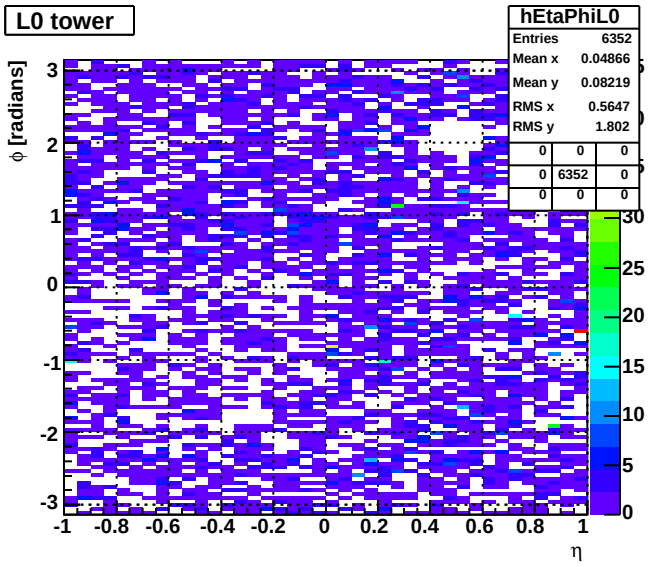
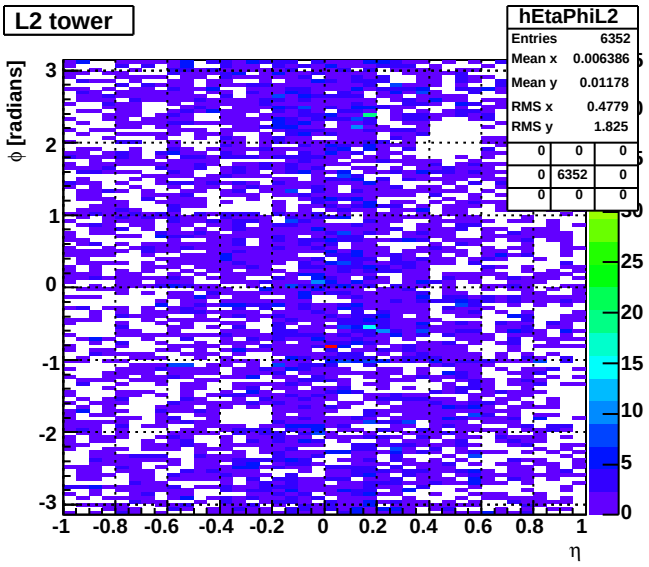
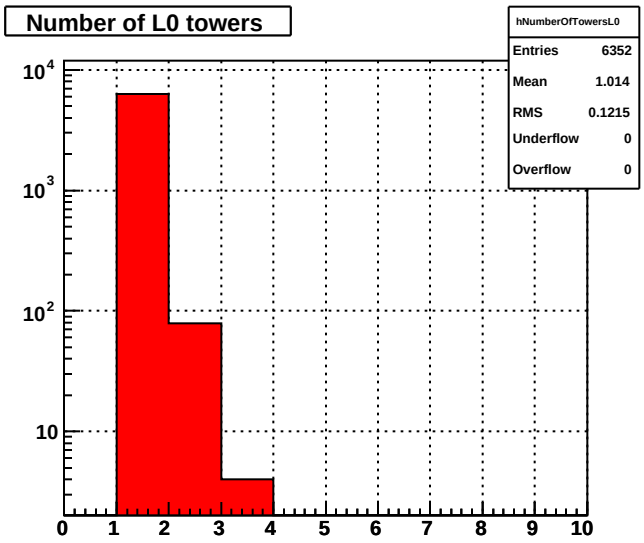
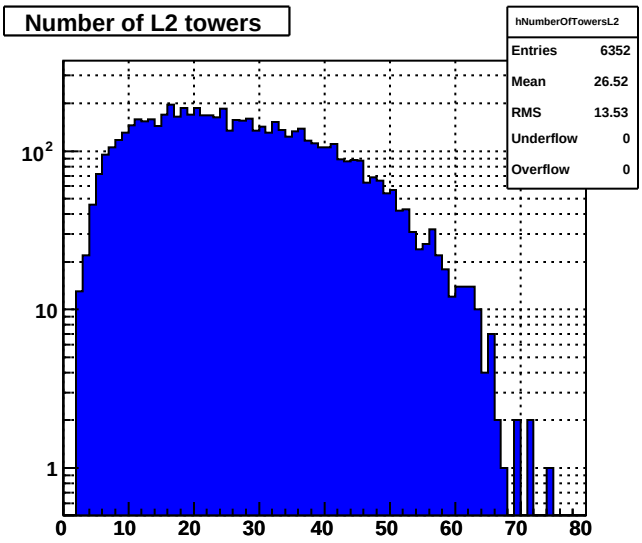
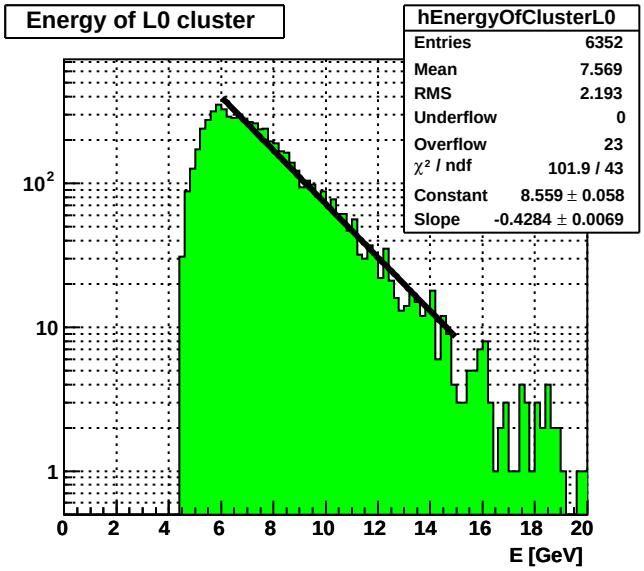
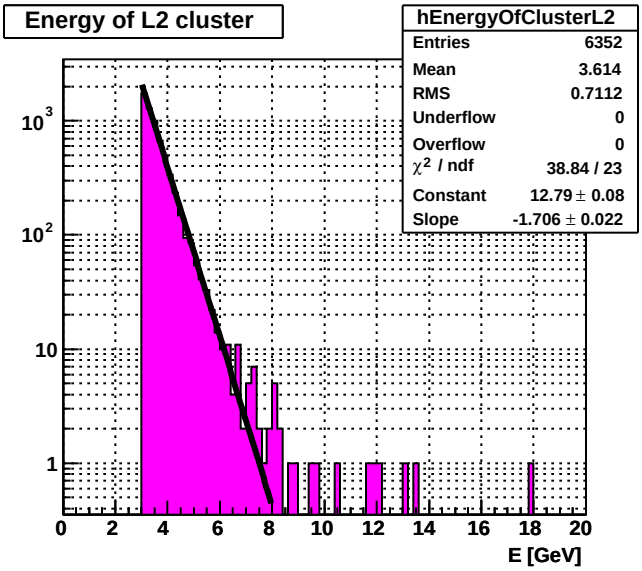

L0 tower
hEtaPhiL0
Entries 6352
Mean x 0.04866
Mean y 0.08219
RMS x 0.5647
RMS y 1.802
φ [radians]
η

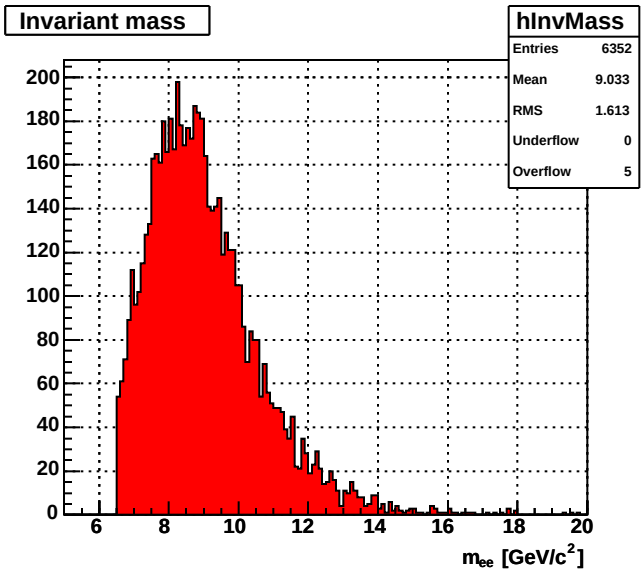

L2 tower
hEtaPhiL2
Entries 6352
Mean x 0.006386
Mean y 0.01178
RMS x 0.4779
RMS y 1.825
φ [radians]
η

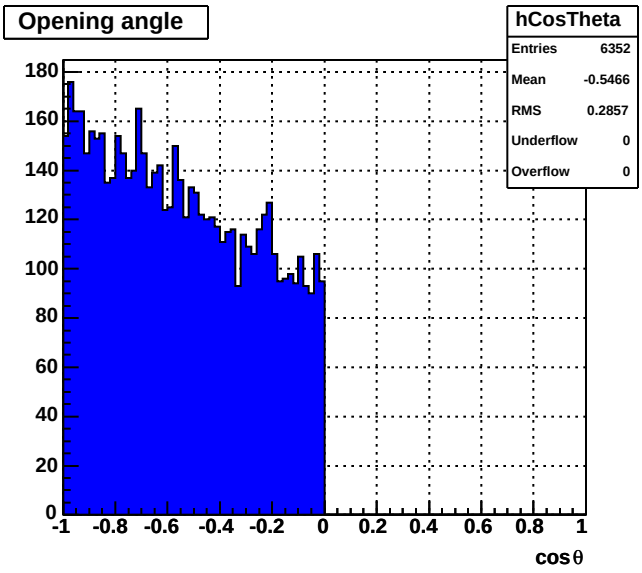

Number of L0 towers
hNumberOfTowersL0
Entries 6352
Mean 1.014
RMS 0.1215
Underflow 0
Overflow 0

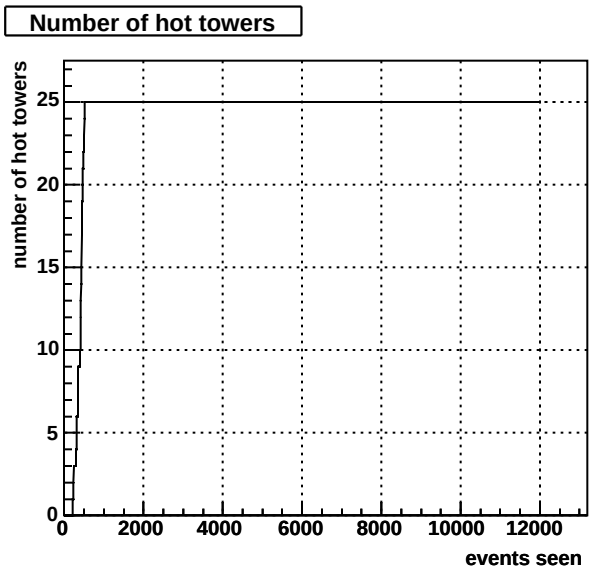

Number of L2 towers
hNumberOfTowersL2
Entries 6352
Mean 26.52
RMS 13.53
Underflow 0
Overflow 0

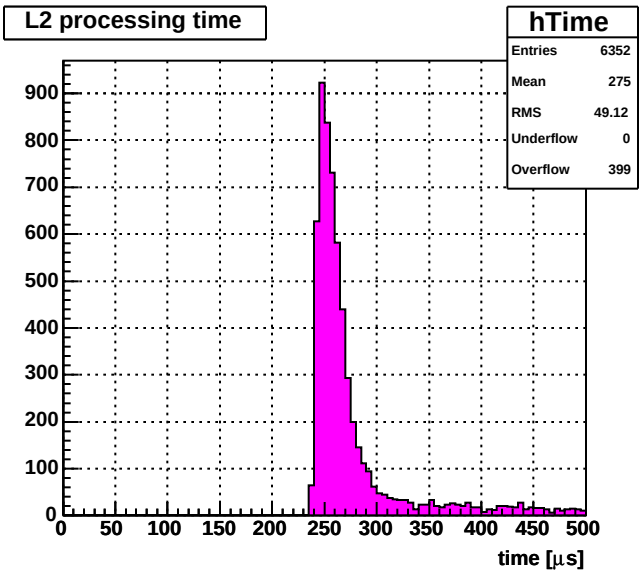

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6352
Mean 7.569
RMS 2.193
Underflow 0
Overflow 23
χ² / ndf 101.9 / 43
Constant 8.559 ± 0.058
Slope -0.4284 ± 0.0069
E [GeV]

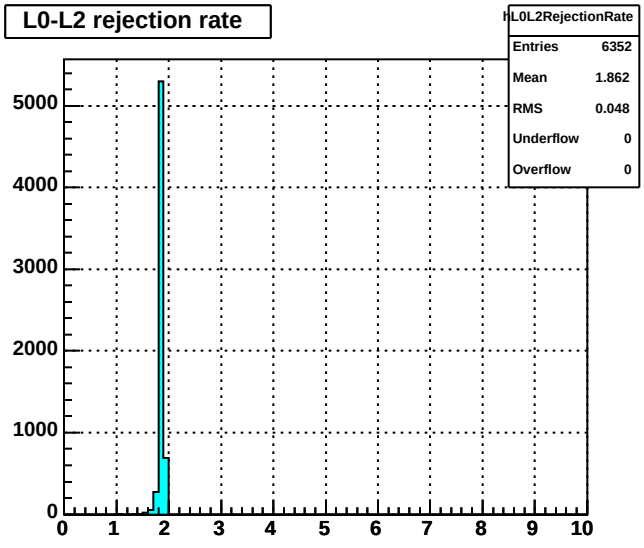

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6352
Mean 3.614
RMS 0.7112
Underflow 0
Overflow 0
χ² / ndf 38.84 / 23
Constant 12.79 ± 0.08
Slope -1.706 ± 0.022
E [GeV]

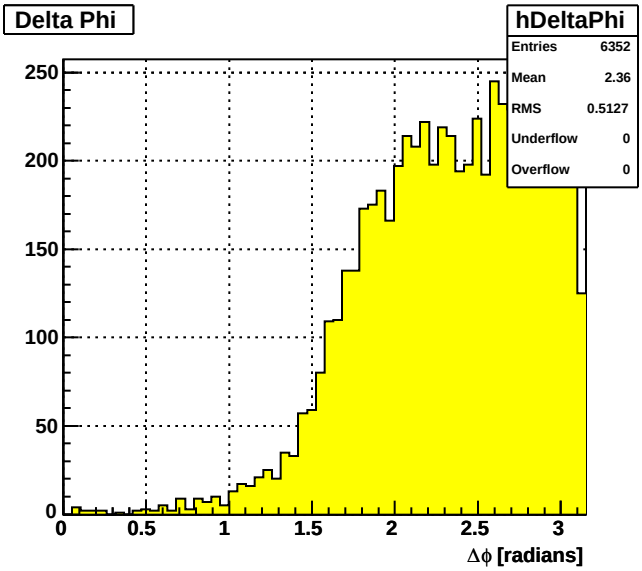

Invariant mass
hInvMass
Entries 6352
Mean 9.033
RMS 1.613
Underflow 0
Overflow 5
m_{ee} [GeV/c^2]

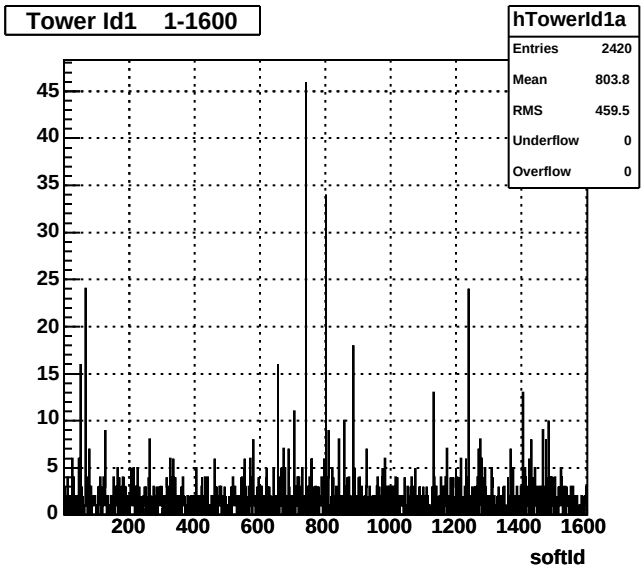

Opening angle
hCosTheta
Entries 6352
Mean -0.5466
RMS 0.2857
Underflow 0
Overflow 0
cos θ

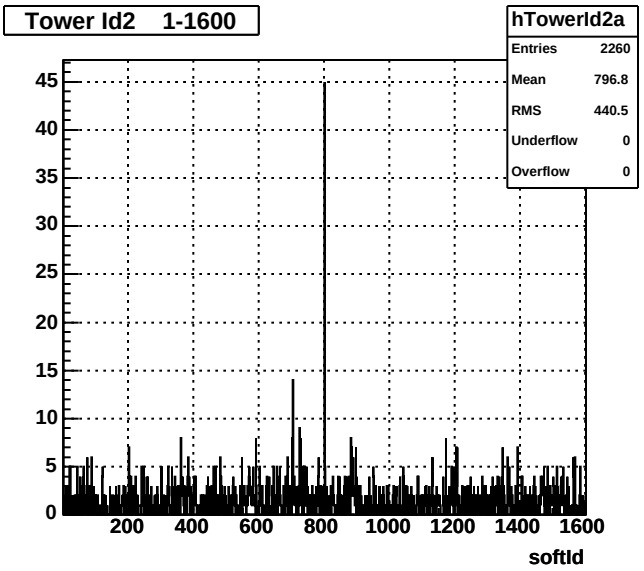

Number of hot towers
number of hot towers
events seen

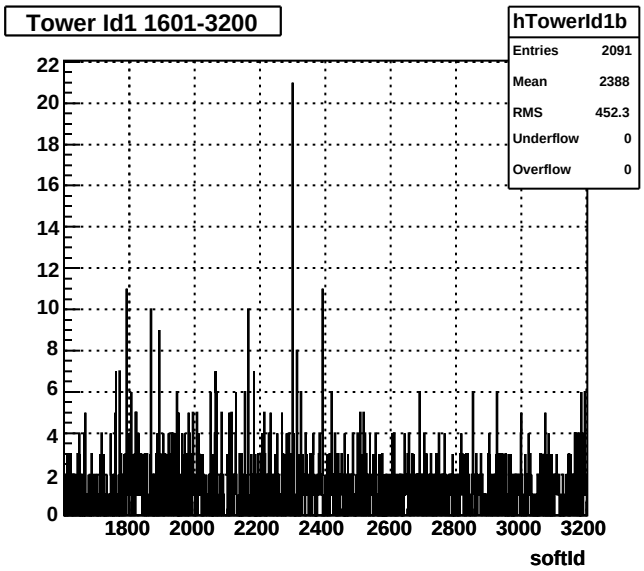

L2 processing time
hTime
Entries 6352
Mean 275
RMS 49.12
Underflow 0
Overflow 399
time [μs]

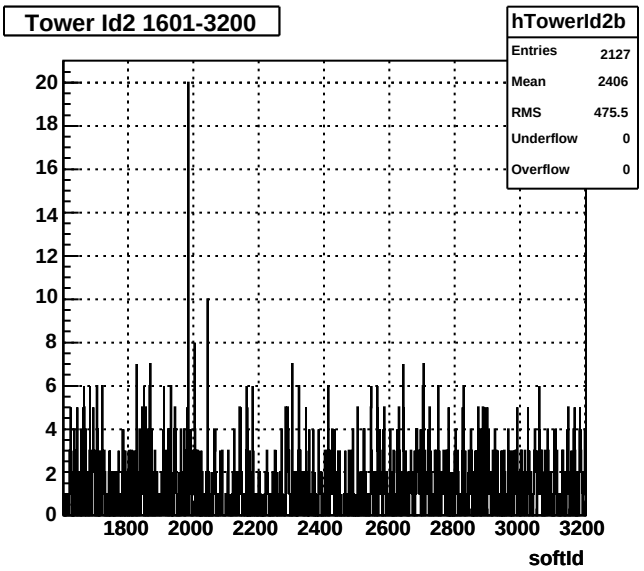

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6352
Mean 1.862
RMS 0.048
Underflow 0
Overflow 0

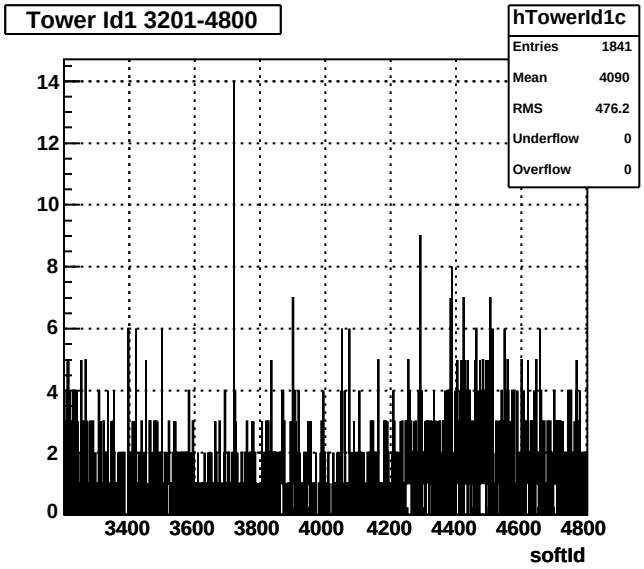

Delta Phi
hDeltaPhi
Entries 6352
Mean 2.36
RMS 0.5127
Underflow 0
Overflow 0
Δϕ [radians]

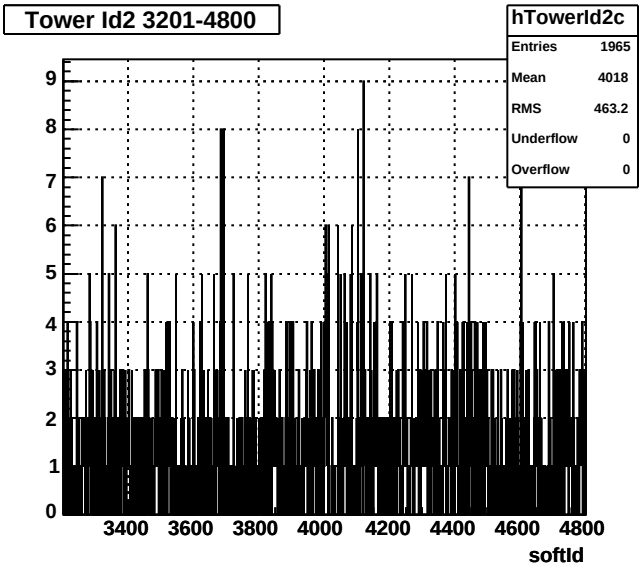

Tower Id1 1-1600
hTowerId1a
Entries 2420
Mean 803.8
RMS 459.5
Underflow 0
Overflow 0
softId

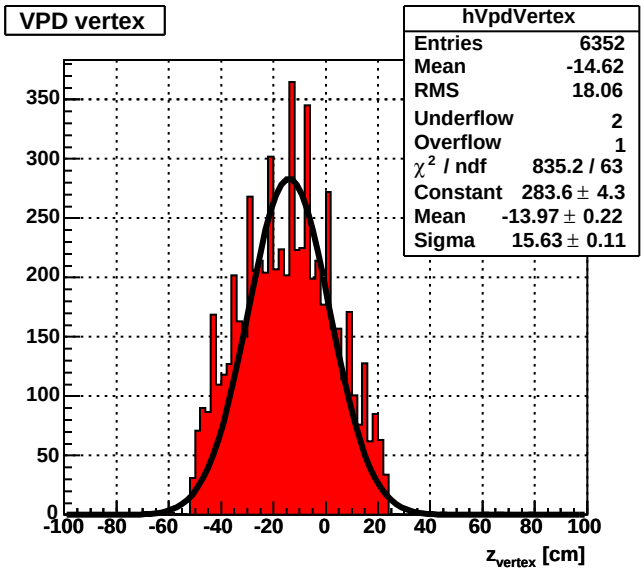

Tower Id2 1-1600
hTowerId2a
Entries 2260
Mean 796.8
RMS 440.5
Underflow 0
Overflow 0
softId

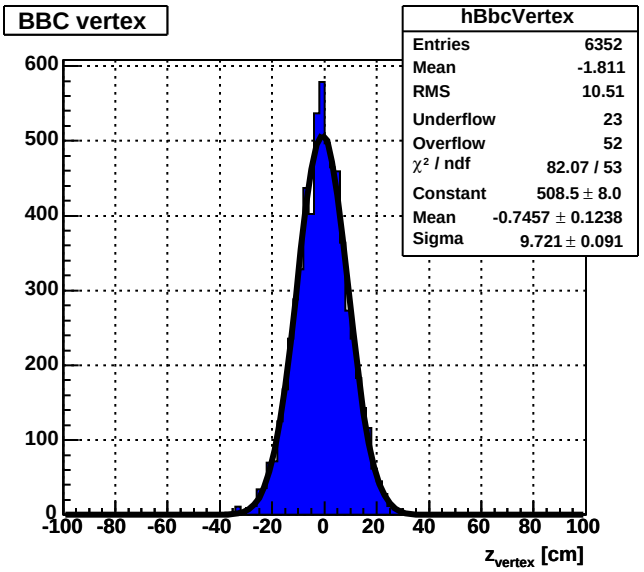

Tower Id1 1601-3200
hTowerId1b
Entries 2091
Mean 2388
RMS 452.3
Underflow 0
Overflow 0
softId

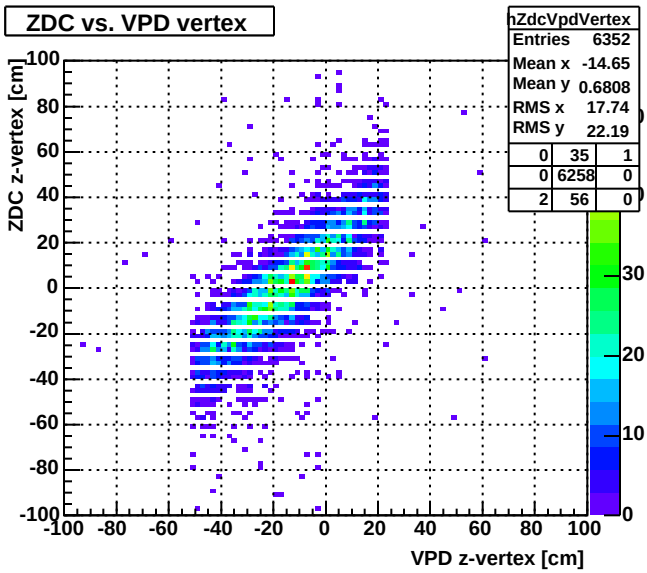

Tower Id2 1601-3200
hTowerId2b
Entries 2127
Mean 2406
RMS 475.5
Underflow 0
Overflow 0
softId

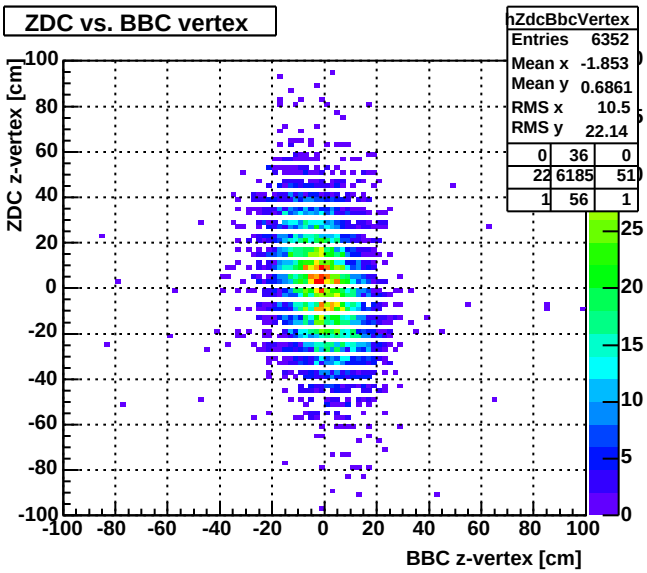

Tower Id1 3201-4800
hTowerId1c
Entries 1841
Mean 4090
RMS 476.2
Underflow 0
Overflow 0
softId

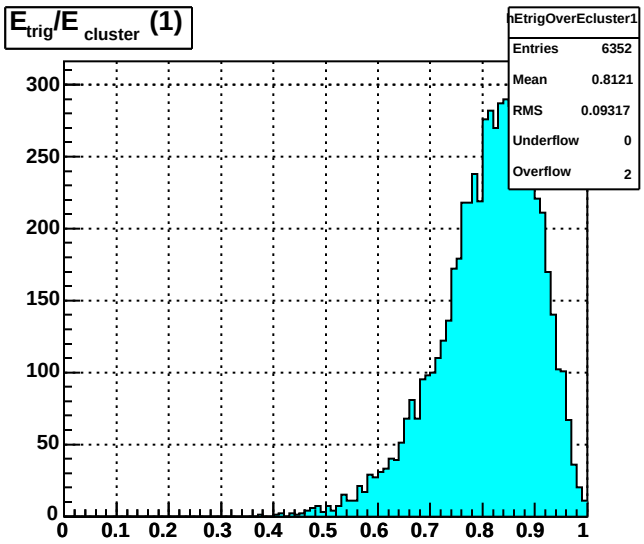

Tower Id2 3201-4800
hTowerId2c
Entries 1965
Mean 4018
RMS 463.2
Underflow 0
Overflow 0
softId

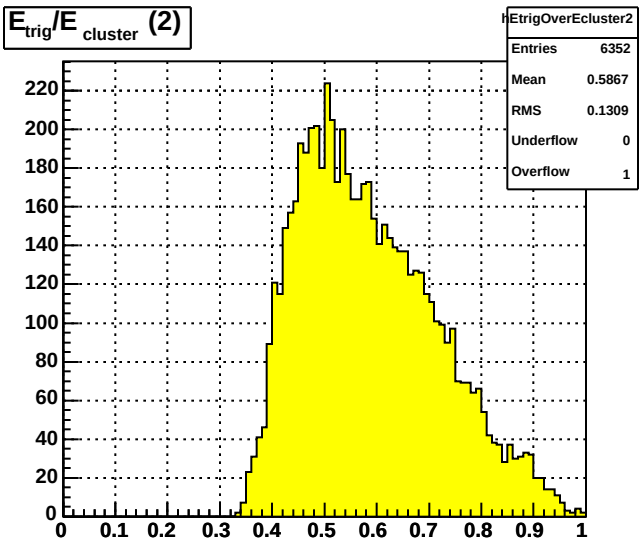

VPD vertex
hVpdVertex
Entries 6352
Mean -14.62
RMS 18.06
Underflow 2
Overflow 1
χ² / ndf 835.2 / 63
Constant 283.6 ± 4.3
Mean -13.97 ± 0.22
Sigma 15.63 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6352
Mean -1.811
RMS 10.51
Underflow 23
Overflow 52
χ² / ndf 82.07 / 53
Constant 508.5 ± 8.0
Mean -0.7457 ± 0.1238
Sigma 9.721 ± 0.091
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6352
Mean x -14.65
Mean y 0.6808
RMS x 17.74
RMS y 22.19
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6352
Mean x -1.853
Mean y 0.6861
RMS x 10.5
RMS y 22.14
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6352
Mean 0.8121
RMS 0.09317
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6352
Mean 0.5867
RMS 0.1309
Underflow 0
Overflow 1