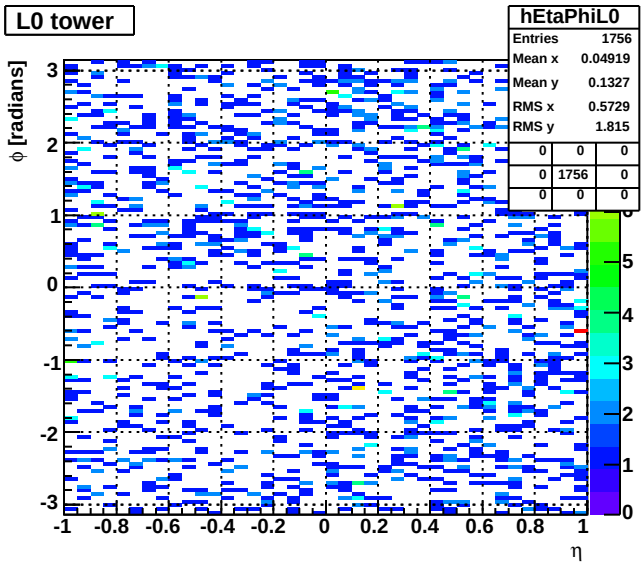
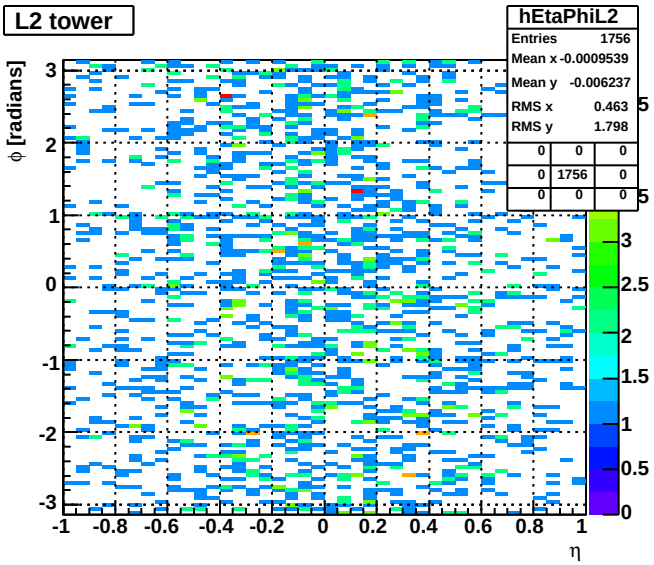
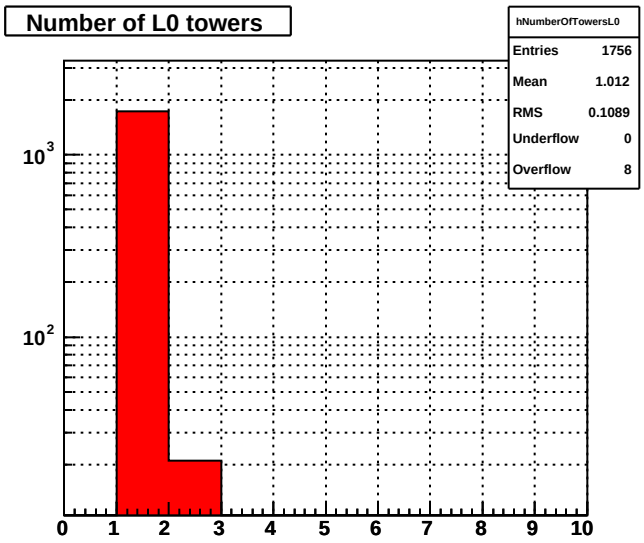
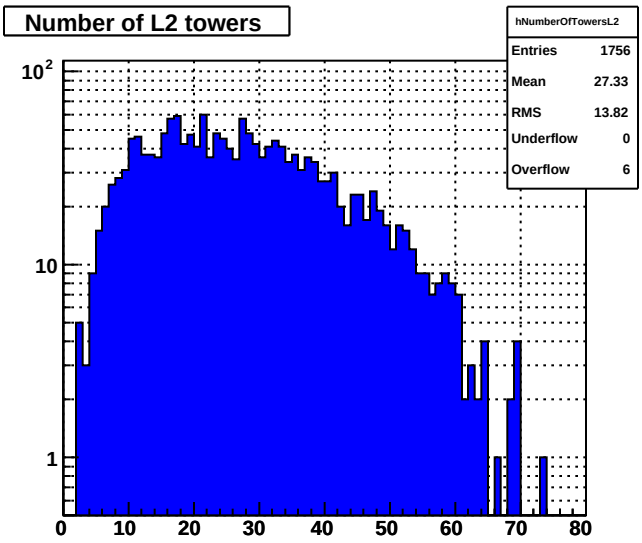
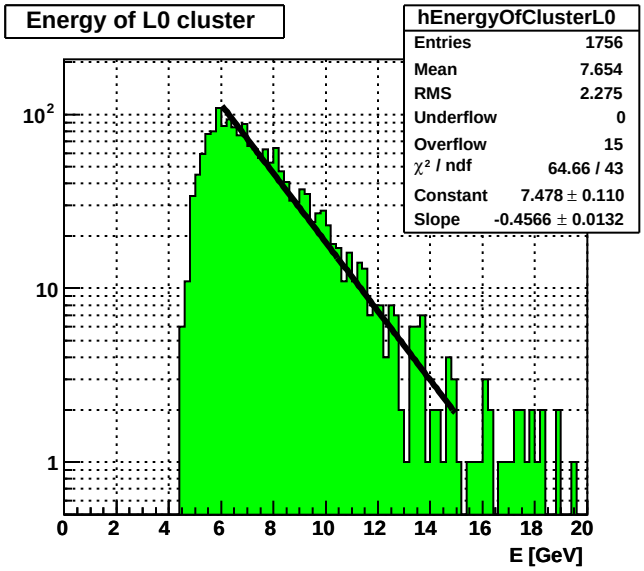
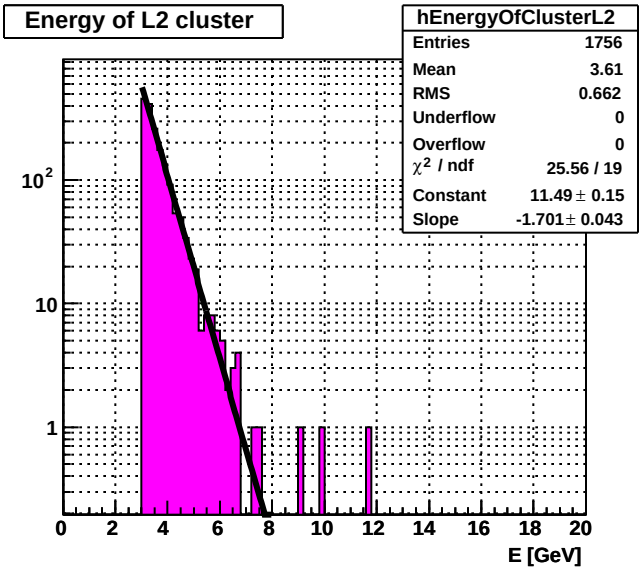

L0 tower
hEtaPhiL0
Entries 1756
Mean x 0.04919
Mean y 0.1327
RMS x 0.5729
RMS y 1.815
φ [radians]
η

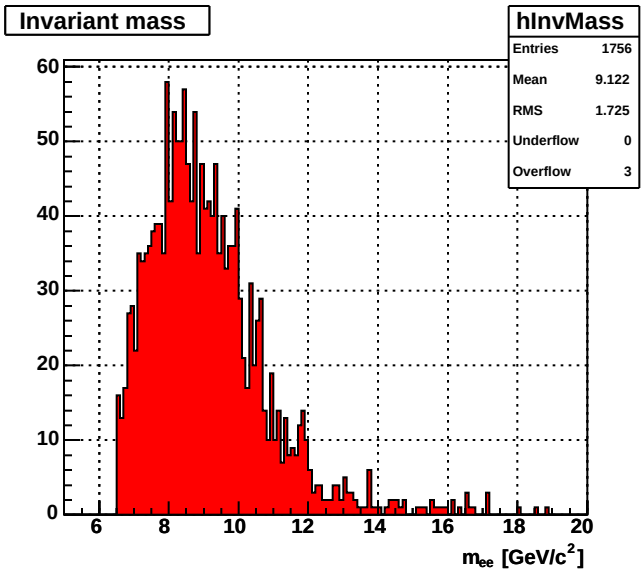

L2 tower
hEtaPhiL2
Entries 1756
Mean x -0.0009539
Mean y -0.006237
RMS x 0.463
RMS y 1.798
φ [radians]
η

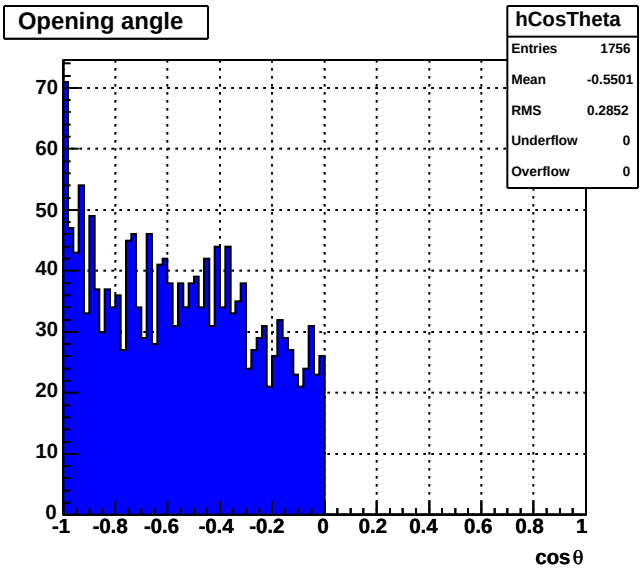

Number of L0 towers
hNumberOfTowersL0
Entries 1756
Mean 1.012
RMS 0.1089
Underflow 0
Overflow 8

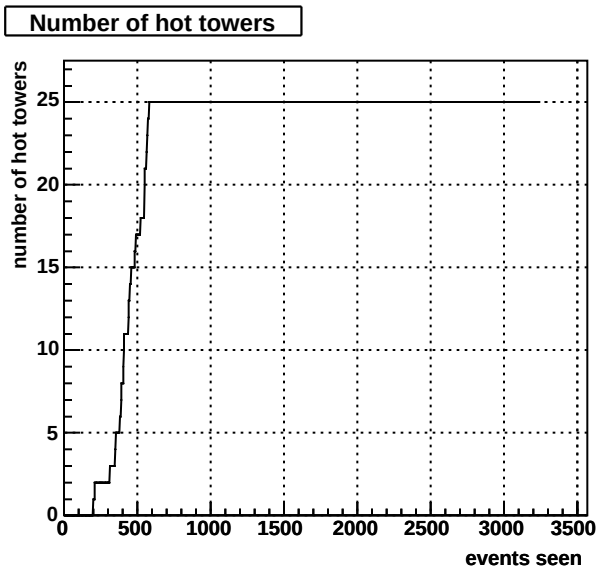

Number of L2 towers
hNumberOfTowersL2
Entries 1756
Mean 27.33
RMS 13.82
Underflow 0
Overflow 6

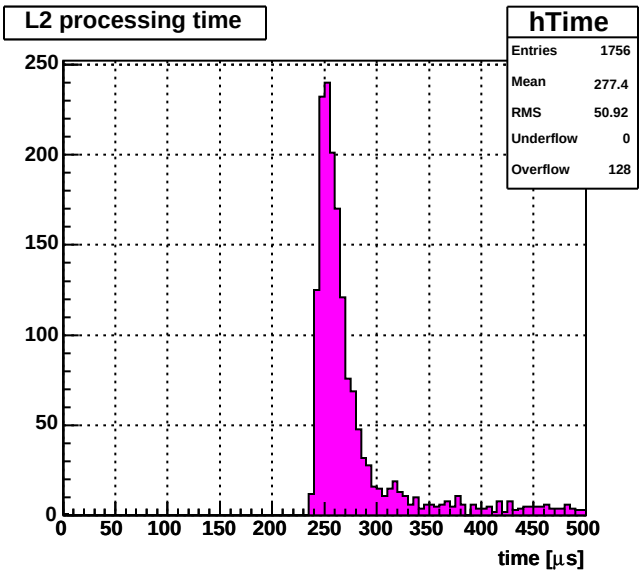

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1756
Mean 7.654
RMS 2.275
Underflow 0
Overflow 15
χ² / ndf 64.66 / 43
Constant 7.478 ± 0.110
Slope -0.4566 ± 0.0132
E [GeV]

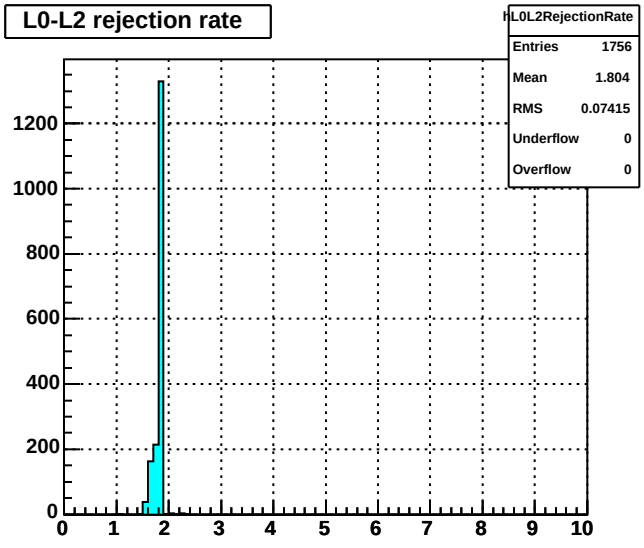

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1756
Mean 3.61
RMS 0.662
Underflow 0
Overflow 0
χ² / ndf 25.56 / 19
Constant 11.49 ± 0.15
Slope -1.701 ± 0.043
E [GeV]

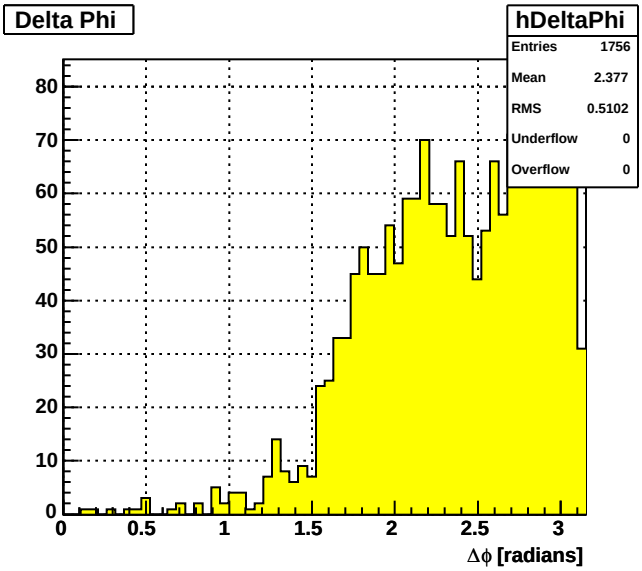

Invariant mass
hInvMass
Entries 1756
Mean 9.122
RMS 1.725
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

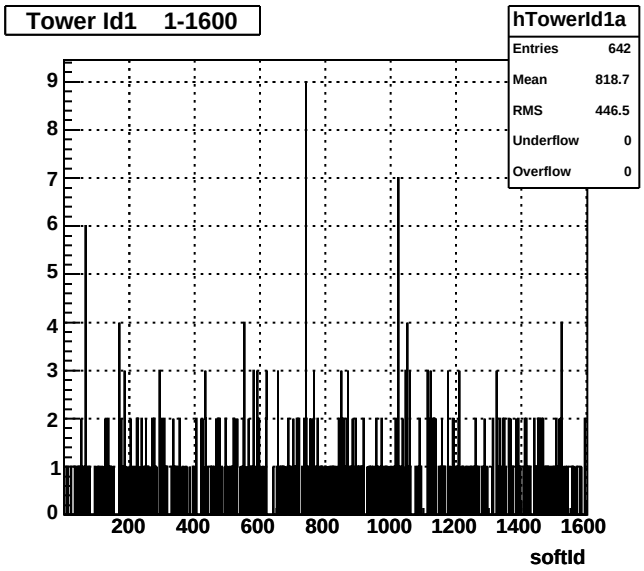

Opening angle
hCosTheta
Entries 1756
Mean -0.5501
RMS 0.2852
Underflow 0
Overflow 0
cos θ

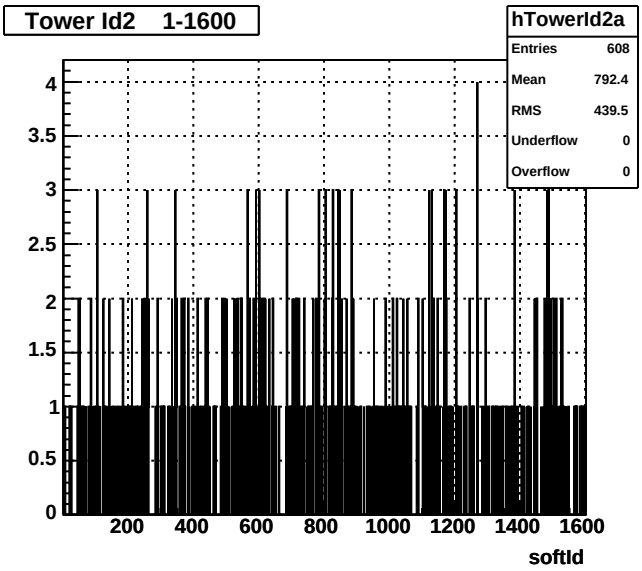

Number of hot towers
number of hot towers
events seen

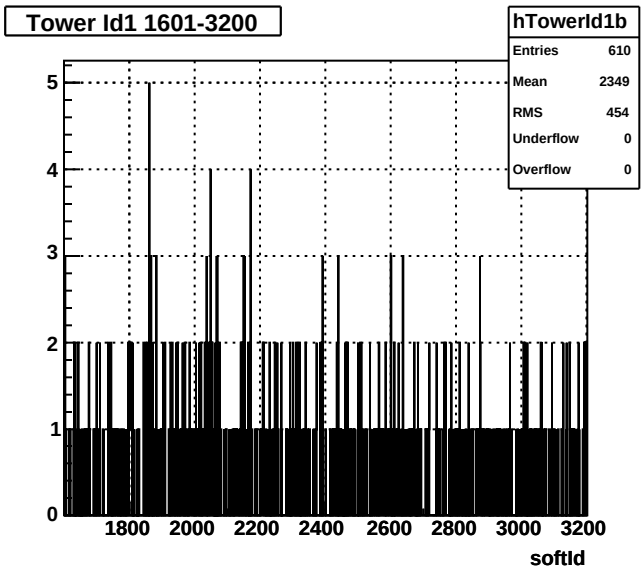

L2 processing time
hTime
Entries 1756
Mean 277.4
RMS 50.92
Underflow 0
Overflow 128
time [μs]

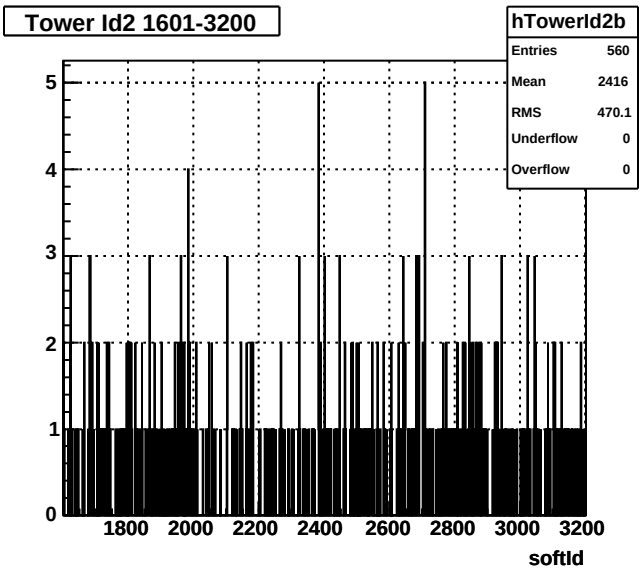

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1756
Mean 1.804
RMS 0.07415
Underflow 0
Overflow 0

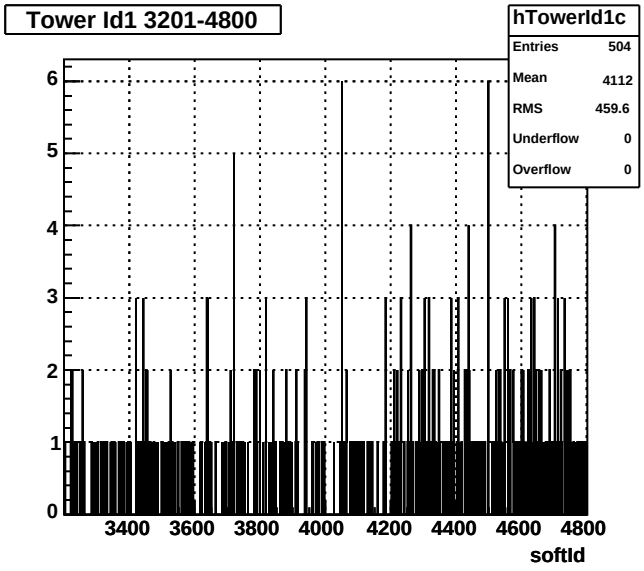

Delta Phi
hDeltaPhi
Entries 1756
Mean 2.377
RMS 0.5102
Underflow 0
Overflow 0
Δφ [radians]

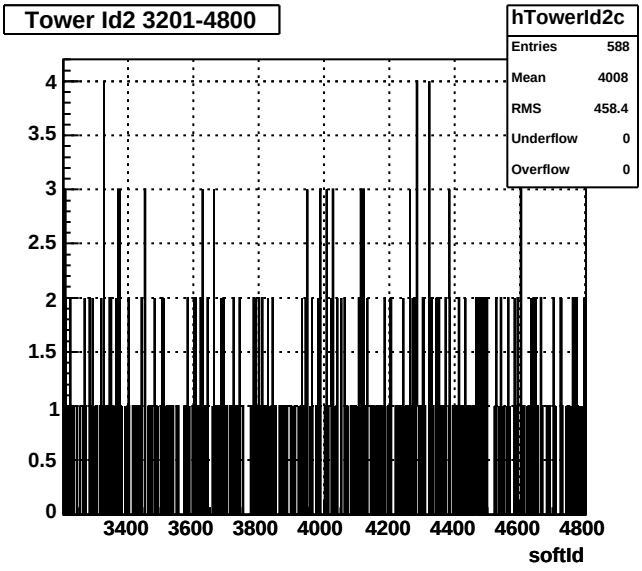

Tower Id1 1-1600
hTowerId1a
Entries 642
Mean 818.7
RMS 446.5
Underflow 0
Overflow 0
softId

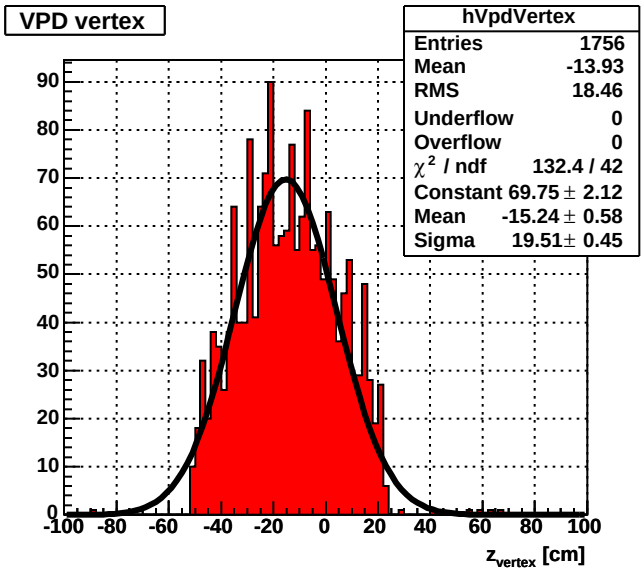

Tower Id2 1-1600
hTowerId2a
Entries 608
Mean 792.4
RMS 439.5
Underflow 0
Overflow 0
softId

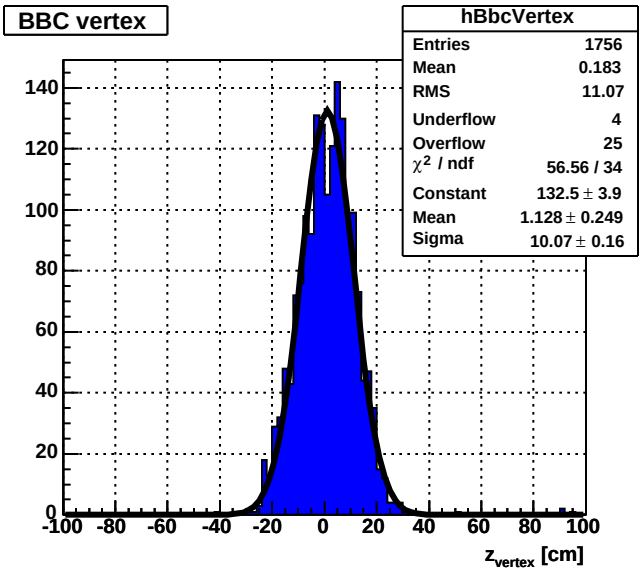

Tower Id1 1601-3200
hTowerId1b
Entries 610
Mean 2349
RMS 454
Underflow 0
Overflow 0
softId

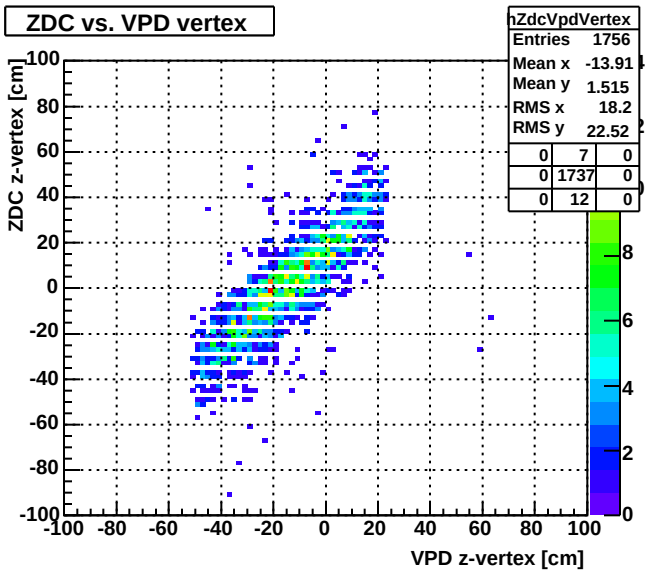

Tower Id2 1601-3200
hTowerId2b
Entries 560
Mean 2416
RMS 470.1
Underflow 0
Overflow 0
softId

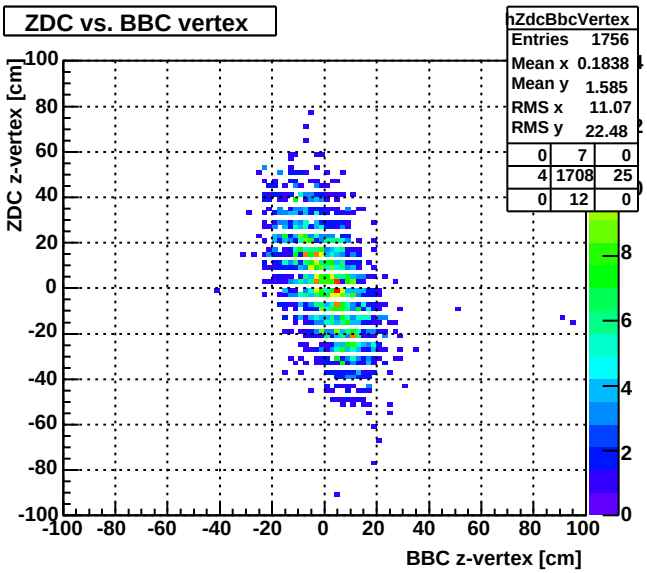

Tower Id1 3201-4800
hTowerId1c
Entries 504
Mean 4112
RMS 459.6
Underflow 0
Overflow 0
softId

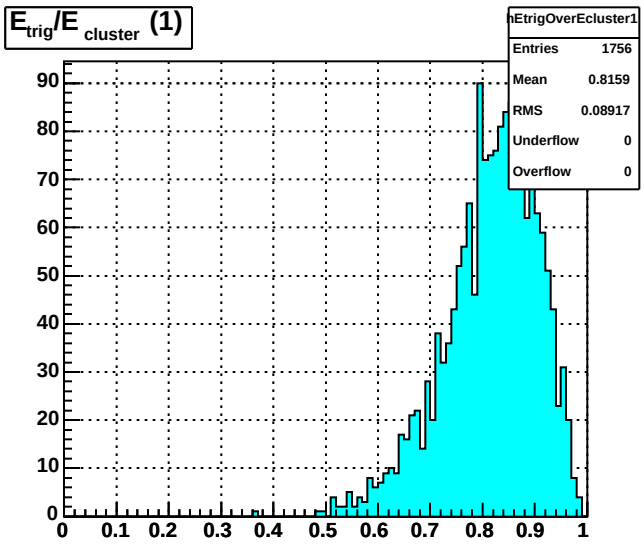

Tower Id2 3201-4800
hTowerId2c
Entries 588
Mean 4008
RMS 458.4
Underflow 0
Overflow 0
softId

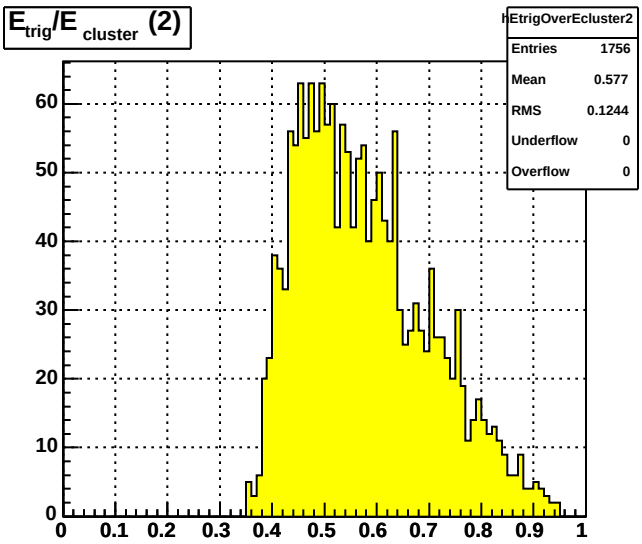

VPD vertex
hVpdVertex
Entries 1756
Mean -13.93
RMS 18.46
Underflow 0
Overflow 0
χ² / ndf 132.4 / 42
Constant 69.75 ± 2.12
Mean -15.24 ± 0.58
Sigma 19.51 ± 0.45
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1756
Mean 0.183
RMS 11.07
Underflow 4
Overflow 25
χ² / ndf 56.56 / 34
Constant 132.5 ± 3.9
Mean 1.128 ± 0.249
Sigma 10.07 ± 0.16
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1756
Mean x -13.91
Mean y 1.515
RMS x 18.2
RMS y 22.52
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1756
Mean x 0.1838
Mean y 1.585
RMS x 11.07
RMS y 22.48
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1756
Mean 0.8159
RMS 0.08917
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1756
Mean 0.577
RMS 0.1244
Underflow 0
Overflow 0