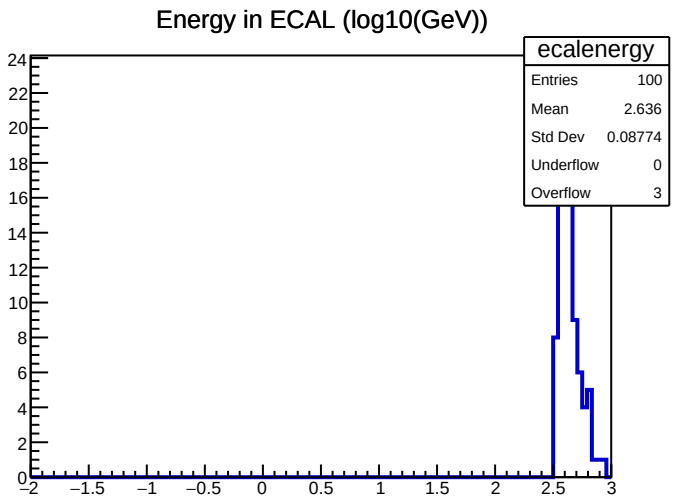
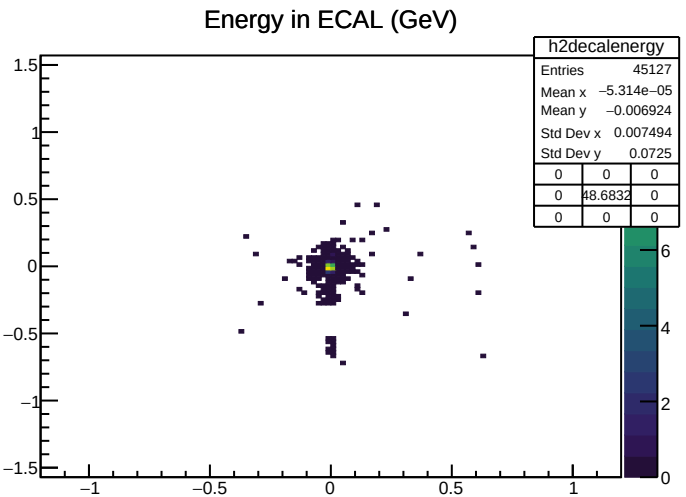
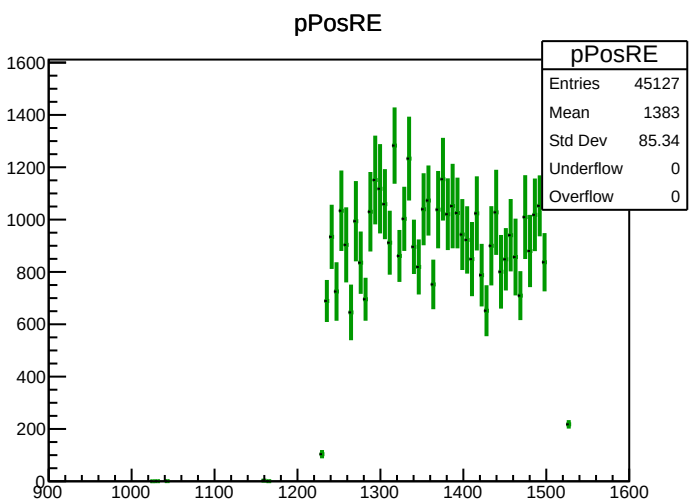
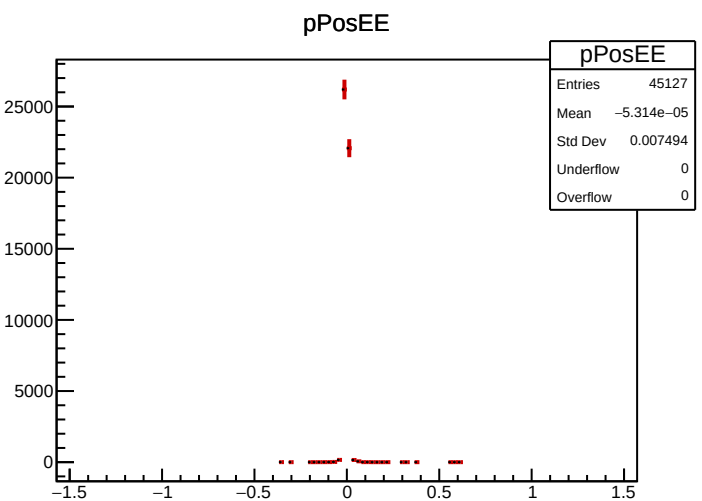
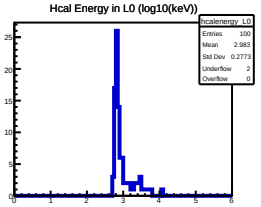
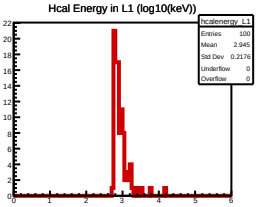

Energy in ECAL (log10(GeV))
ecalenergy
Entries 100
Mean 2.636
Std Dev 0.08774
Underflow 0
Overflow 3

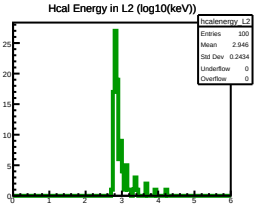

Energy in ECAL (GeV)
h2decalenergy
Entries 45127
Mean x −5.314e−05
Mean y −0.006924
Std Dev x 0.007494
Std Dev y 0.0725
48.6832

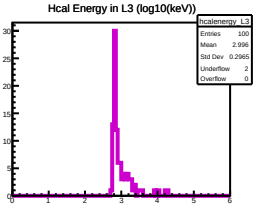

pPosRE
pPosRE
Entries 45127
Mean 1383
Std Dev 85.34
Underflow 0
Overflow 0

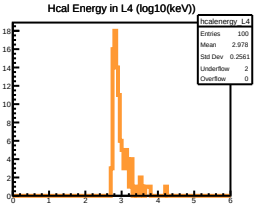

pPosEE
pPosEE
Entries 45127
Mean −5.314e−05
Std Dev 0.007494
Underflow 0
Overflow 0

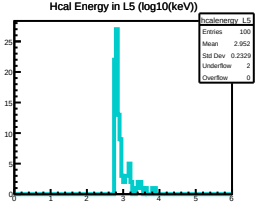

Hcal Energy in L0 (log10(keV))
hcalenergy_L0
Entries 100
Mean 2.983
Std Dev 0.2773
Underflow 2
Overflow 0

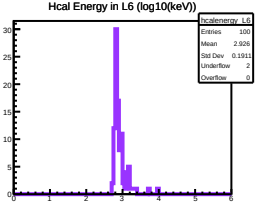

Hcal Energy in L1 (log10(keV))
hcalenergy_L1
Entries 100
Mean 2.945
Std Dev 0.2176
Underflow 0
Overflow 0

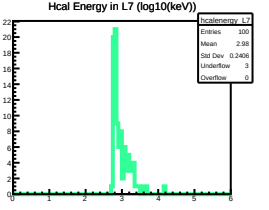

Hcal Energy in L2 (log10(keV))
hcalenergy_L2
Entries 100
Mean 2.946
Std Dev 0.2434
Underflow 0
Overflow 0

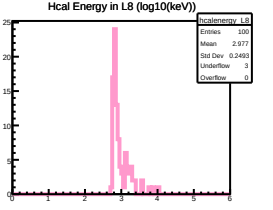

Hcal Energy in L3 (log10(keV))
hcalenergy_L3
Entries 100
Mean 2.956
Std Dev 0.2965
Underflow 2
Overflow 0

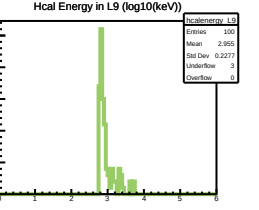

Hcal Energy in L4 (log10(keV))
hcalenergy_L4
Entries 100
Mean 2.978
Std Dev 0.2561
Underflow 2
Overflow 0

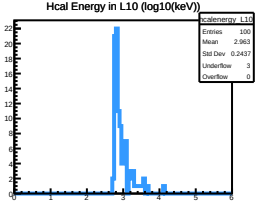

Hcal Energy in L5 (log10(keV))
hcalenergy_L5
Entries 100
Mean 2.952
Std Dev 0.2329
Underflow 2
Overflow 0

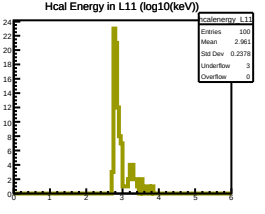

Hcal Energy in L6 (log10(keV))
hcalenergy_L6
Entries 100
Mean 2.928
Std Dev 0.1911
Underflow 2
Overflow 0

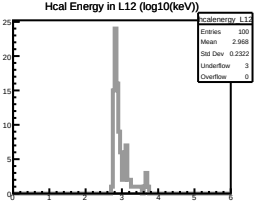

Hcal Energy in L7 (log10(keV))
hcalenergy_L7
Entries 100
Mean 2.98
Std Dev 0.2406
Underflow 3
Overflow 0

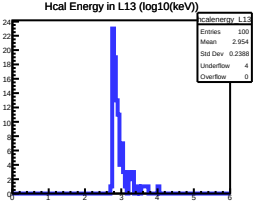

Hcal Energy in L8 (log10(keV))
hcalenergy_L8
Entries 100
Mean 2.977
Std Dev 0.2493
Underflow 3
Overflow 0

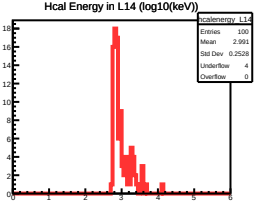

Hcal Energy in L9 (log10(keV))
hcalenergy_L9
Entries 100
Mean 2.955
Std Dev 0.2277
Underflow 3
Overflow 0

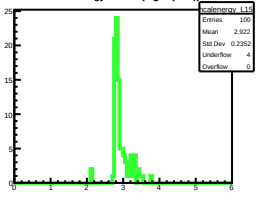

Hcal Energy in L10 (log10(keV))
hcalenergy_L10
Entries 100
Mean 2.963
Std Dev 0.2437
Underflow 3
Overflow 0

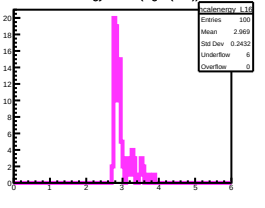

Hcal Energy in L11 (log10(keV))
hcalenergy_L11
Entries 100
Mean 2.961
Std Dev 0.2378
Underflow 3
Overflow 0


Hcal Energy in L12 (log10(keV))
hcalenergy_L12
Entries 100
Mean 2.968
Std Dev 0.2322
Underflow 3
Overflow 0

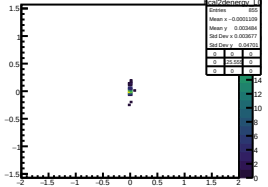

Hcal Energy in L13 (log10(keV))
hcalenergy_L13
Entries 100
Mean 2.954
Std Dev 0.2388
Underflow 4
Overflow 0


Hcal Energy in L14 (log10(keV))
hcalenergy_L14
Entries 100
Mean 2.991
Std Dev 0.2528
Underflow 4
Overflow 0

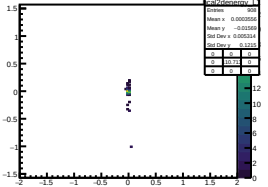

Hcal Energy in L15 (log10(keV))
hcalenergy_L15
Entries 100
Mean 2.922
Std Dev 0.2352
Underflow 4
Overflow 0


Hcal Energy in L16 (log10(keV))
hcalenergy_L16
Entries 100
Mean 2.969
Std Dev 0.2432
Underflow 6
Overflow 0

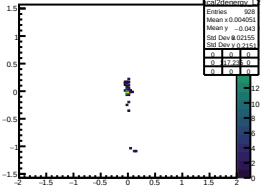
Hcal Energy in L0 (keV)



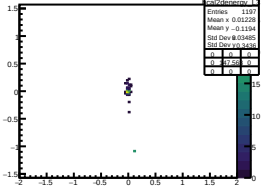
Hcal Energy in L1 (keV)



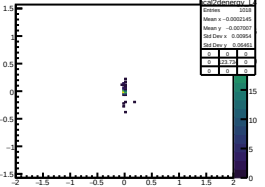
Hcal Energy in L2 (keV)



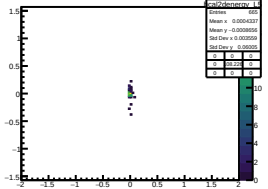
Hcal Energy in L3 (keV)



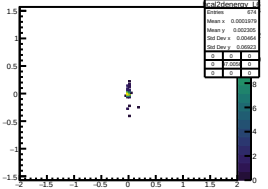
Hcal Energy in L4 (keV)



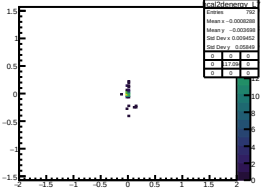
Hcal Energy in L5 (keV)



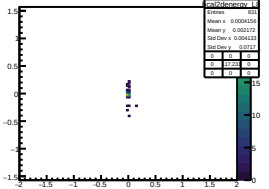
Hcal Energy in L6 (keV)



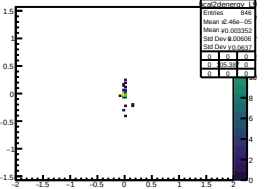
Hcal Energy in L7 (keV)



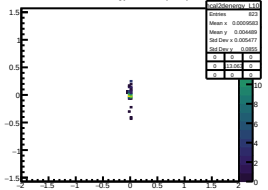
Hcal Energy in L8 (keV)



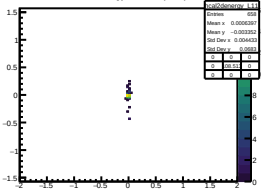
Hcal Energy in L9 (keV)



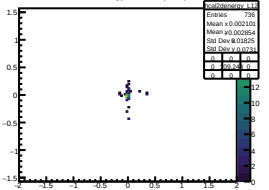
Hcal Energy in L10 (keV)



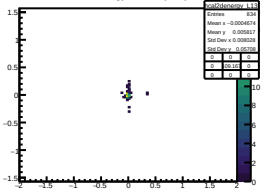
Hcal Energy in L11 (keV)



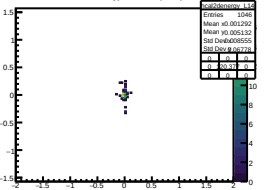
Hcal Energy in L12 (keV)



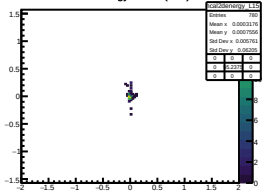
Hcal Energy in L13 (keV)



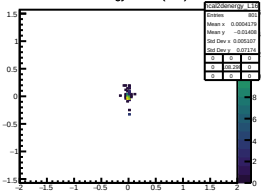
Hcal Energy in L14 (keV)

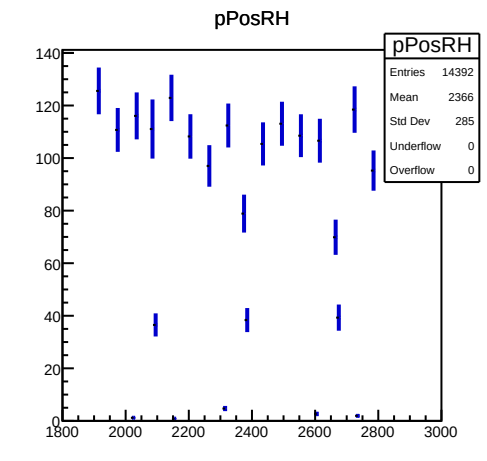


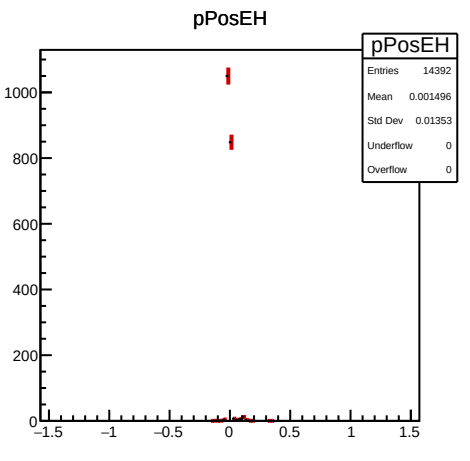
Hcal Energy in L15 (keV)

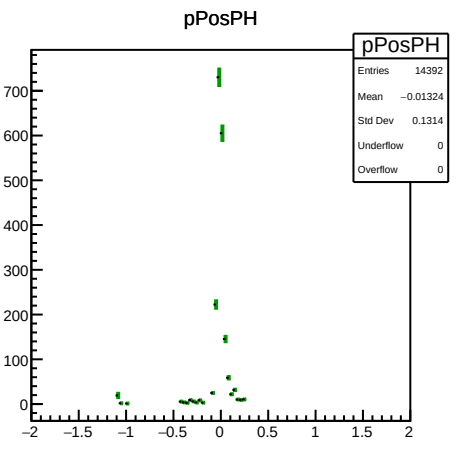


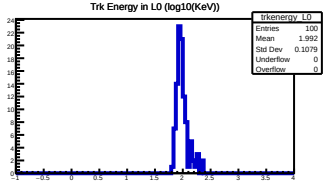
Hcal Energy in L16 (keV)

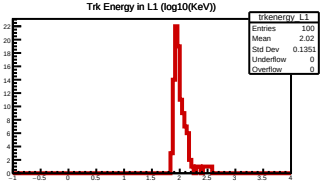


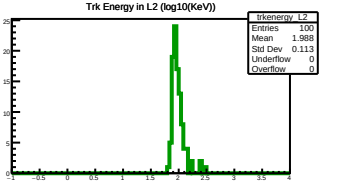

pPosRH
pPosRH
Entries 14392
Mean 2366
Std Dev 285
Underflow 0
Overflow 0
140
120
100
80
60
40
20
0
1800
2000
2200
2400
2600
2800
3000

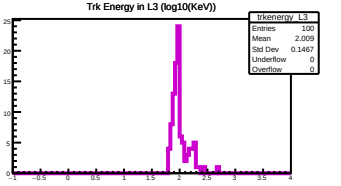

pPosEH
pPosEH
Entries 14392
Mean 0.001496
Std Dev 0.01353
Underflow 0
Overflow 0
1000
800
600
400
200
0
−1.5
−1
−0.5
0
0.5
1
1.5

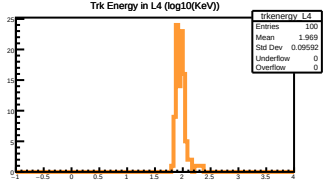

pPosPH
pPosPH
Entries 14392
Mean −0.01324
Std Dev 0.1314
Underflow 0
Overflow 0
700
600
500
400
300
200
100
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

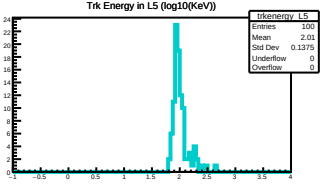

Trk Energy in L0 (log10(KeV))
trkenergy_L0
Entries 100
Mean 1.992
Std Dev 0.1079
Underflow 0
Overflow 0

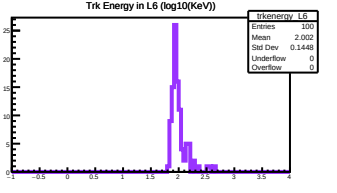

Trk Energy in L1 (log10(KeV))
trkenergy_L1
Entries 100
Mean 2.02
Std Dev 0.1351
Underflow 0
Overflow 0

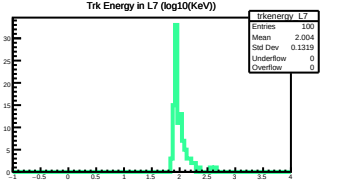

Trk Energy in L2 (log10(KeV))
trkenergy_L2
Entries 100
Mean 1.988
Std Dev 0.113
Underflow 0
Overflow 0

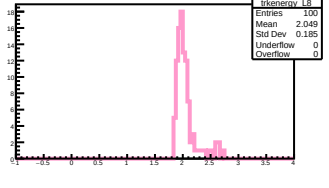

Trk Energy in L3 (log10(KeV))
trkenergy_L3
Entries 100
Mean 2.009
Std Dev 0.1467
Underflow 0
Overflow 0

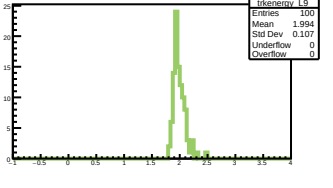

Trk Energy in L4 (log10(KeV))
trkenergy_L4
Entries 100
Mean 1.969
Std Dev 0.09592
Underflow 0
Overflow 0

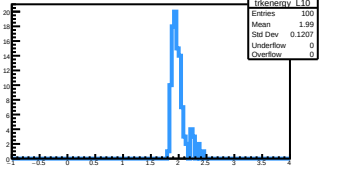

Trk Energy in L5 (log10(KeV))
trkenergy_L5
Entries 100
Mean 2.01
Std Dev 0.1375
Underflow 0
Overflow 0

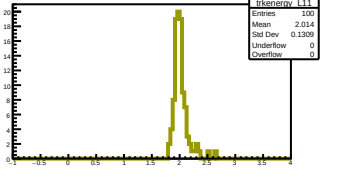

Trk Energy in L6 (log10(KeV))
trkenergy_L6
Entries 100
Mean 2.002
Std Dev 0.1448
Underflow 0
Overflow 0

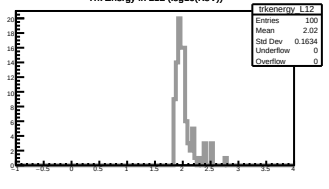

Trk Energy in L7 (log10(KeV))
trkenergy_L7
Entries 100
Mean 2.004
Std Dev 0.1319
Underflow 0
Overflow 0

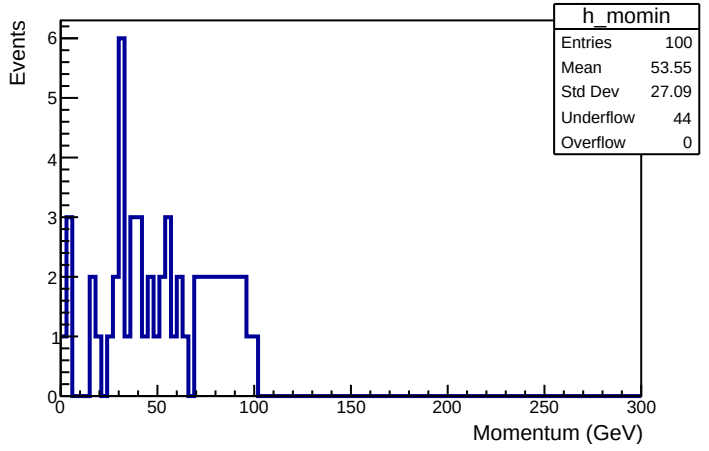

Trk Energy in L8 (log10(KeV))
trkenergy_L8
Entries 100
Mean 2.049
Std Dev 0.185
Underflow 0
Overflow 0

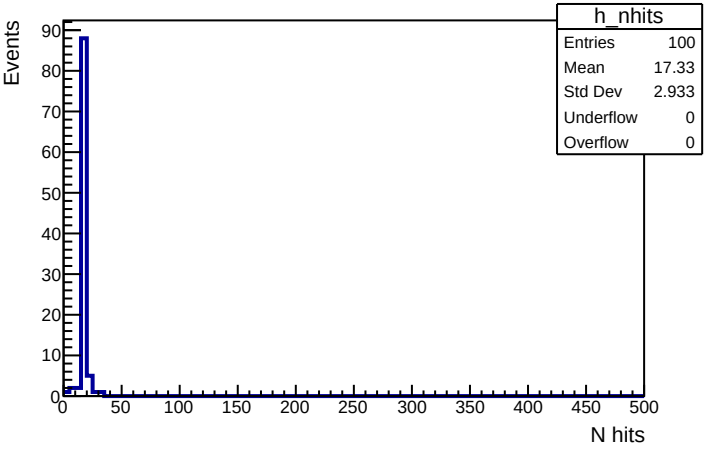

Trk Energy in L9 (log10(KeV))
trkenergy_L9
Entries 100
Mean 1.994
Std Dev 0.107
Underflow 0
Overflow 0

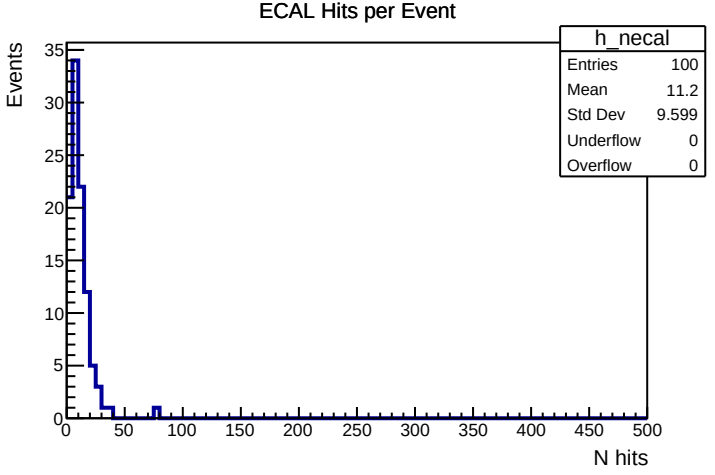

Trk Energy in L10 (log10(KeV))
trkenergy_L10
Entries 100
Mean 1.99
Std Dev 0.1207
Underflow 0
Overflow 0

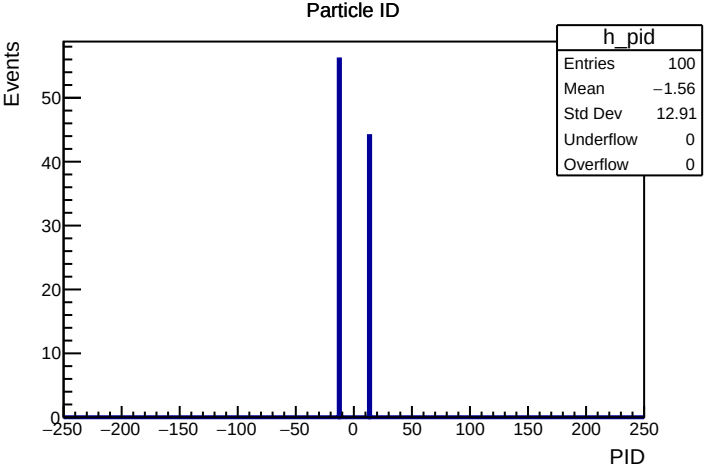

Trk Energy in L11 (log10(KeV))
trkenergy_L11
Entries 100
Mean 2.014
Std Dev 0.1309
Underflow 0
Overflow 0

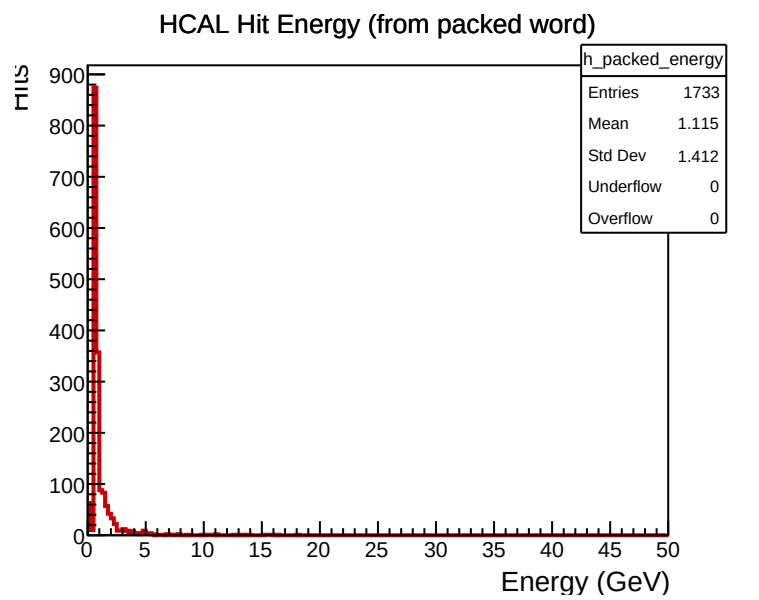

Trk Energy in L12 (log10(KeV))
trkenergy_L12
Entries 100
Mean 2.02
Std Dev 0.1634
Underflow 0
Overflow 0

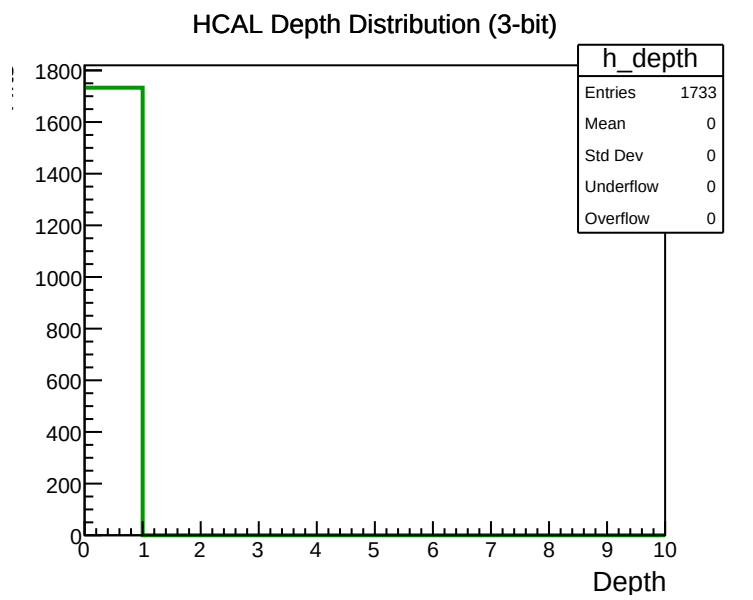

Generated Momentum
h_momin
Entries 100
Mean 53.55
Std Dev 27.09
Underflow 44
Overflow 0
Events
Momentum (GeV)


HCAL Hits per Event
h_nhits
Entries 100
Mean 17.33
Std Dev 2.933
Underflow 0
Overflow 0
Events
N hits


ECAL Hits per Event
h_necal
Entries 100
Mean 11.2
Std Dev 9.599
Underflow 0
Overflow 0
Events
N hits


Particle ID
h_pid
Entries 100
Mean −1.56
Std Dev 12.91
Underflow 0
Overflow 0
Events
PID


HCAL Hit Energy (from packed word)
h_packed_energy
Entries 1733
Mean 1.115
Std Dev 1.412
Underflow 0
Overflow 0
Hits
Energy (GeV)


HCAL Depth Distribution (3-bit)
h_depth
Entries 1733
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Depth