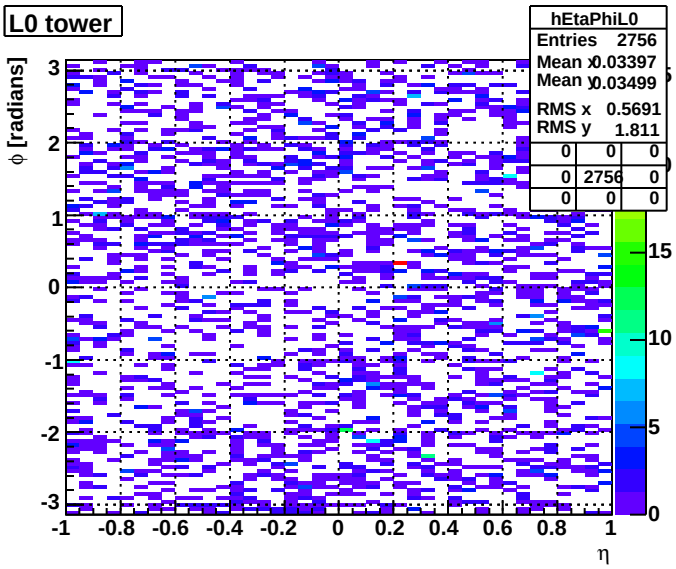
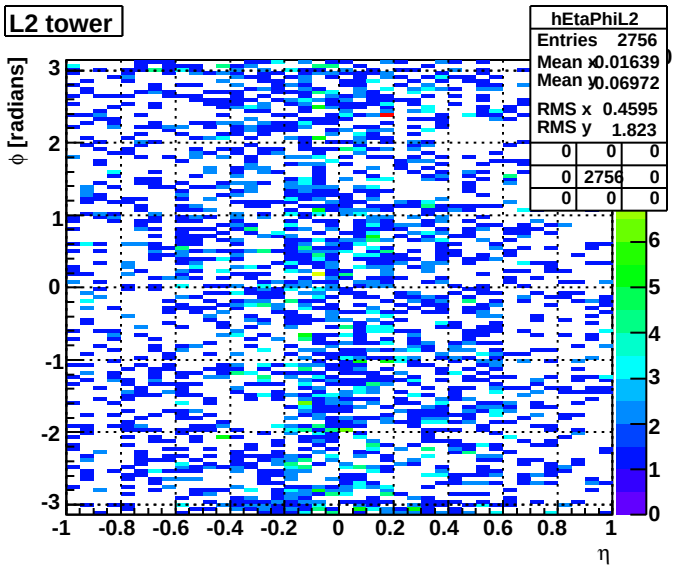
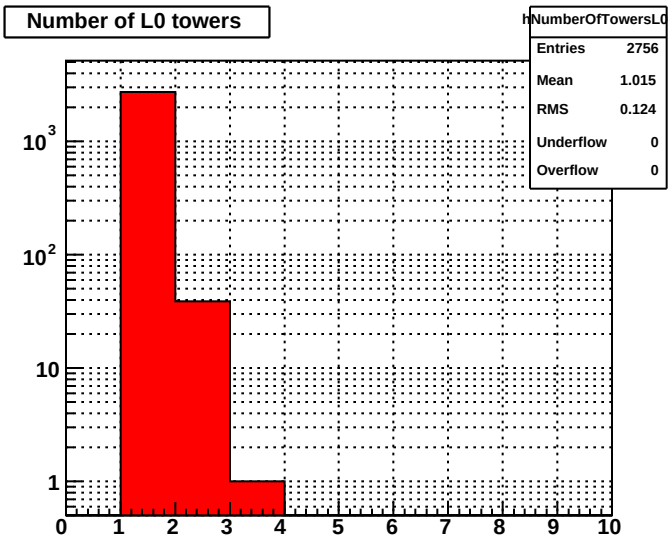
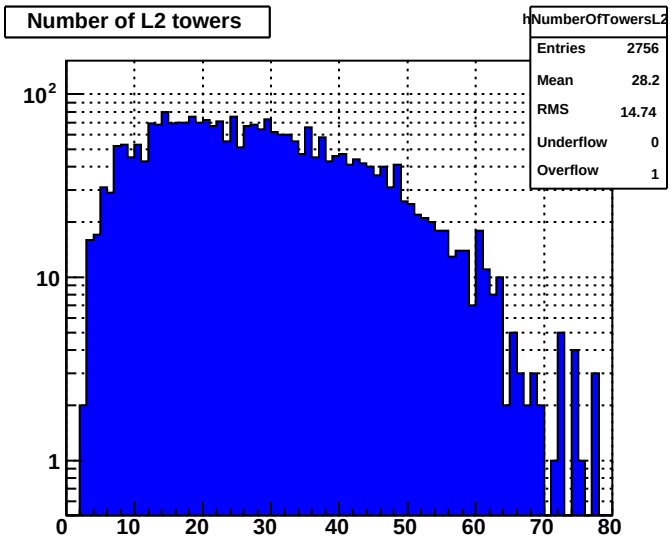
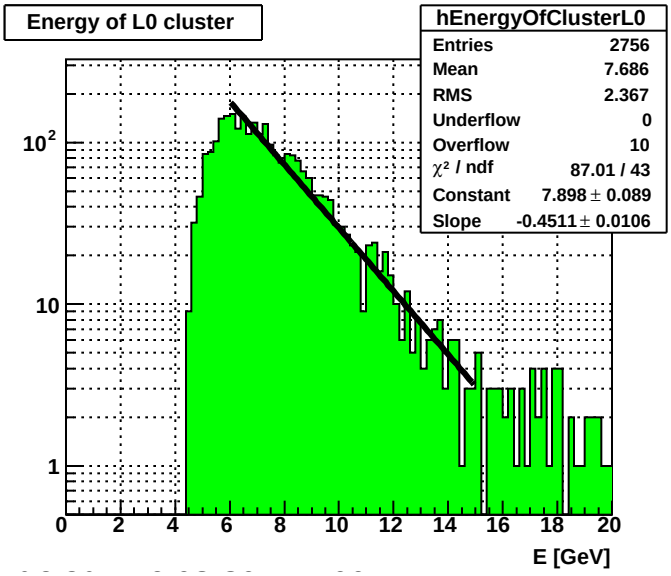
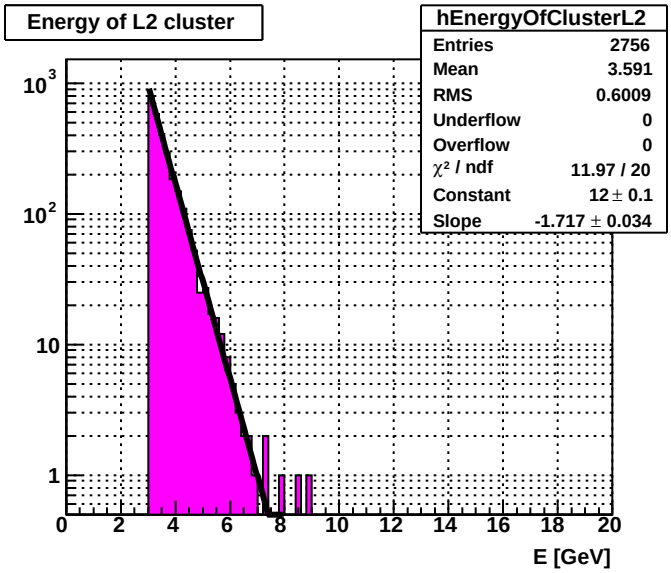

L0 tower
hEtaPhiL0
Entries 2756
Mean x 0.03397
Mean y 0.03499
RMS x 0.5691
RMS y 1.811
φ [radians]
η

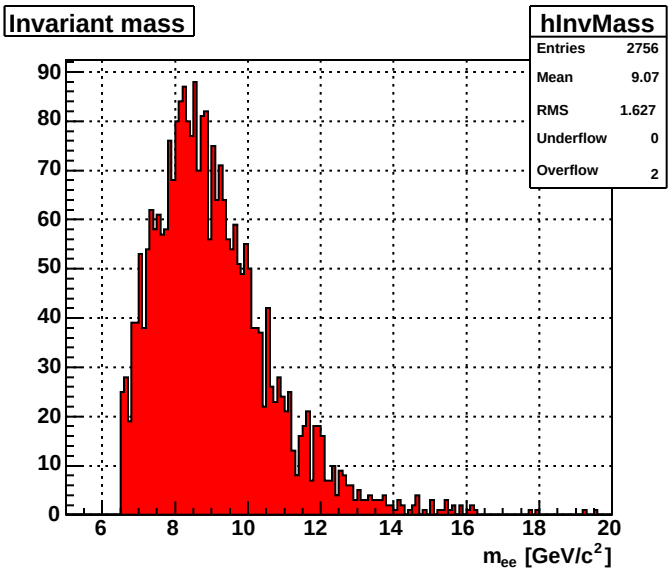

L2 tower
hEtaPhiL2
Entries 2756
Mean x 0.01639
Mean y 0.06972
RMS x 0.4595
RMS y 1.823
φ [radians]
η

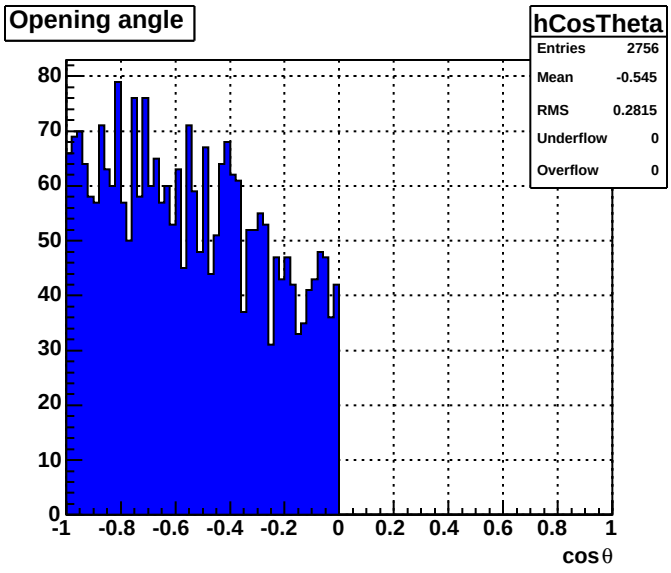

Number of L0 towers
hNumberOfTowersL0
Entries 2756
Mean 1.015
RMS 0.124
Underflow 0
Overflow 0

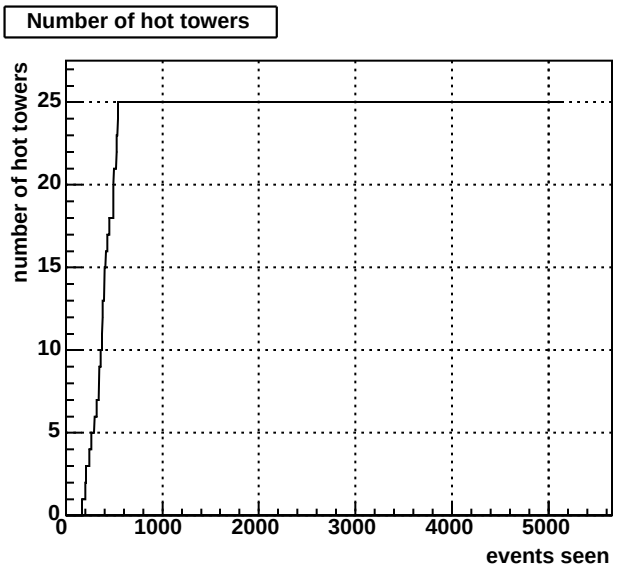

Number of L2 towers
hNumberOfTowersL2
Entries 2756
Mean 28.2
RMS 14.74
Underflow 0
Overflow 1

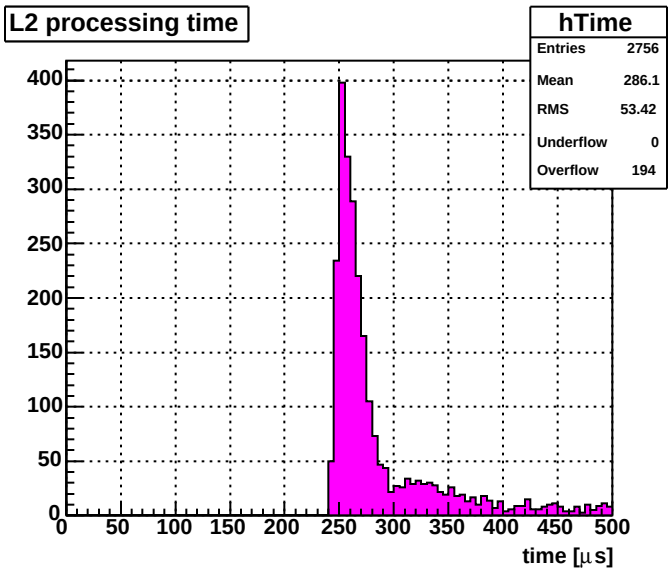

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2756
Mean 7.686
RMS 2.367
Underflow 0
Overflow 10
χ² / ndf 87.01 / 43
Constant 7.898 ± 0.089
Slope -0.4511 ± 0.0106
E [GeV]

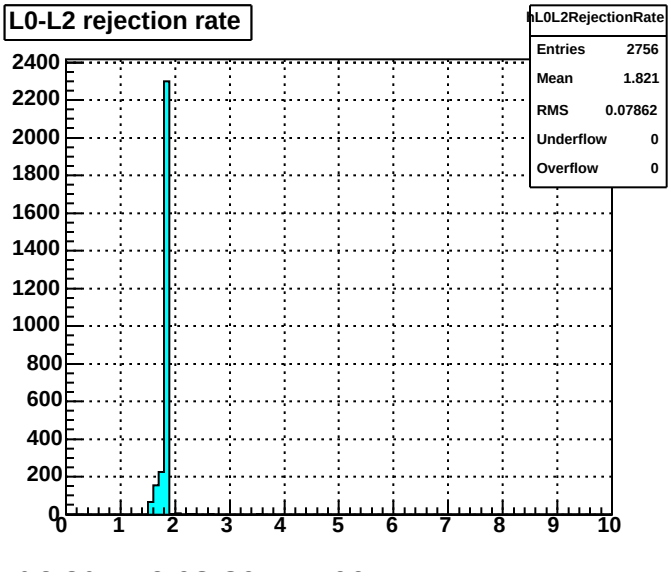

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2756
Mean 3.591
RMS 0.6009
Underflow 0
Overflow 0
χ² / ndf 11.97 / 20
Constant 12 ± 0.1
Slope -1.717 ± 0.034
E [GeV]

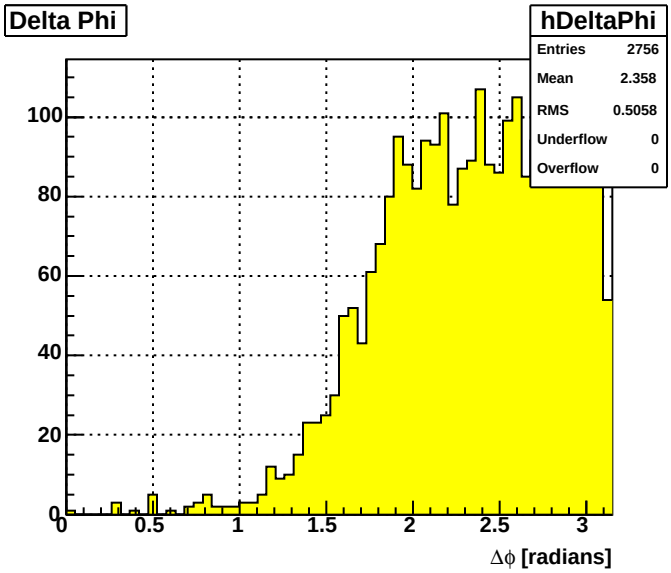

Invariant mass
hInvMass
Entries 2756
Mean 9.07
RMS 1.627
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

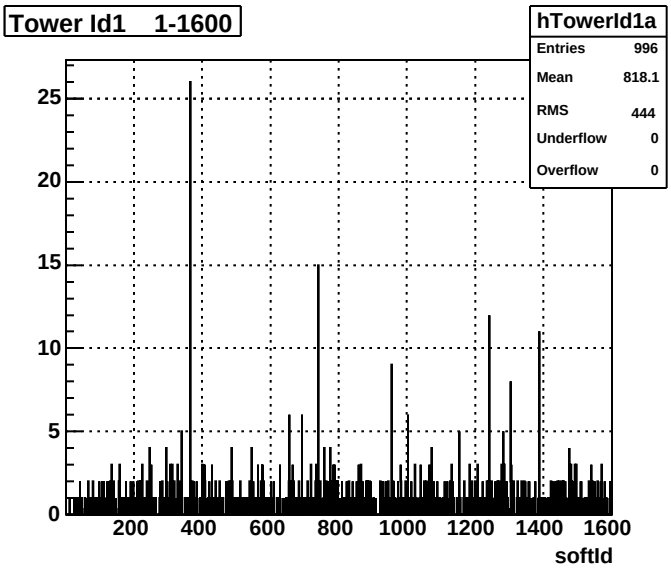

Opening angle
hCosTheta
Entries 2756
Mean -0.545
RMS 0.2815
Underflow 0
Overflow 0
cos θ

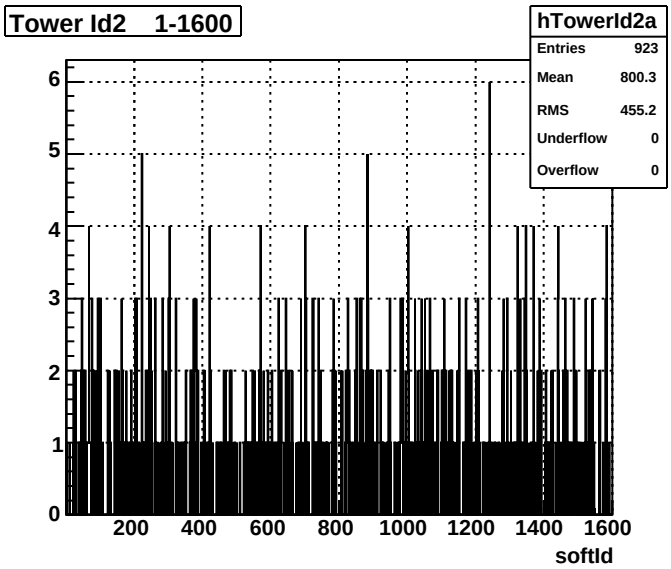

Number of hot towers
number of hot towers
events seen

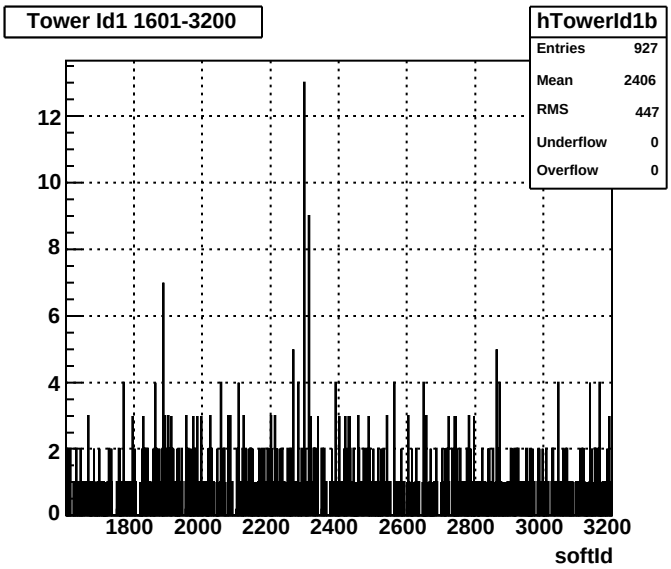

L2 processing time
hTime
Entries 2756
Mean 286.1
RMS 53.42
Underflow 0
Overflow 194
time [μs]

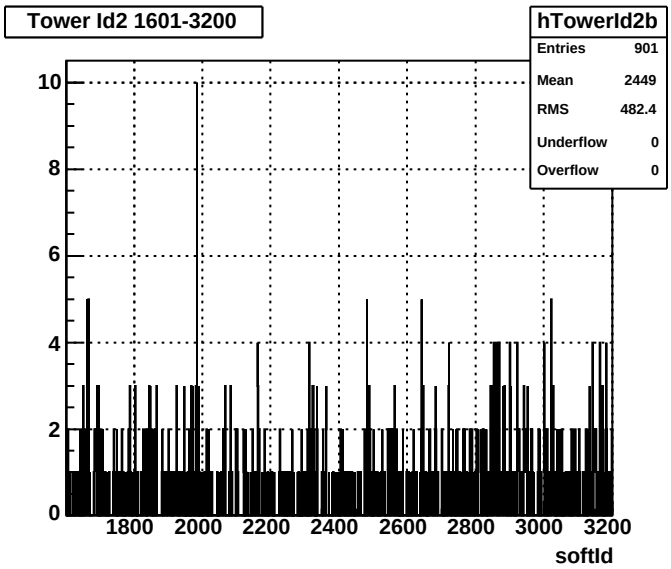

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2756
Mean 1.821
RMS 0.07862
Underflow 0
Overflow 0

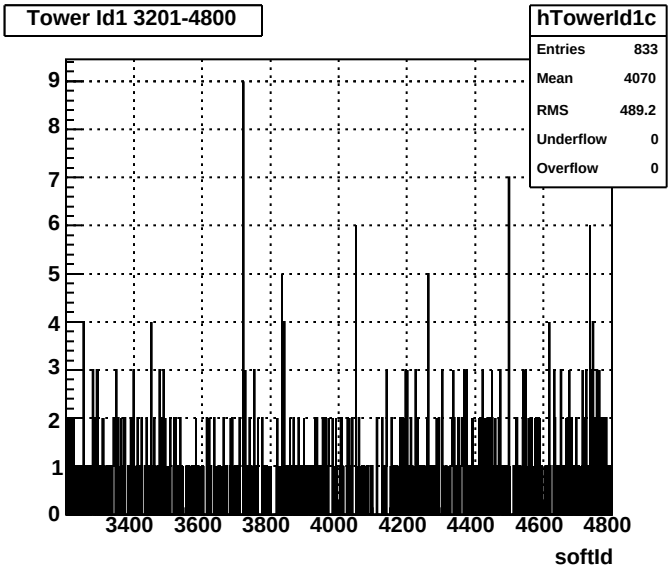

Delta Phi
hDeltaPhi
Entries 2756
Mean 2.358
RMS 0.5058
Underflow 0
Overflow 0
Δφ [radians]

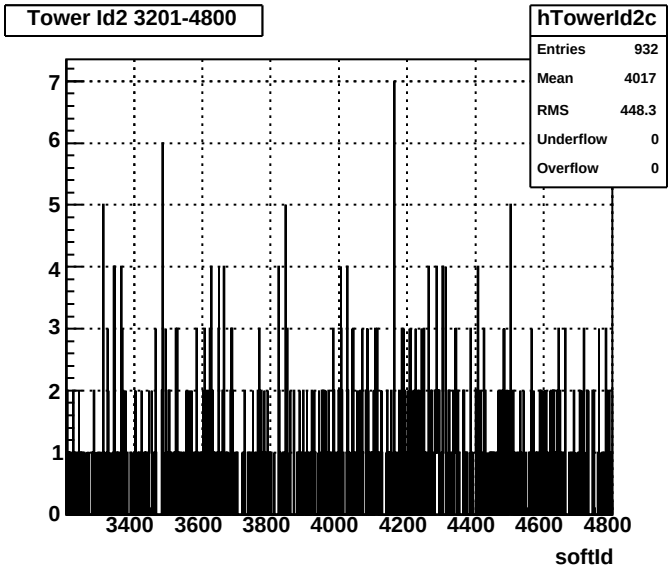

Tower Id1 1-1600
hTowerId1a
Entries 996
Mean 818.1
RMS 444
Underflow 0
Overflow 0
softId

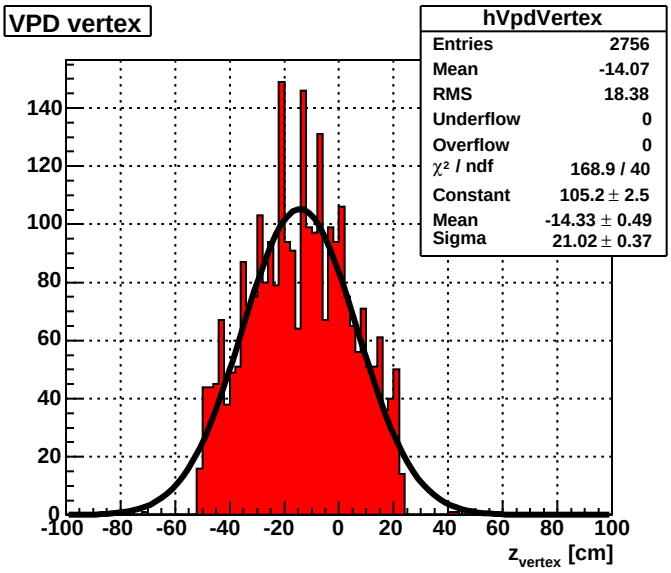

Tower Id2 1-1600
hTowerId2a
Entries 923
Mean 800.3
RMS 455.2
Underflow 0
Overflow 0
softId

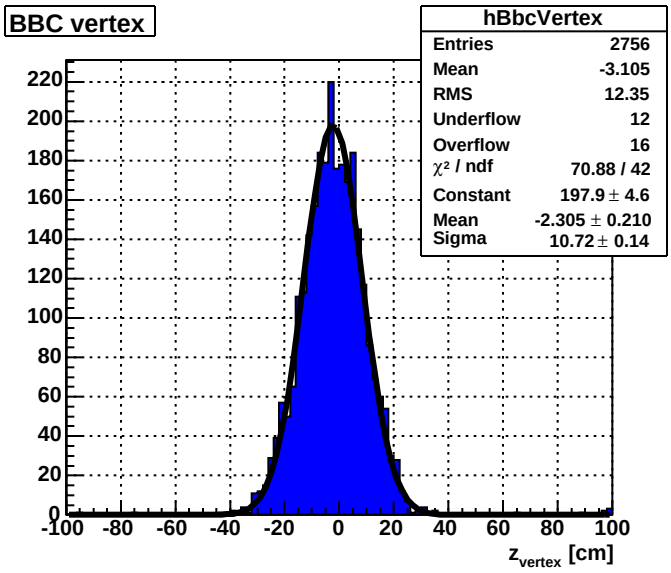

Tower Id1 1601-3200
hTowerId1b
Entries 927
Mean 2406
RMS 447
Underflow 0
Overflow 0
softId

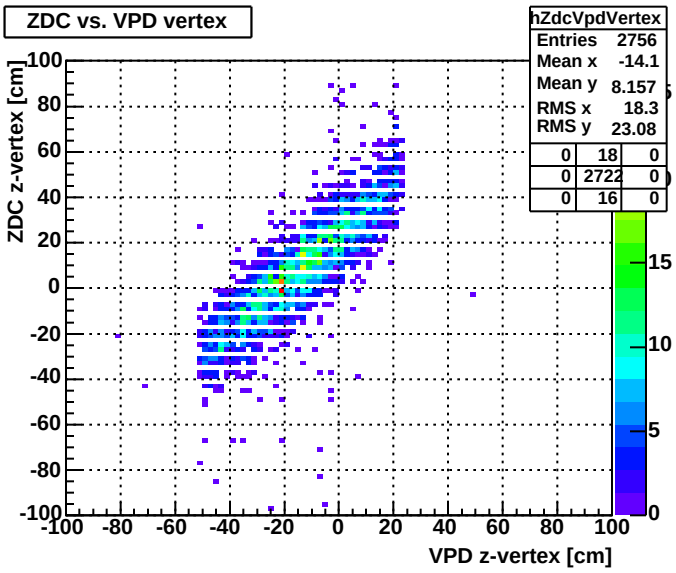

Tower Id2 1601-3200
hTowerId2b
Entries 901
Mean 2449
RMS 482.4
Underflow 0
Overflow 0
softId

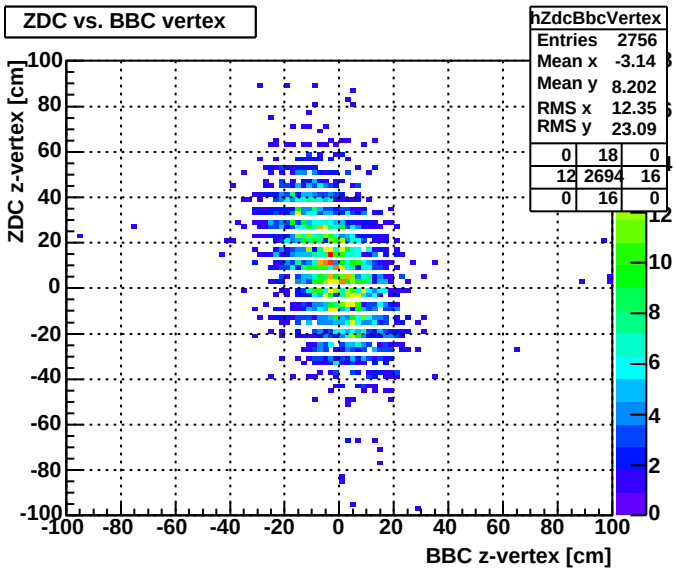

Tower Id1 3201-4800
hTowerId1c
Entries 833
Mean 4070
RMS 489.2
Underflow 0
Overflow 0
softId

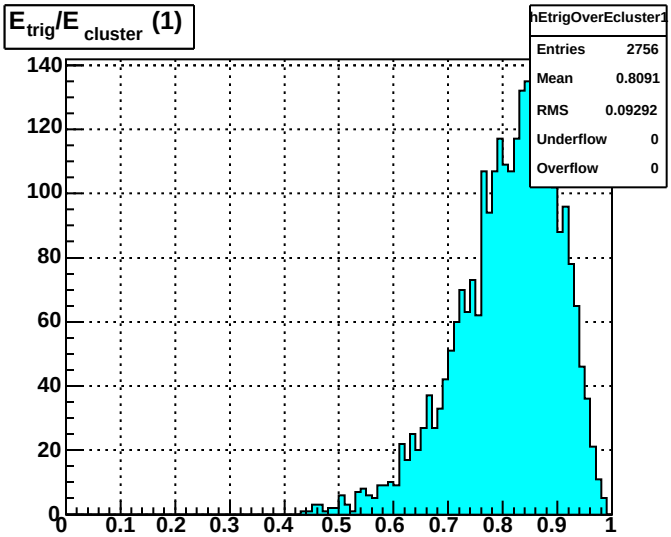

Tower Id2 3201-4800
hTowerId2c
Entries 932
Mean 4017
RMS 448.3
Underflow 0
Overflow 0
softId

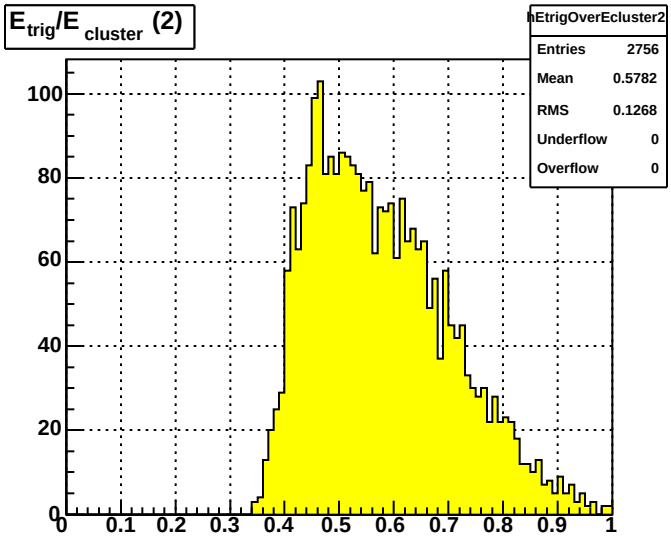

VPD vertex
hVpdVertex
Entries 2756
Mean -14.07
RMS 18.38
Underflow 0
Overflow 0
χ² / ndf 168.9 / 40
Constant 105.2 ± 2.5
Mean -14.33 ± 0.49
Sigma 21.02 ± 0.37
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2756
Mean -3.105
RMS 12.35
Underflow 12
Overflow 16
χ² / ndf 70.88 / 42
Constant 197.9 ± 4.6
Mean -2.305 ± 0.210
Sigma 10.72 ± 0.14
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2756
Mean x -14.1
Mean y 8.157
RMS x 18.3
RMS y 23.08
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2756
Mean x -3.14
Mean y 8.202
RMS x 12.35
RMS y 23.09
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2756
Mean 0.8091
RMS 0.09292
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2756
Mean 0.5782
RMS 0.1268
Underflow 0
Overflow 0