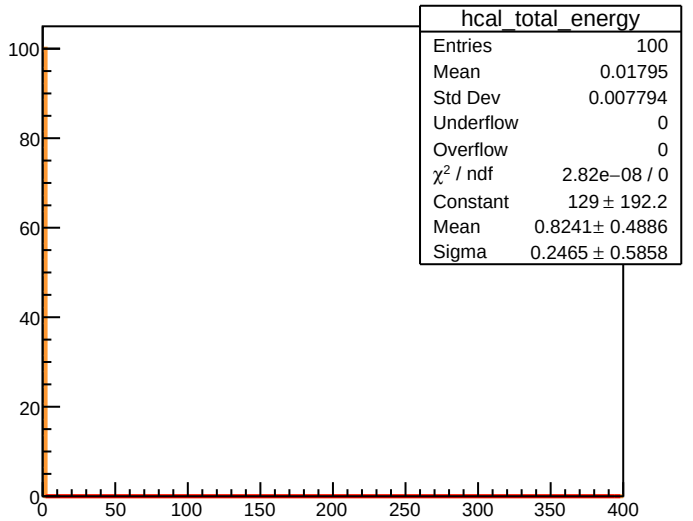

Trk Energy in L8 (log10(KeV))
trkenergy_L8
Entries 100
Mean 2.008
Std Dev 0.1288
Underflow 0
Overflow 0

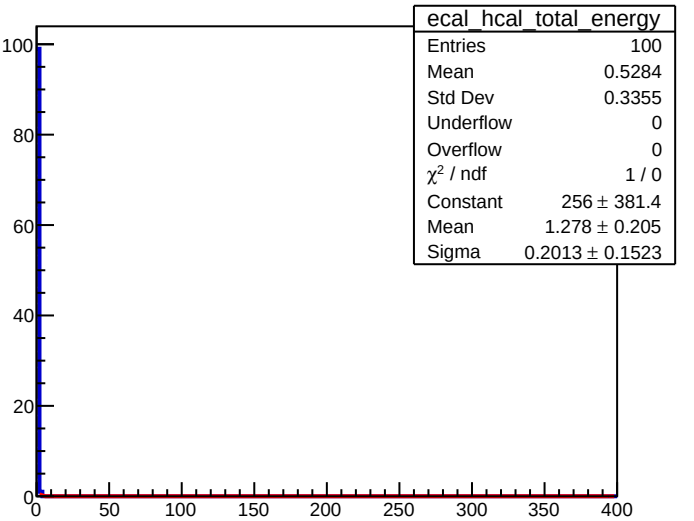

Trk Energy in L9 (log10(KeV))
trkenergy_L9
Entries 100
Mean 2.016
Std Dev 0.1832
Underflow 0
Overflow 0

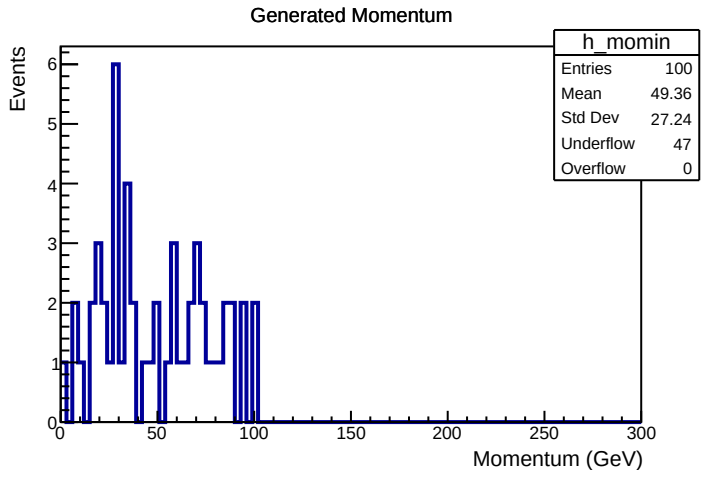

Trk Energy in L10 (log10(KeV))
trkenergy_L10
Entries 100
Mean 2.008
Std Dev 0.1388
Underflow 0
Overflow 0

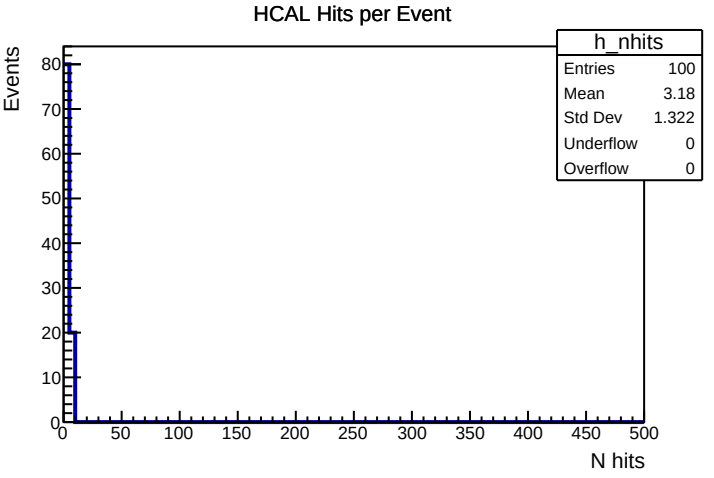

Trk Energy in L11 (log10(KeV))
trkenergy_L11
Entries 100
Mean 1.988
Std Dev 0.1237
Underflow 0
Overflow 0

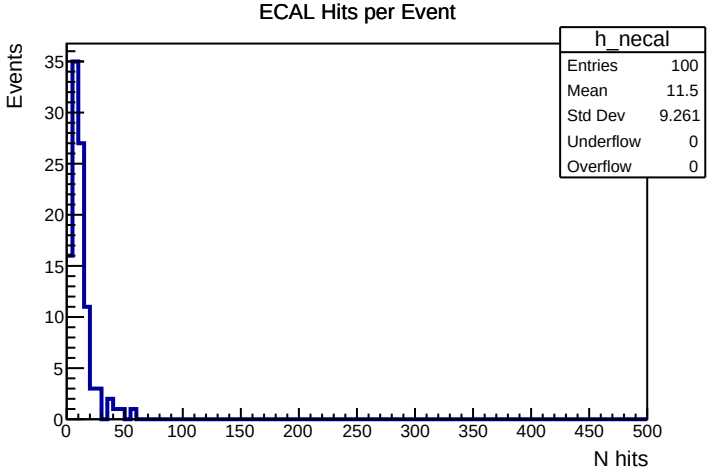

Trk Energy in L12 (log10(KeV))
trkenergy_L12
Entries 100
Mean 2.008
Std Dev 0.1463
Underflow 0
Overflow 0

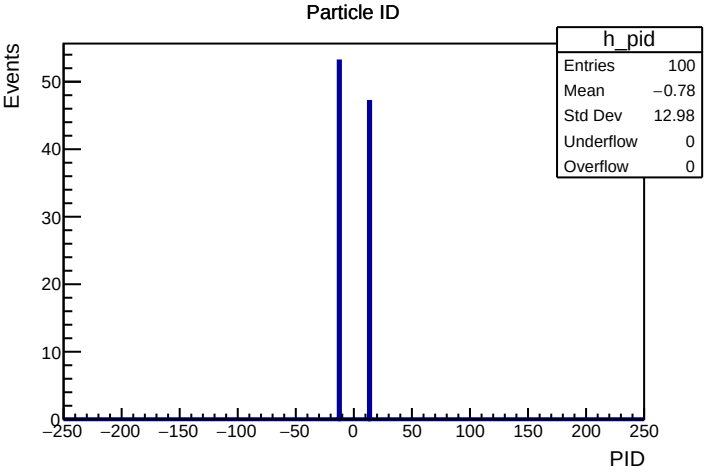

HCAL Total Energy (GeV)
hcal_total_energy
Entries 100
Mean 0.01795
Std Dev 0.007794
Underflow 0
Overflow 0
χ² / ndf 2.82e−08 / 0
Constant 129 ± 192.2
Mean 0.8241± 0.4886
Sigma 0.2465 ± 0.5858
0 20 40 60 80 100
0 50 100 150 200 250 300 350 400

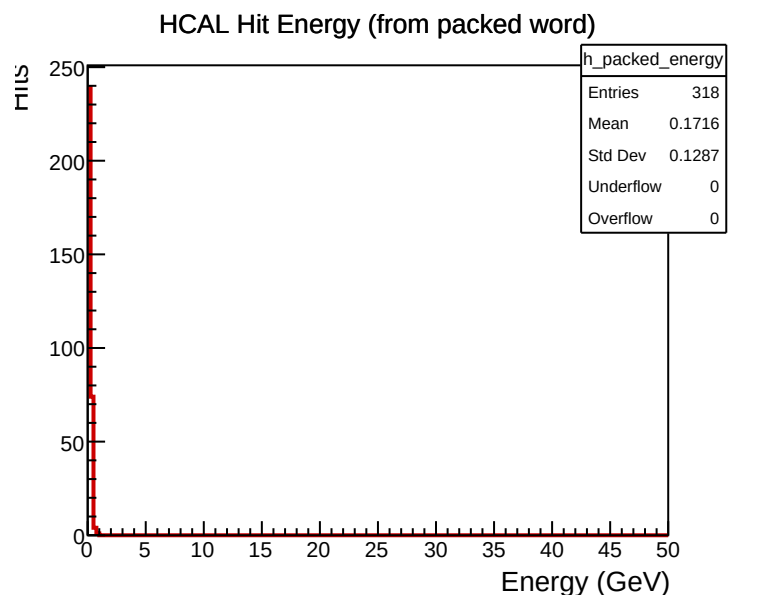

ECAL+HCAL Total Energy (GeV)
ecal_hcal_total_energy
Entries 100
Mean 0.5284
Std Dev 0.3355
Underflow 0
Overflow 0
χ² / ndf 1 / 0
Constant 256 ± 381.4
Mean 1.278 ± 0.205
Sigma 0.2013 ± 0.1523
0 20 40 60 80 100
0 50 100 150 200 250 300 350 400

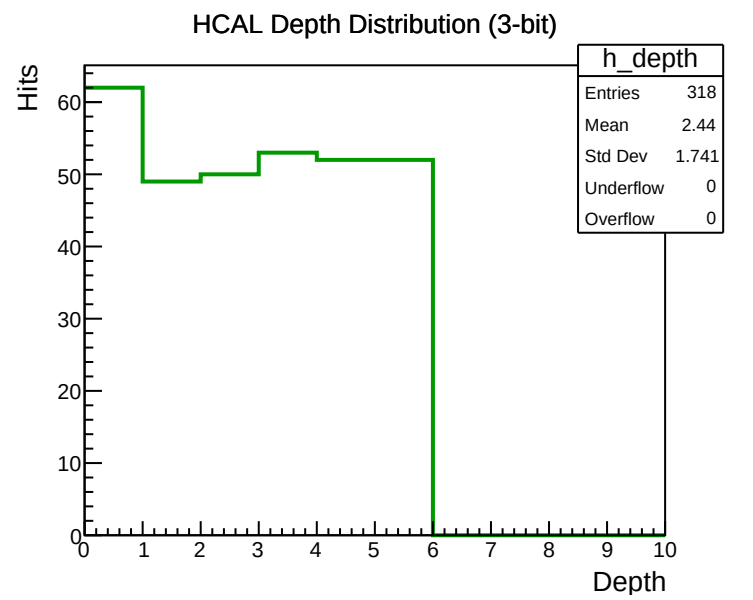

Generated Momentum
h_momin
Entries 100
Mean 49.36
Std Dev 27.24
Underflow 47
Overflow 0
Events
Momentum (GeV)


HCAL Hits per Event
h_nhits
Entries 100
Mean 3.18
Std Dev 1.322
Underflow 0
Overflow 0
Events
N hits


ECAL Hits per Event
h_necal
Entries 100
Mean 11.5
Std Dev 9.261
Underflow 0
Overflow 0
Events
N hits


Particle ID
h_pid
Entries 100
Mean −0.78
Std Dev 12.98
Underflow 0
Overflow 0
Events
PID


HCAL Hit Energy (from packed word)
h_packed_energy
Entries 318
Mean 0.1716
Std Dev 0.1287
Underflow 0
Overflow 0
Hits
Energy (GeV)


HCAL Depth Distribution (3-bit)
h_depth
Entries 318
Mean 2.44
Std Dev 1.741
Underflow 0
Overflow 0
Hits
Depth