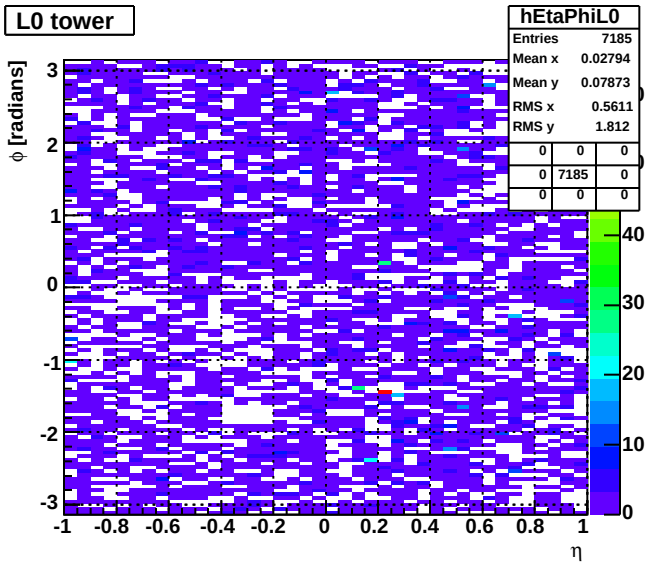
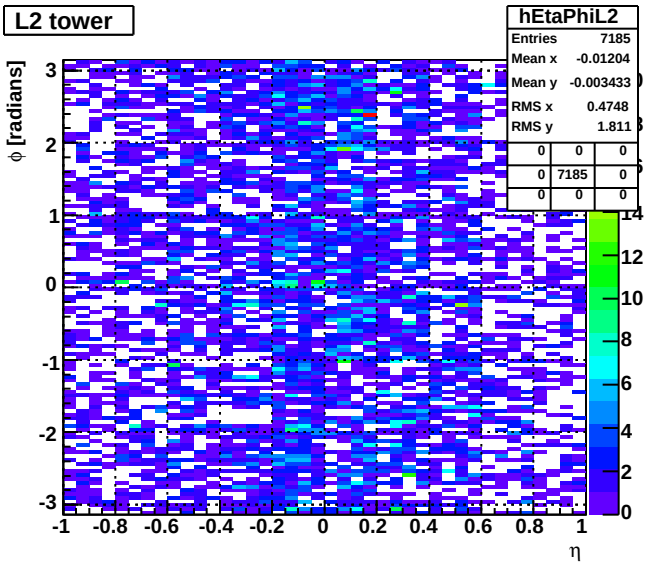
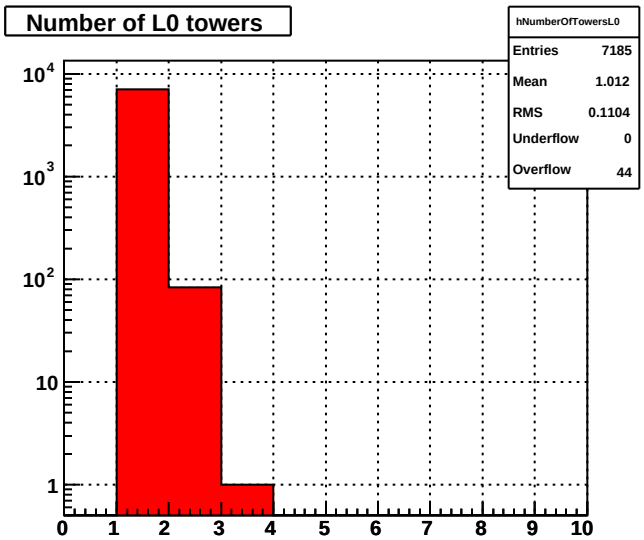
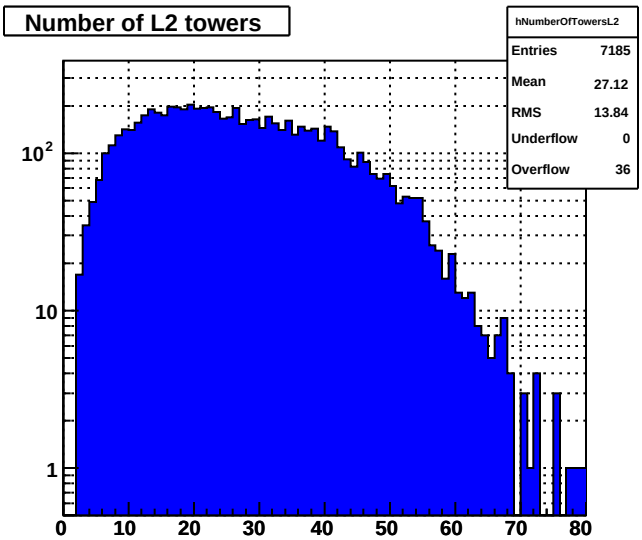
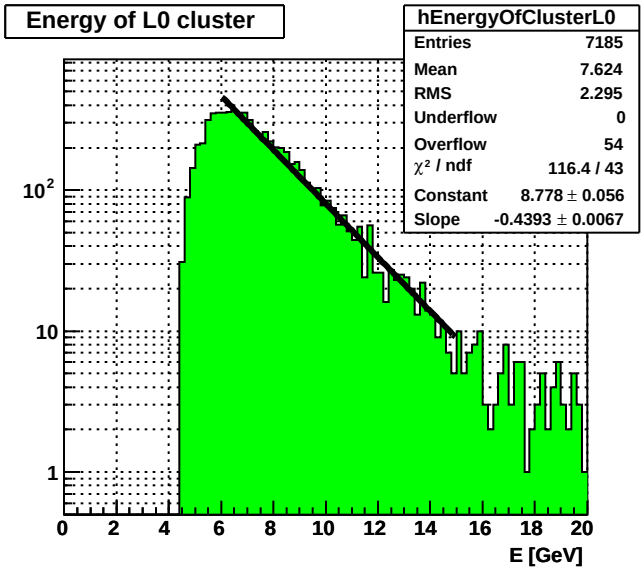
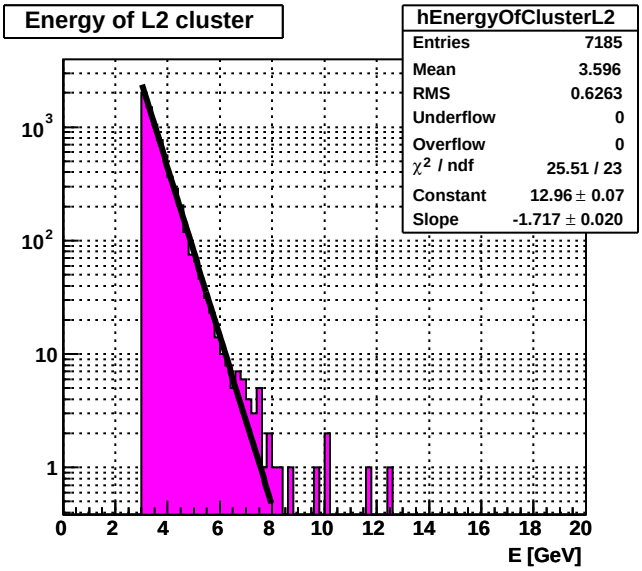

L0 tower
hEtaPhiL0
Entries 7185
Mean x 0.02794
Mean y 0.07873
RMS x 0.5611
RMS y 1.812
φ [radians]
η

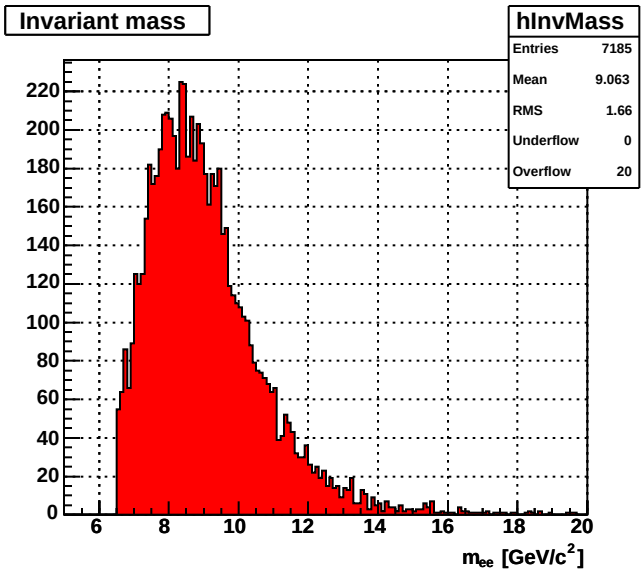

L2 tower
hEtaPhiL2
Entries 7185
Mean x -0.01204
Mean y -0.003433
RMS x 0.4748
RMS y 1.811
φ [radians]
η

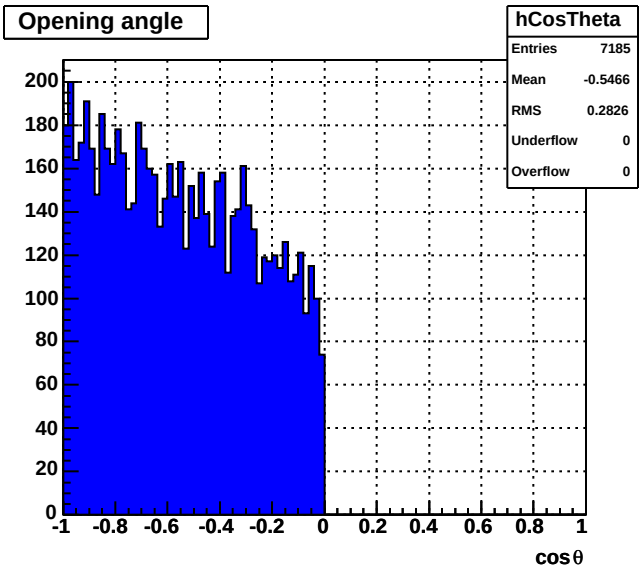

Number of L0 towers
hNumberOfTowersL0
Entries 7185
Mean 1.012
RMS 0.1104
Underflow 0
Overflow 44

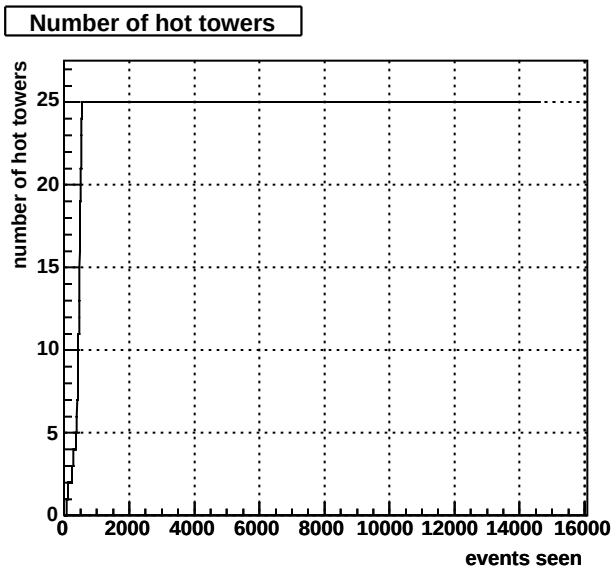

Number of L2 towers
hNumberOfTowersL2
Entries 7185
Mean 27.12
RMS 13.84
Underflow 0
Overflow 36

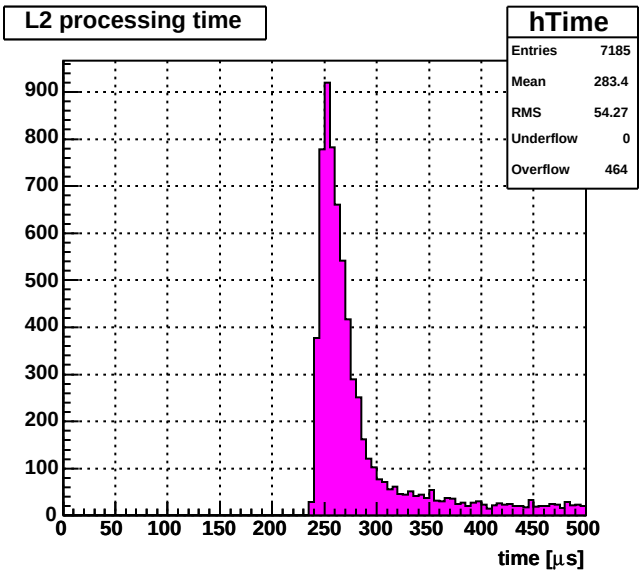

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7185
Mean 7.624
RMS 2.295
Underflow 0
Overflow 54
χ² / ndf 116.4 / 43
Constant 8.778 ± 0.056
Slope -0.4393 ± 0.0067
E [GeV]

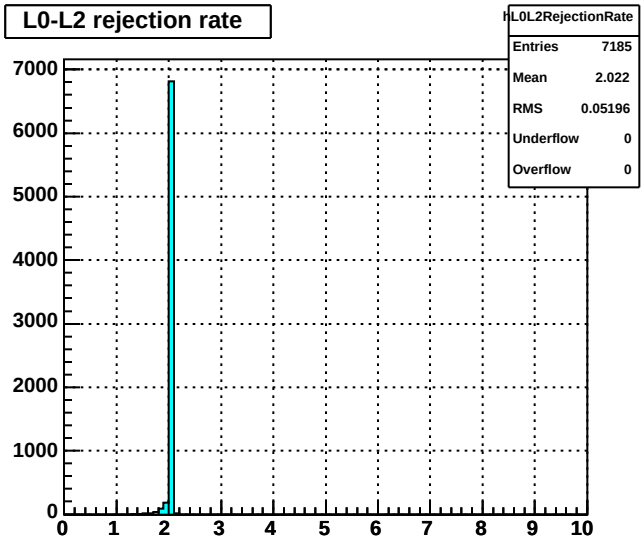

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7185
Mean 3.596
RMS 0.6263
Underflow 0
Overflow 0
χ² / ndf 25.51 / 23
Constant 12.96 ± 0.07
Slope -1.717 ± 0.020
E [GeV]

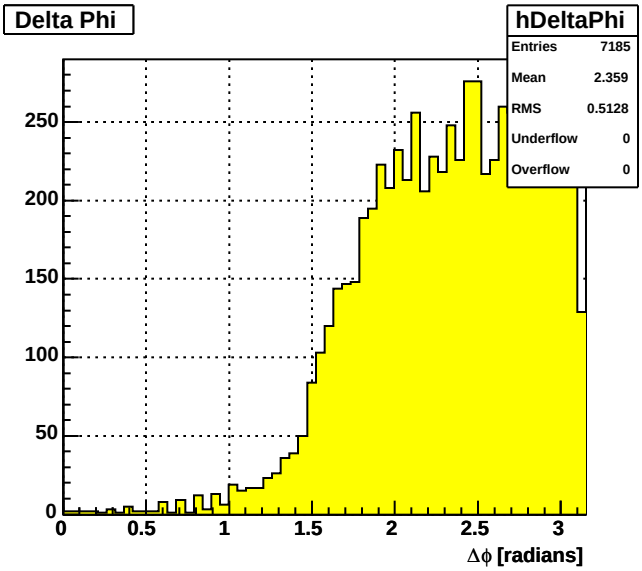

Invariant mass
hInvMass
Entries 7185
Mean 9.063
RMS 1.66
Underflow 0
Overflow 20
$m_{ee}$ [GeV/$c^2$]

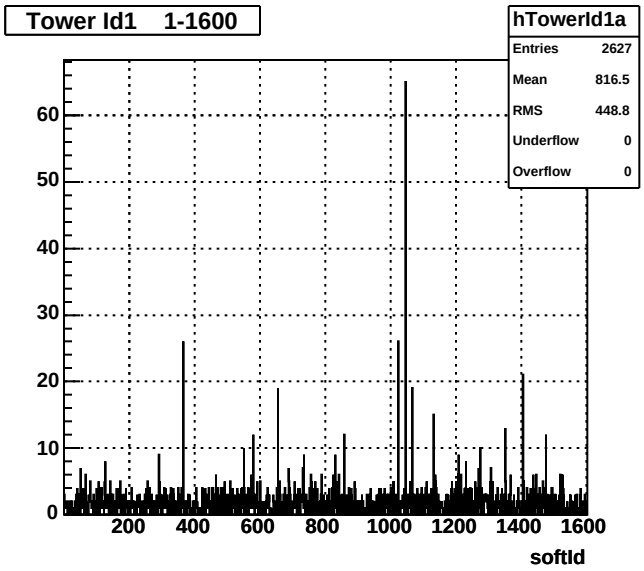

Opening angle
hCosTheta
Entries 7185
Mean -0.5466
RMS 0.2826
Underflow 0
Overflow 0
cos θ

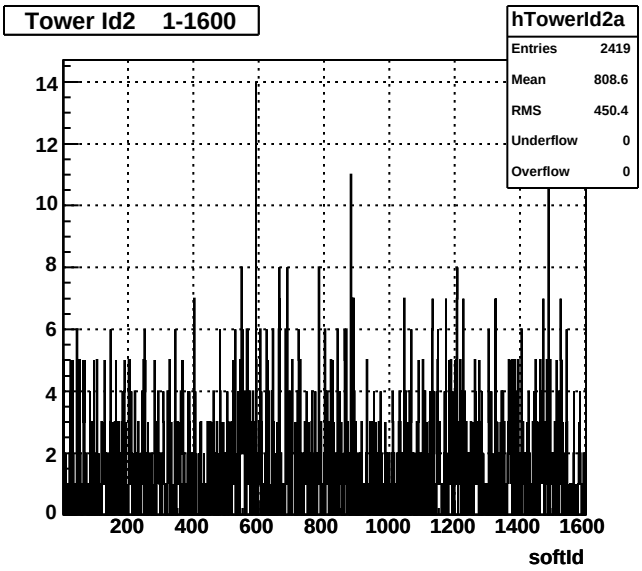

Number of hot towers
number of hot towers
events seen

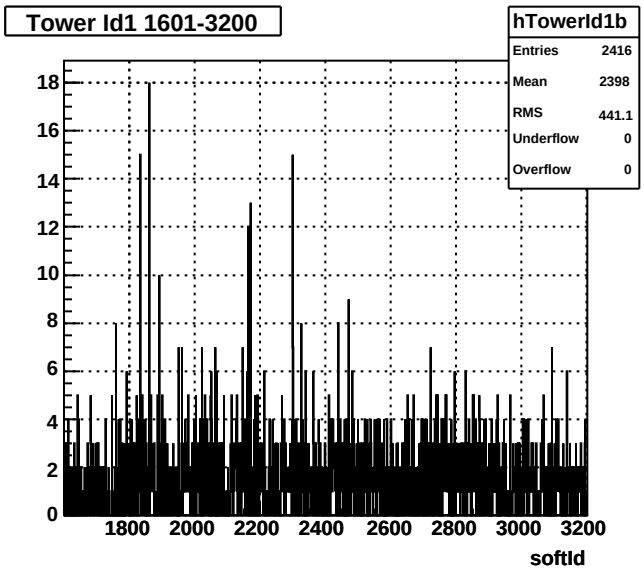

L2 processing time
hTime
Entries 7185
Mean 283.4
RMS 54.27
Underflow 0
Overflow 464
time [μs]

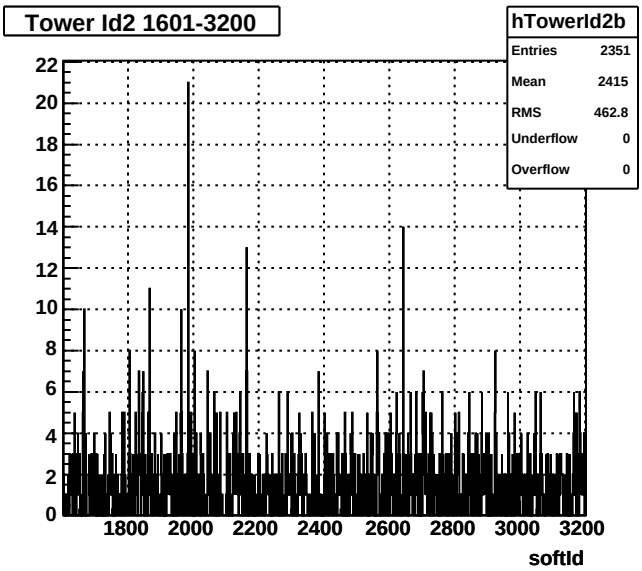

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7185
Mean 2.022
RMS 0.05196
Underflow 0
Overflow 0

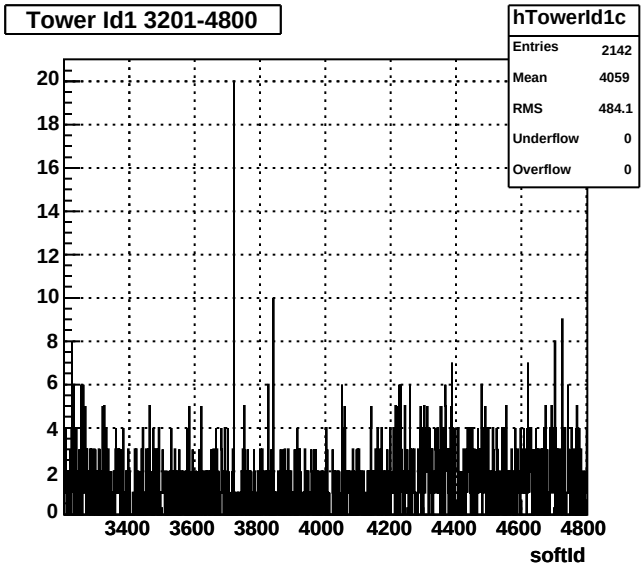

Delta Phi
hDeltaPhi
Entries 7185
Mean 2.359
RMS 0.5128
Underflow 0
Overflow 0
Δφ [radians]

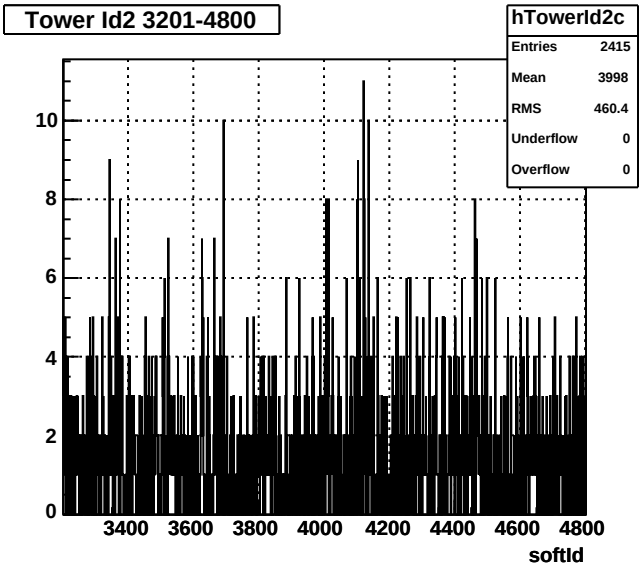

Tower Id1 1-1600
hTowerId1a
Entries 2627
Mean 816.5
RMS 448.8
Underflow 0
Overflow 0
softId

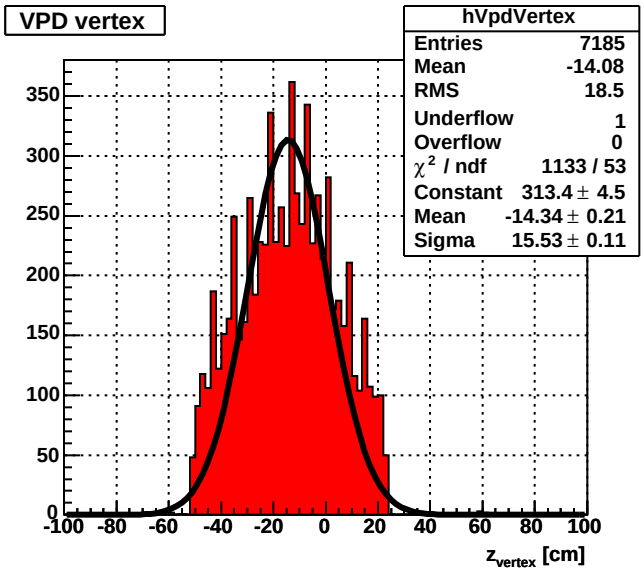

Tower Id2 1-1600
hTowerId2a
Entries 2419
Mean 808.6
RMS 450.4
Underflow 0
Overflow 0
softId

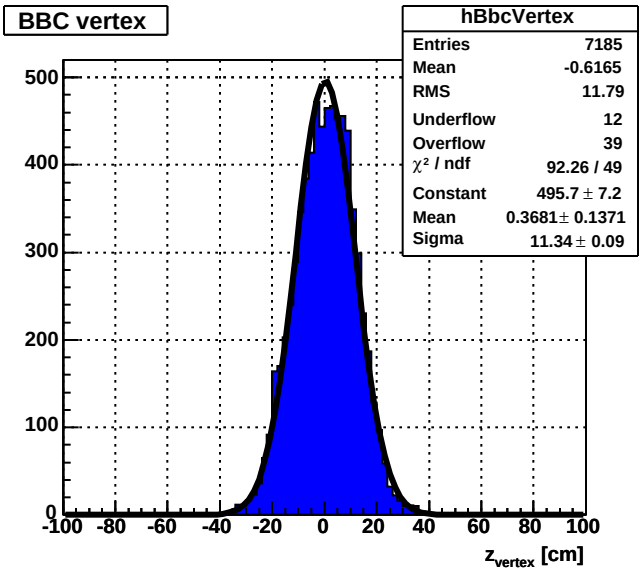

Tower Id1 1601-3200
hTowerId1b
Entries 2416
Mean 2398
RMS 441.1
Underflow 0
Overflow 0
softId

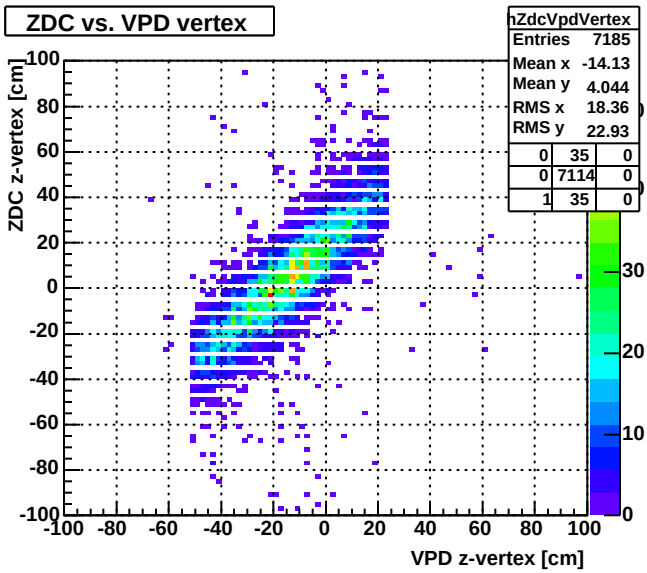

Tower Id2 1601-3200
hTowerId2b
Entries 2351
Mean 2415
RMS 462.8
Underflow 0
Overflow 0
softId

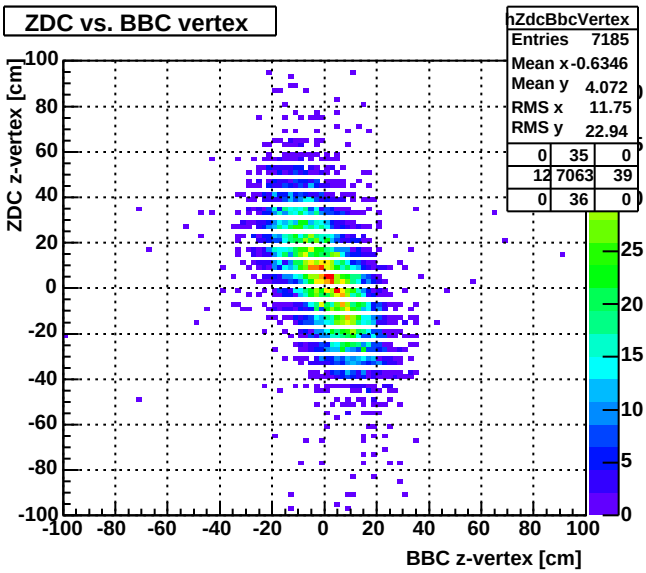

Tower Id1 3201-4800
hTowerId1c
Entries 2142
Mean 4059
RMS 484.1
Underflow 0
Overflow 0
softId

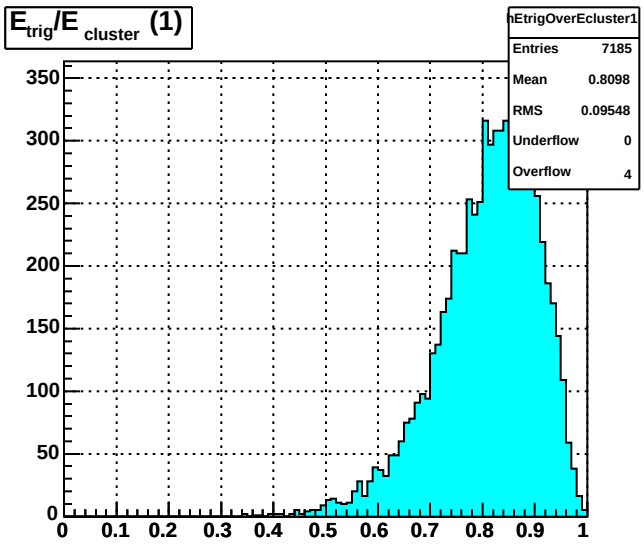

Tower Id2 3201-4800
hTowerId2c
Entries 2415
Mean 3998
RMS 460.4
Underflow 0
Overflow 0
softId

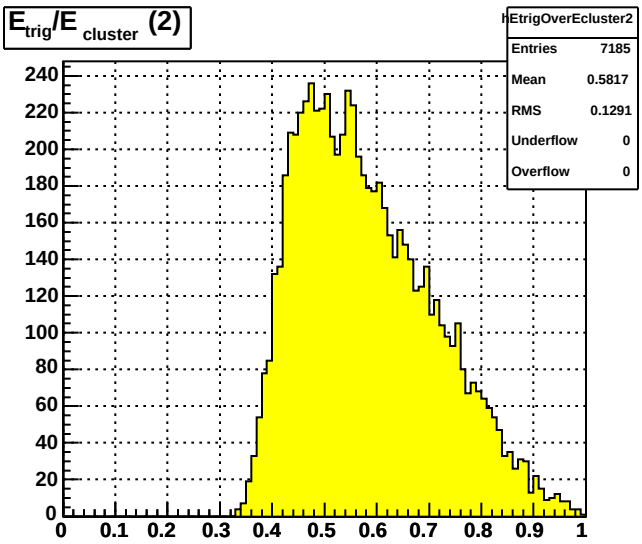

VPD vertex
hVpdVertex
Entries 7185
Mean -14.08
RMS 18.5
Underflow 1
Overflow 0
χ² / ndf 1133 / 53
Constant 313.4 ± 4.5
Mean -14.34 ± 0.21
Sigma 15.53 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7185
Mean -0.6165
RMS 11.79
Underflow 12
Overflow 39
χ² / ndf 92.26 / 49
Constant 495.7 ± 7.2
Mean 0.3681 ± 0.1371
Sigma 11.34 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7185
Mean x -14.13
Mean y 4.044
RMS x 18.36
RMS y 22.93
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7185
Mean x -0.6346
Mean y 4.072
RMS x 11.75
RMS y 22.94
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7185
Mean 0.8098
RMS 0.09548
Underflow 0
Overflow 4


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7185
Mean 0.5817
RMS 0.1291
Underflow 0
Overflow 0