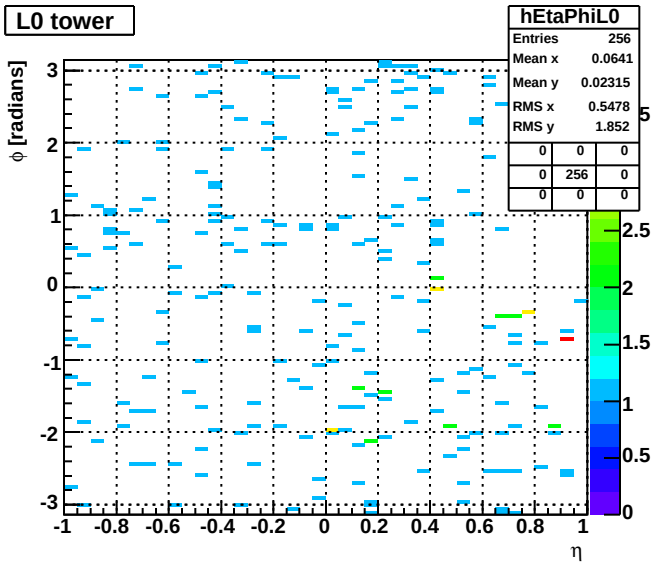
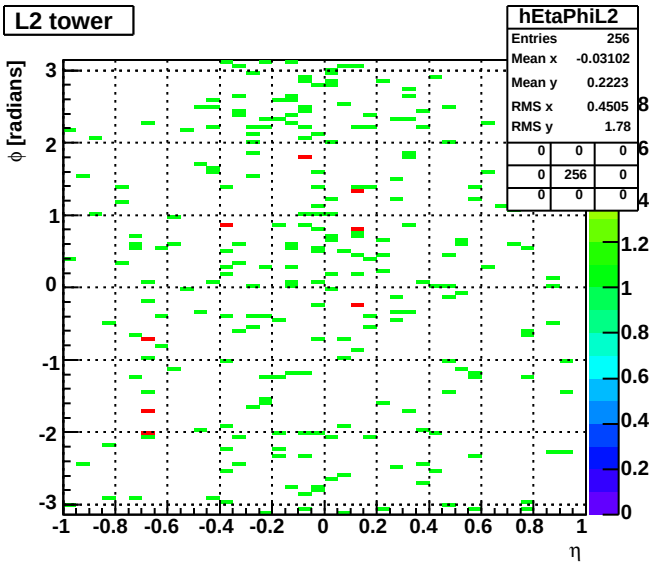
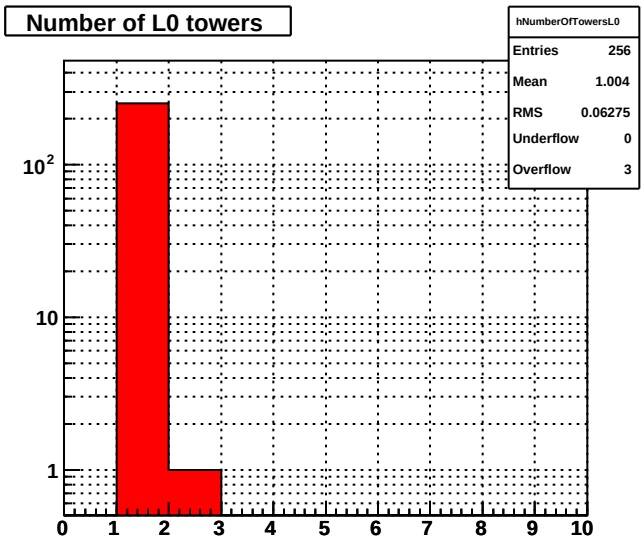
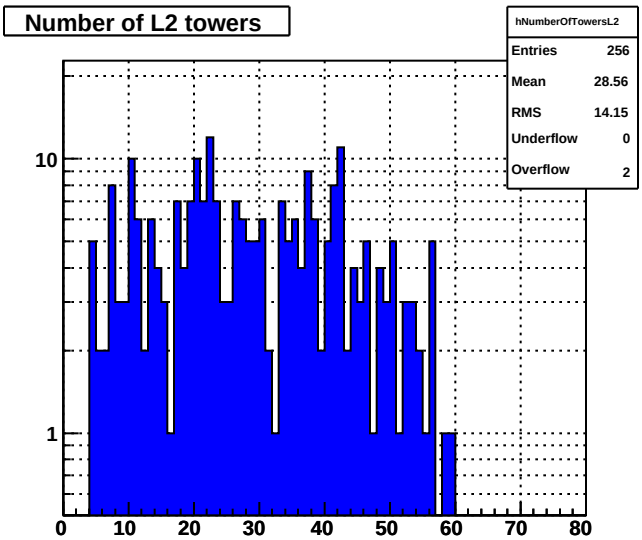
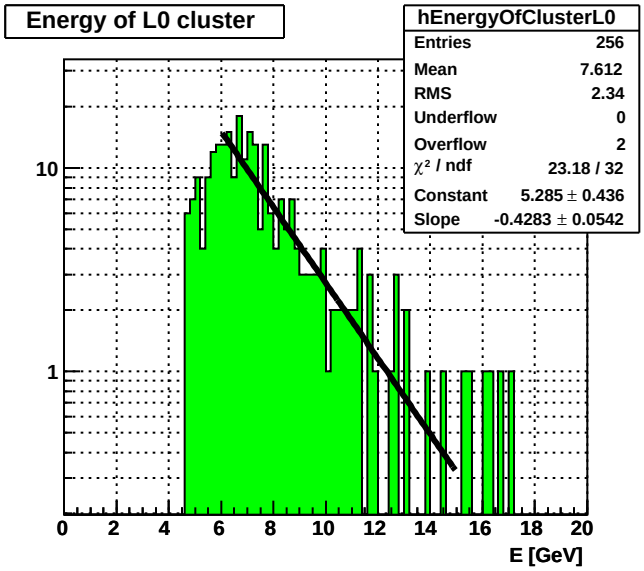
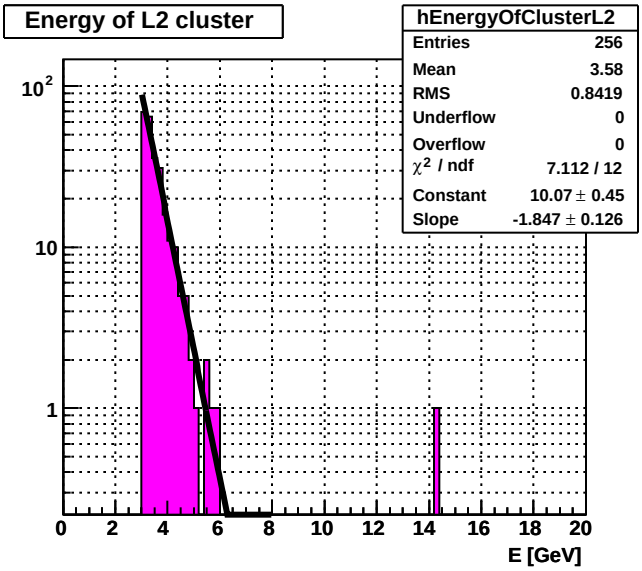

L0 tower
hEtaPhiL0
Entries 256
Mean x 0.0641
Mean y 0.02315
RMS x 0.5478
RMS y 1.852
φ [radians]
η

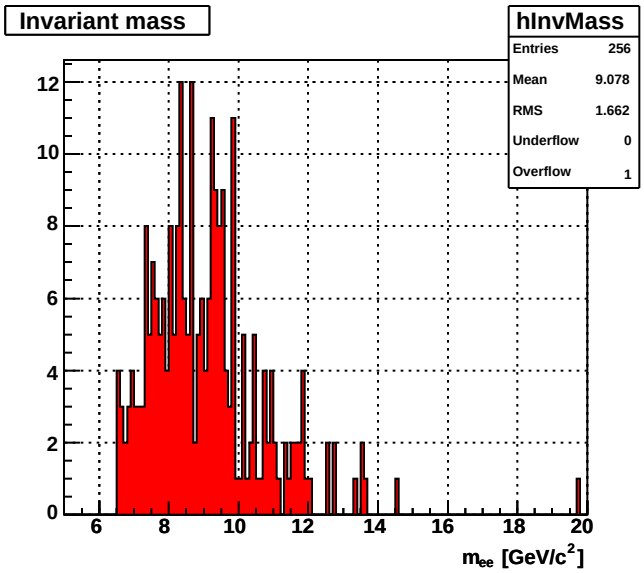

L2 tower
hEtaPhiL2
Entries 256
Mean x -0.03102
Mean y 0.2223
RMS x 0.4505
RMS y 1.78
φ [radians]
η

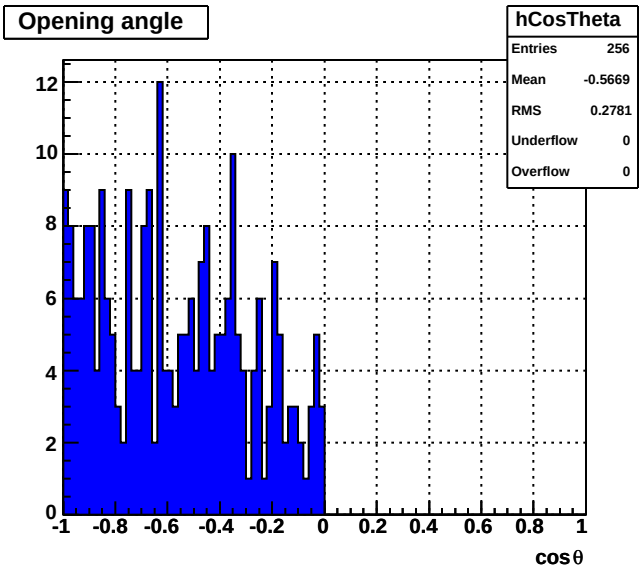

Number of L0 towers
hNumberOfTowersL0
Entries 256
Mean 1.004
RMS 0.06275
Underflow 0
Overflow 3

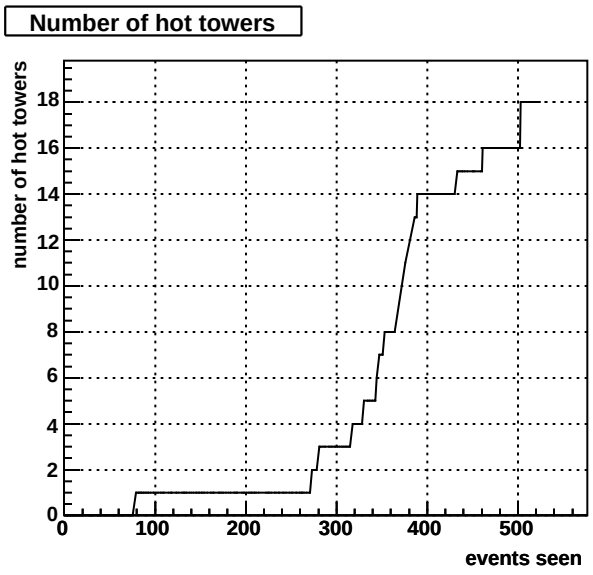

Number of L2 towers
hNumberOfTowersL2
Entries 256
Mean 28.56
RMS 14.15
Underflow 0
Overflow 2

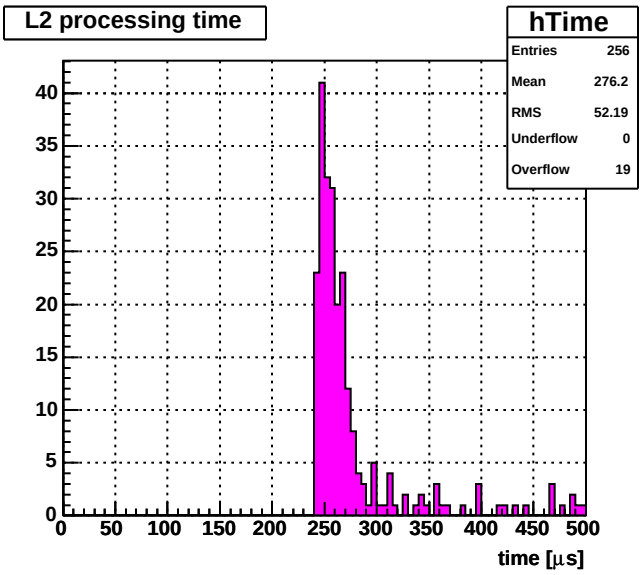

Energy of L0 cluster
hEnergyOfClusterL0
Entries 256
Mean 7.612
RMS 2.34
Underflow 0
Overflow 2
χ² / ndf 23.18 / 32
Constant 5.285 ± 0.436
Slope -0.4283 ± 0.0542
E [GeV]

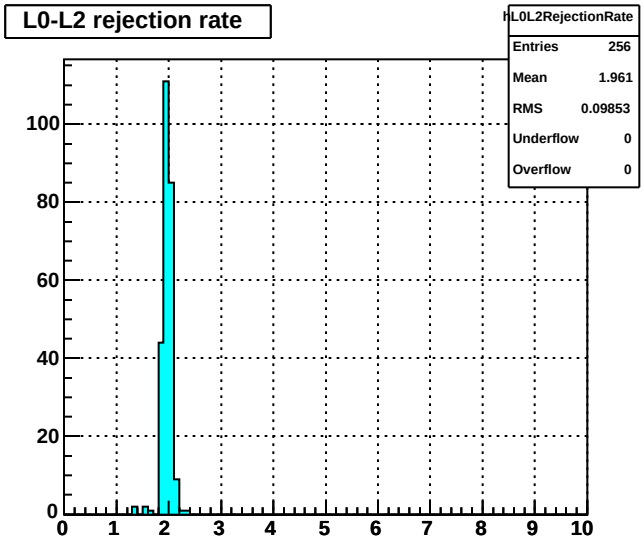

Energy of L2 cluster
hEnergyOfClusterL2
Entries 256
Mean 3.58
RMS 0.8419
Underflow 0
Overflow 0
χ² / ndf 7.112 / 12
Constant 10.07 ± 0.45
Slope -1.847 ± 0.126
E [GeV]

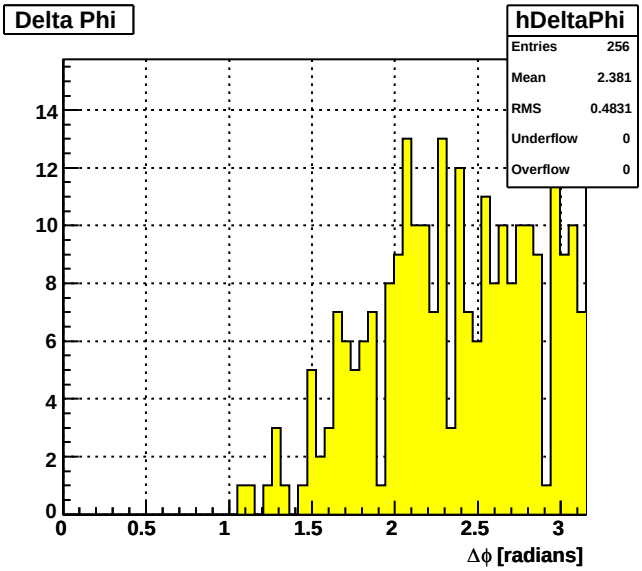

Invariant mass
hInvMass
Entries 256
Mean 9.078
RMS 1.662
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

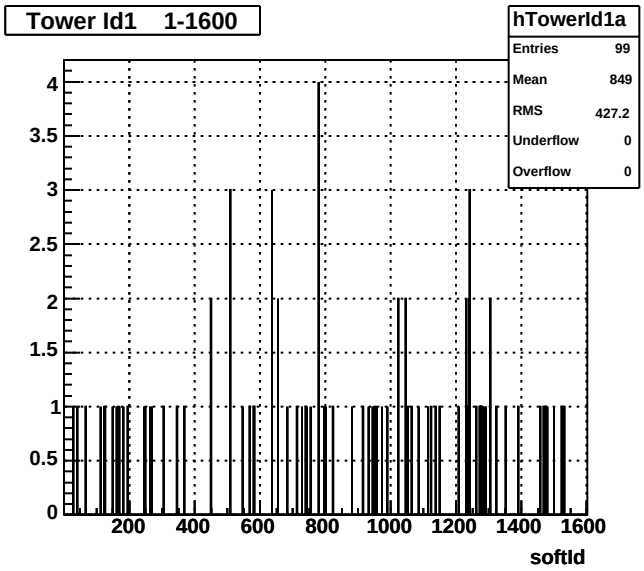

Opening angle
hCosTheta
Entries 256
Mean -0.5669
RMS 0.2781
Underflow 0
Overflow 0
cos θ

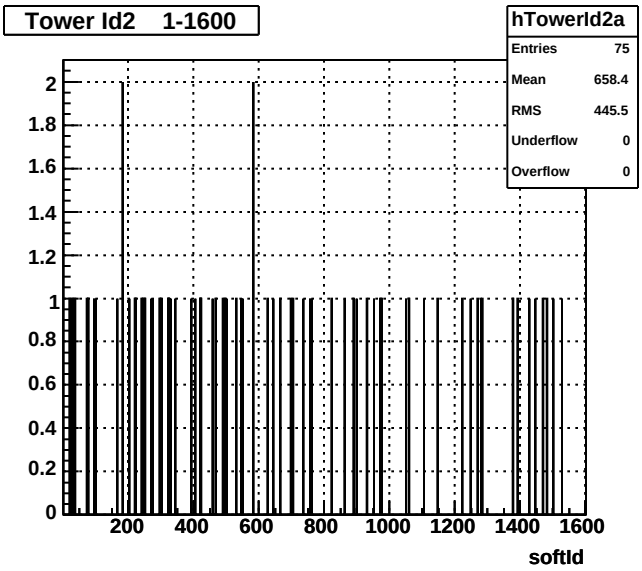

Number of hot towers
number of hot towers
events seen

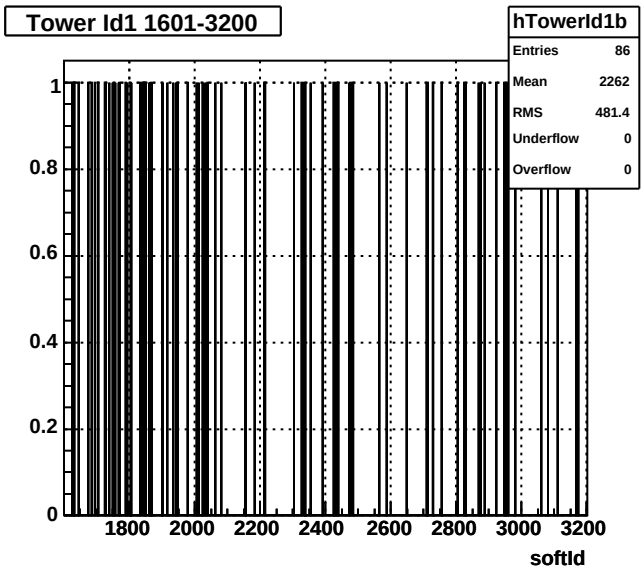

L2 processing time
hTime
Entries 256
Mean 276.2
RMS 52.19
Underflow 0
Overflow 19
time [μs]

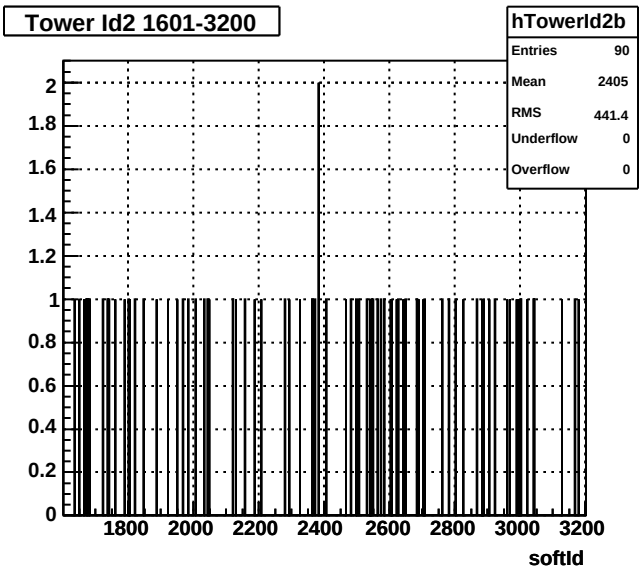

L0-L2 rejection rate
hL0L2RejectionRate
Entries 256
Mean 1.961
RMS 0.09853
Underflow 0
Overflow 0

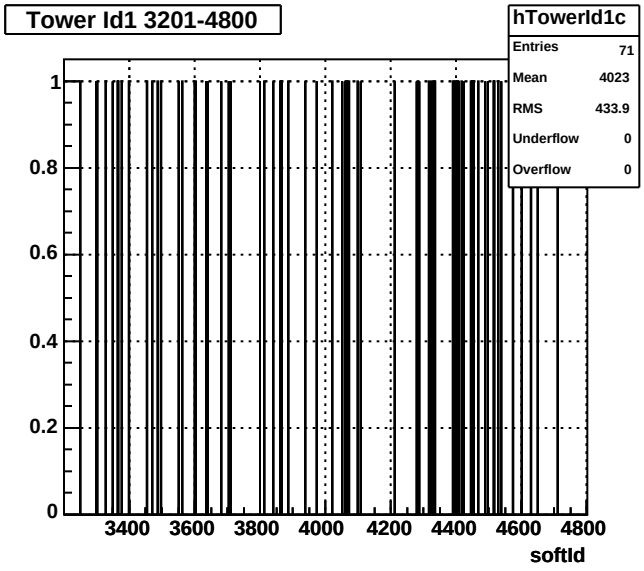

Delta Phi
hDeltaPhi
Entries 256
Mean 2.381
RMS 0.4831
Underflow 0
Overflow 0
Δφ [radians]

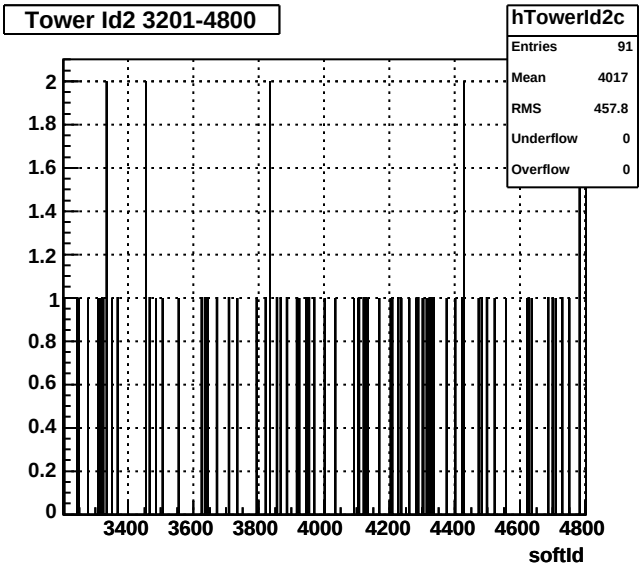

Tower Id1 1-1600
hTowerId1a
Entries 99
Mean 849
RMS 427.2
Underflow 0
Overflow 0
softId

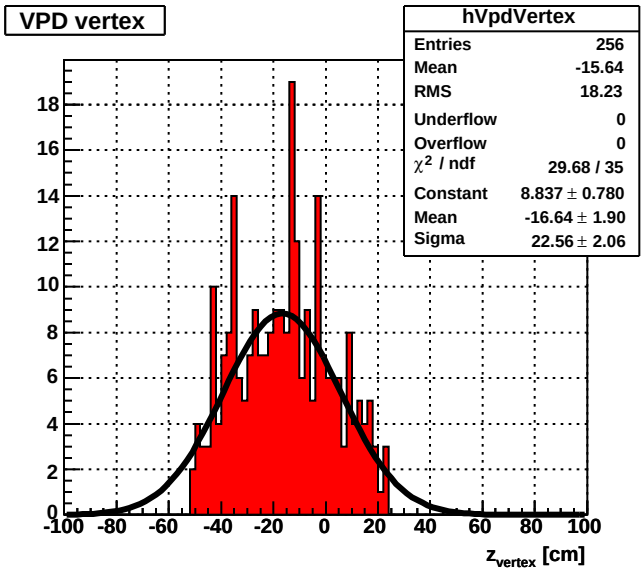

Tower Id2 1-1600
hTowerId2a
Entries 75
Mean 658.4
RMS 445.5
Underflow 0
Overflow 0
softId

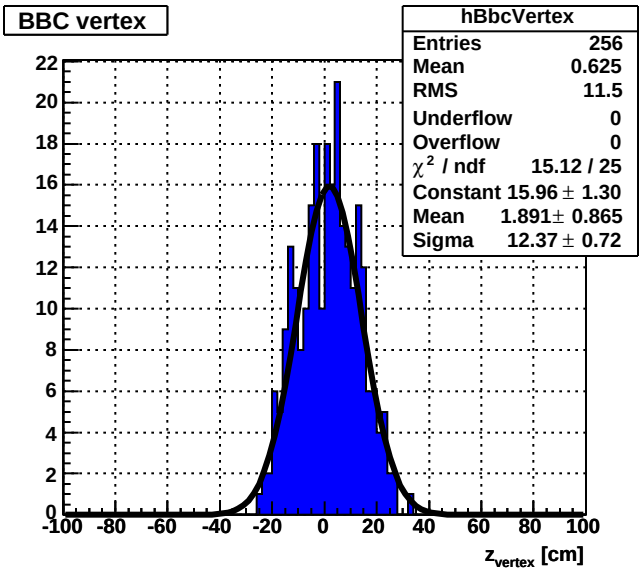

Tower Id1 1601-3200
hTowerId1b
Entries 86
Mean 2262
RMS 481.4
Underflow 0
Overflow 0
softId

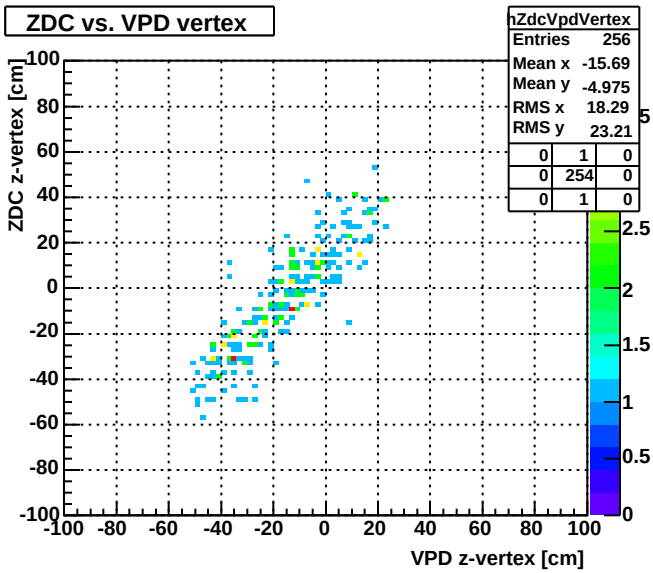

Tower Id2 1601-3200
hTowerId2b
Entries 90
Mean 2405
RMS 441.4
Underflow 0
Overflow 0
softId

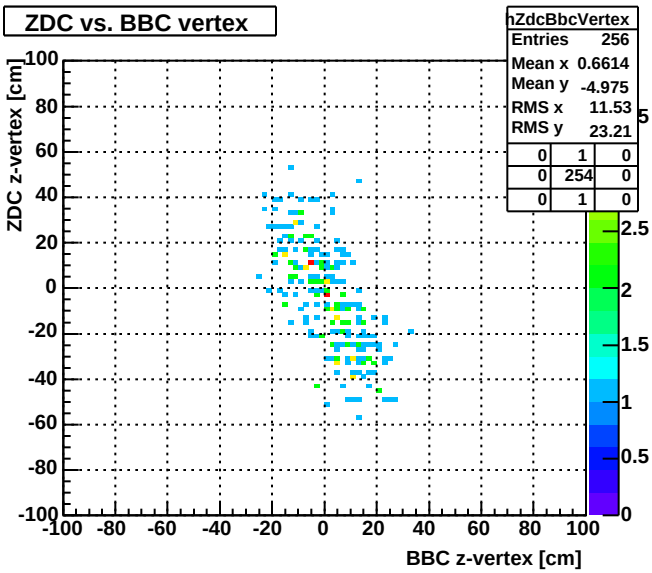

Tower Id1 3201-4800
hTowerId1c
Entries 71
Mean 4023
RMS 433.9
Underflow 0
Overflow 0
softId

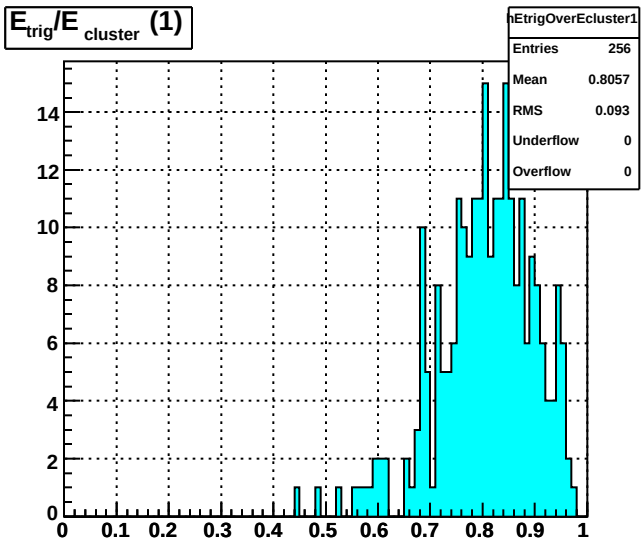

Tower Id2 3201-4800
hTowerId2c
Entries 91
Mean 4017
RMS 457.8
Underflow 0
Overflow 0
softId

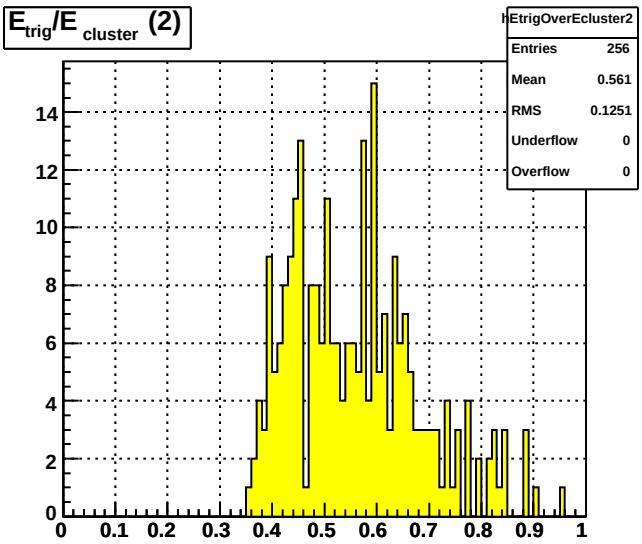

VPD vertex
hVpdVertex
Entries 256
Mean -15.64
RMS 18.23
Underflow 0
Overflow 0
χ² / ndf 29.68 / 35
Constant 8.837 ± 0.780
Mean -16.64 ± 1.90
Sigma 22.56 ± 2.06
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 256
Mean 0.625
RMS 11.5
Underflow 0
Overflow 0
χ² / ndf 15.12 / 25
Constant 15.96 ± 1.30
Mean 1.891 ± 0.865
Sigma 12.37 ± 0.72
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 256
Mean x -15.69
Mean y -4.975
RMS x 18.29
RMS y 23.21
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 256
Mean x 0.6614
Mean y -4.975
RMS x 11.53
RMS y 23.21
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 256
Mean 0.8057
RMS 0.093
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 256
Mean 0.561
RMS 0.1251
Underflow 0
Overflow 0