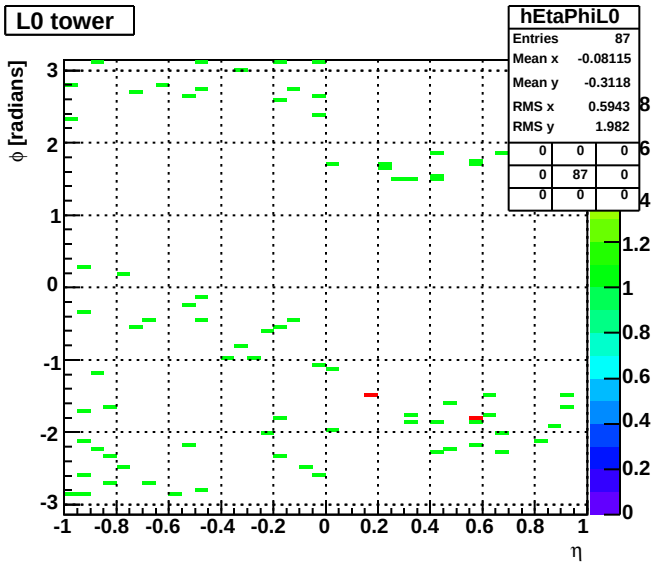
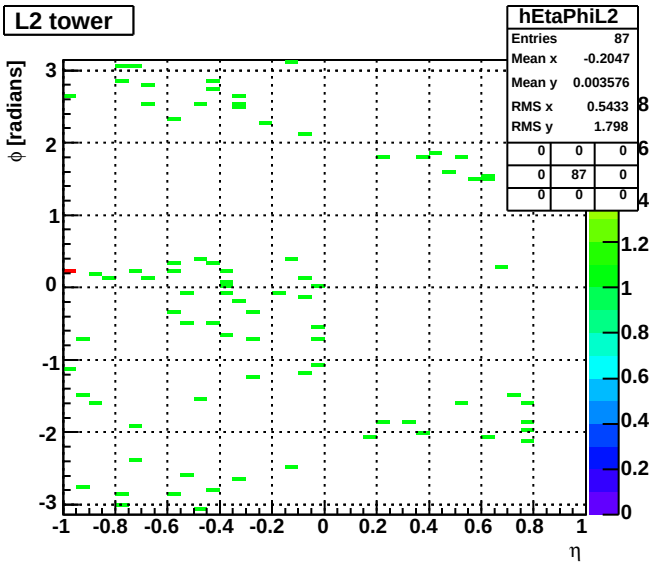
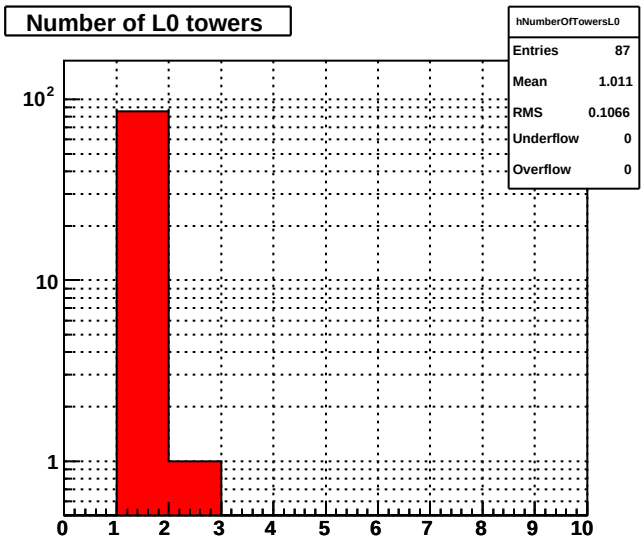
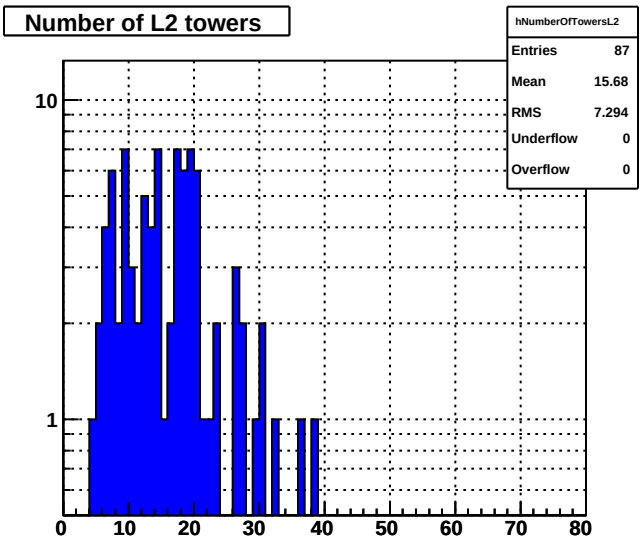
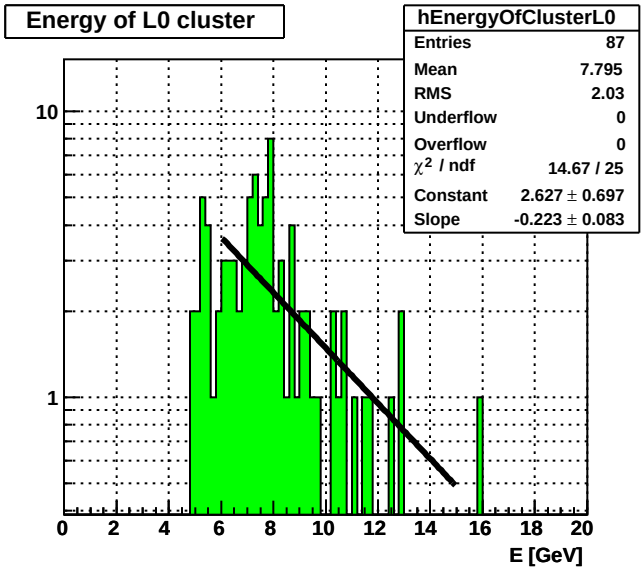
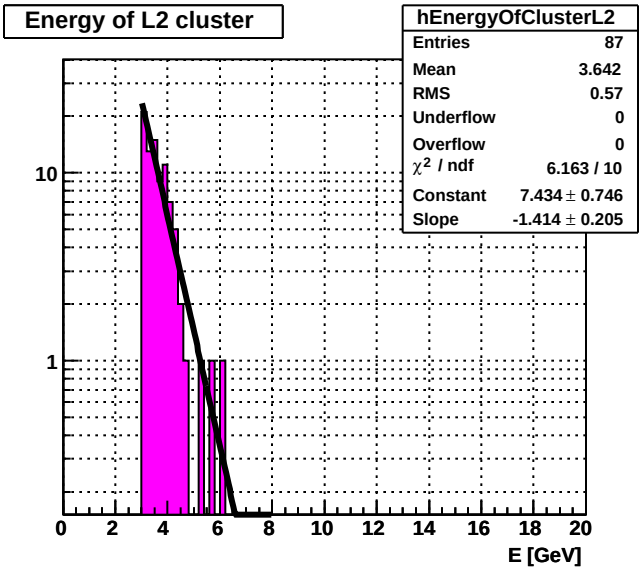

L0 tower
hEtaPhiL0
Entries 87
Mean x -0.08115
Mean y -0.3118
RMS x 0.5943
RMS y 1.982
φ [radians]
η

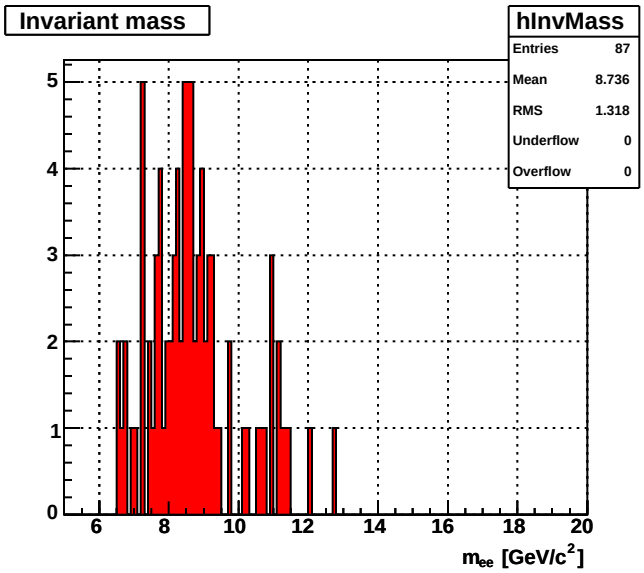

L2 tower
hEtaPhiL2
Entries 87
Mean x -0.2047
Mean y 0.003576
RMS x 0.5433
RMS y 1.798
φ [radians]
η

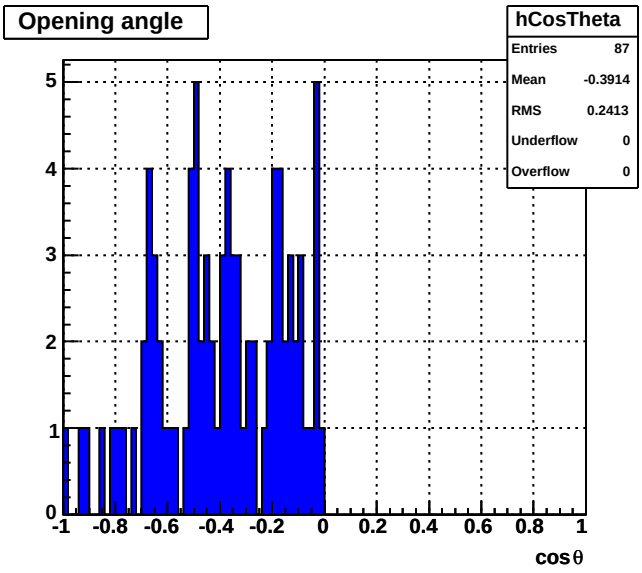

Number of L0 towers
hNumberOfTowersL0
Entries 87
Mean 1.011
RMS 0.1066
Underflow 0
Overflow 0

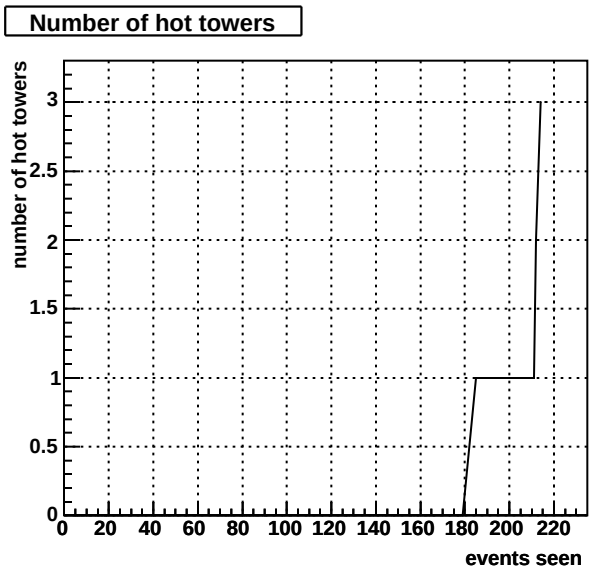

Number of L2 towers
hNumberOfTowersL2
Entries 87
Mean 15.68
RMS 7.294
Underflow 0
Overflow 0

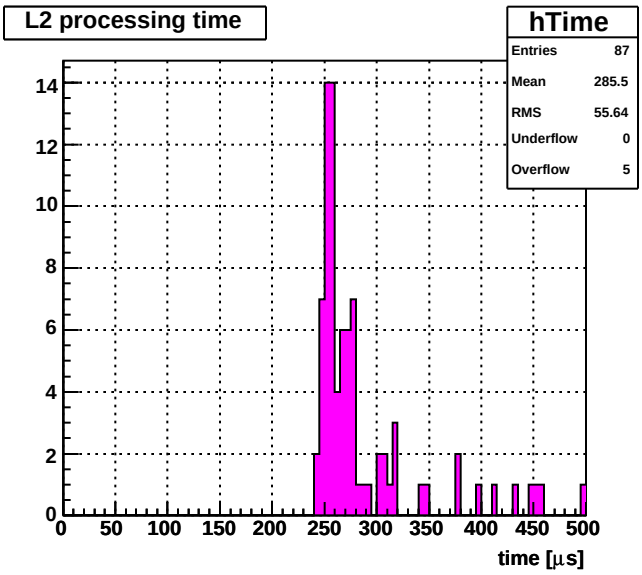

Energy of L0 cluster
hEnergyOfClusterL0
Entries 87
Mean 7.795
RMS 2.03
Underflow 0
Overflow 0
χ² / ndf 14.67 / 25
Constant 2.627 ± 0.697
Slope -0.223 ± 0.083
E [GeV]

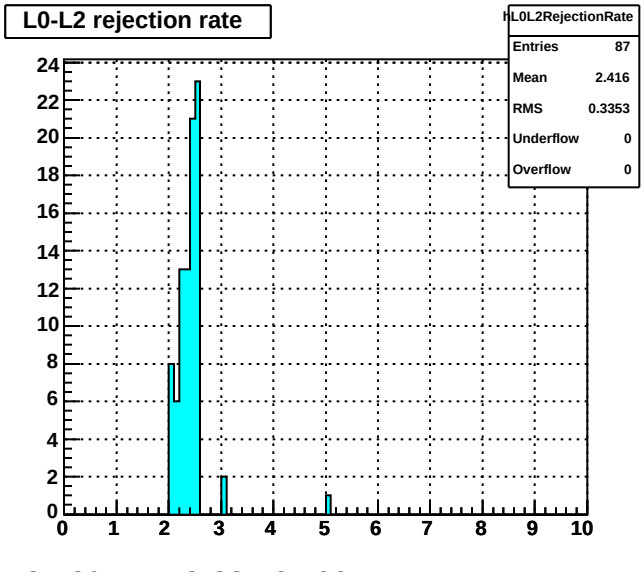

Energy of L2 cluster
hEnergyOfClusterL2
Entries 87
Mean 3.642
RMS 0.57
Underflow 0
Overflow 0
χ² / ndf 6.163 / 10
Constant 7.434 ± 0.746
Slope -1.414 ± 0.205
E [GeV]

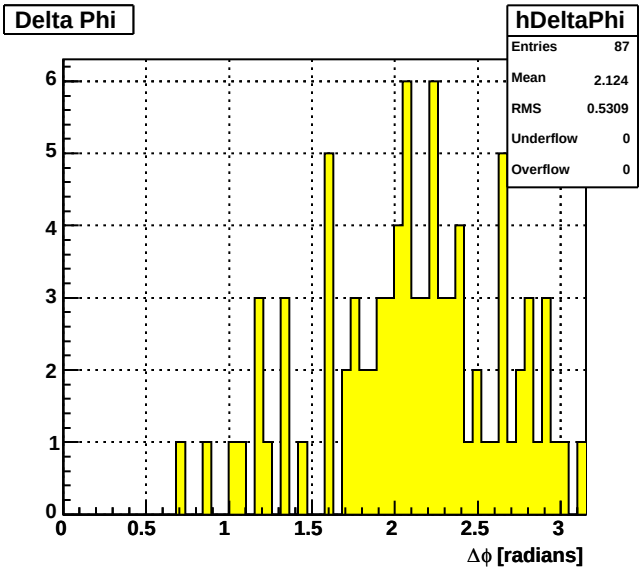

Invariant mass
hInvMass
Entries 87
Mean 8.736
RMS 1.318
Underflow 0
Overflow 0
$m_{ee}$ [GeV/$c^2$]

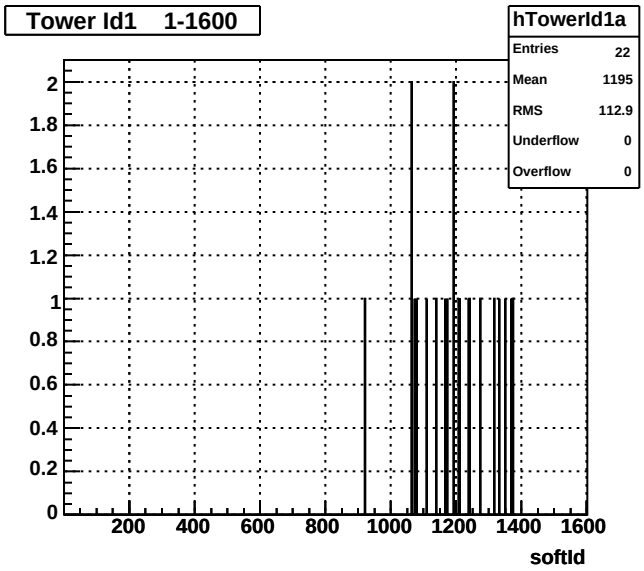

Opening angle
hCosTheta
Entries 87
Mean -0.3914
RMS 0.2413
Underflow 0
Overflow 0
cos θ

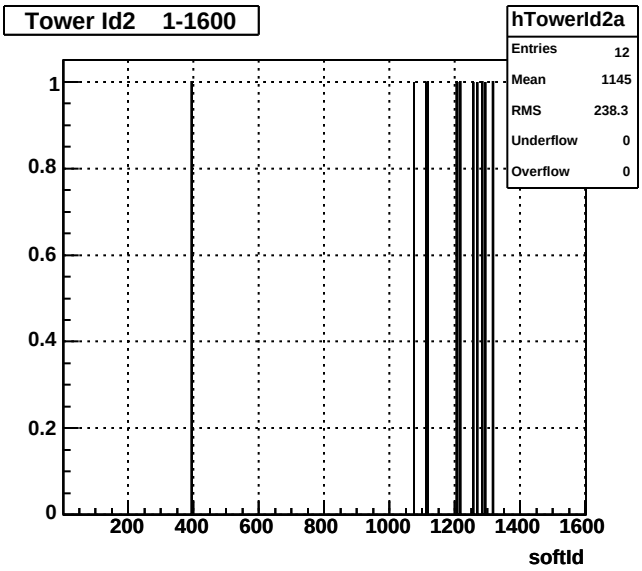

Number of hot towers
number of hot towers
events seen

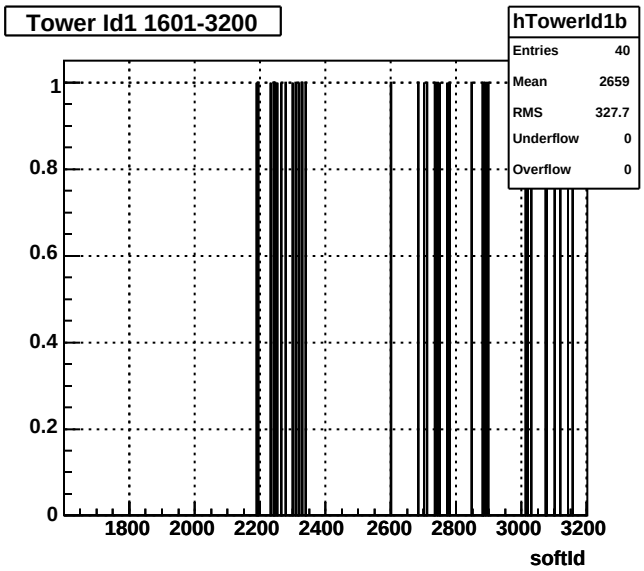

L2 processing time
hTime
Entries 87
Mean 285.5
RMS 55.64
Underflow 0
Overflow 5
time [μs]

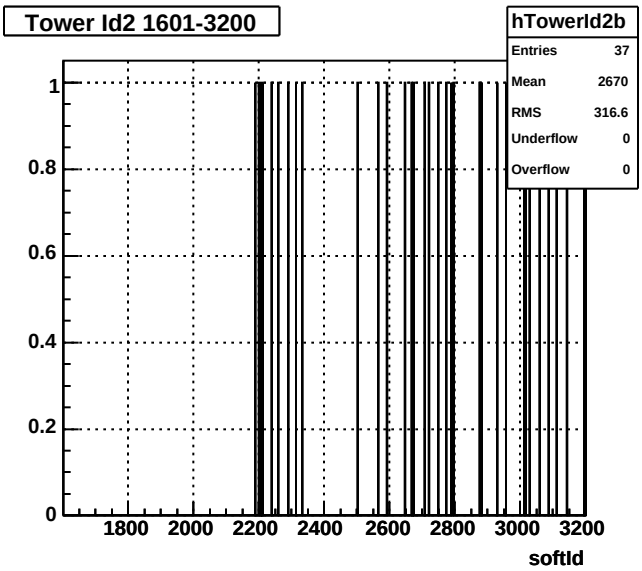

L0-L2 rejection rate
hL0L2RejectionRate
Entries 87
Mean 2.416
RMS 0.3353
Underflow 0
Overflow 0

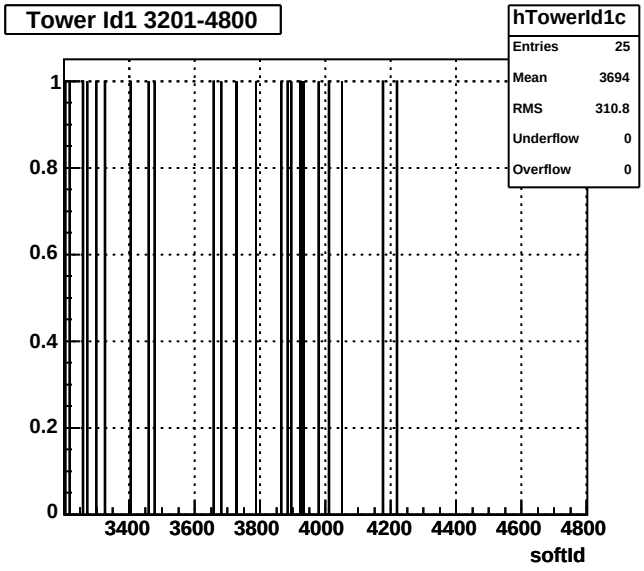

Delta Phi
hDeltaPhi
Entries 87
Mean 2.124
RMS 0.5309
Underflow 0
Overflow 0
Δφ [radians]

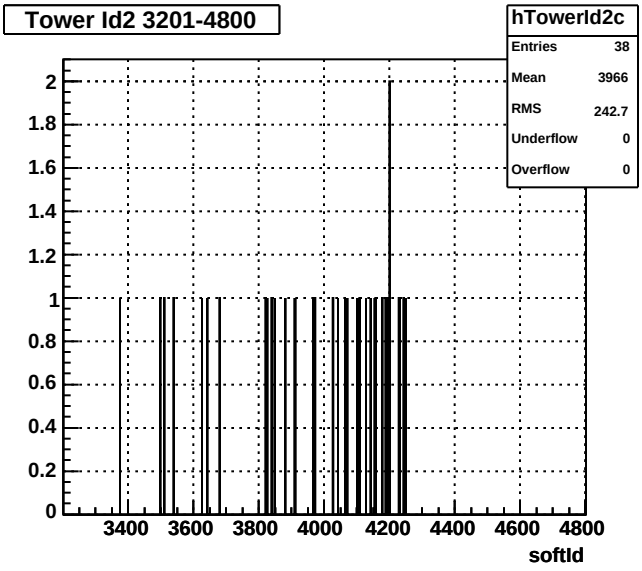

Tower Id1 1-1600
hTowerId1a
Entries 22
Mean 1195
RMS 112.9
Underflow 0
Overflow 0
softId

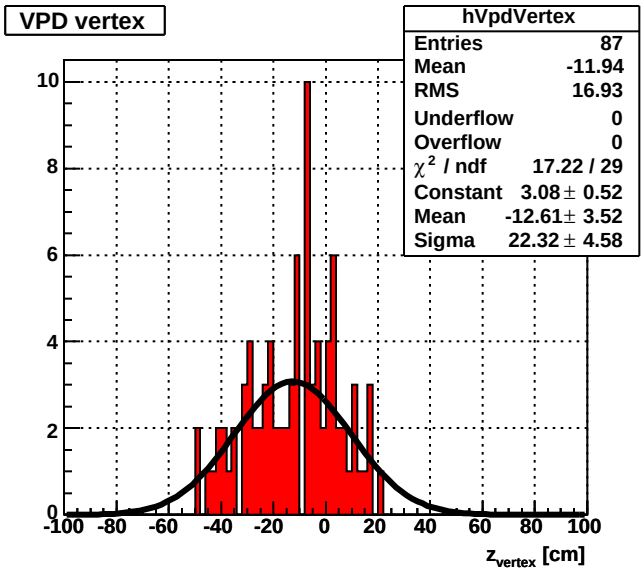

Tower Id2 1-1600
hTowerId2a
Entries 12
Mean 1145
RMS 238.3
Underflow 0
Overflow 0
softId

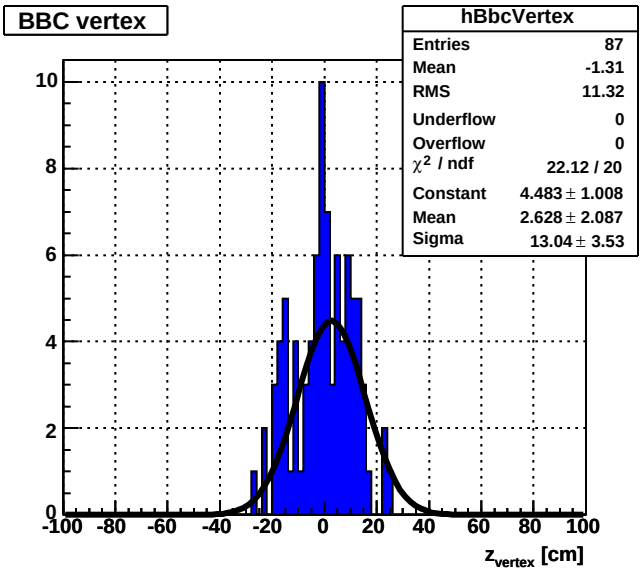

Tower Id1 1601-3200
hTowerId1b
Entries 40
Mean 2659
RMS 327.7
Underflow 0
Overflow 0
softId

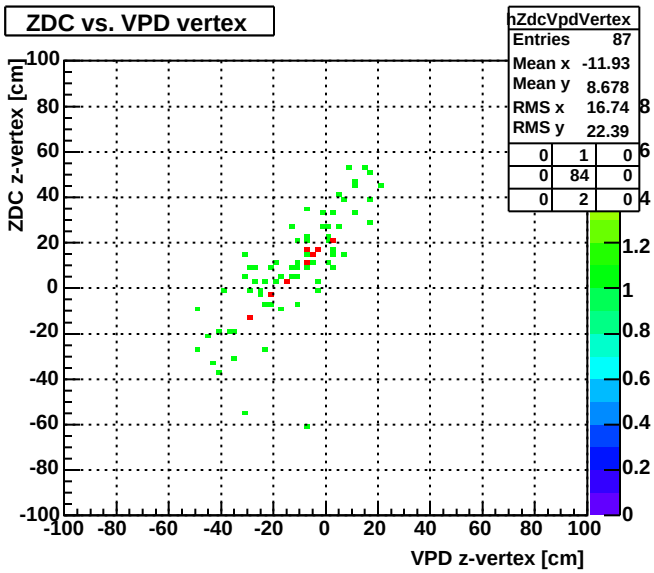

Tower Id2 1601-3200
hTowerId2b
Entries 37
Mean 2670
RMS 316.6
Underflow 0
Overflow 0
softId

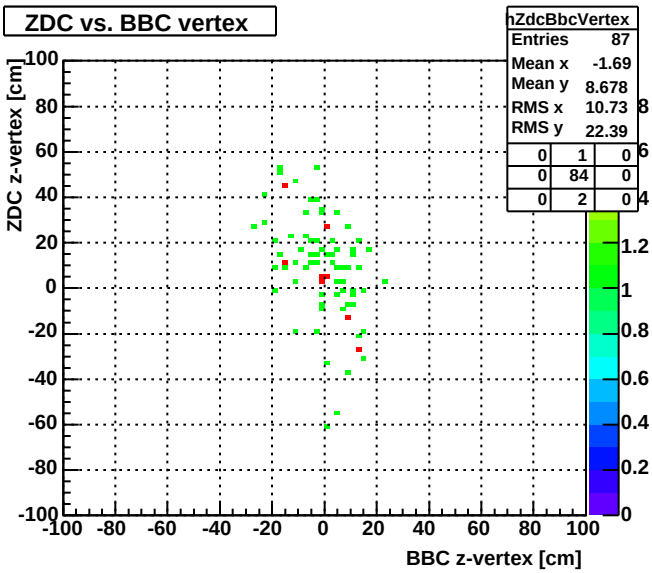

Tower Id1 3201-4800
hTowerId1c
Entries 25
Mean 3694
RMS 310.8
Underflow 0
Overflow 0
softId

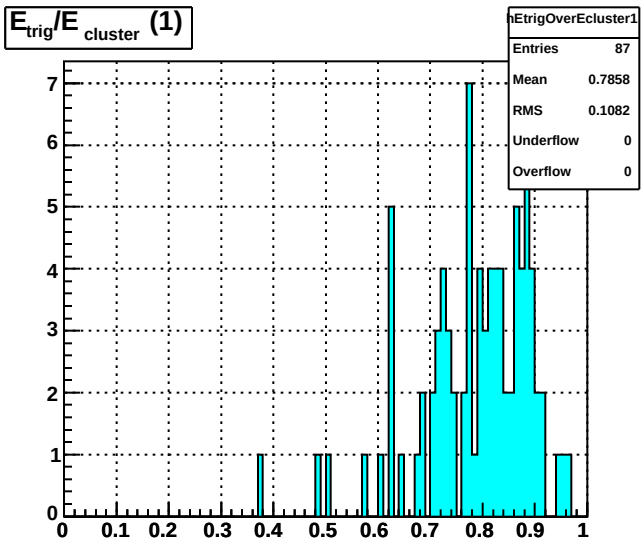

Tower Id2 3201-4800
hTowerId2c
Entries 38
Mean 3966
RMS 242.7
Underflow 0
Overflow 0
softId

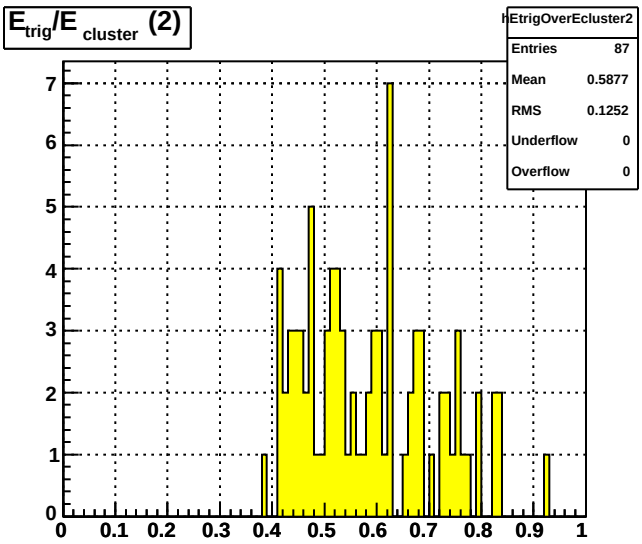

VPD vertex
hVpdVertex
Entries 87
Mean -11.94
RMS 16.93
Underflow 0
Overflow 0
χ² / ndf 17.22 / 29
Constant 3.08 ± 0.52
Mean -12.61 ± 3.52
Sigma 22.32 ± 4.58
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 87
Mean -1.31
RMS 11.32
Underflow 0
Overflow 0
χ² / ndf 22.12 / 20
Constant 4.483 ± 1.008
Mean 2.628 ± 2.087
Sigma 13.04 ± 3.53
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 87
Mean x -11.93
Mean y 8.678
RMS x 16.74
RMS y 22.39
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 87
Mean x -1.69
Mean y 8.678
RMS x 10.73
RMS y 22.39
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 87
Mean 0.7858
RMS 0.1082
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 87
Mean 0.5877
RMS 0.1252
Underflow 0
Overflow 0