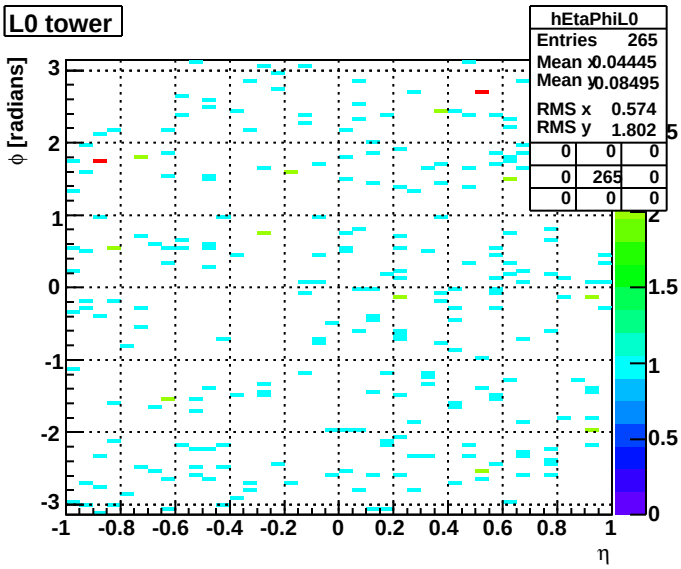
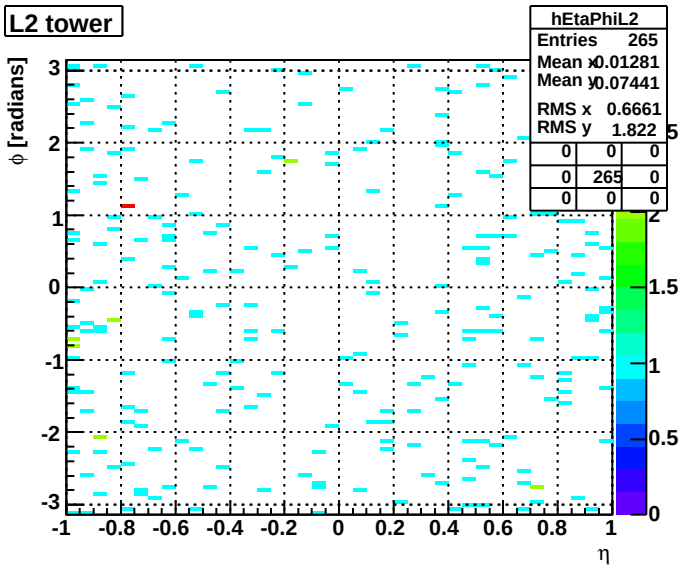
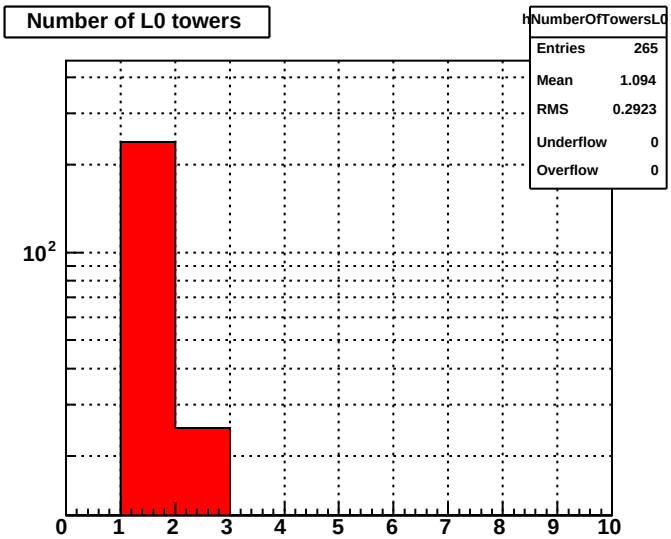
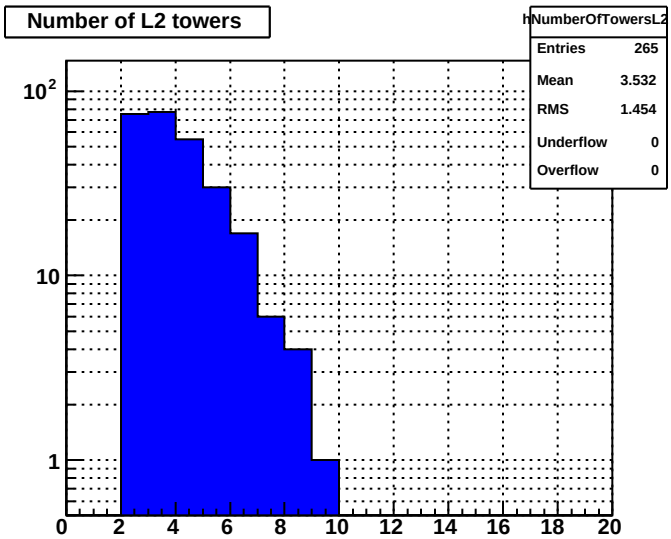
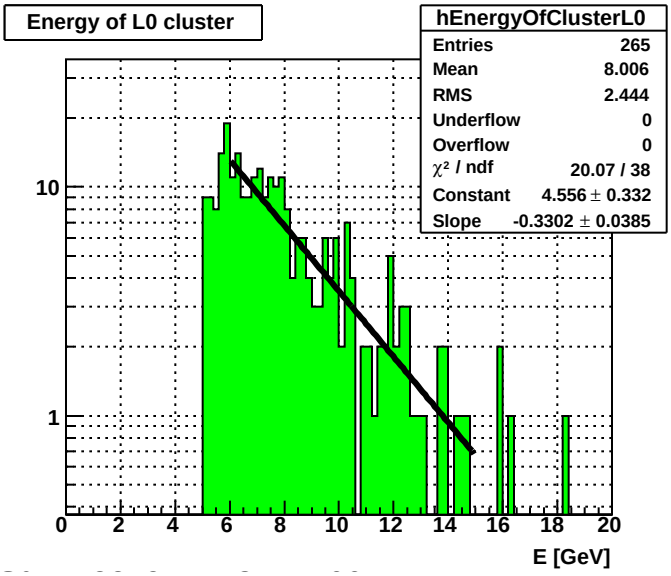
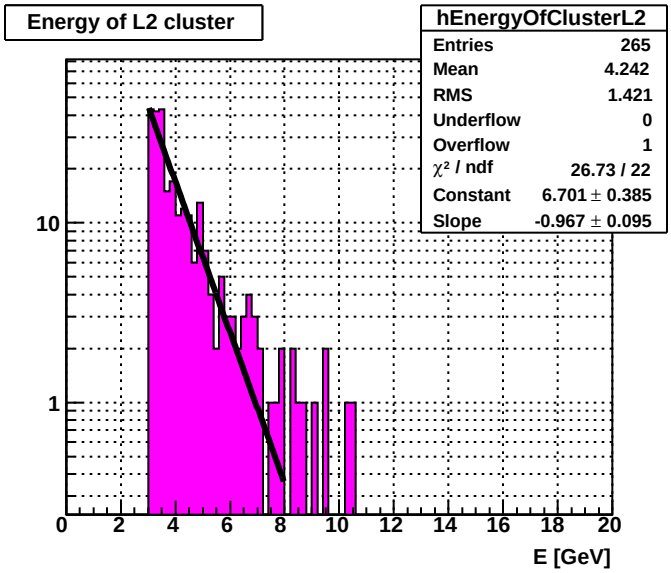

L0 tower
hEtaPhiL0
Entries 265
Mean x 0.04445
Mean y 0.08495
RMS x 0.574
RMS y 1.802
φ [radians]
η

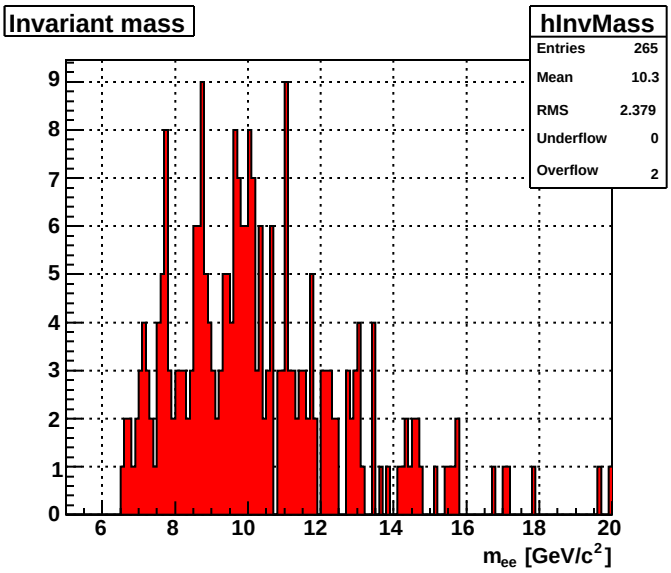

L2 tower
hEtaPhiL2
Entries 265
Mean x 0.01281
Mean y 0.07441
RMS x 0.6661
RMS y 1.822
φ [radians]
η

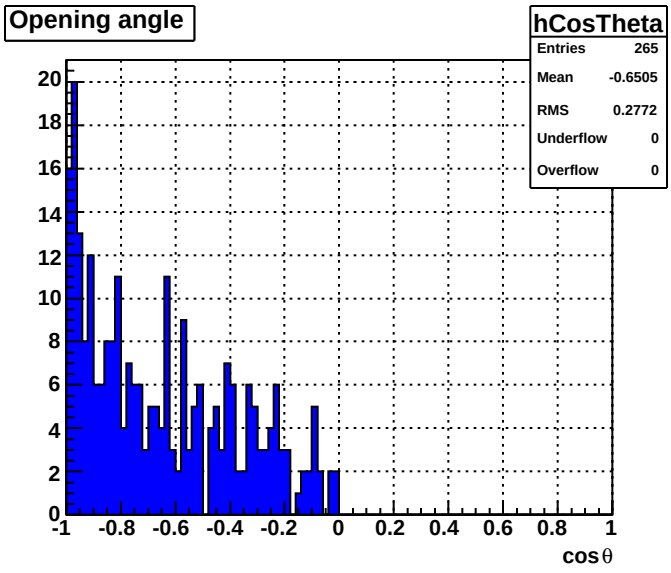

Number of L0 towers
hNumberOfTowersL0
Entries 265
Mean 1.094
RMS 0.2923
Underflow 0
Overflow 0

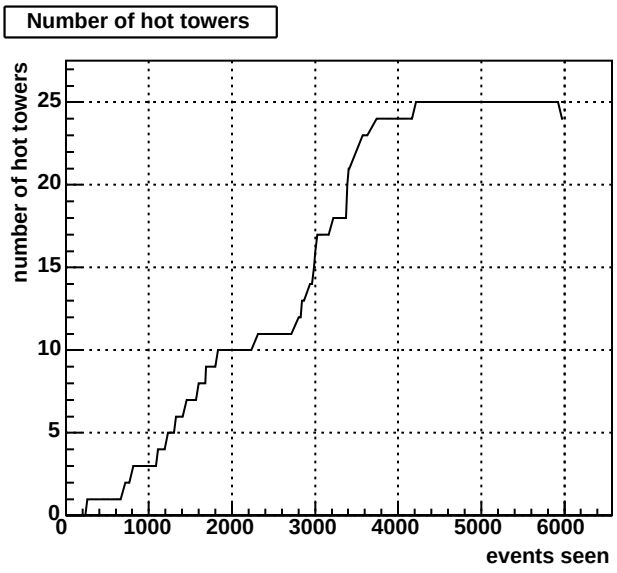

Number of L2 towers
hNumberOfTowersL2
Entries 265
Mean 3.532
RMS 1.454
Underflow 0
Overflow 0

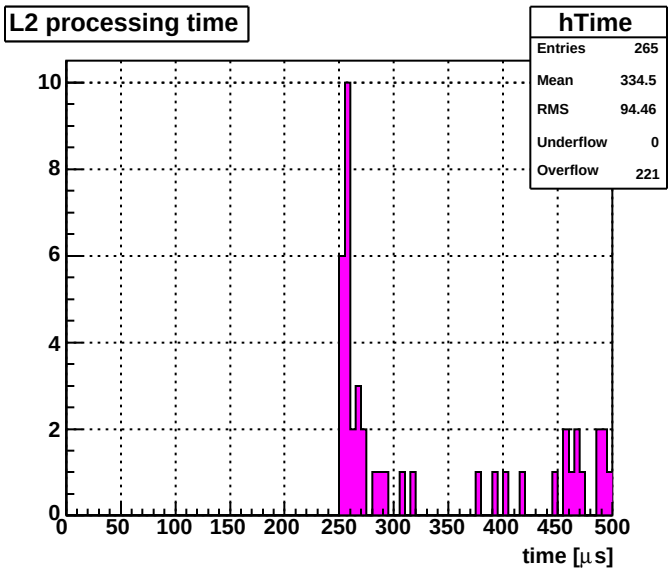

Energy of L0 cluster
hEnergyOfClusterL0
Entries 265
Mean 8.006
RMS 2.444
Underflow 0
Overflow 0
χ² / ndf 20.07 / 38
Constant 4.556 ± 0.332
Slope -0.3302 ± 0.0385
E [GeV]

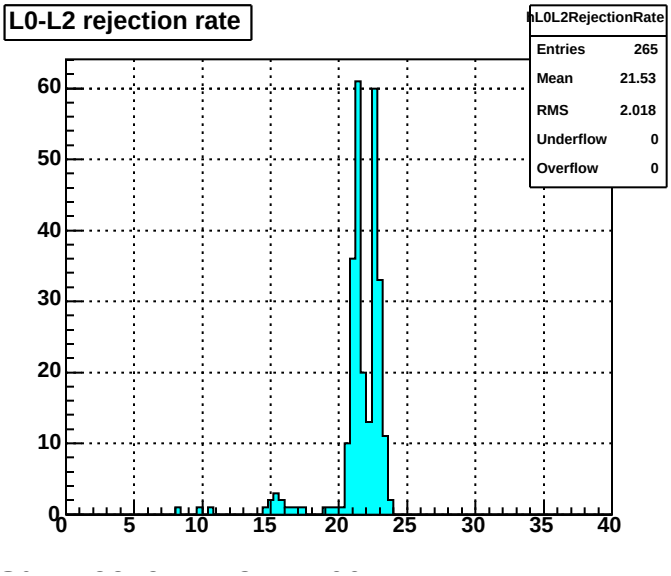

Energy of L2 cluster
hEnergyOfClusterL2
Entries 265
Mean 4.242
RMS 1.421
Underflow 0
Overflow 1
χ² / ndf 26.73 / 22
Constant 6.701 ± 0.385
Slope -0.967 ± 0.095
E [GeV]

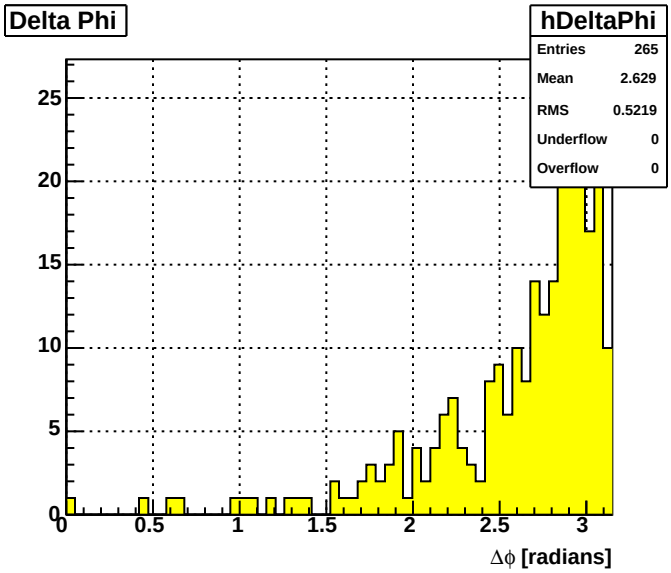

Invariant mass
hInvMass
Entries 265
Mean 10.3
RMS 2.379
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

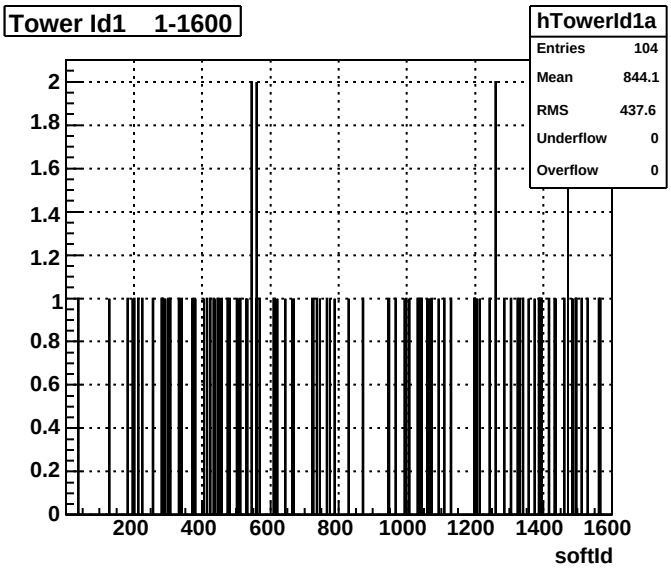

Opening angle
hCosTheta
Entries 265
Mean -0.6505
RMS 0.2772
Underflow 0
Overflow 0
cos θ

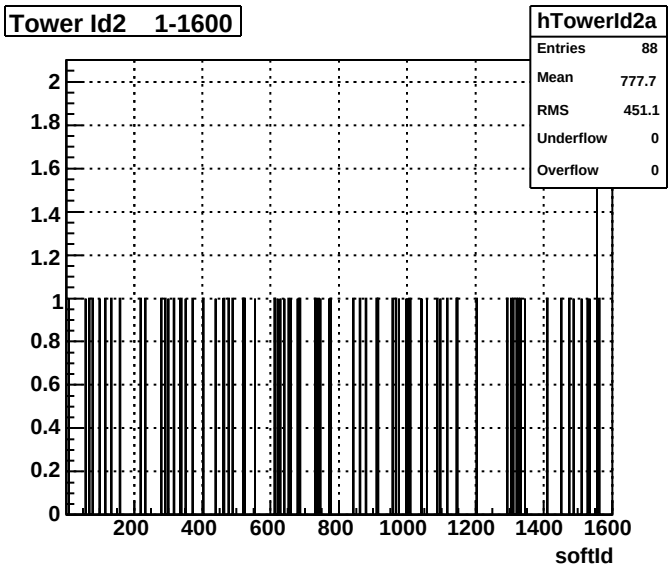

Number of hot towers
number of hot towers
events seen

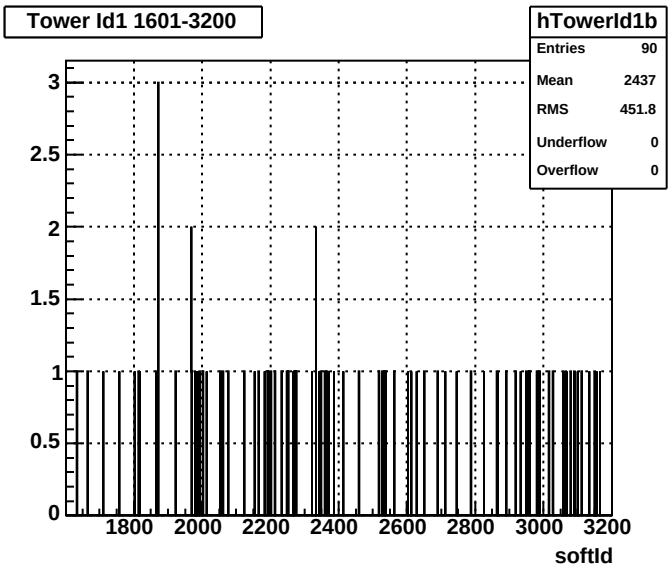

L2 processing time
hTime
Entries 265
Mean 334.5
RMS 94.46
Underflow 0
Overflow 221
time [μs]

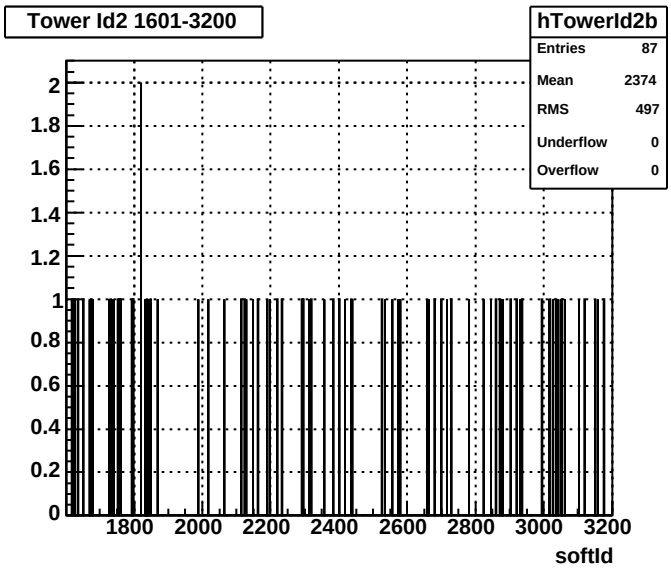

L0-L2 rejection rate
hL0L2RejectionRate
Entries 265
Mean 21.53
RMS 2.018
Underflow 0
Overflow 0

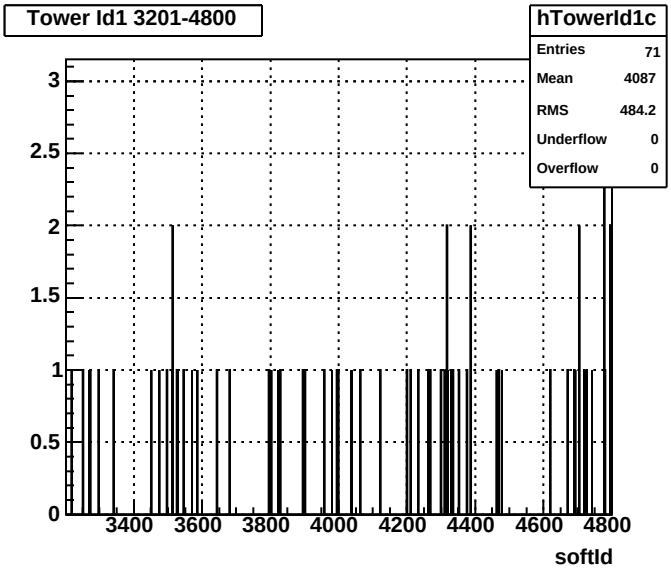

Delta Phi
hDeltaPhi
Entries 265
Mean 2.629
RMS 0.5219
Underflow 0
Overflow 0
Δφ [radians]

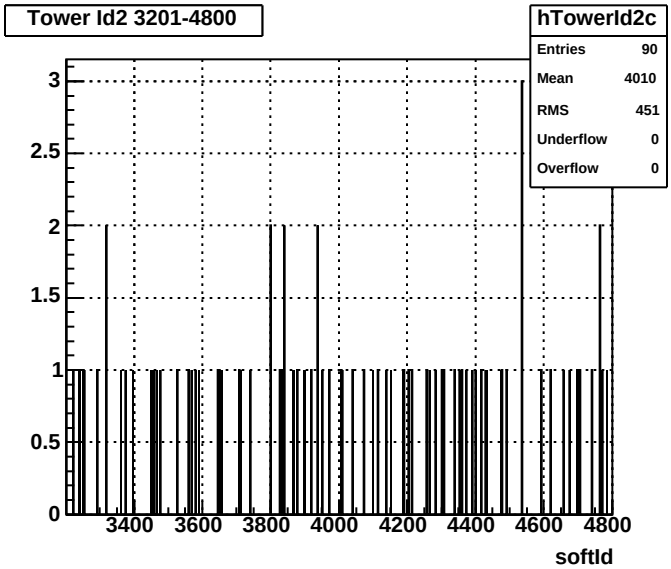

Tower Id1 1-1600
hTowerId1a
Entries 104
Mean 844.1
RMS 437.6
Underflow 0
Overflow 0
softId

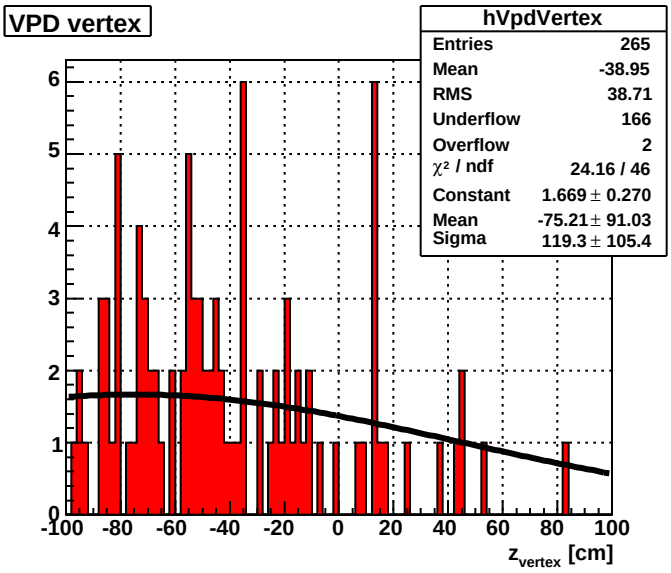

Tower Id2 1-1600
hTowerId2a
Entries 88
Mean 777.7
RMS 451.1
Underflow 0
Overflow 0
softId

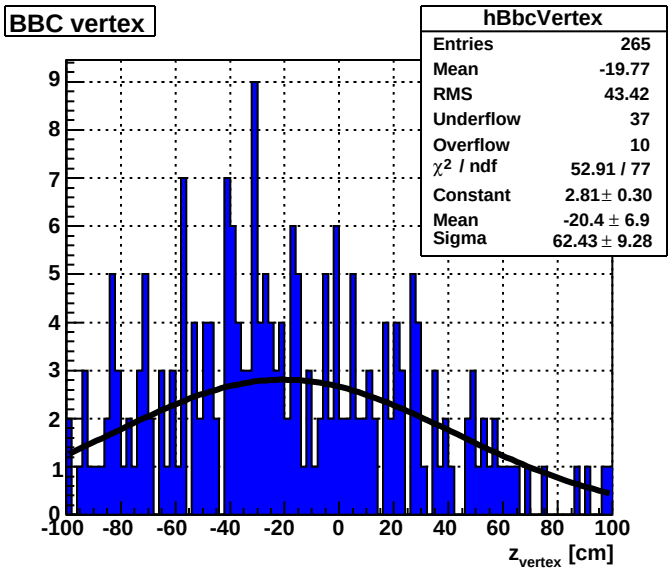

Tower Id1 1601-3200
hTowerId1b
Entries 90
Mean 2437
RMS 451.8
Underflow 0
Overflow 0
softId

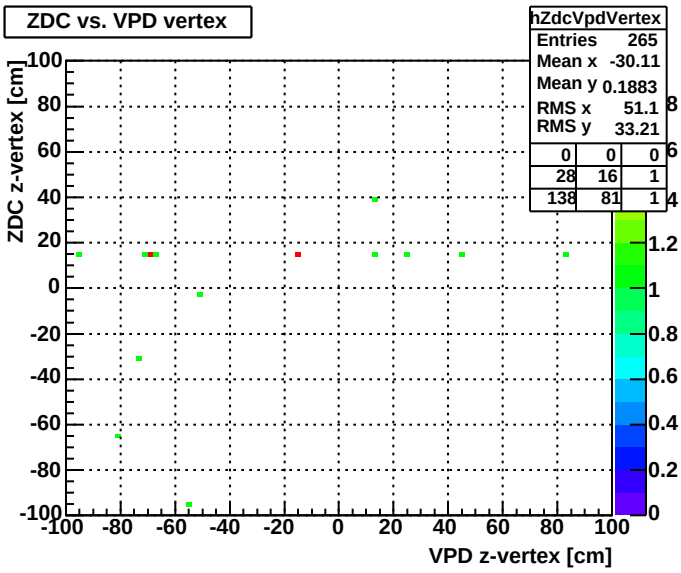

Tower Id2 1601-3200
hTowerId2b
Entries 87
Mean 2374
RMS 497
Underflow 0
Overflow 0
softId

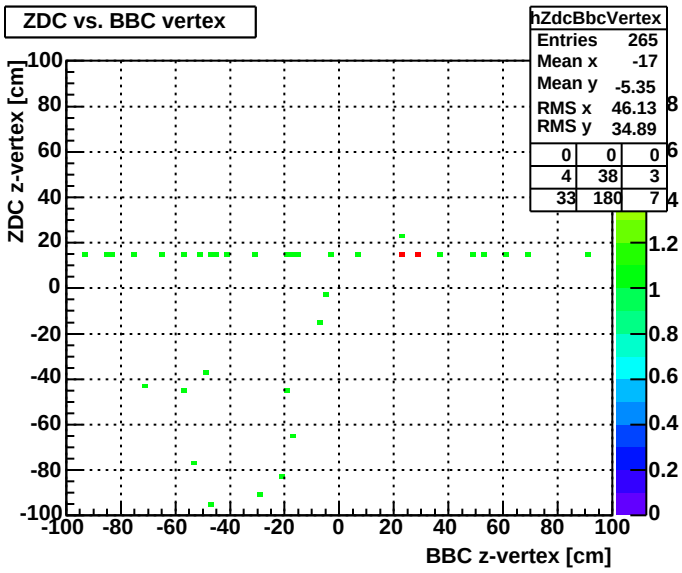

Tower Id1 3201-4800
hTowerId1c
Entries 71
Mean 4087
RMS 484.2
Underflow 0
Overflow 0
softId

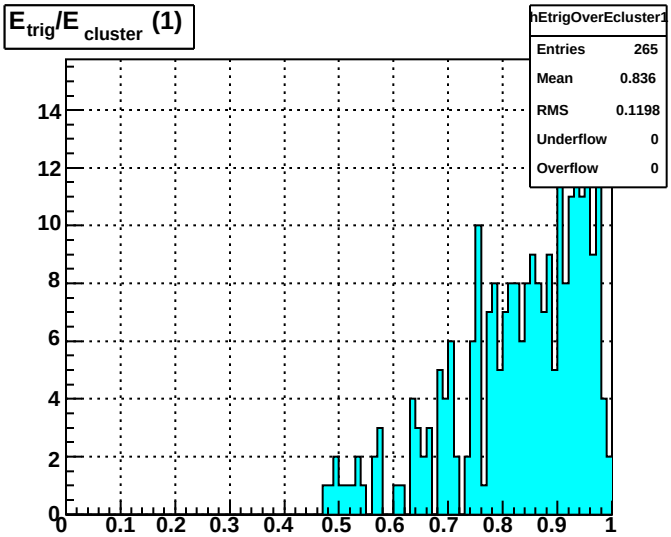

Tower Id2 3201-4800
hTowerId2c
Entries 90
Mean 4010
RMS 451
Underflow 0
Overflow 0
softId

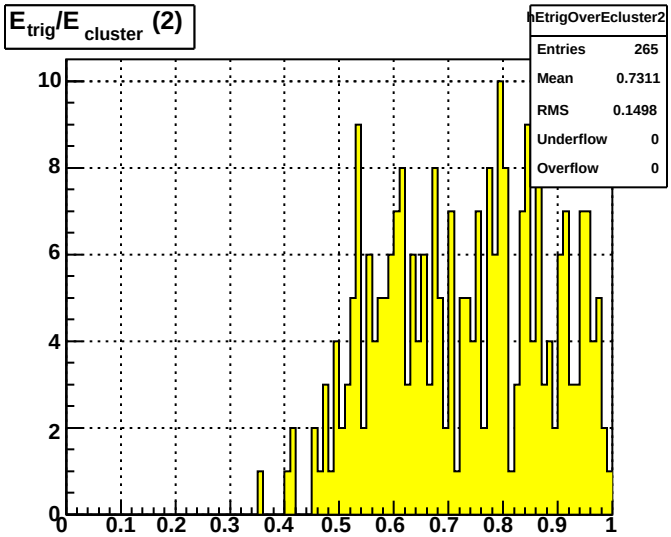

VPD vertex
hVpdVertex
Entries 265
Mean -38.95
RMS 38.71
Underflow 166
Overflow 2
χ² / ndf 24.16 / 46
Constant 1.669 ± 0.270
Mean -75.21 ± 91.03
Sigma 119.3 ± 105.4
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 265
Mean -19.77
RMS 43.42
Underflow 37
Overflow 10
χ² / ndf 52.91 / 77
Constant 2.81 ± 0.30
Mean -20.4 ± 6.9
Sigma 62.43 ± 9.28
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 265
Mean x -30.11
Mean y 0.1883
RMS x 51.1
RMS y 33.21
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 265
Mean x -17
Mean y -5.35
RMS x 46.13
RMS y 34.89
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 265
Mean 0.836
RMS 0.1198
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 265
Mean 0.7311
RMS 0.1498
Underflow 0
Overflow 0