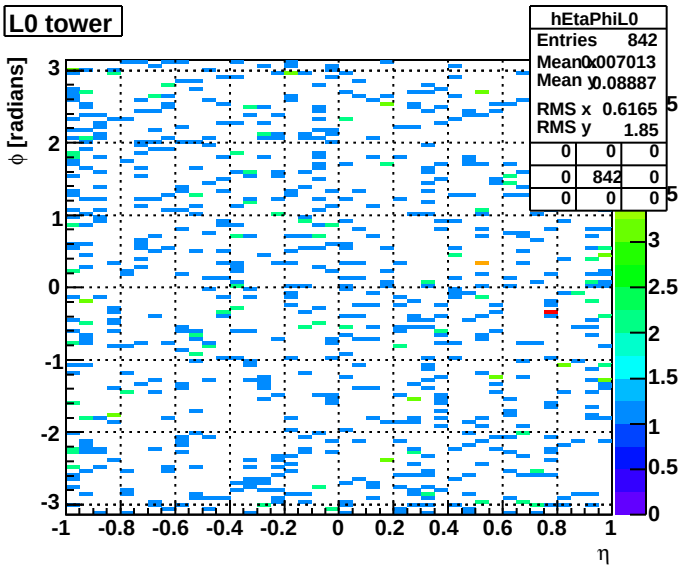
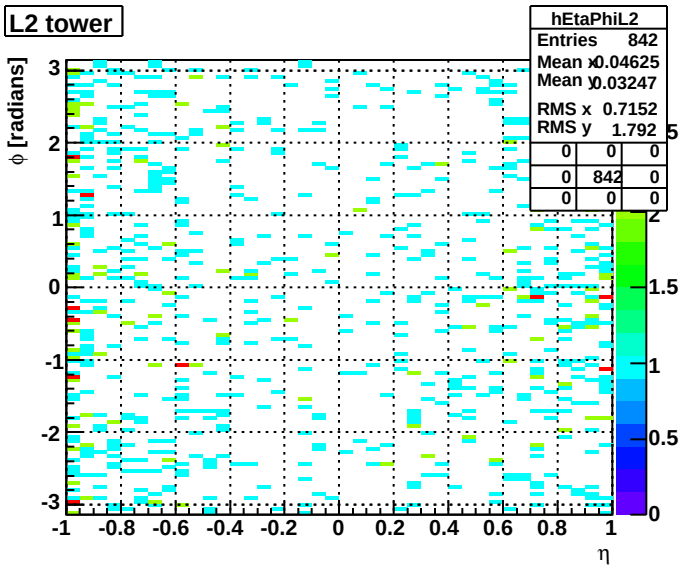
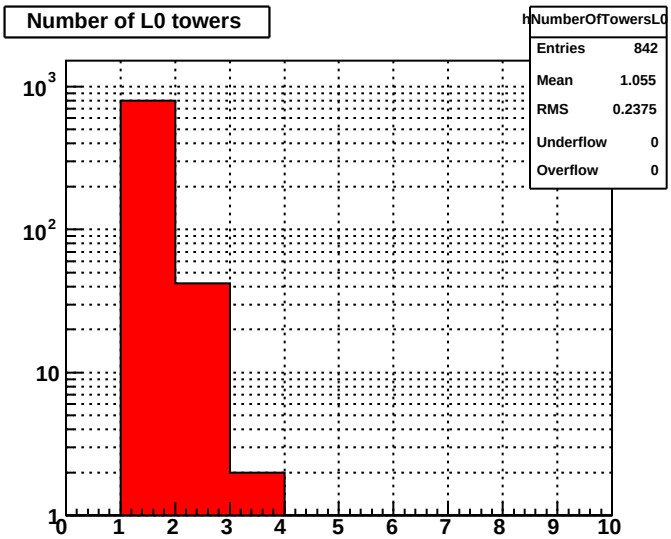
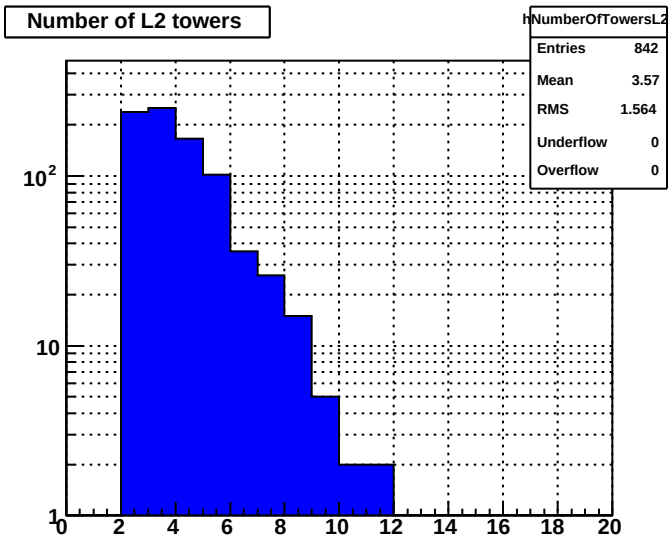
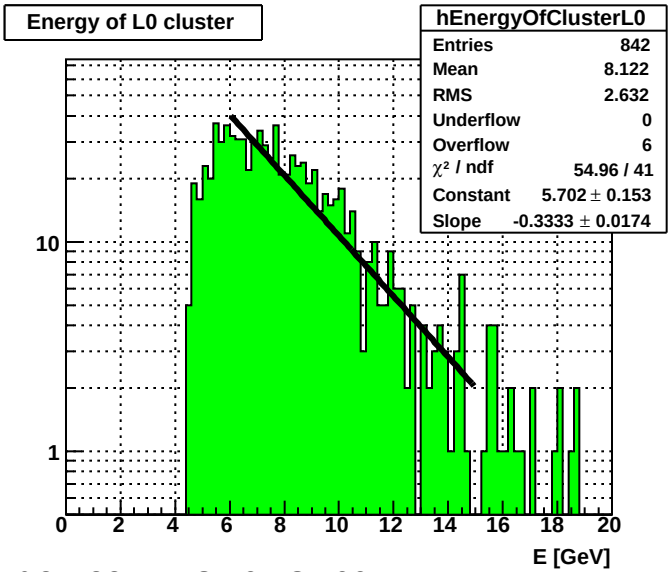
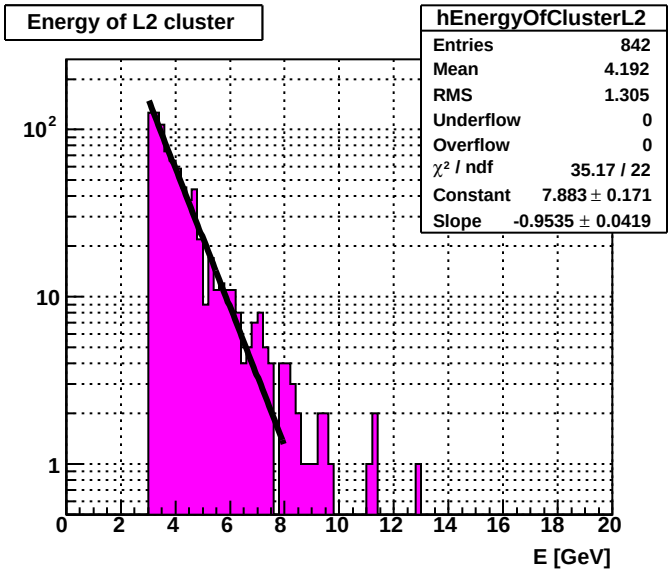

L0 tower
hEtaPhiL0
Entries 842
Mean x 0.007013
Mean y 0.08887
RMS x 0.6165
RMS y 1.85
φ [radians]
η

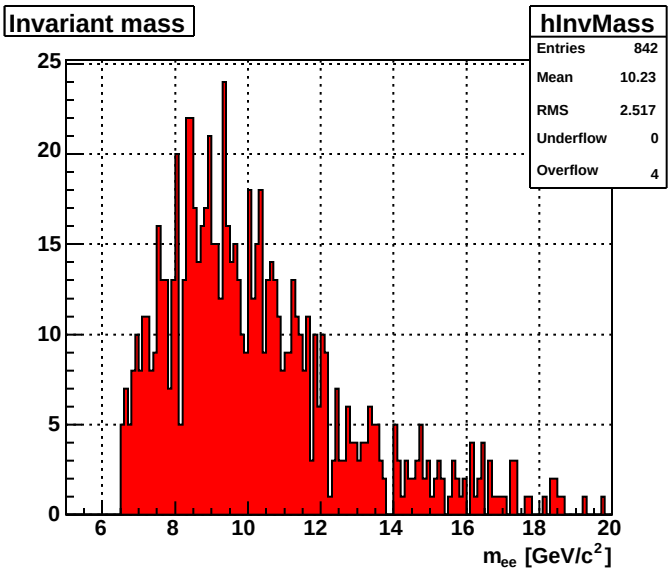

L2 tower
hEtaPhiL2
Entries 842
Mean x 0.04625
Mean y 0.03247
RMS x 0.7152
RMS y 1.792
φ [radians]
η

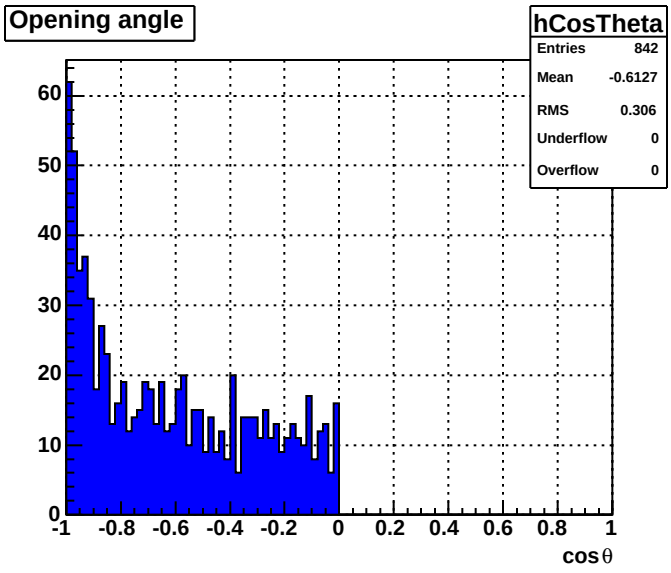

Number of L0 towers
hNumberOfTowersL0
Entries 842
Mean 1.055
RMS 0.2375
Underflow 0
Overflow 0

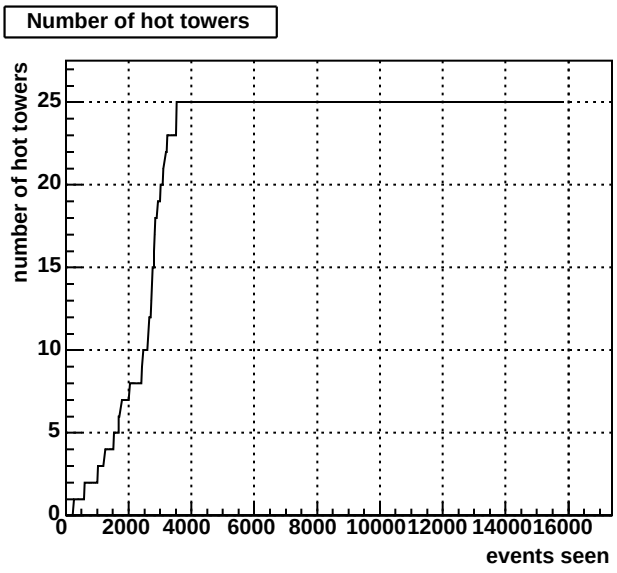

Number of L2 towers
hNumberOfTowersL2
Entries 842
Mean 3.57
RMS 1.564
Underflow 0
Overflow 0

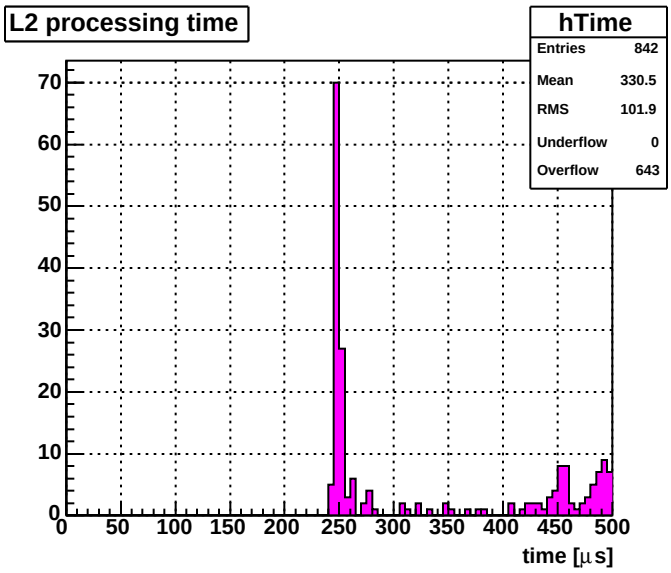

Energy of L0 cluster
hEnergyOfClusterL0
Entries 842
Mean 8.122
RMS 2.632
Underflow 0
Overflow 6
χ² / ndf 54.96 / 41
Constant 5.702 ± 0.153
Slope -0.3333 ± 0.0174
E [GeV]

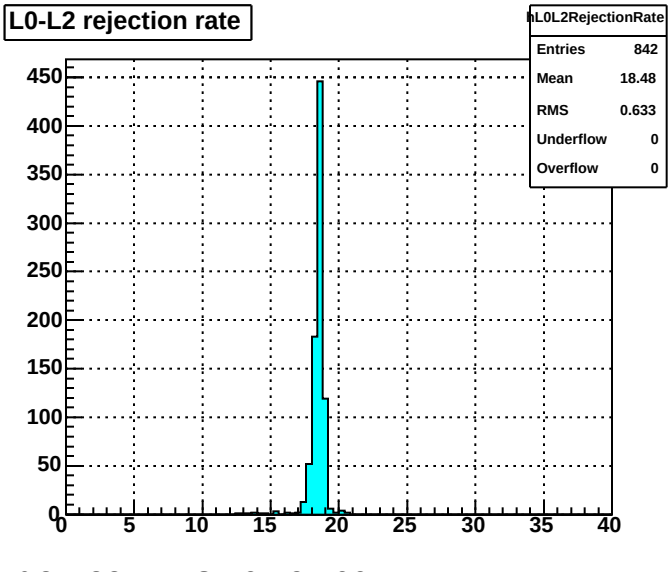

Energy of L2 cluster
hEnergyOfClusterL2
Entries 842
Mean 4.192
RMS 1.305
Underflow 0
Overflow 0
χ² / ndf 35.17 / 22
Constant 7.883 ± 0.171
Slope -0.9535 ± 0.0419
E [GeV]

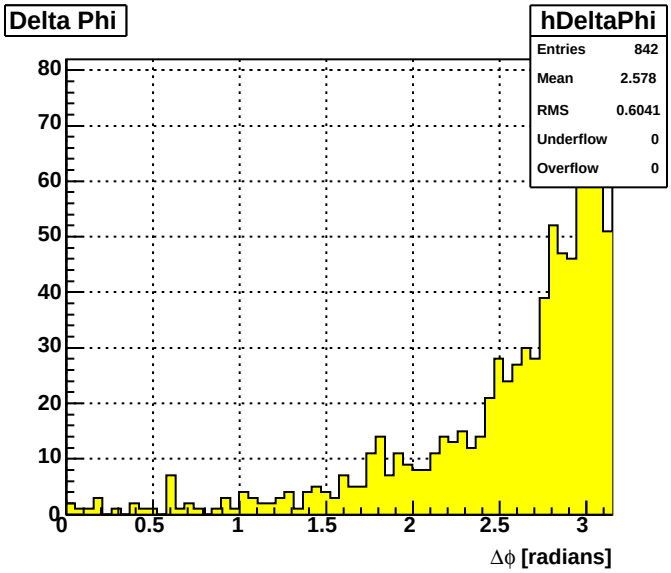

Invariant mass
hInvMass
Entries 842
Mean 10.23
RMS 2.517
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

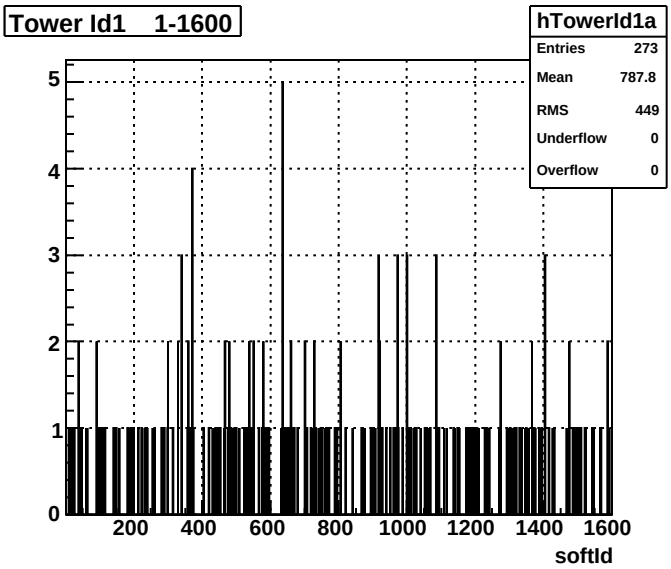

Opening angle
hCosTheta
Entries 842
Mean -0.6127
RMS 0.306
Underflow 0
Overflow 0
cos θ

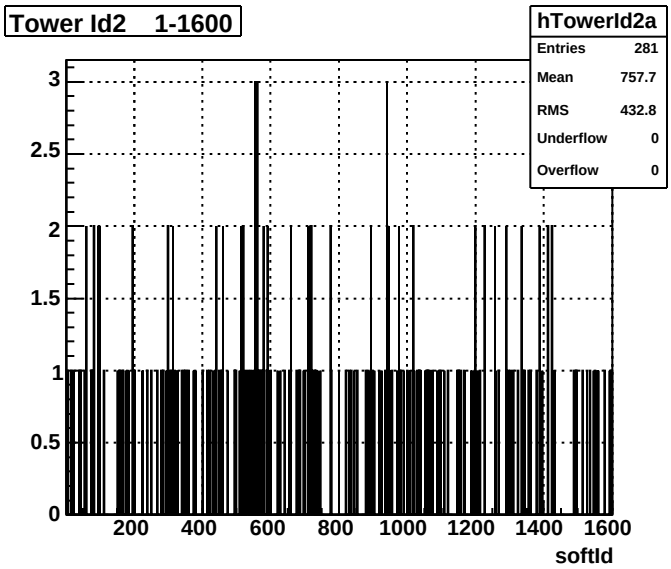

Number of hot towers
number of hot towers
events seen

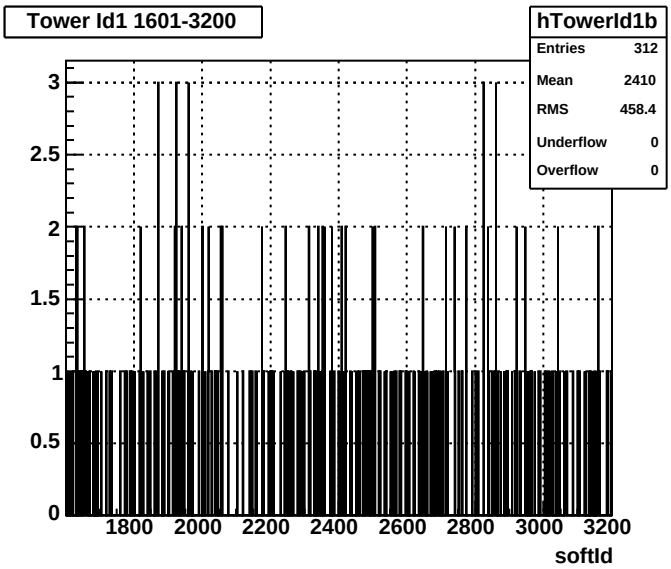

L2 processing time
hTime
Entries 842
Mean 330.5
RMS 101.9
Underflow 0
Overflow 643
time [μs]

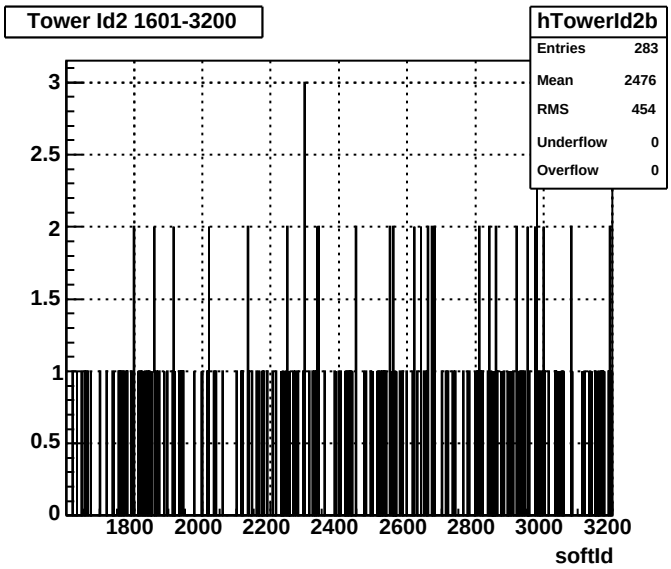

L0-L2 rejection rate
hL0L2RejectionRate
Entries 842
Mean 18.48
RMS 0.633
Underflow 0
Overflow 0

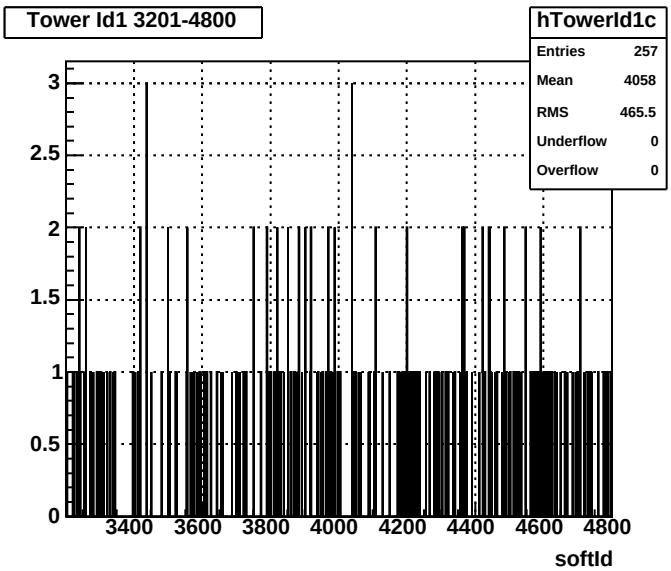

Delta Phi
hDeltaPhi
Entries 842
Mean 2.578
RMS 0.6041
Underflow 0
Overflow 0
Δφ [radians]

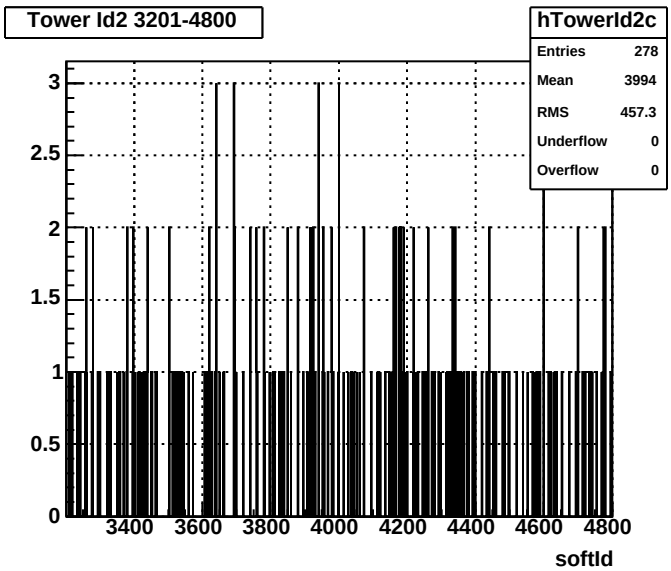

Tower Id1 1-1600
hTowerId1a
Entries 273
Mean 787.8
RMS 449
Underflow 0
Overflow 0
softId

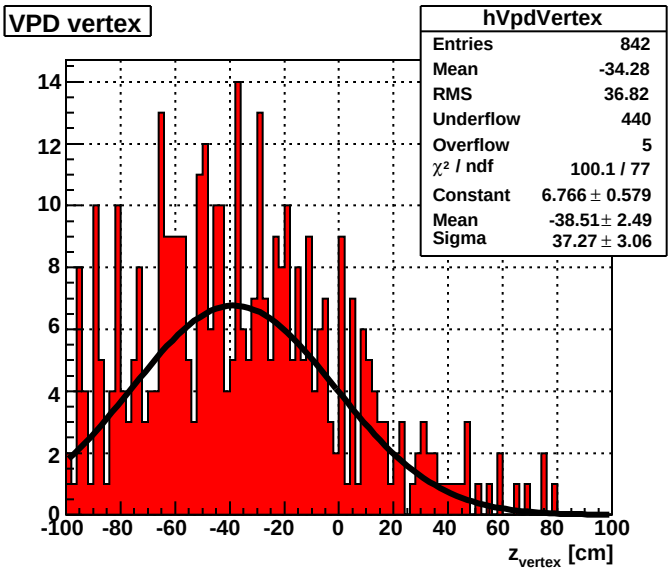

Tower Id2 1-1600
hTowerId2a
Entries 281
Mean 757.7
RMS 432.8
Underflow 0
Overflow 0
softId

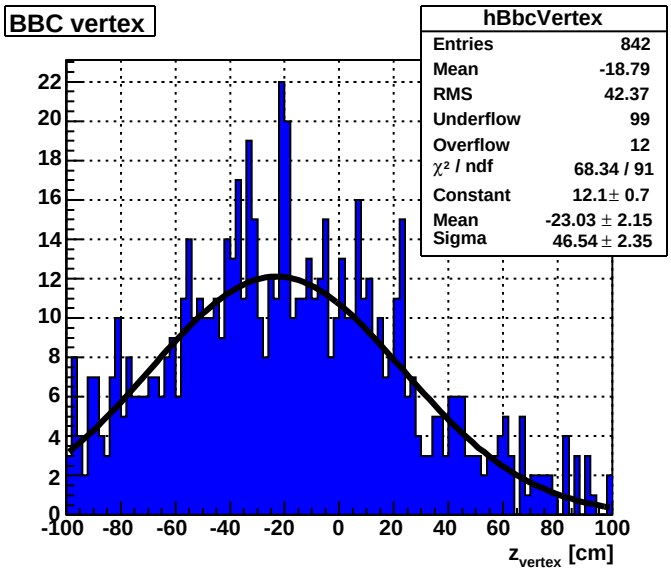

Tower Id1 1601-3200
hTowerId1b
Entries 312
Mean 2410
RMS 458.4
Underflow 0
Overflow 0
softId

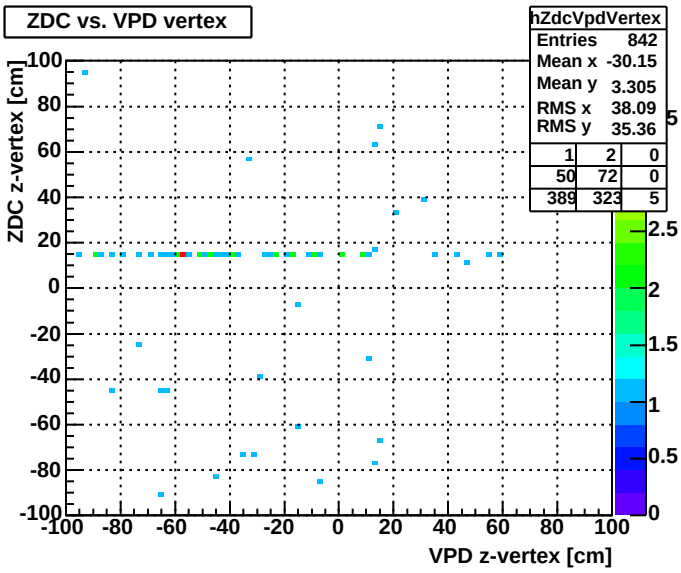

Tower Id2 1601-3200
hTowerId2b
Entries 283
Mean 2476
RMS 454
Underflow 0
Overflow 0
softId

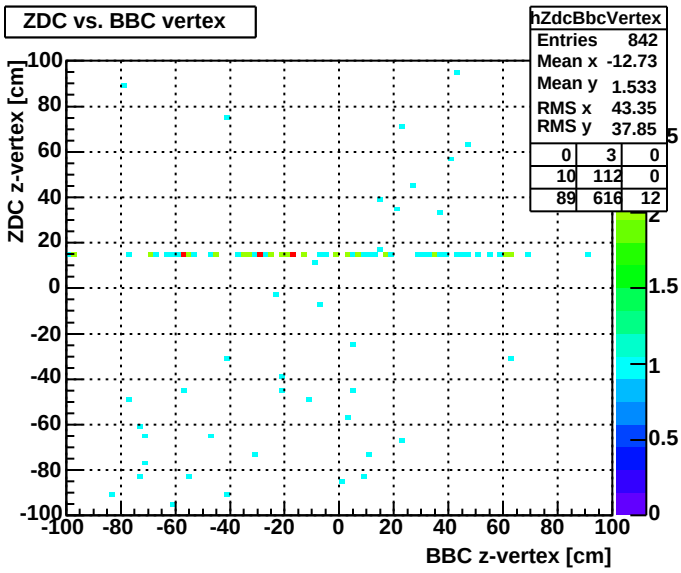

Tower Id1 3201-4800
hTowerId1c
Entries 257
Mean 4058
RMS 465.5
Underflow 0
Overflow 0
softId

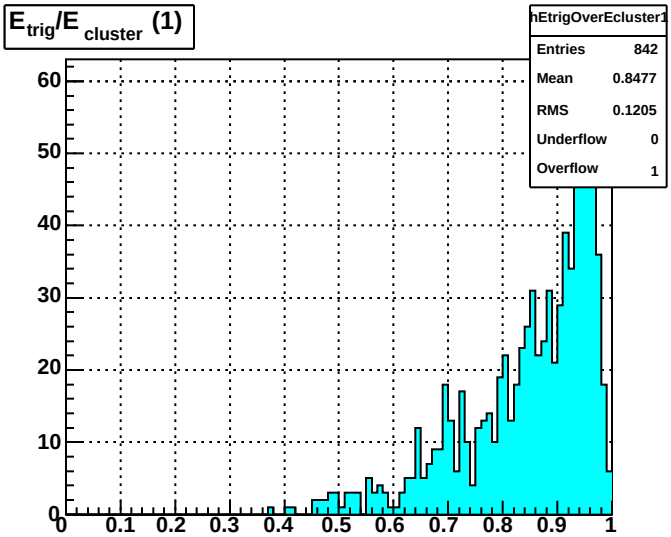

Tower Id2 3201-4800
hTowerId2c
Entries 278
Mean 3994
RMS 457.3
Underflow 0
Overflow 0
softId

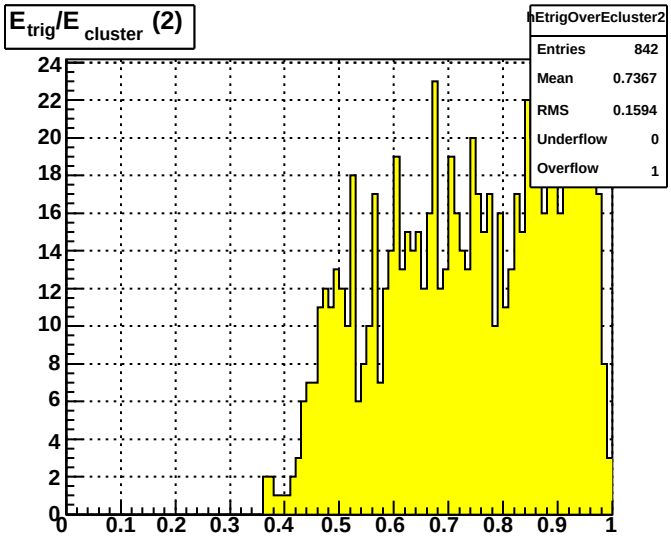

VPD vertex
hVpdVertex
Entries 842
Mean -34.28
RMS 36.82
Underflow 440
Overflow 5
χ² / ndf 100.1 / 77
Constant 6.766 ± 0.579
Mean -38.51 ± 2.49
Sigma 37.27 ± 3.06
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 842
Mean -18.79
RMS 42.37
Underflow 99
Overflow 12
χ² / ndf 68.34 / 91
Constant 12.1 ± 0.7
Mean -23.03 ± 2.15
Sigma 46.54 ± 2.35
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 842
Mean x -30.15
Mean y 3.305
RMS x 38.09
RMS y 35.36
1 2 0
50 72 0
389 323 5
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 842
Mean x -12.73
Mean y 1.533
RMS x 43.35
RMS y 37.85
0 3 0
10 112 0
89 616 12
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 842
Mean 0.8477
RMS 0.1205
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 842
Mean 0.7367
RMS 0.1594
Underflow 0
Overflow 1