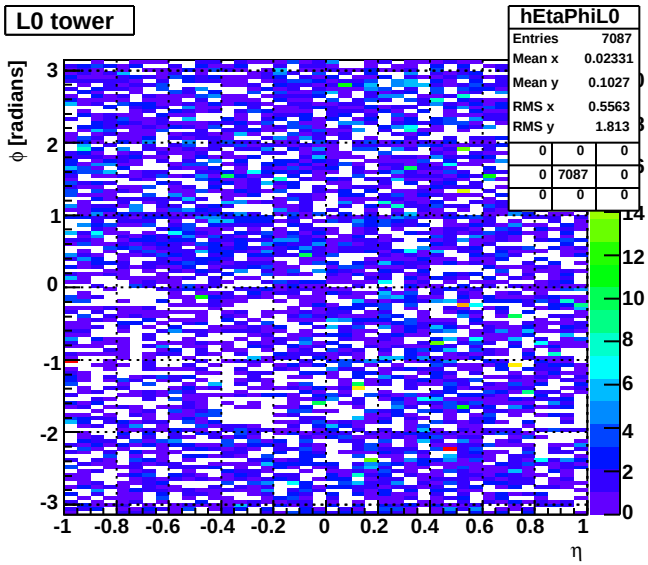
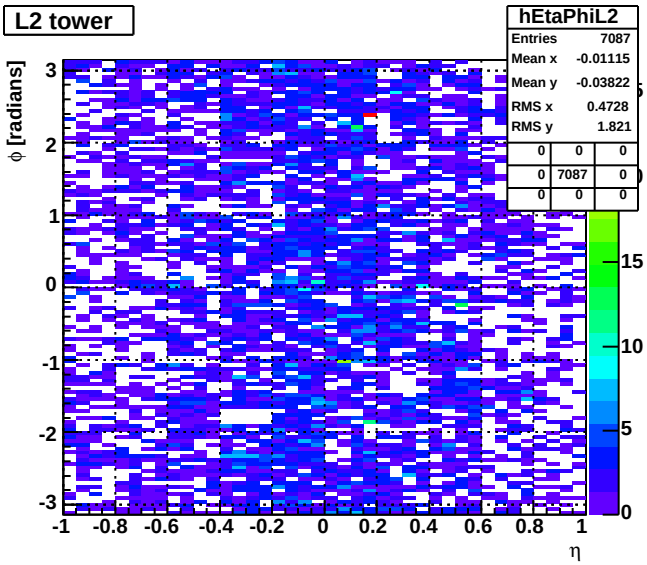
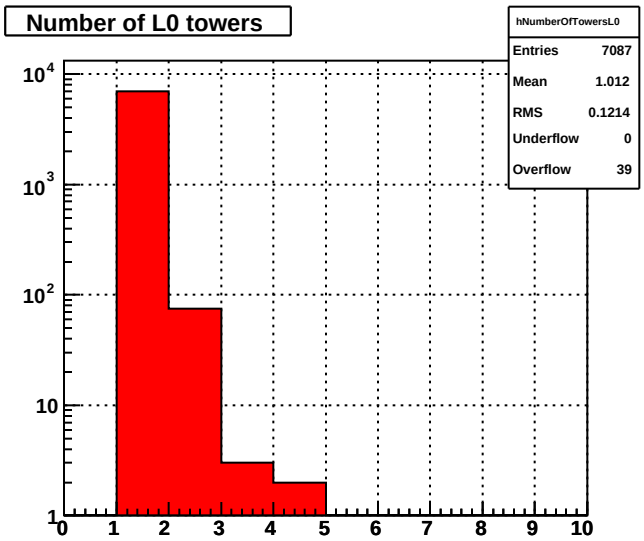
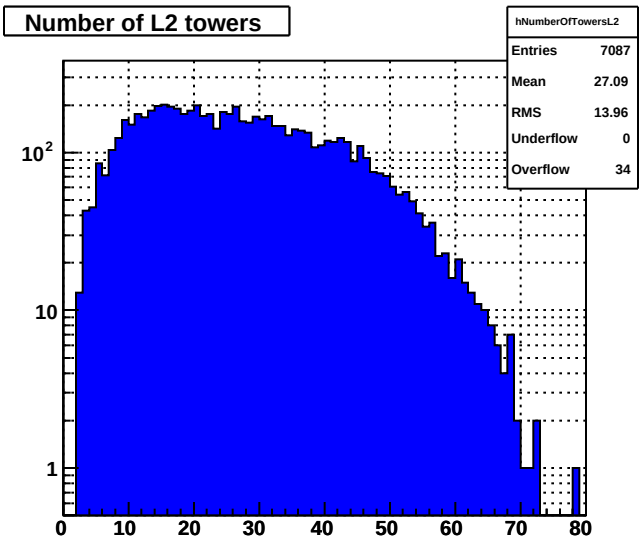
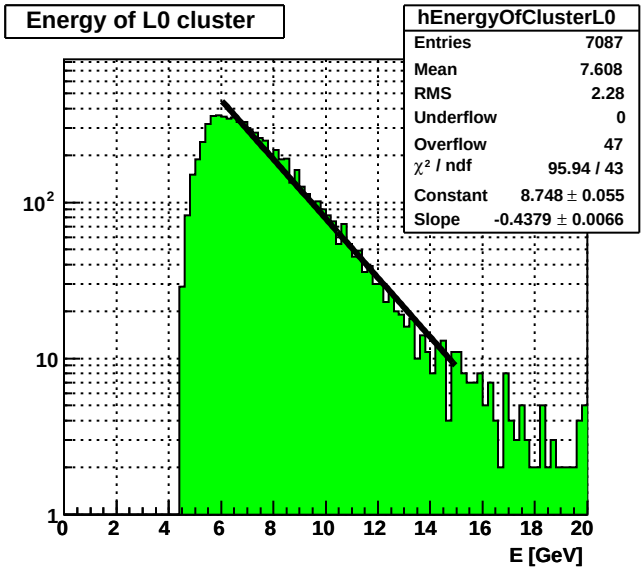
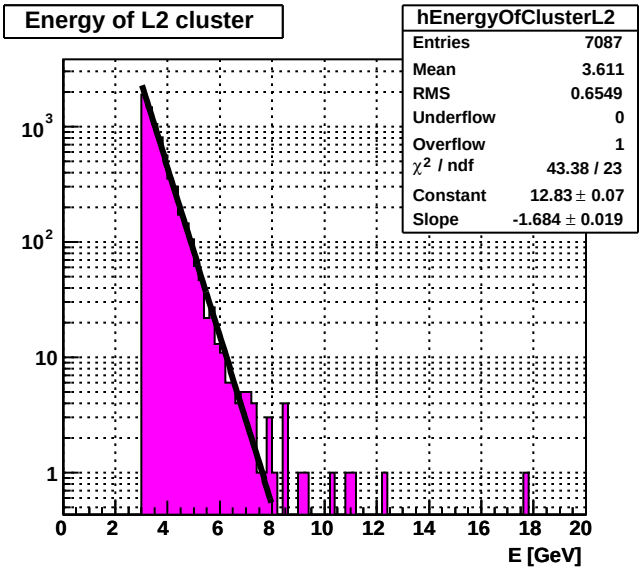

L0 tower
hEtaPhiL0
Entries 7087
Mean x 0.02331
Mean y 0.1027
RMS x 0.5563
RMS y 1.813
φ [radians]
η

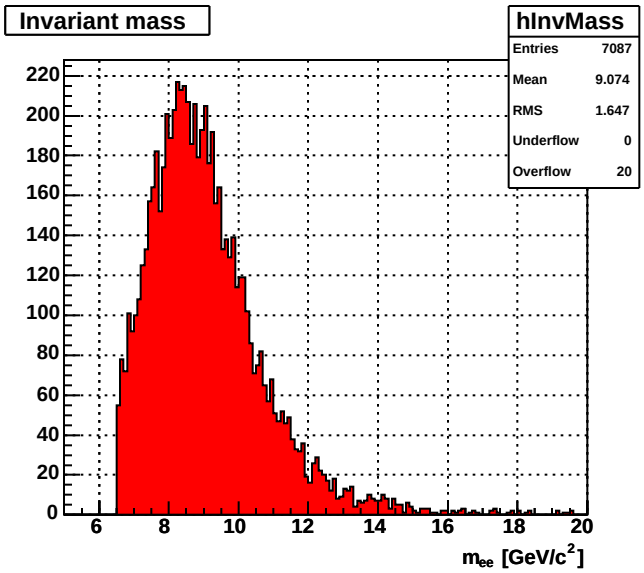

L2 tower
hEtaPhiL2
Entries 7087
Mean x -0.01115
Mean y -0.03822
RMS x 0.4728
RMS y 1.821
φ [radians]
η

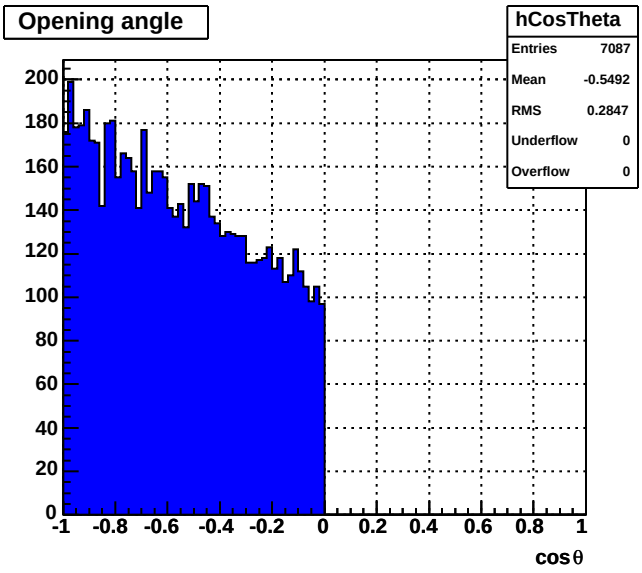

Number of L0 towers
hNumberOfTowersL0
Entries 7087
Mean 1.012
RMS 0.1214
Underflow 0
Overflow 39

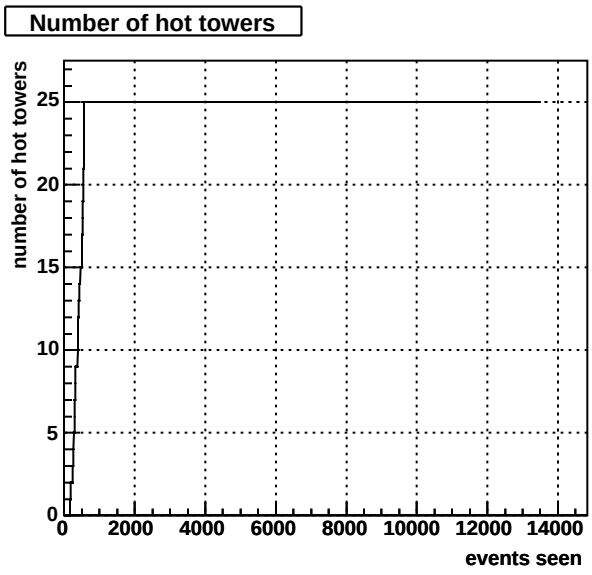

Number of L2 towers
hNumberOfTowersL2
Entries 7087
Mean 27.09
RMS 13.96
Underflow 0
Overflow 34

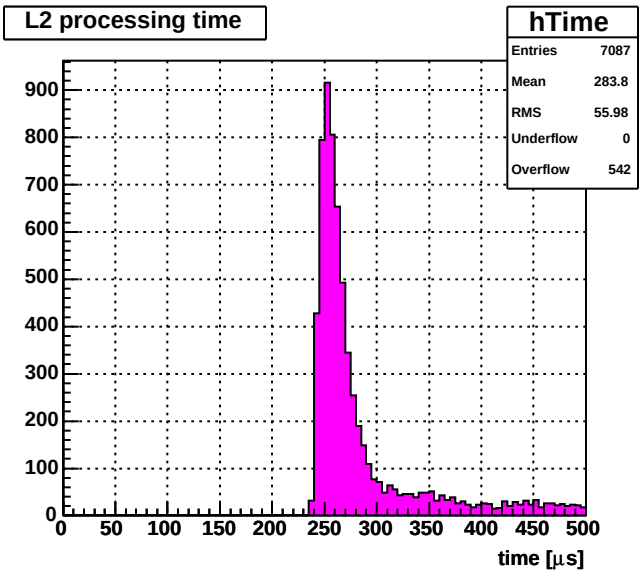

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7087
Mean 7.608
RMS 2.28
Underflow 0
Overflow 47
χ² / ndf 95.94 / 43
Constant 8.748 ± 0.055
Slope -0.4379 ± 0.0066
E [GeV]

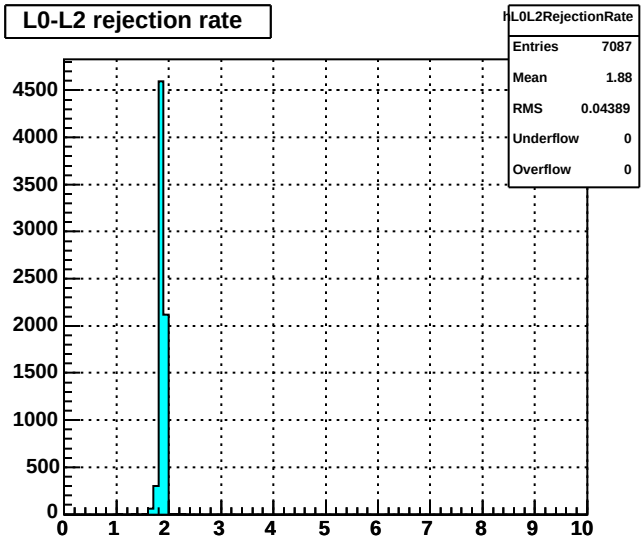

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7087
Mean 3.611
RMS 0.6549
Underflow 0
Overflow 1
χ² / ndf 43.38 / 23
Constant 12.83 ± 0.07
Slope -1.684 ± 0.019
E [GeV]

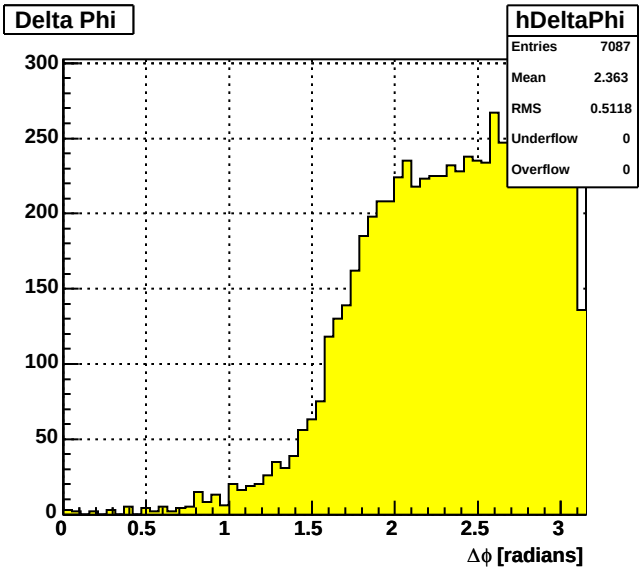

Invariant mass
hInvMass
Entries 7087
Mean 9.074
RMS 1.647
Underflow 0
Overflow 20
m_{ee} [GeV/c^2]

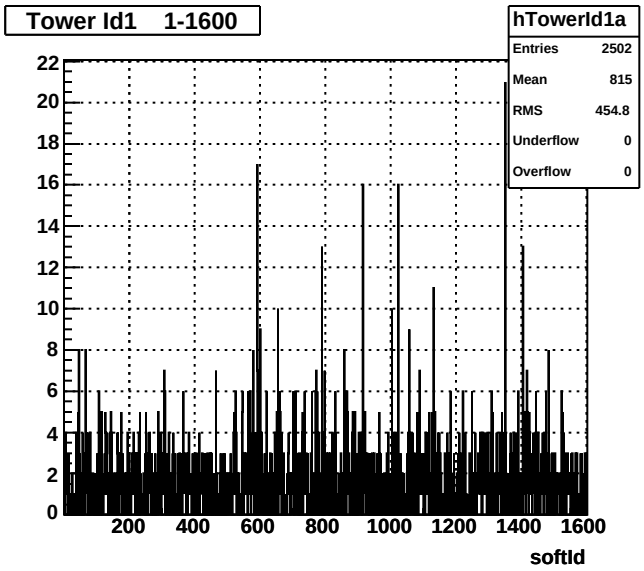

Opening angle
hCosTheta
Entries 7087
Mean -0.5492
RMS 0.2847
Underflow 0
Overflow 0
cos θ

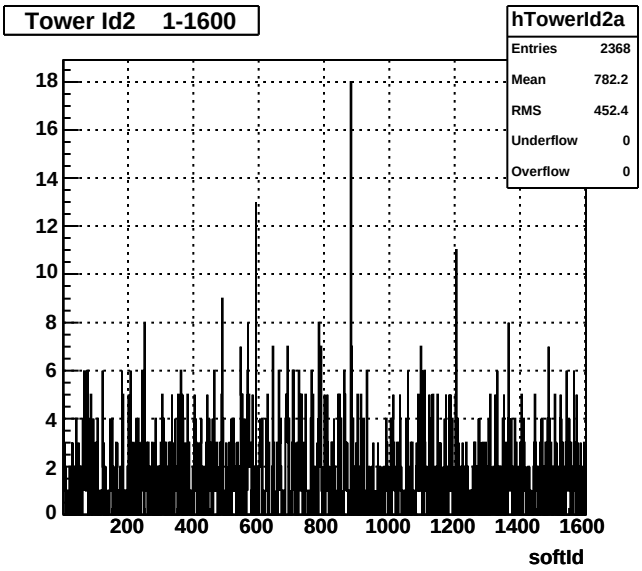

Number of hot towers
number of hot towers
events seen

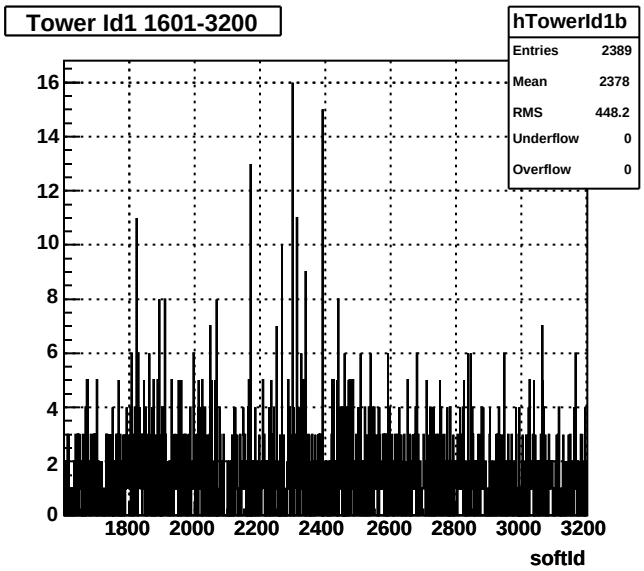

L2 processing time
hTime
Entries 7087
Mean 283.8
RMS 55.98
Underflow 0
Overflow 542
time [μs]

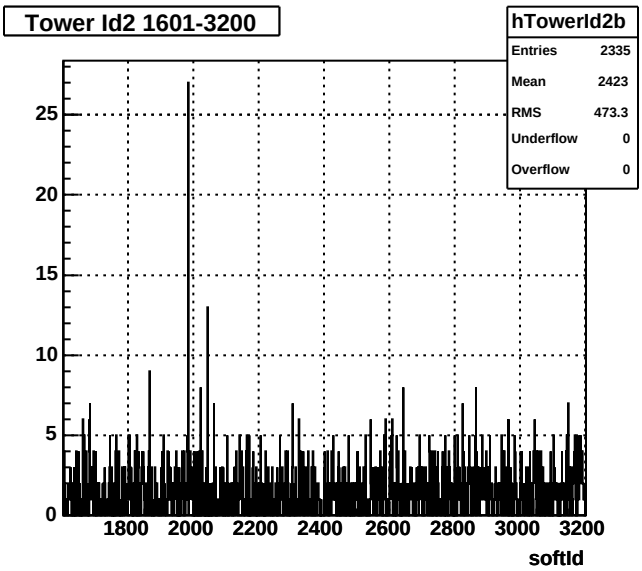

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7087
Mean 1.88
RMS 0.04389
Underflow 0
Overflow 0

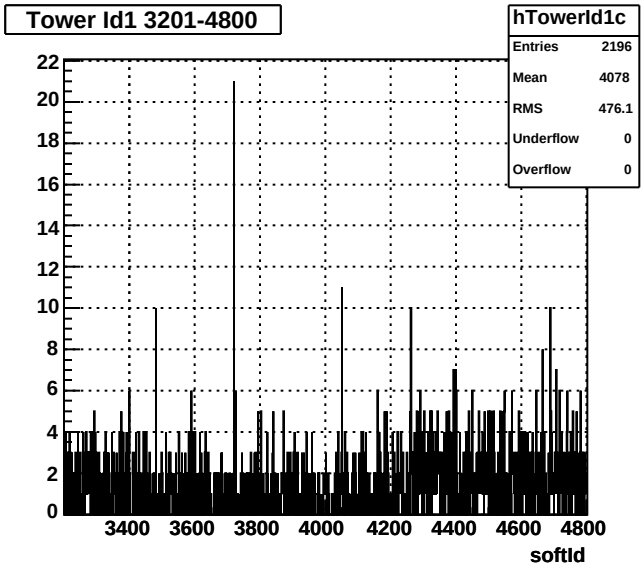

Delta Phi
hDeltaPhi
Entries 7087
Mean 2.363
RMS 0.5118
Underflow 0
Overflow 0
Δφ [radians]

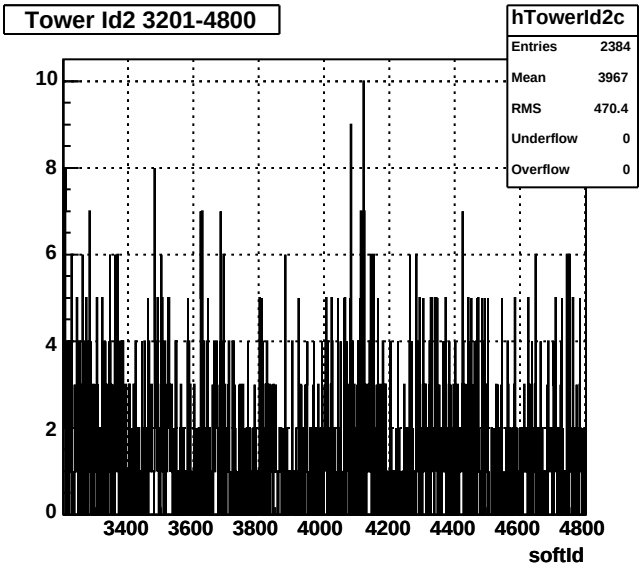

Tower Id1 1-1600
hTowerId1a
Entries 2502
Mean 815
RMS 454.8
Underflow 0
Overflow 0
softId

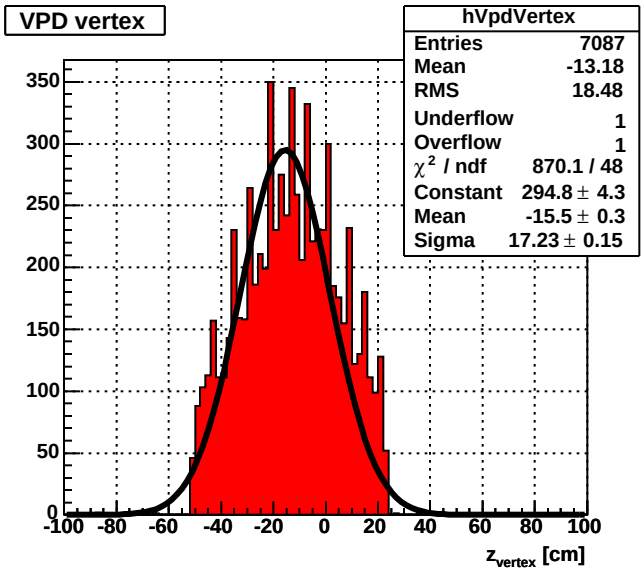

Tower Id2 1-1600
hTowerId2a
Entries 2368
Mean 782.2
RMS 452.4
Underflow 0
Overflow 0
softId

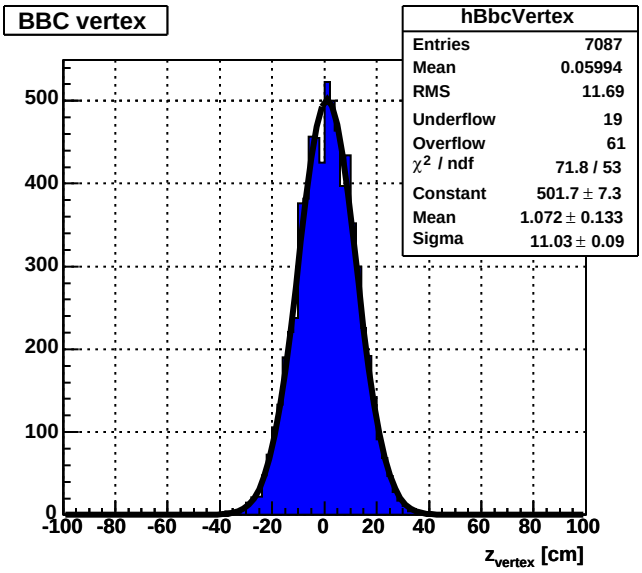

Tower Id1 1601-3200
hTowerId1b
Entries 2389
Mean 2378
RMS 448.2
Underflow 0
Overflow 0
softId

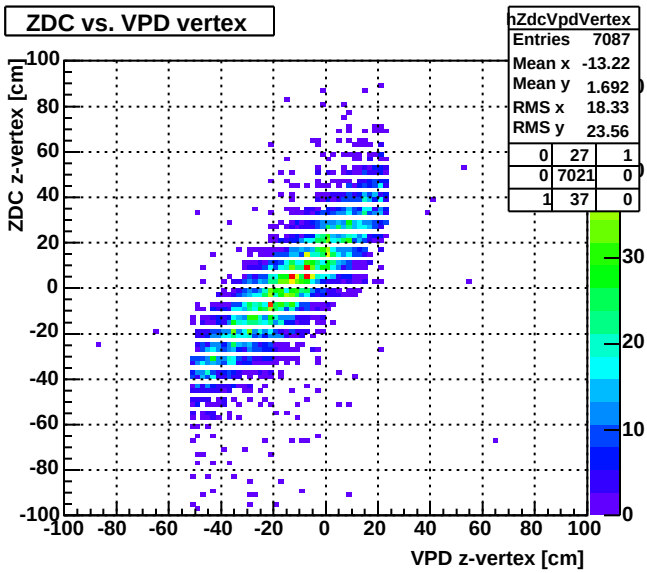

Tower Id2 1601-3200
hTowerId2b
Entries 2335
Mean 2423
RMS 473.3
Underflow 0
Overflow 0
softId

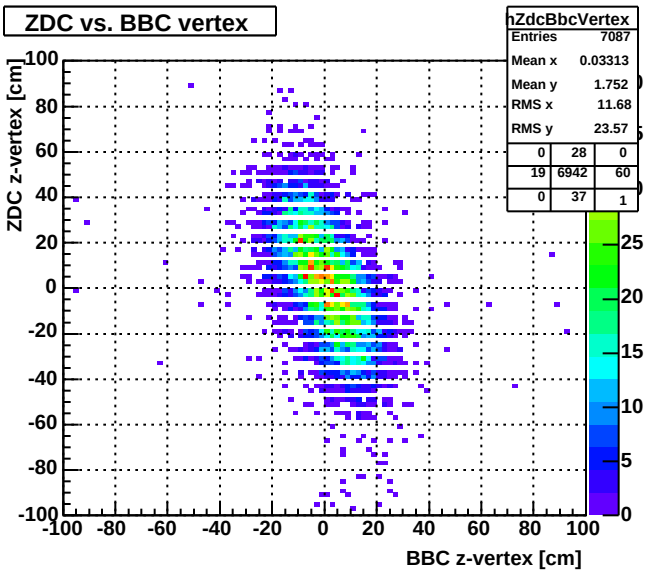

Tower Id1 3201-4800
hTowerId1c
Entries 2196
Mean 4078
RMS 476.1
Underflow 0
Overflow 0
softId

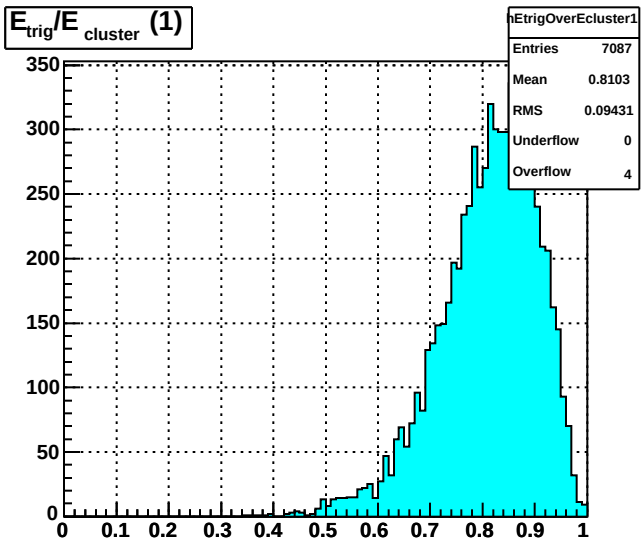

Tower Id2 3201-4800
hTowerId2c
Entries 2384
Mean 3967
RMS 470.4
Underflow 0
Overflow 0
softId

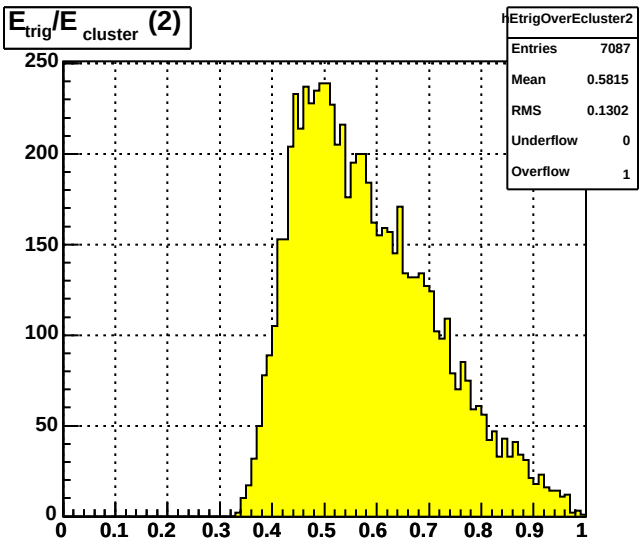

VPD vertex
hVpdVertex
Entries 7087
Mean -13.18
RMS 18.48
Underflow 1
Overflow 1
χ² / ndf 870.1 / 48
Constant 294.8 ± 4.3
Mean -15.5 ± 0.3
Sigma 17.23 ± 0.15
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7087
Mean 0.05994
RMS 11.69
Underflow 19
Overflow 61
χ² / ndf 71.8 / 53
Constant 501.7 ± 7.3
Mean 1.072 ± 0.133
Sigma 11.03 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7087
Mean x -13.22
Mean y 1.692
RMS x 18.33
RMS y 23.56
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7087
Mean x 0.03313
Mean y 1.752
RMS x 11.68
RMS y 23.57
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7087
Mean 0.8103
RMS 0.09431
Underflow 0
Overflow 4


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7087
Mean 0.5815
RMS 0.1302
Underflow 0
Overflow 1