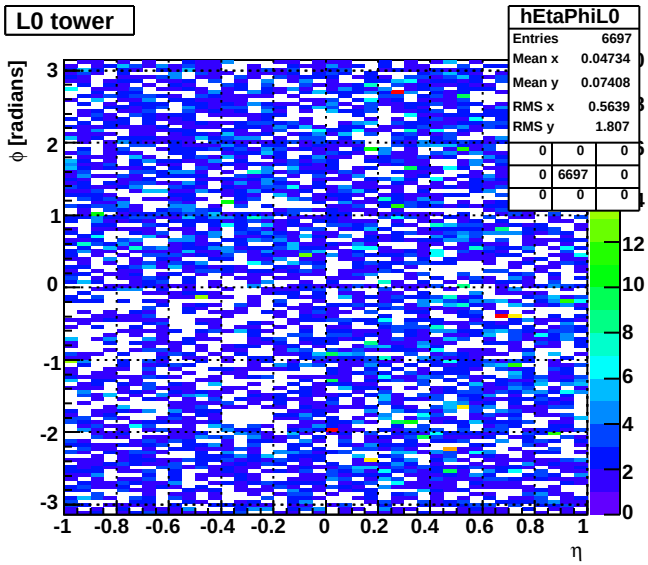
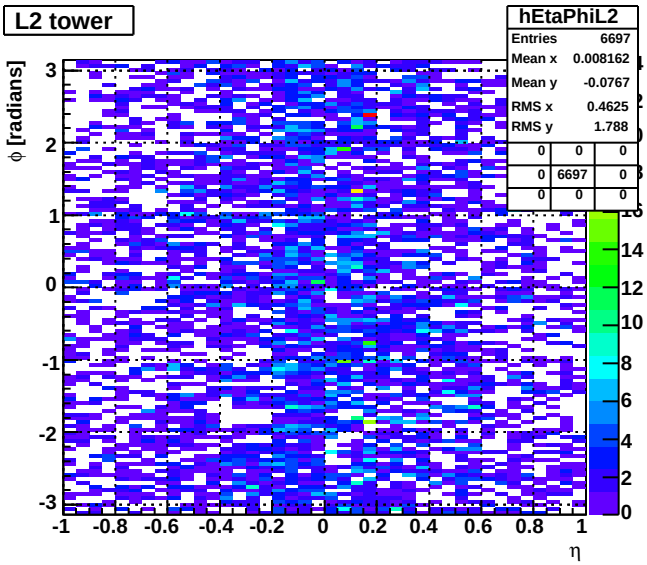
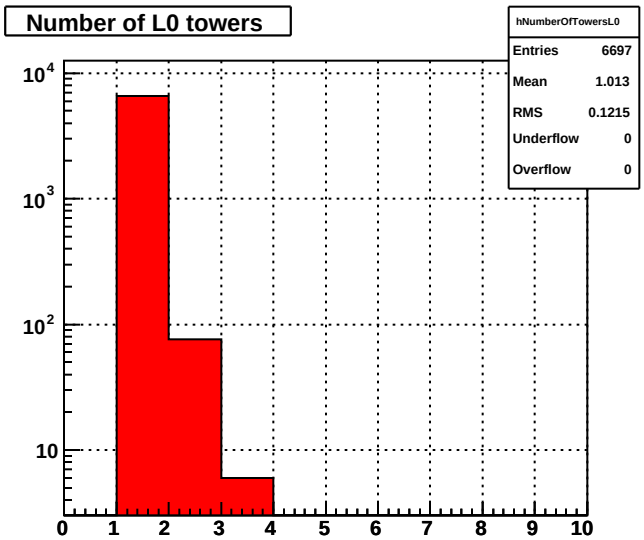
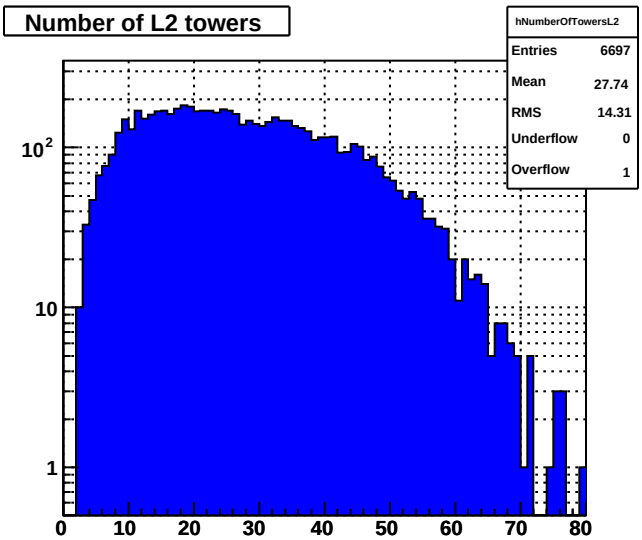
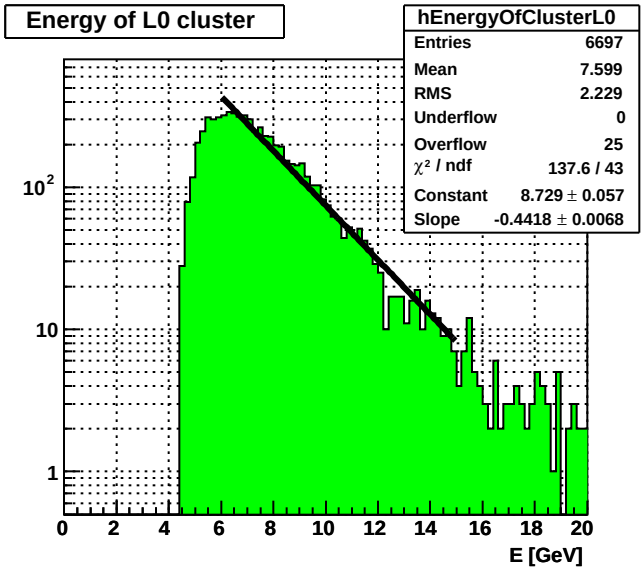
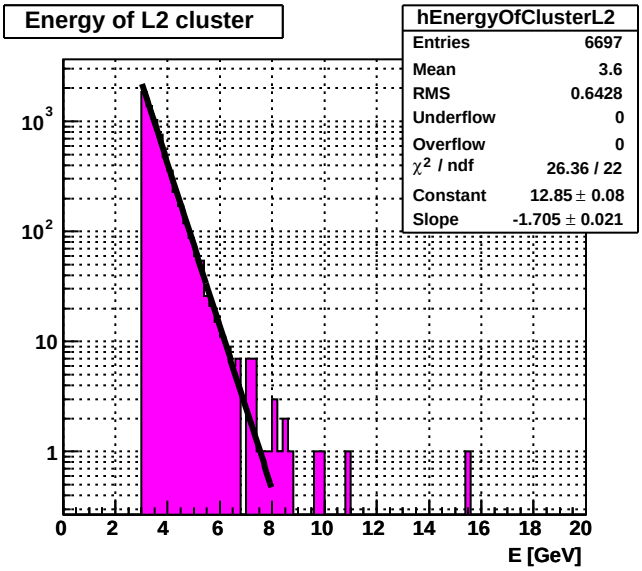

L0 tower
hEtaPhiL0
Entries 6697
Mean x 0.04734
Mean y 0.07408
RMS x 0.5639
RMS y 1.807
φ [radians]
η

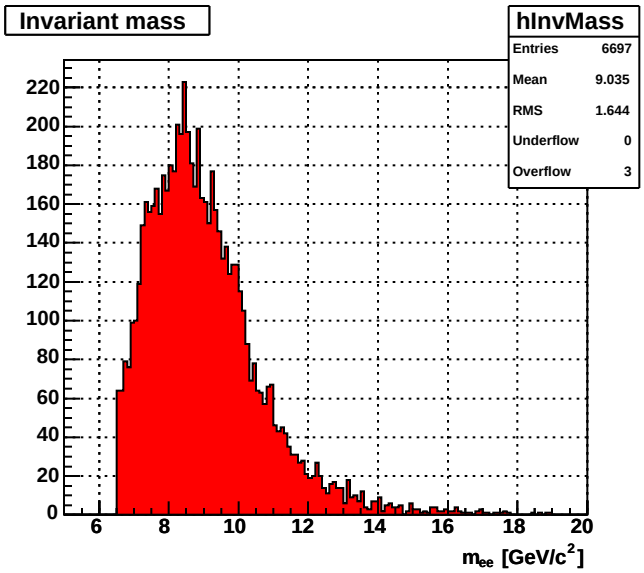

L2 tower
hEtaPhiL2
Entries 6697
Mean x 0.008162
Mean y -0.0767
RMS x 0.4625
RMS y 1.788
φ [radians]
η

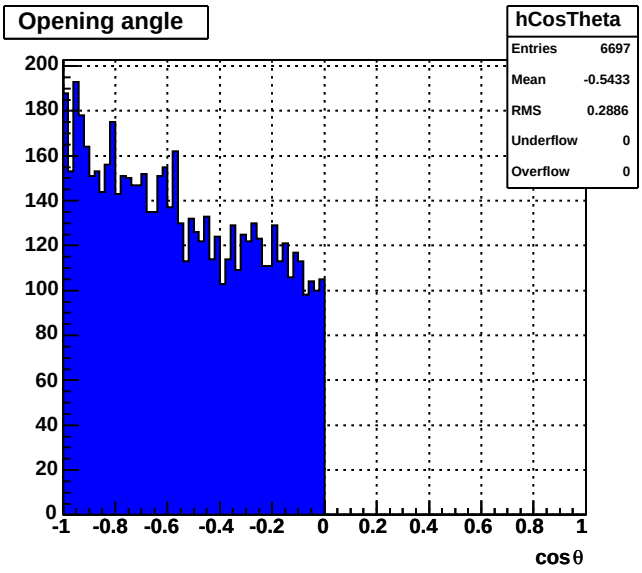

Number of L0 towers
hNumberOfTowersL0
Entries 6697
Mean 1.013
RMS 0.1215
Underflow 0
Overflow 0

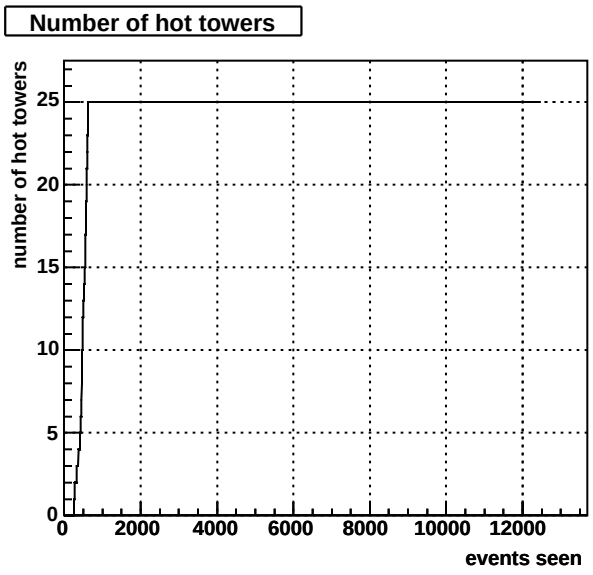

Number of L2 towers
hNumberOfTowersL2
Entries 6697
Mean 27.74
RMS 14.31
Underflow 0
Overflow 1

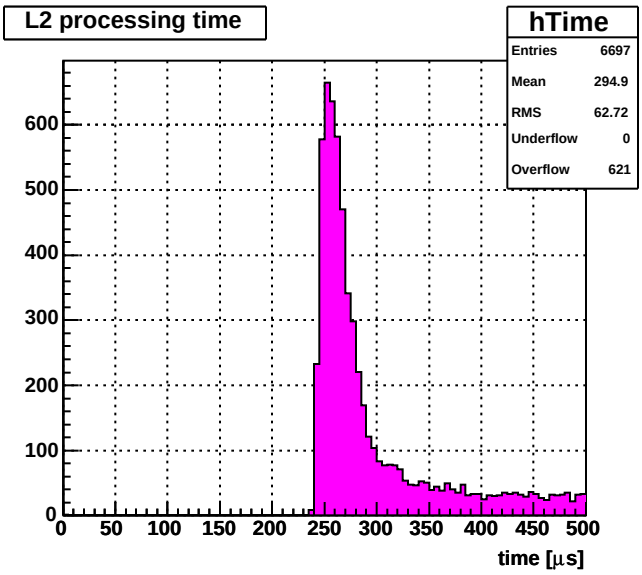

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6697
Mean 7.599
RMS 2.229
Underflow 0
Overflow 25
χ² / ndf 137.6 / 43
Constant 8.729 ± 0.057
Slope -0.4418 ± 0.0068
E [GeV]

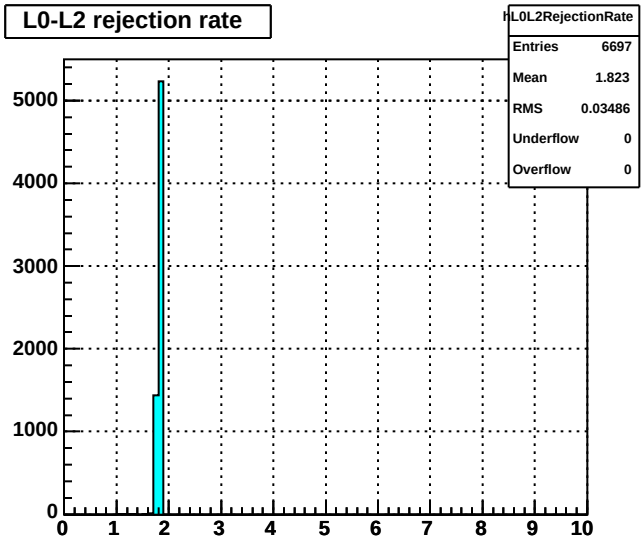

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6697
Mean 3.6
RMS 0.6428
Underflow 0
Overflow 0
χ² / ndf 26.36 / 22
Constant 12.85 ± 0.08
Slope -1.705 ± 0.021
E [GeV]

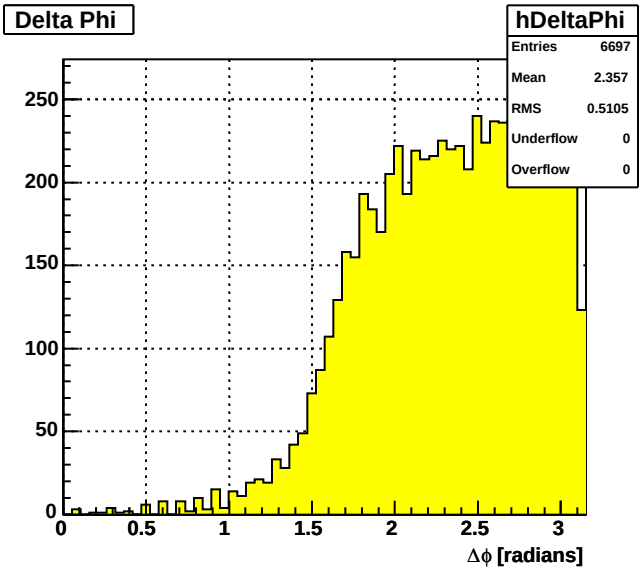

Invariant mass
hInvMass
Entries 6697
Mean 9.035
RMS 1.644
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

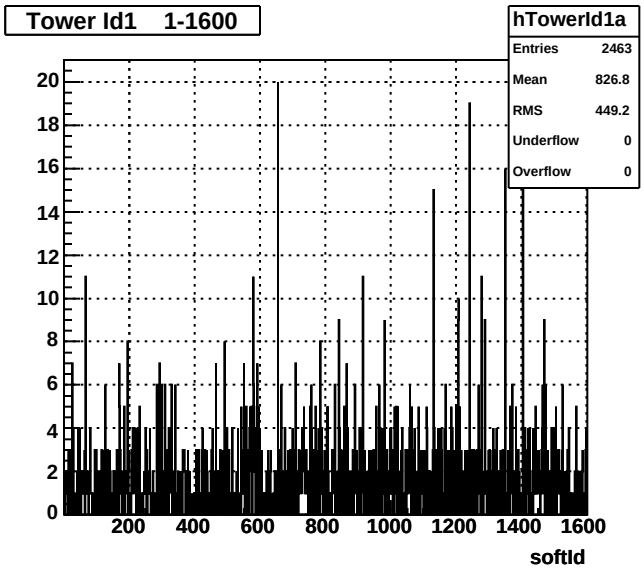

Opening angle
hCosTheta
Entries 6697
Mean -0.5433
RMS 0.2886
Underflow 0
Overflow 0
cos θ

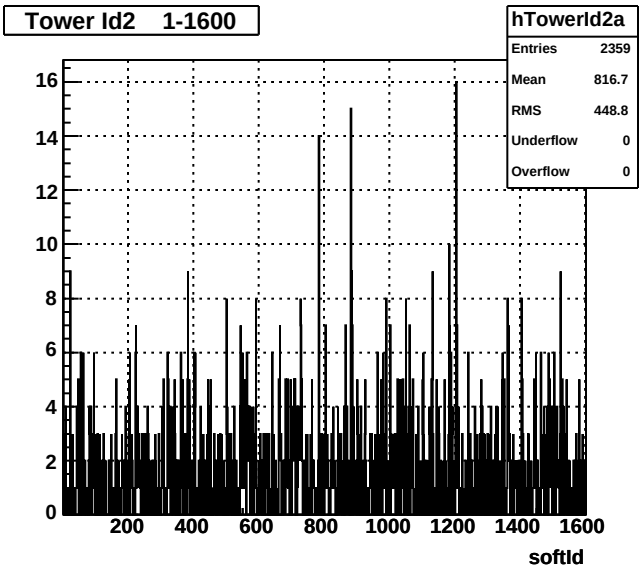

Number of hot towers
number of hot towers
events seen

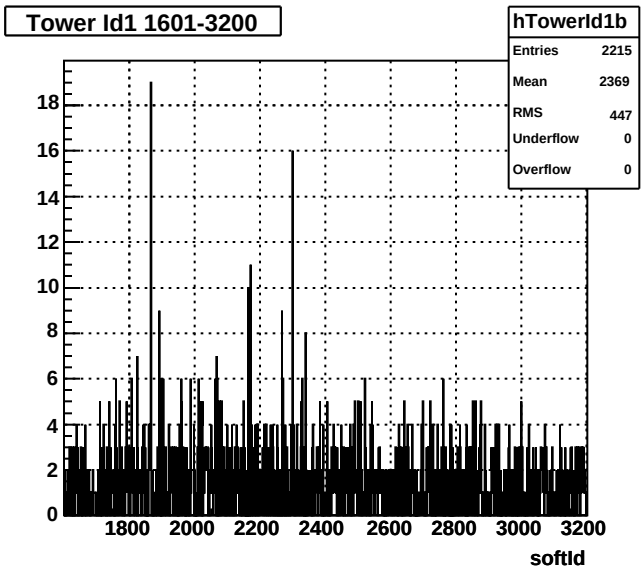

L2 processing time
hTime
Entries 6697
Mean 294.9
RMS 62.72
Underflow 0
Overflow 621
time [μs]

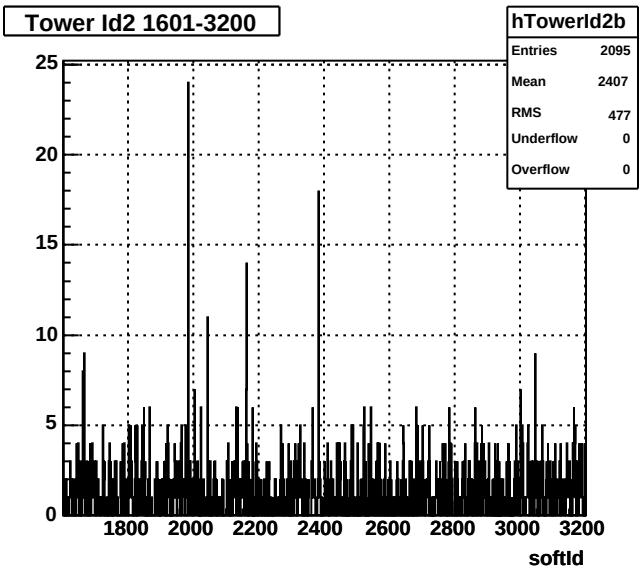

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6697
Mean 1.823
RMS 0.03486
Underflow 0
Overflow 0

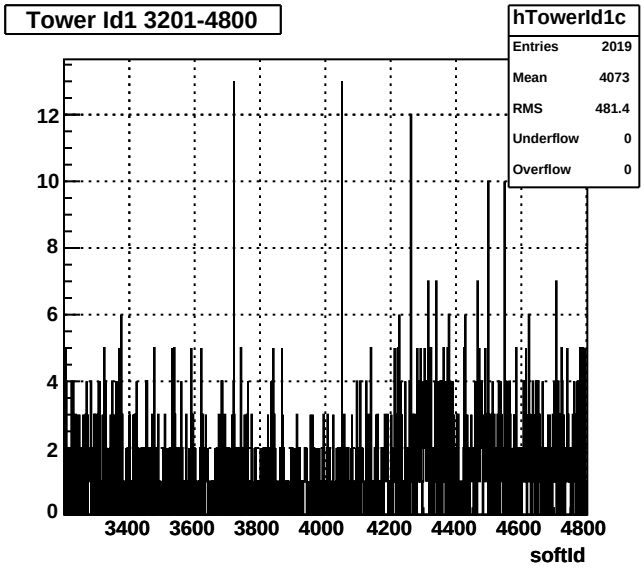

Delta Phi
hDeltaPhi
Entries 6697
Mean 2.357
RMS 0.5105
Underflow 0
Overflow 0
Δφ [radians]

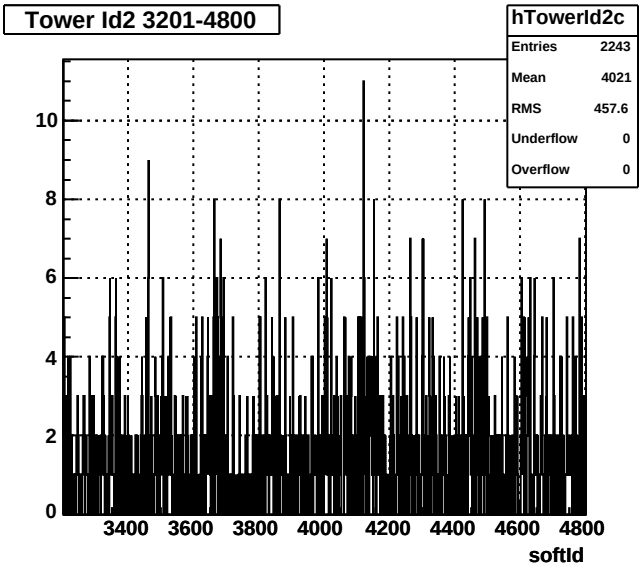

Tower Id1 1-1600
hTowerId1a
Entries 2463
Mean 826.8
RMS 449.2
Underflow 0
Overflow 0
softId

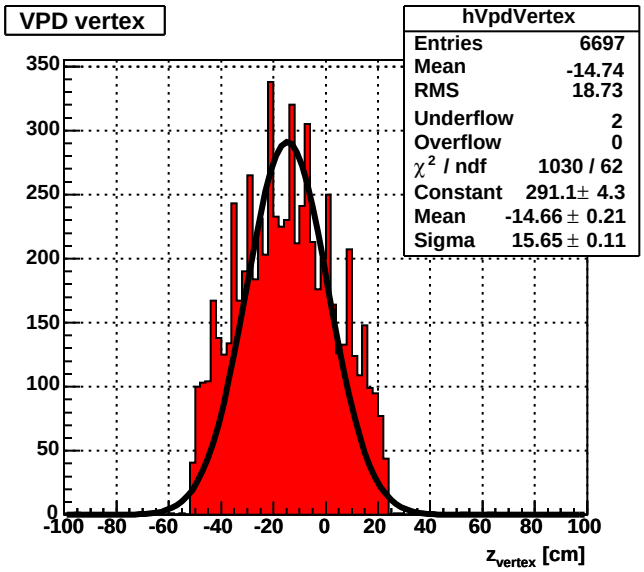

Tower Id2 1-1600
hTowerId2a
Entries 2359
Mean 816.7
RMS 448.8
Underflow 0
Overflow 0
softId

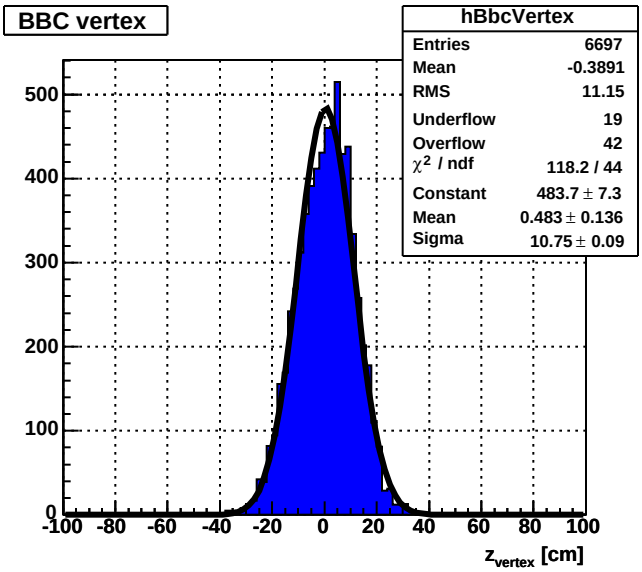

Tower Id1 1601-3200
hTowerId1b
Entries 2215
Mean 2369
RMS 447
Underflow 0
Overflow 0
softId

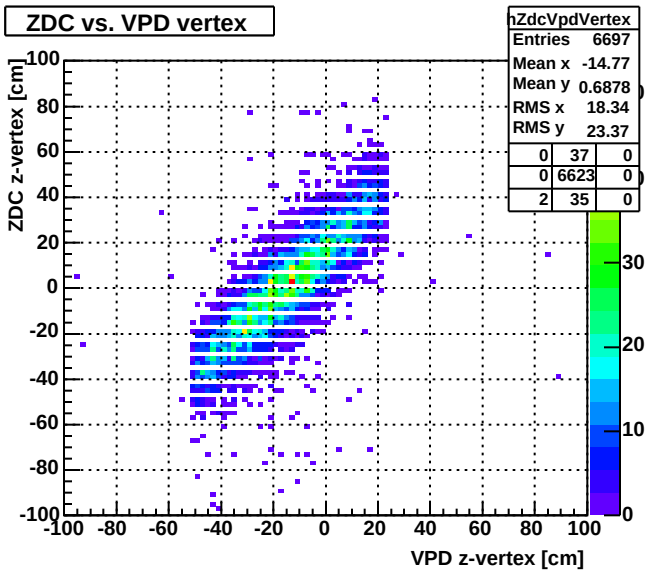

Tower Id2 1601-3200
hTowerId2b
Entries 2095
Mean 2407
RMS 477
Underflow 0
Overflow 0
softId

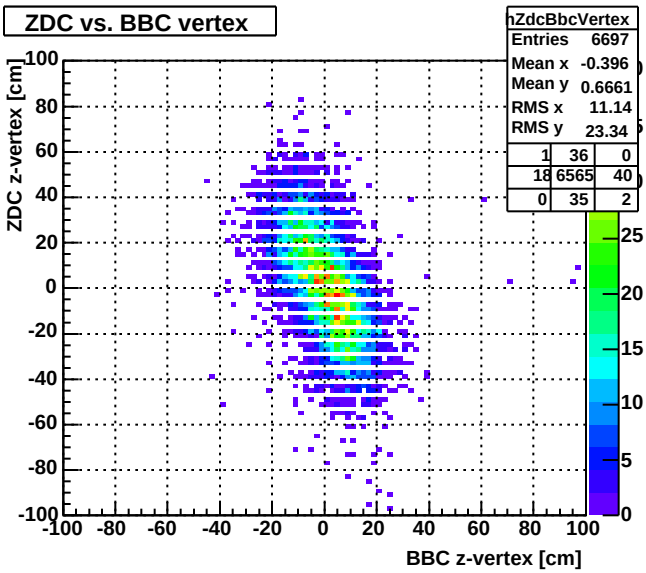

Tower Id1 3201-4800
hTowerId1c
Entries 2019
Mean 4073
RMS 481.4
Underflow 0
Overflow 0
softId

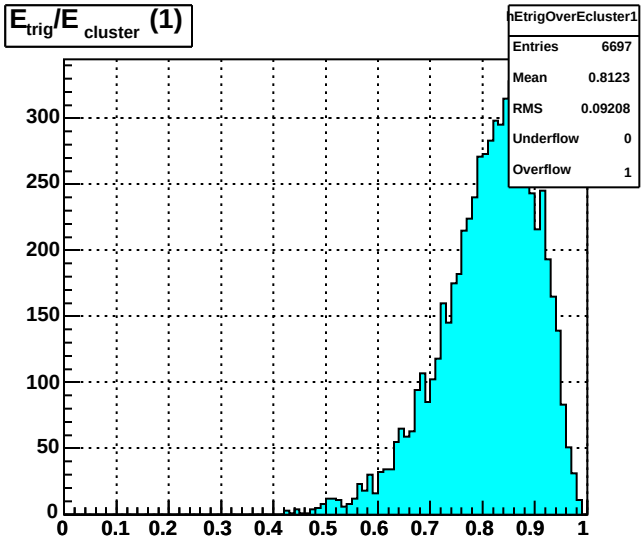

Tower Id2 3201-4800
hTowerId2c
Entries 2243
Mean 4021
RMS 457.6
Underflow 0
Overflow 0
softId

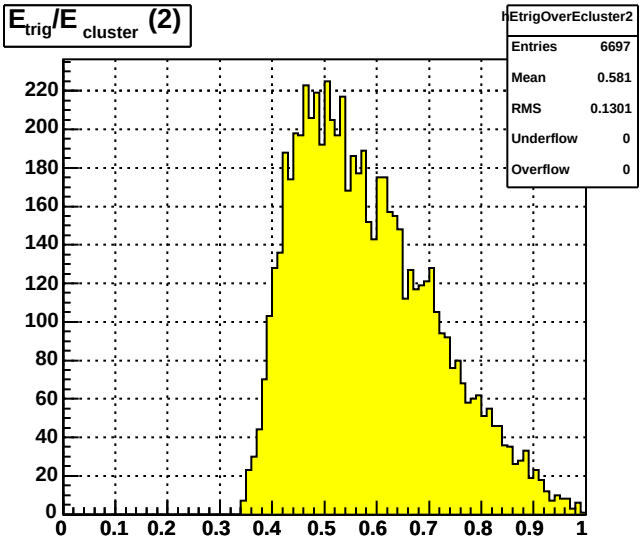

VPD vertex
hVpdVertex
Entries 6697
Mean -14.74
RMS 18.73
Underflow 2
Overflow 0
χ² / ndf 1030 / 62
Constant 291.1 ± 4.3
Mean -14.66 ± 0.21
Sigma 15.65 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6697
Mean -0.3891
RMS 11.15
Underflow 19
Overflow 42
χ² / ndf 118.2 / 44
Constant 483.7 ± 7.3
Mean 0.483 ± 0.136
Sigma 10.75 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6697
Mean x -14.77
Mean y 0.6878
RMS x 18.34
RMS y 23.37
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6697
Mean x -0.396
Mean y 0.6661
RMS x 11.14
RMS y 23.34
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6697
Mean 0.8123
RMS 0.09208
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6697
Mean 0.581
RMS 0.1301
Underflow 0
Overflow 0