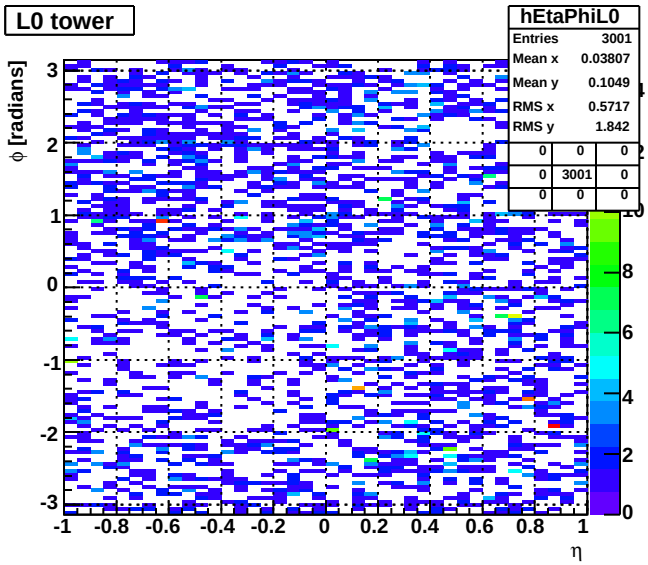
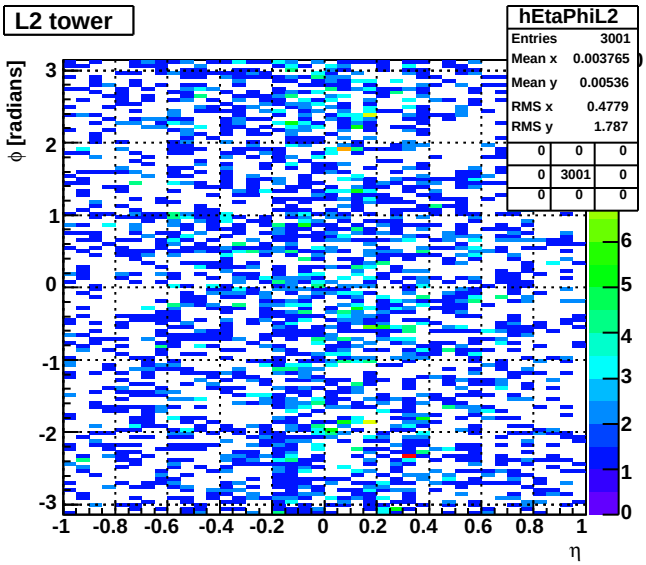
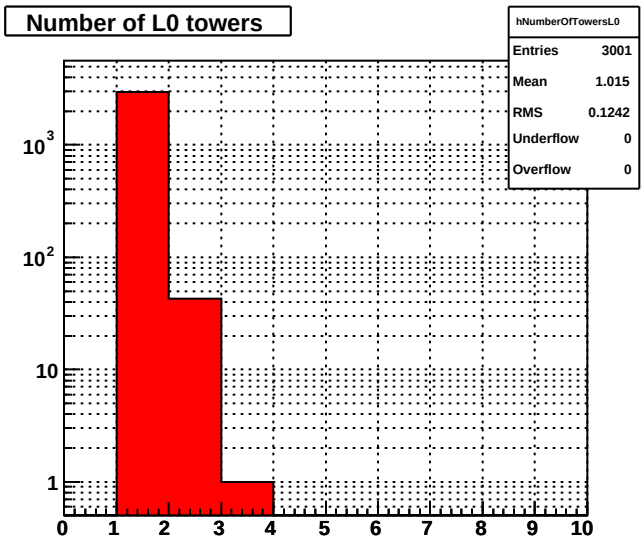
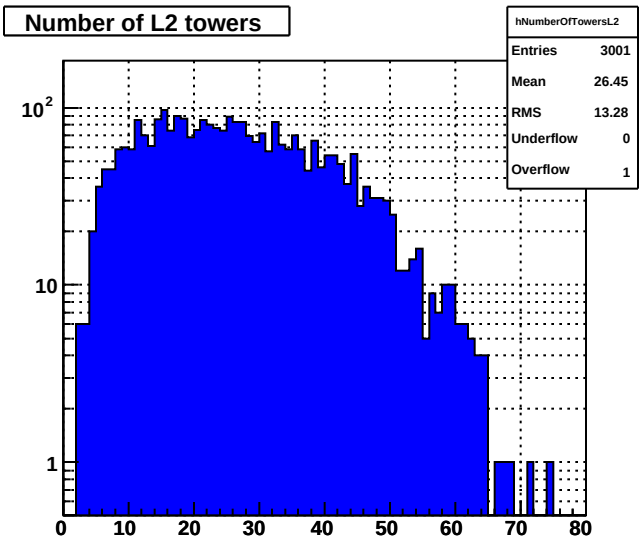
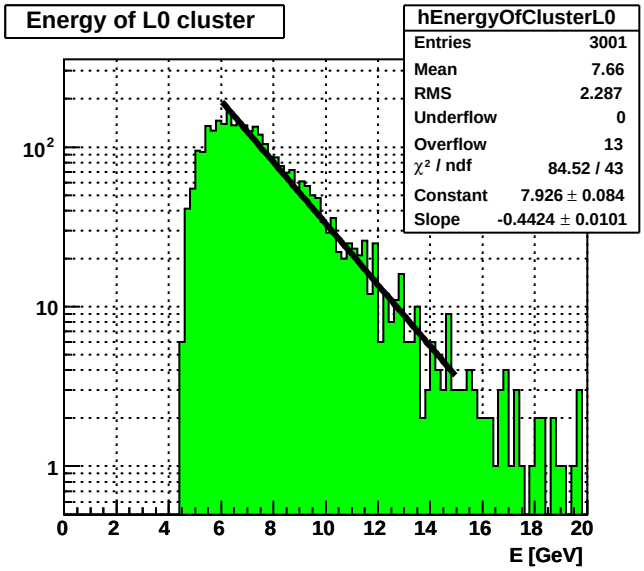
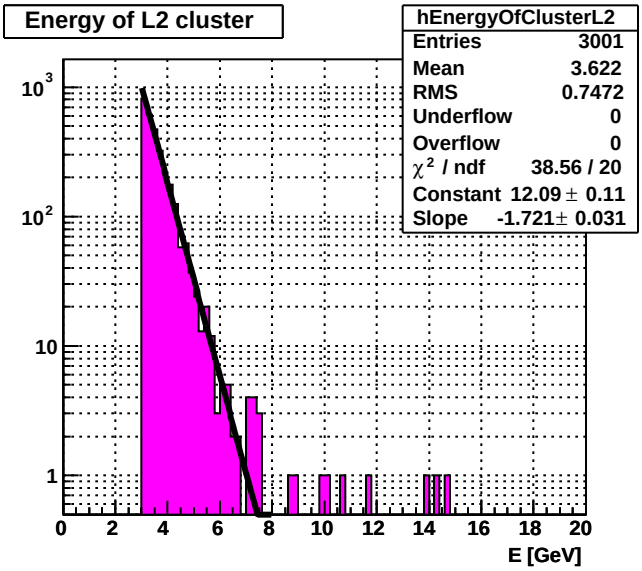

L0 tower
hEtaPhiL0
Entries 3001
Mean x 0.03807
Mean y 0.1049
RMS x 0.5717
RMS y 1.842
φ [radians]
η

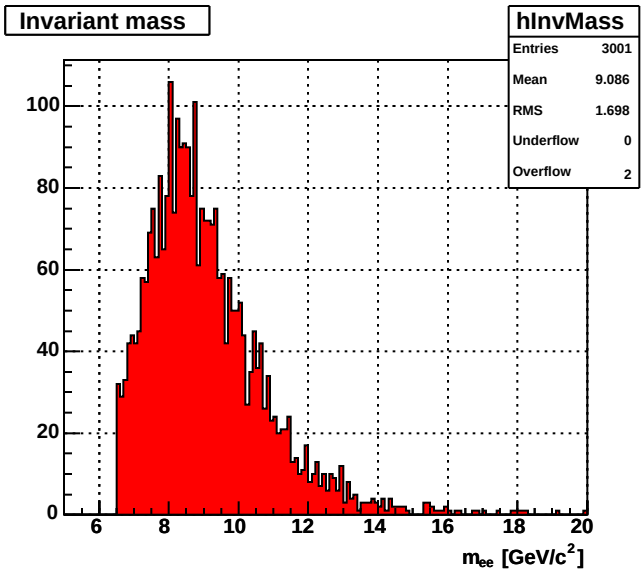

L2 tower
hEtaPhiL2
Entries 3001
Mean x 0.003765
Mean y 0.00536
RMS x 0.4779
RMS y 1.787
φ [radians]
η

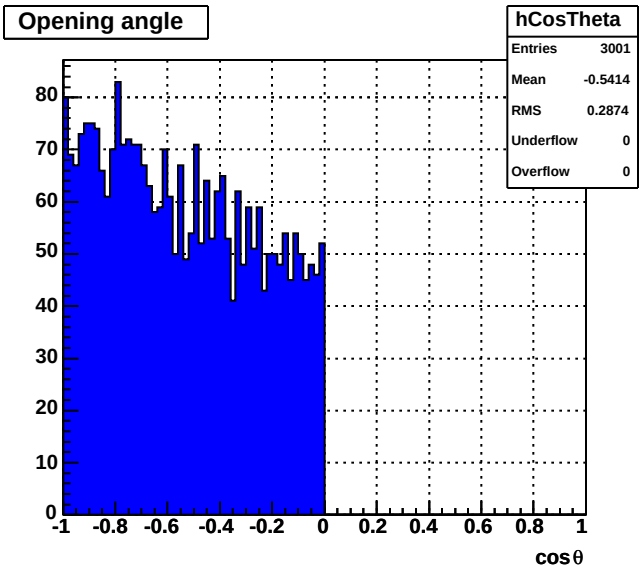

Number of L0 towers
hNumberOfTowersL0
Entries 3001
Mean 1.015
RMS 0.1242
Underflow 0
Overflow 0

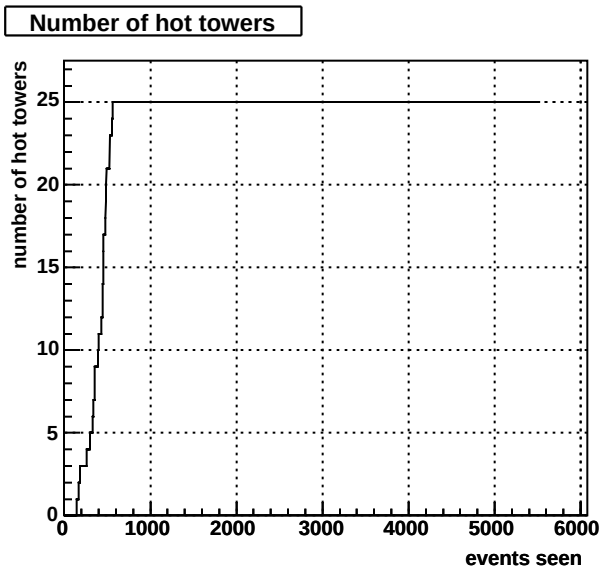

Number of L2 towers
hNumberOfTowersL2
Entries 3001
Mean 26.45
RMS 13.28
Underflow 0
Overflow 1

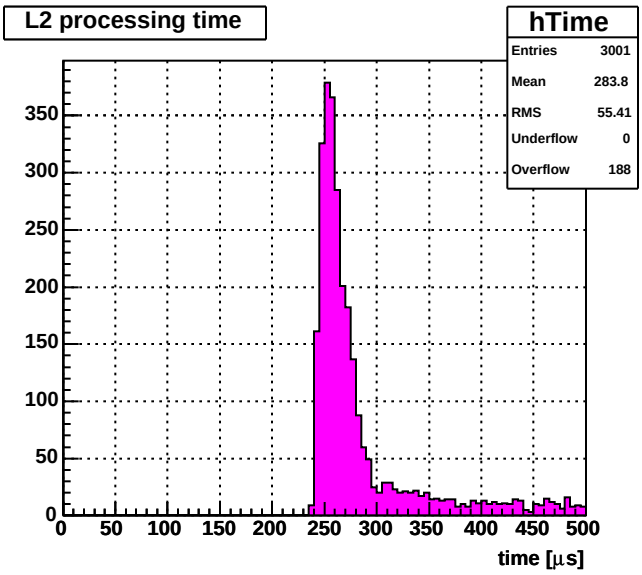

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3001
Mean 7.66
RMS 2.287
Underflow 0
Overflow 13
χ² / ndf 84.52 / 43
Constant 7.926 ± 0.084
Slope -0.4424 ± 0.0101
E [GeV]

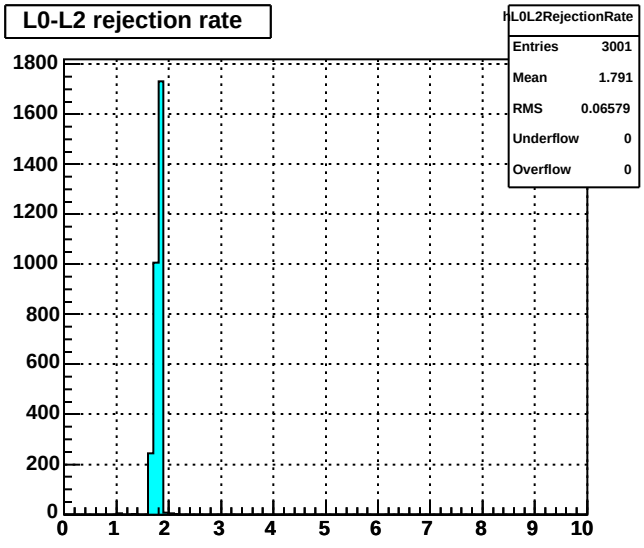

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3001
Mean 3.622
RMS 0.7472
Underflow 0
Overflow 0
χ² / ndf 38.56 / 20
Constant 12.09 ± 0.11
Slope -1.721 ± 0.031
E [GeV]

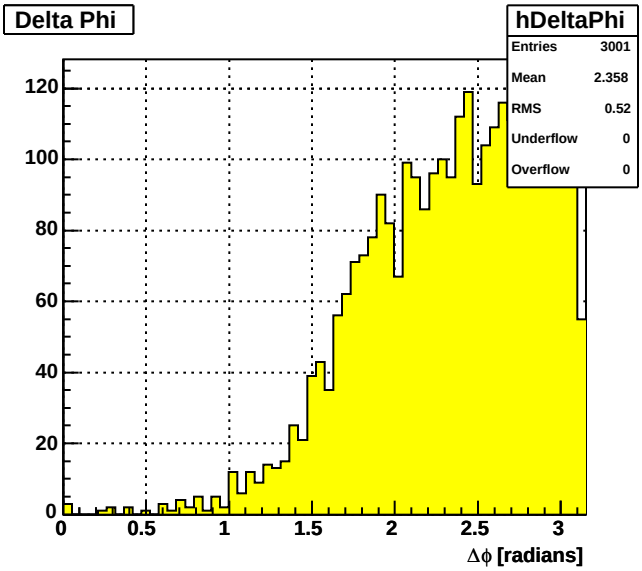

Invariant mass
hInvMass
Entries 3001
Mean 9.086
RMS 1.698
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

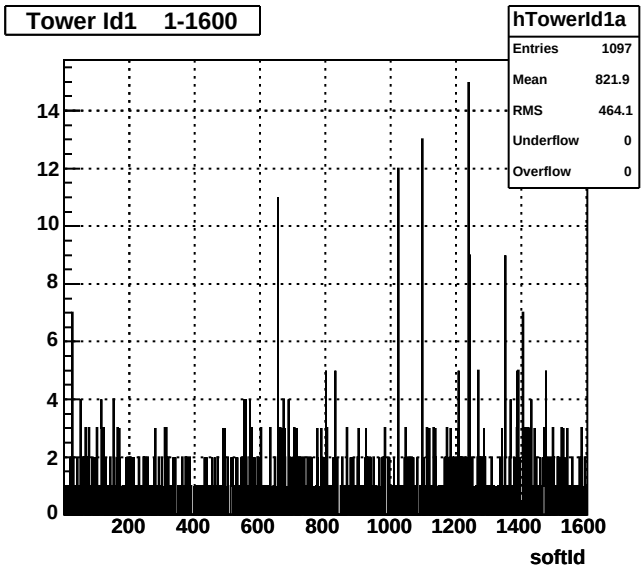

Opening angle
hCosTheta
Entries 3001
Mean -0.5414
RMS 0.2874
Underflow 0
Overflow 0
cos θ

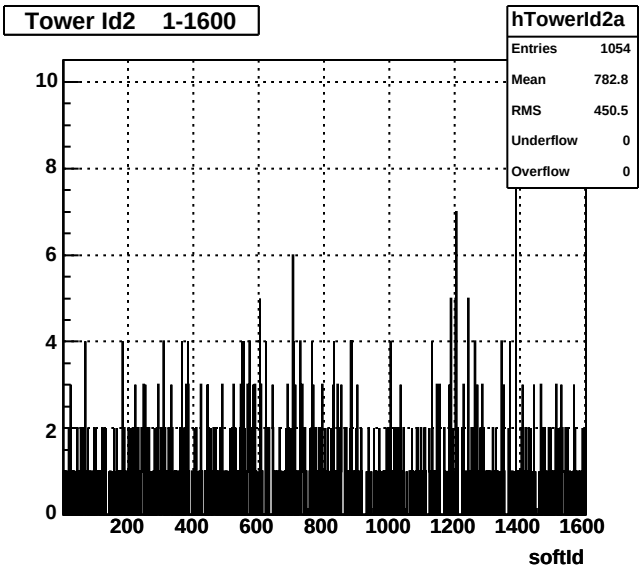

Number of hot towers
number of hot towers
events seen

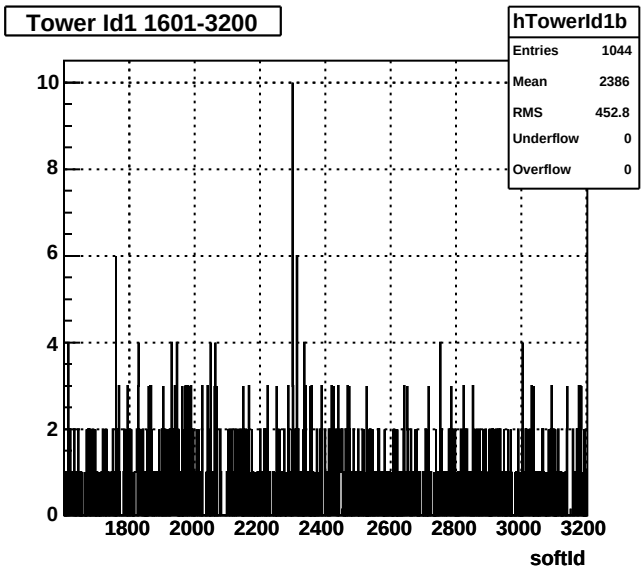

L2 processing time
hTime
Entries 3001
Mean 283.8
RMS 55.41
Underflow 0
Overflow 188
time [μs]

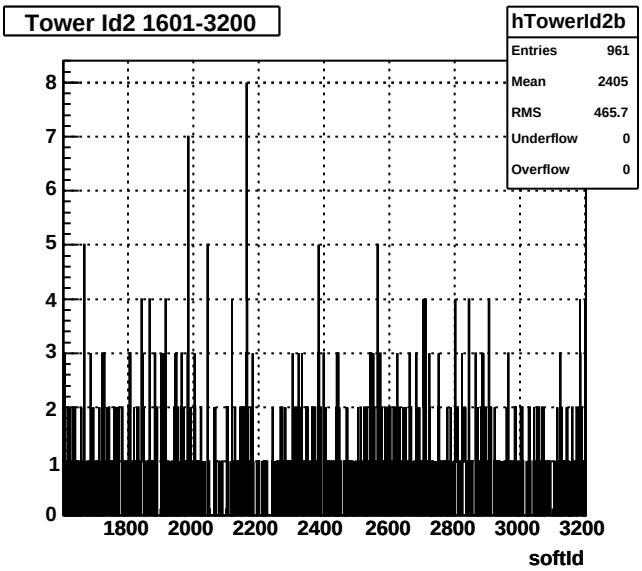

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3001
Mean 1.791
RMS 0.06579
Underflow 0
Overflow 0

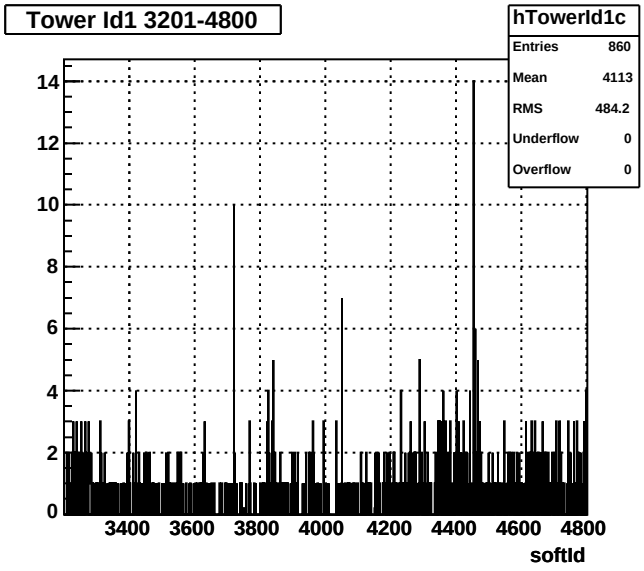

Delta Phi
hDeltaPhi
Entries 3001
Mean 2.358
RMS 0.52
Underflow 0
Overflow 0
Δφ [radians]

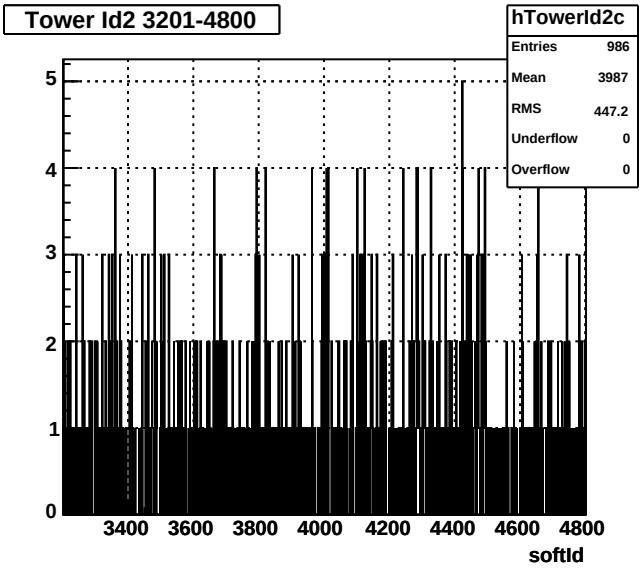

Tower Id1 1-1600
hTowerId1a
Entries 1097
Mean 821.9
RMS 464.1
Underflow 0
Overflow 0
softId

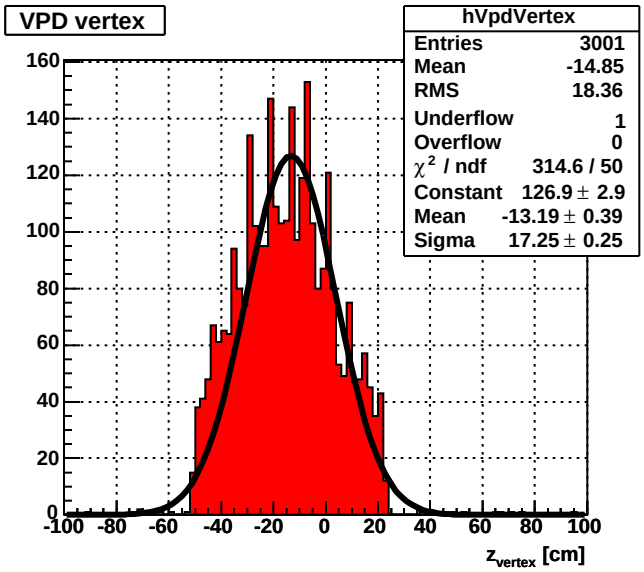

Tower Id2 1-1600
hTowerId2a
Entries 1054
Mean 782.8
RMS 450.5
Underflow 0
Overflow 0
softId

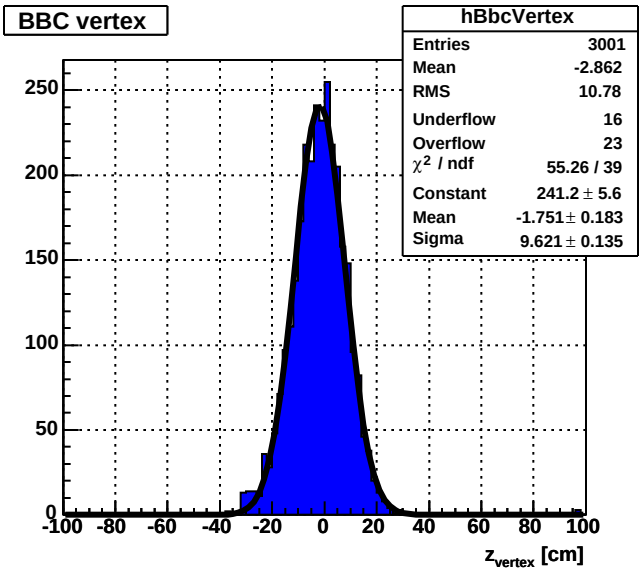

Tower Id1 1601-3200
hTowerId1b
Entries 1044
Mean 2386
RMS 452.8
Underflow 0
Overflow 0
softId

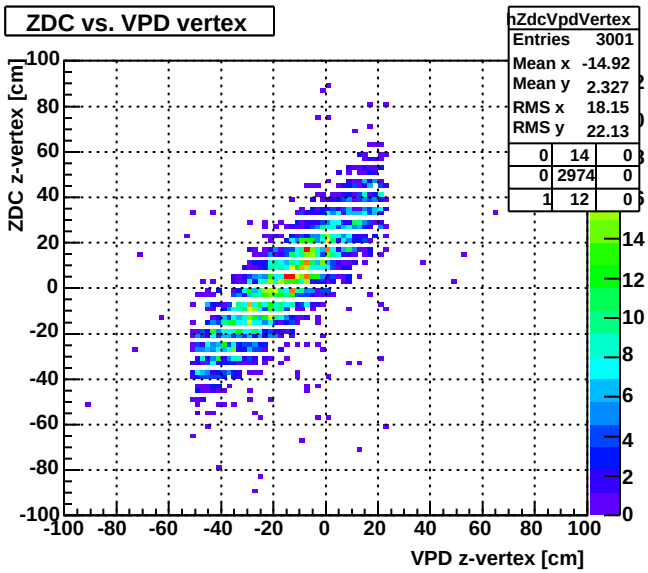

Tower Id2 1601-3200
hTowerId2b
Entries 961
Mean 2405
RMS 465.7
Underflow 0
Overflow 0
softId

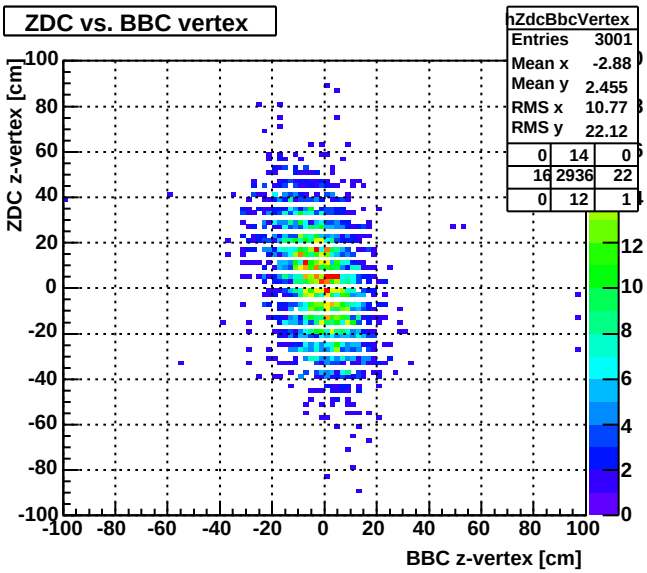

Tower Id1 3201-4800
hTowerId1c
Entries 860
Mean 4113
RMS 484.2
Underflow 0
Overflow 0
softId

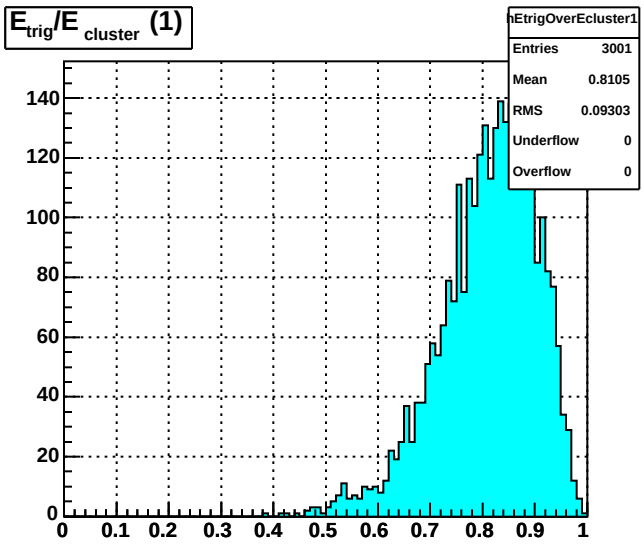

Tower Id2 3201-4800
hTowerId2c
Entries 986
Mean 3987
RMS 447.2
Underflow 0
Overflow 0
softId

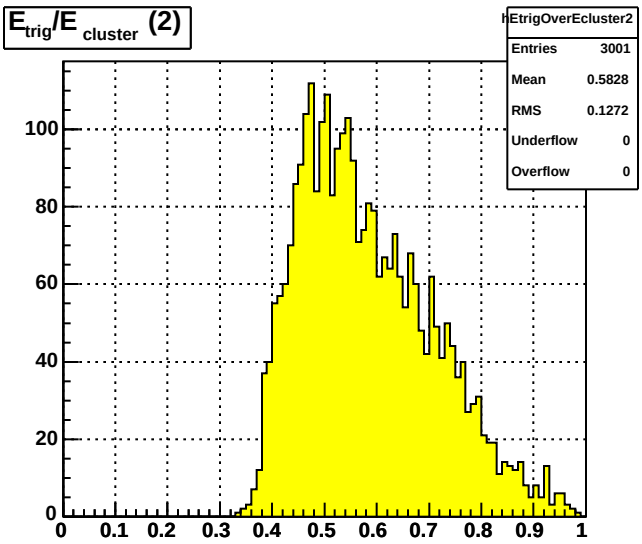

VPD vertex
hVpdVertex
Entries 3001
Mean -14.85
RMS 18.36
Underflow 1
Overflow 0
χ² / ndf 314.6 / 50
Constant 126.9 ± 2.9
Mean -13.19 ± 0.39
Sigma 17.25 ± 0.25
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3001
Mean -2.862
RMS 10.78
Underflow 16
Overflow 23
χ² / ndf 55.26 / 39
Constant 241.2 ± 5.6
Mean -1.751 ± 0.183
Sigma 9.621 ± 0.135
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3001
Mean x -14.92
Mean y 2.327
RMS x 18.15
RMS y 22.13
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3001
Mean x -2.88
Mean y 2.455
RMS x 10.77
RMS y 22.12
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3001
Mean 0.8105
RMS 0.09303
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3001
Mean 0.5828
RMS 0.1272
Underflow 0
Overflow 0