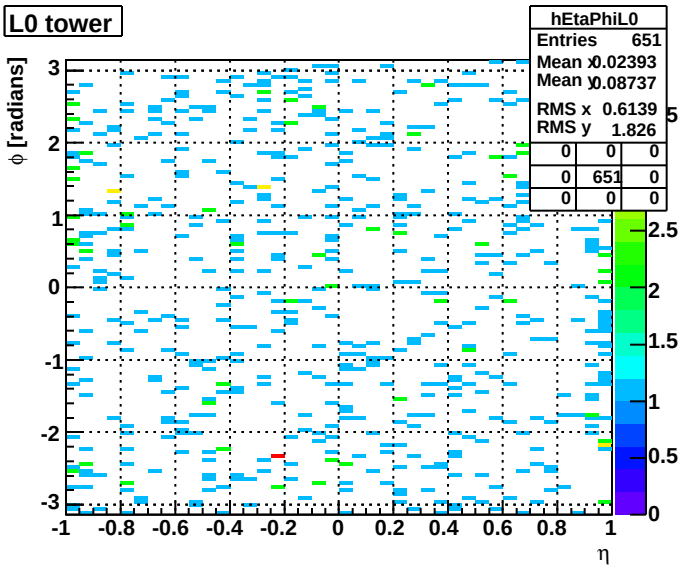
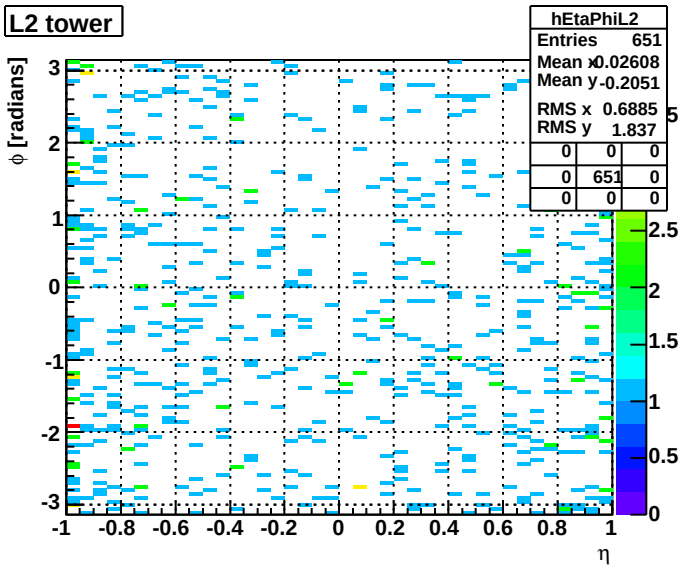
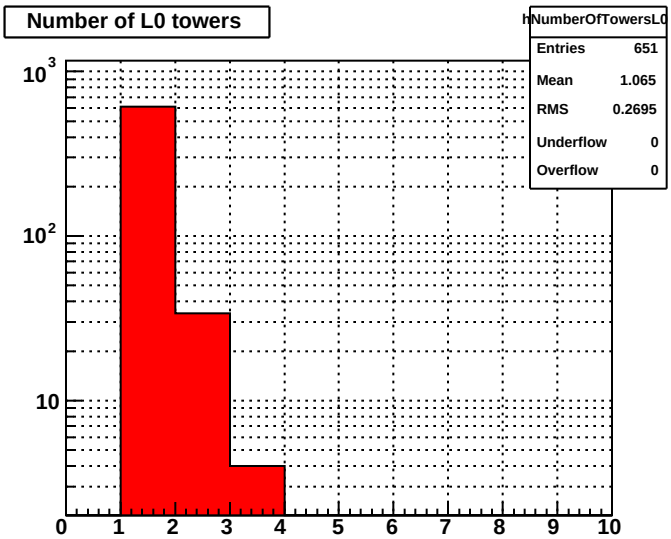
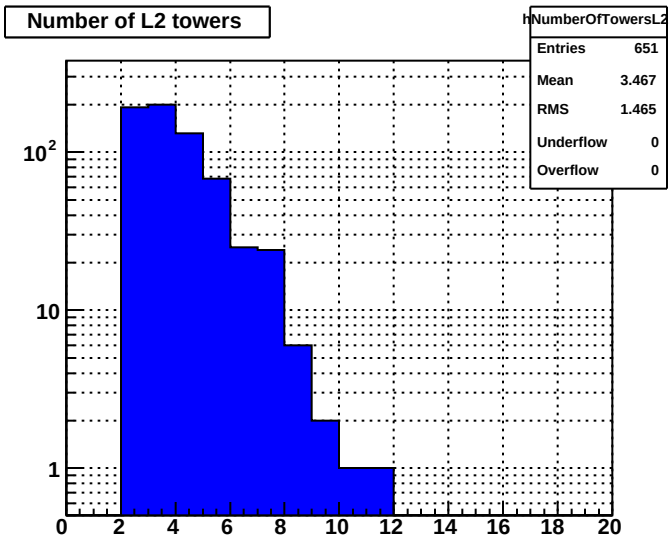
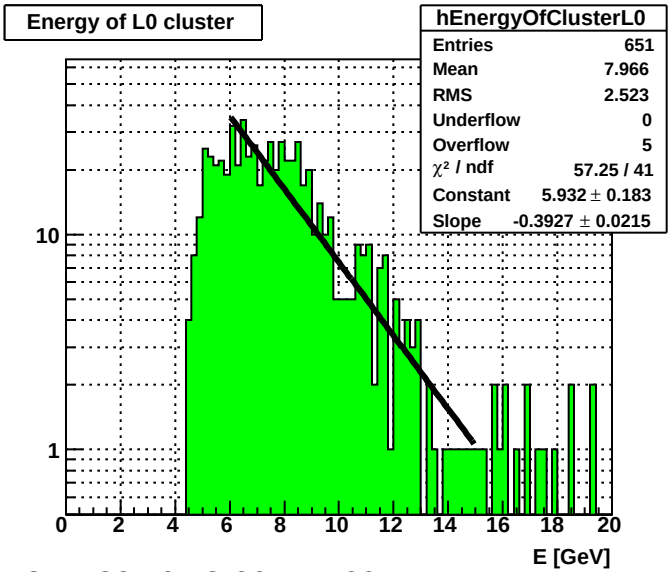
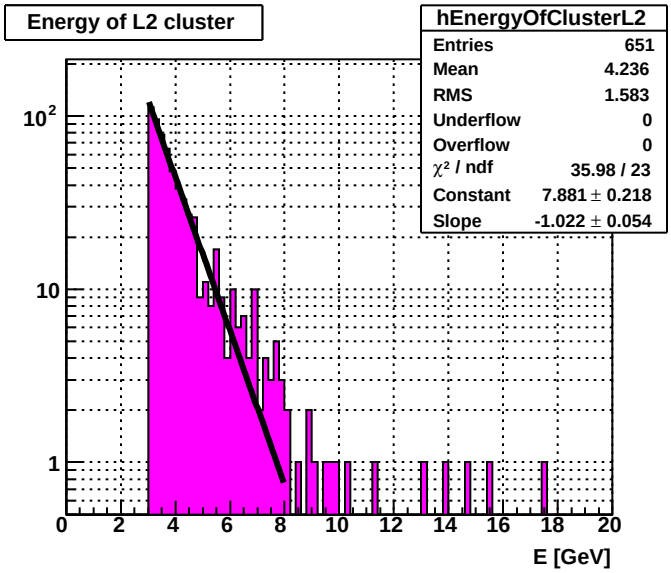

L0 tower
hEtaPhiL0
Entries 651
Mean x 0.02393
Mean y 0.08737
RMS x 0.6139
RMS y 1.826
φ [radians]
η

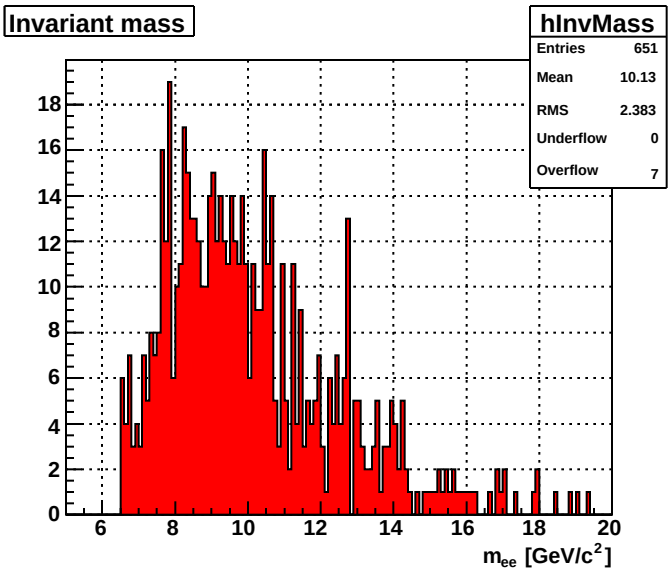

L2 tower
hEtaPhiL2
Entries 651
Mean x 0.02608
Mean y -0.2051
RMS x 0.6885
RMS y 1.837
φ [radians]
η

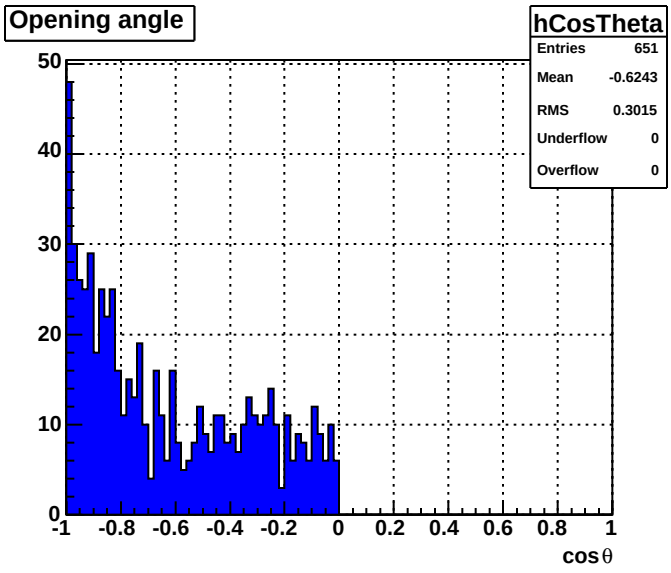

Number of L0 towers
hNumberOfTowersL0
Entries 651
Mean 1.065
RMS 0.2695
Underflow 0
Overflow 0

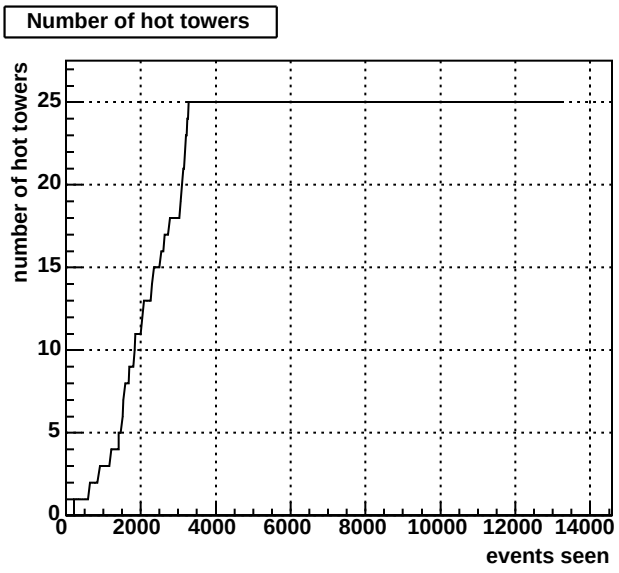

Number of L2 towers
hNumberOfTowersL2
Entries 651
Mean 3.467
RMS 1.465
Underflow 0
Overflow 0

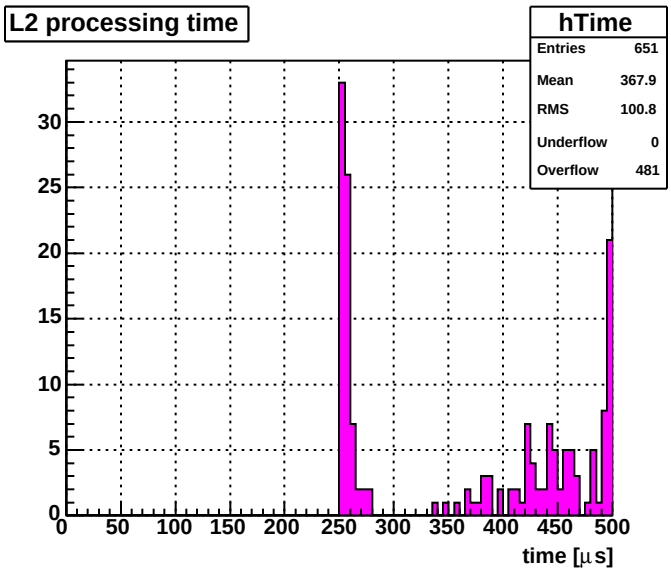

Energy of L0 cluster
hEnergyOfClusterL0
Entries 651
Mean 7.966
RMS 2.523
Underflow 0
Overflow 5
χ² / ndf 57.25 / 41
Constant 5.932 ± 0.183
Slope -0.3927 ± 0.0215
E [GeV]

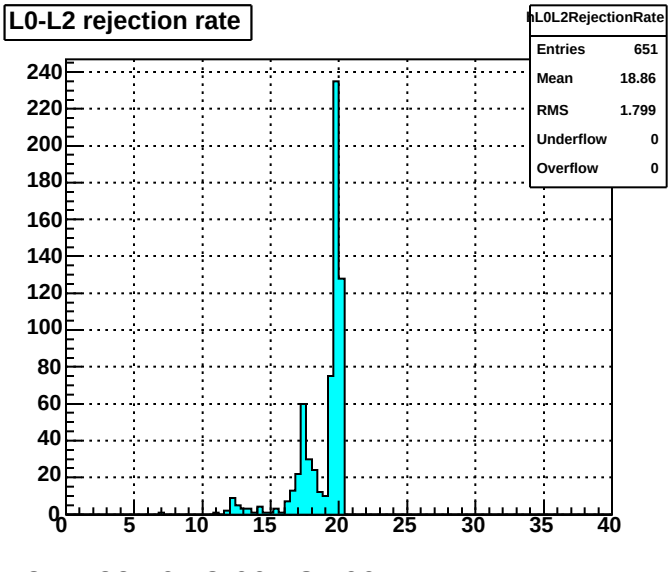

Energy of L2 cluster
hEnergyOfClusterL2
Entries 651
Mean 4.236
RMS 1.583
Underflow 0
Overflow 0
χ² / ndf 35.98 / 23
Constant 7.881 ± 0.218
Slope -1.022 ± 0.054
E [GeV]

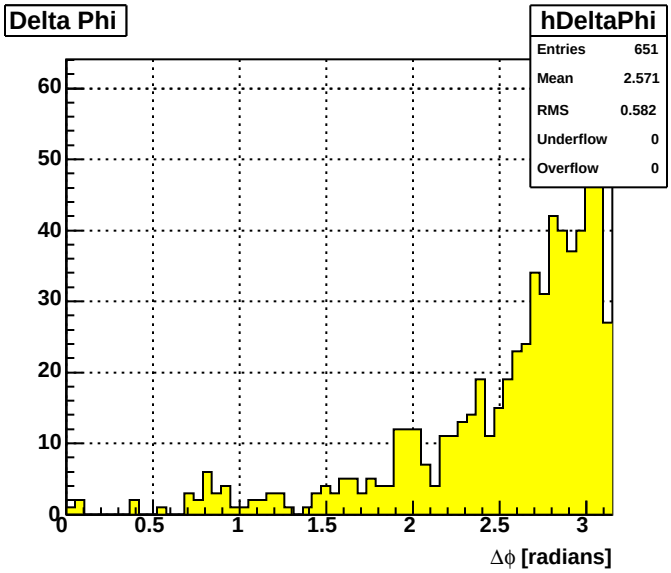

Invariant mass
hInvMass
Entries 651
Mean 10.13
RMS 2.383
Underflow 0
Overflow 7
$m_{ee}$ [GeV/$c^2$]

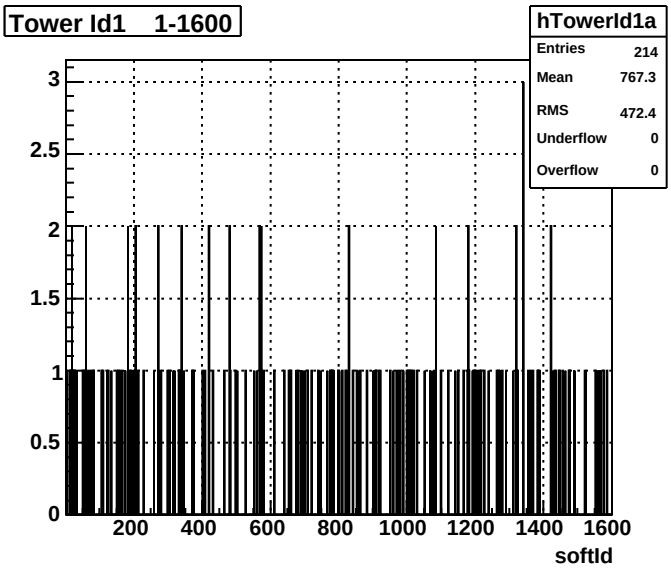

Opening angle
hCosTheta
Entries 651
Mean -0.6243
RMS 0.3015
Underflow 0
Overflow 0
cos θ

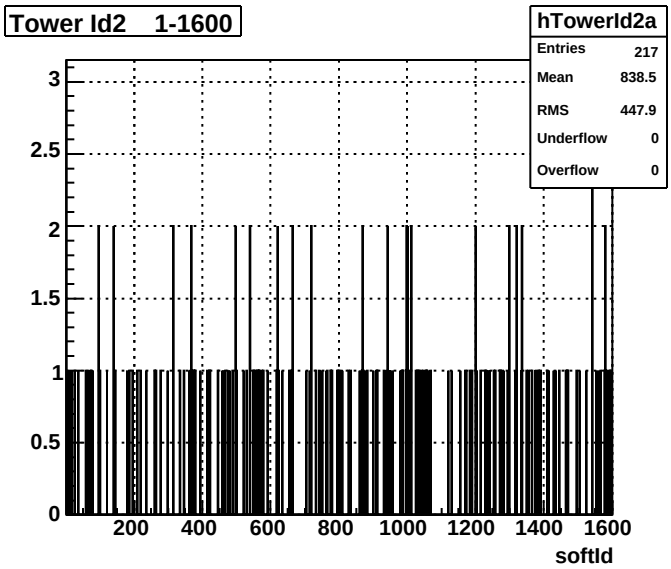

Number of hot towers
number of hot towers
events seen

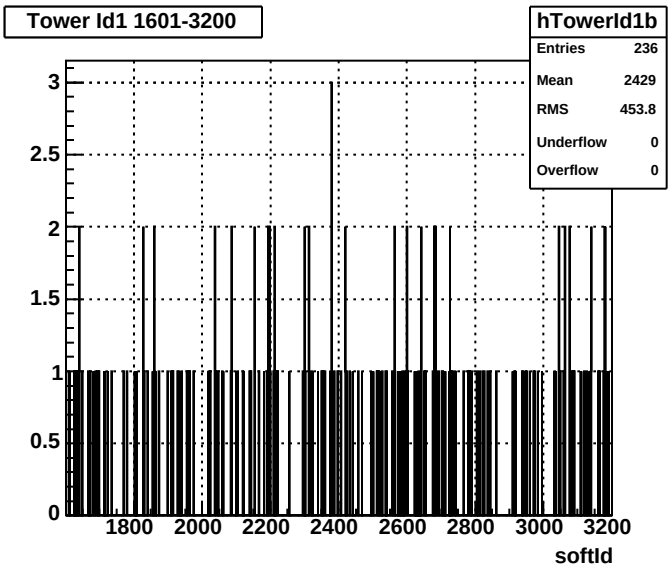

L2 processing time
hTime
Entries 651
Mean 367.9
RMS 100.8
Underflow 0
Overflow 481
time [μs]

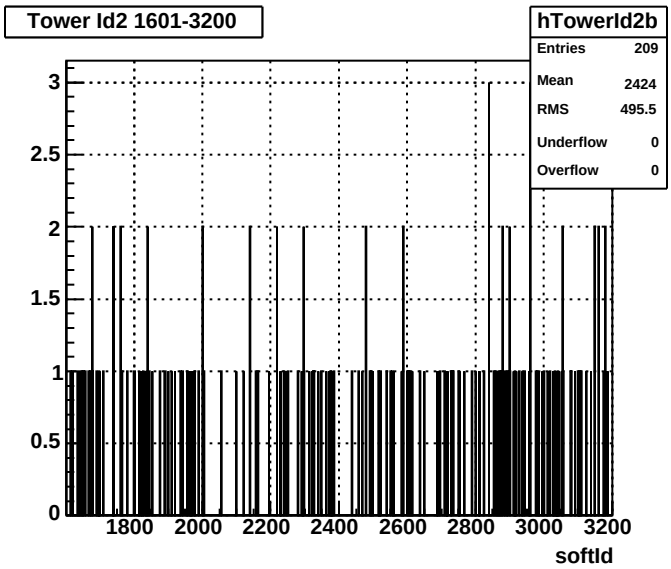

L0-L2 rejection rate
hL0L2RejectionRate
Entries 651
Mean 18.86
RMS 1.799
Underflow 0
Overflow 0

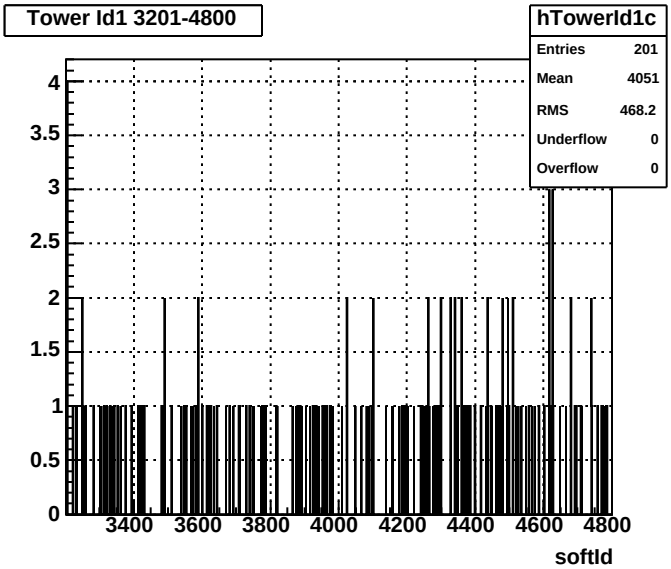

Delta Phi
hDeltaPhi
Entries 651
Mean 2.571
RMS 0.582
Underflow 0
Overflow 0
Δφ [radians]

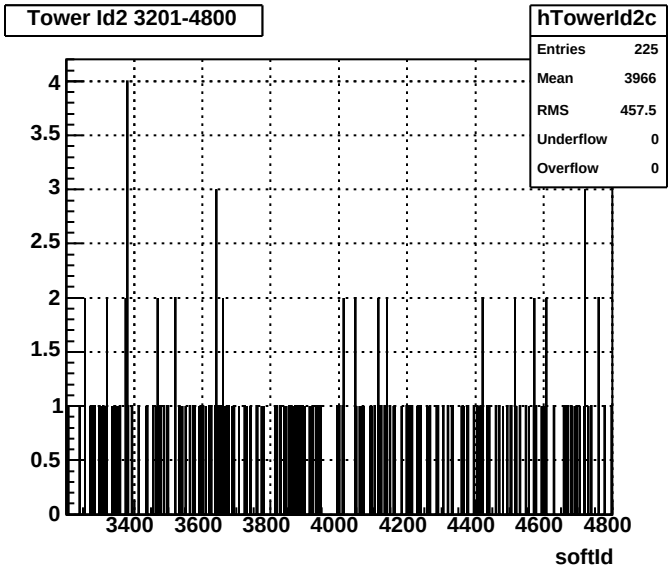

Tower Id1 1-1600
hTowerId1a
Entries 214
Mean 767.3
RMS 472.4
Underflow 0
Overflow 0
softId

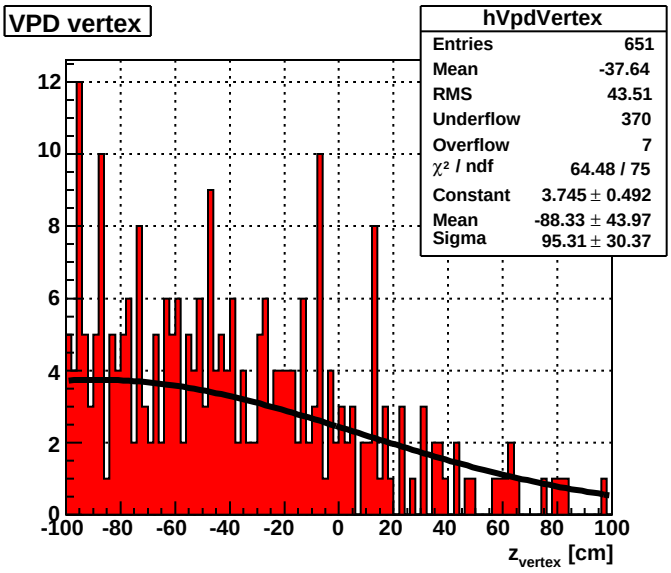

Tower Id2 1-1600
hTowerId2a
Entries 217
Mean 838.5
RMS 447.9
Underflow 0
Overflow 0
softId

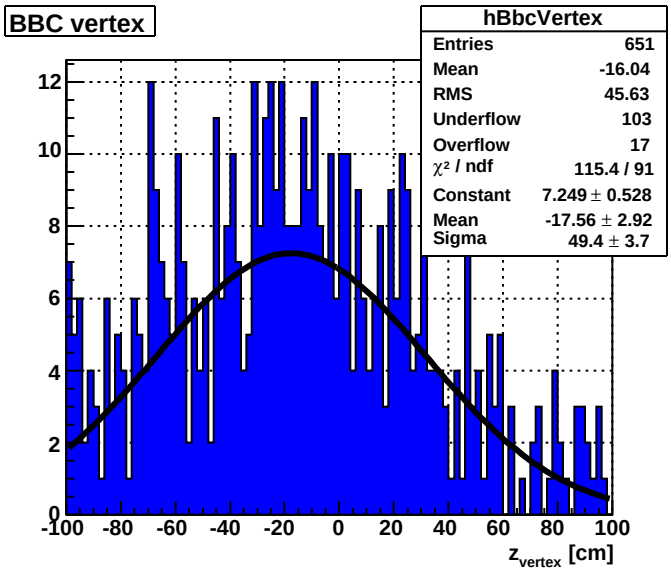

Tower Id1 1601-3200
hTowerId1b
Entries 236
Mean 2429
RMS 453.8
Underflow 0
Overflow 0
softId

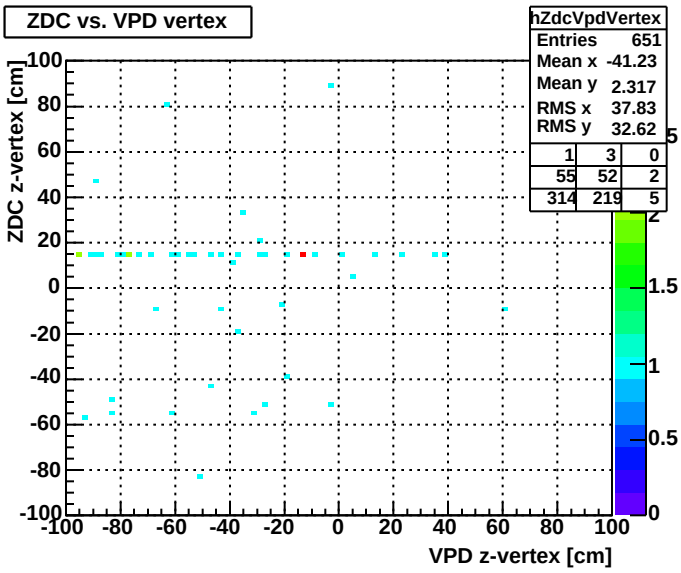

Tower Id2 1601-3200
hTowerId2b
Entries 209
Mean 2424
RMS 495.5
Underflow 0
Overflow 0
softId

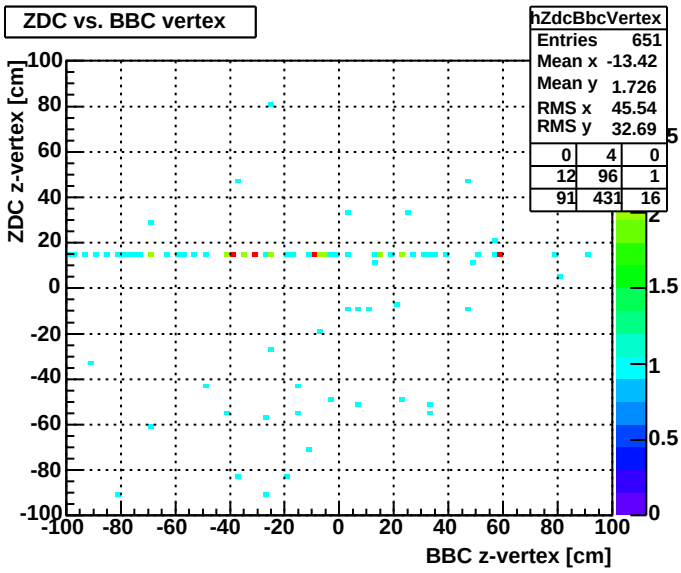

Tower Id1 3201-4800
hTowerId1c
Entries 201
Mean 4051
RMS 468.2
Underflow 0
Overflow 0
softId

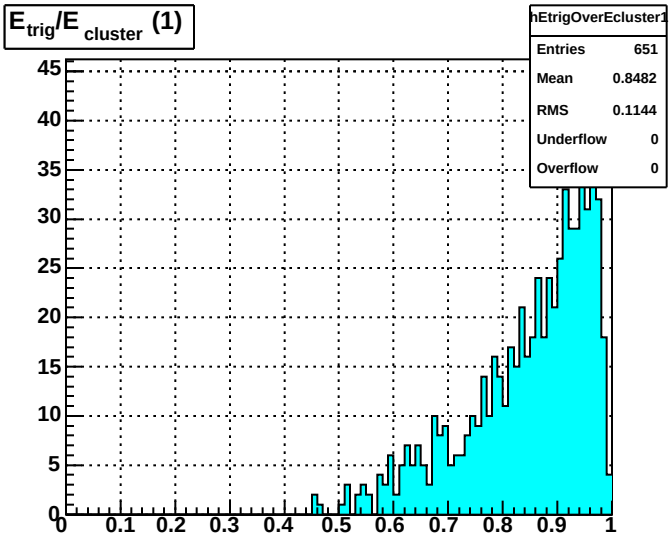

Tower Id2 3201-4800
hTowerId2c
Entries 225
Mean 3966
RMS 457.5
Underflow 0
Overflow 0
softId

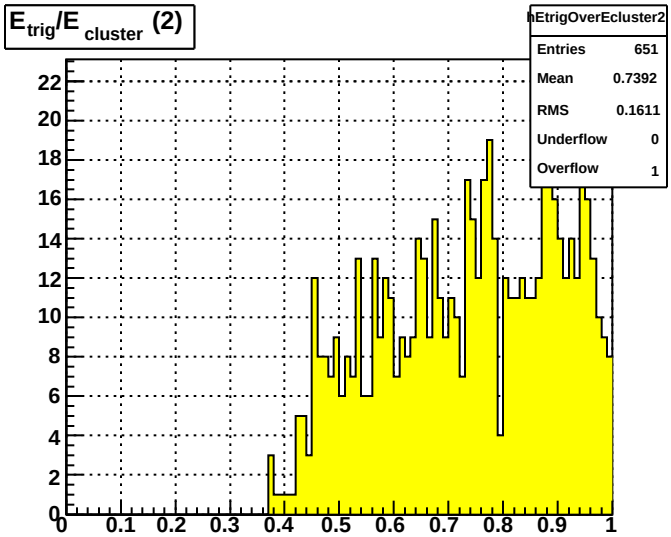

VPD vertex
hVpdVertex
Entries 651
Mean -37.64
RMS 43.51
Underflow 370
Overflow 7
χ² / ndf 64.48 / 75
Constant 3.745 ± 0.492
Mean -88.33 ± 43.97
Sigma 95.31 ± 30.37
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 651
Mean -16.04
RMS 45.63
Underflow 103
Overflow 17
χ² / ndf 115.4 / 91
Constant 7.249 ± 0.528
Mean -17.56 ± 2.92
Sigma 49.4 ± 3.7
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 651
Mean x -41.23
Mean y 2.317
RMS x 37.83
RMS y 32.62
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 651
Mean x -13.42
Mean y 1.726
RMS x 45.54
RMS y 32.69
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 651
Mean 0.8482
RMS 0.1144
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 651
Mean 0.7392
RMS 0.1611
Underflow 0
Overflow 1