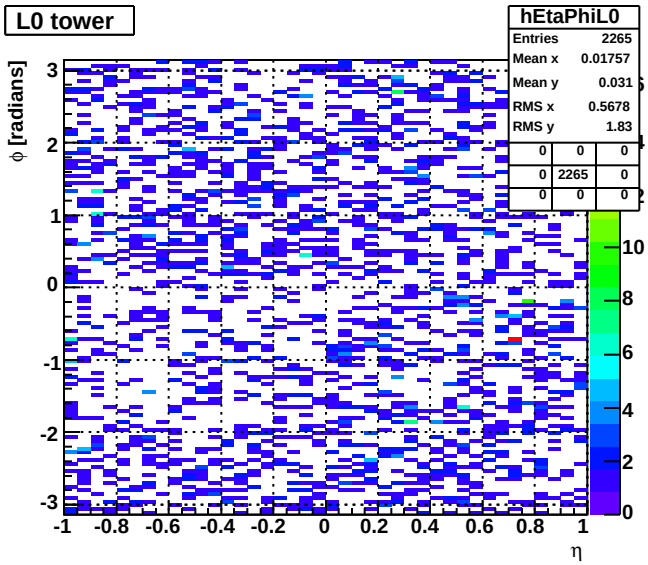
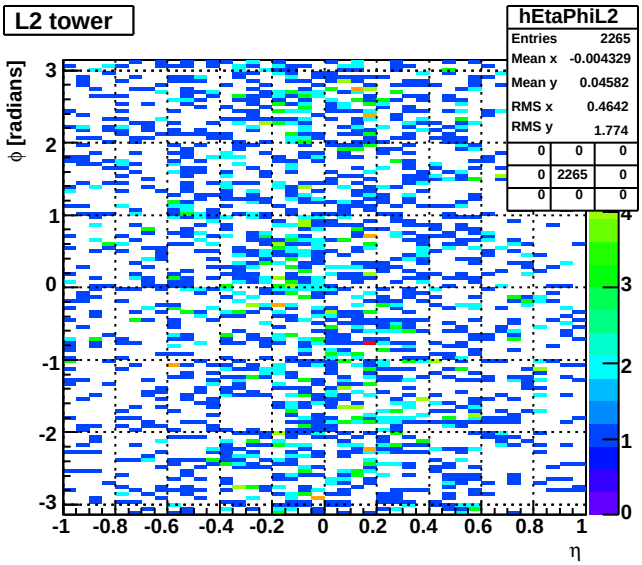
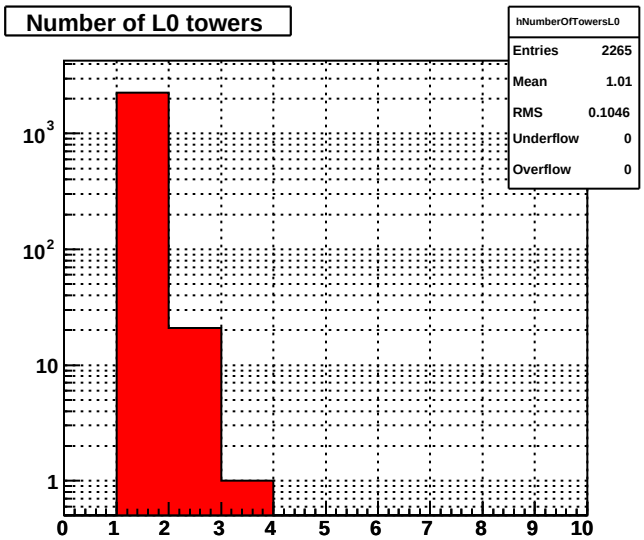
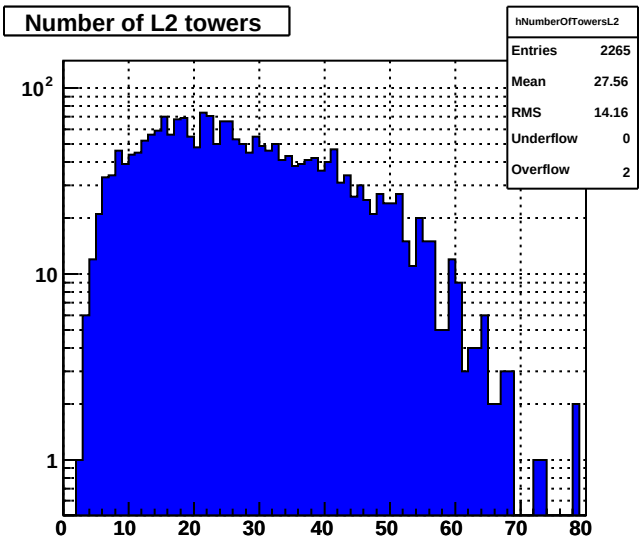
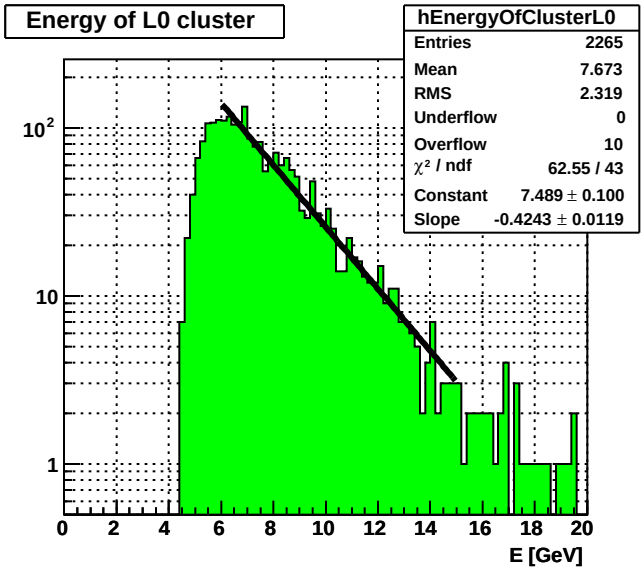
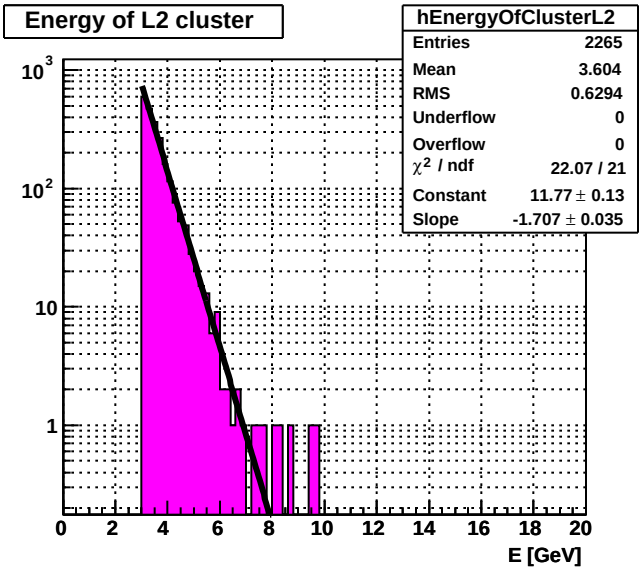

L0 tower
hEtaPhiL0
Entries 2265
Mean x 0.01757
Mean y 0.031
RMS x 0.5678
RMS y 1.83
φ [radians]
η

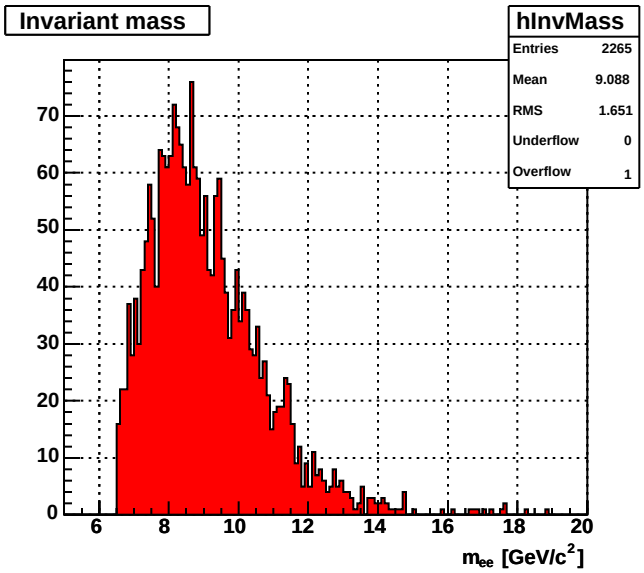

L2 tower
hEtaPhiL2
Entries 2265
Mean x -0.004329
Mean y 0.04582
RMS x 0.4642
RMS y 1.774
φ [radians]
η

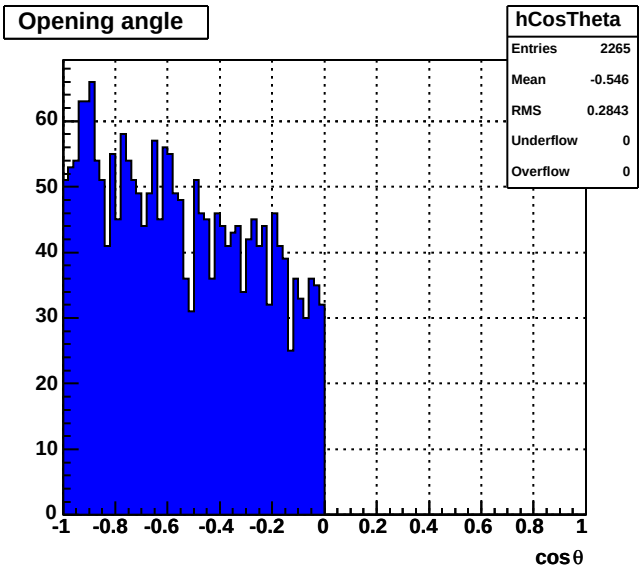

Number of L0 towers
hNumberOfTowersL0
Entries 2265
Mean 1.01
RMS 0.1046
Underflow 0
Overflow 0

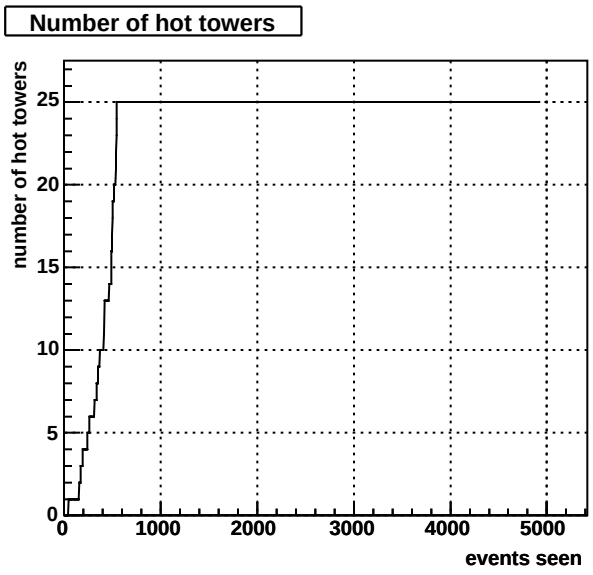

Number of L2 towers
hNumberOfTowersL2
Entries 2265
Mean 27.56
RMS 14.16
Underflow 0
Overflow 2

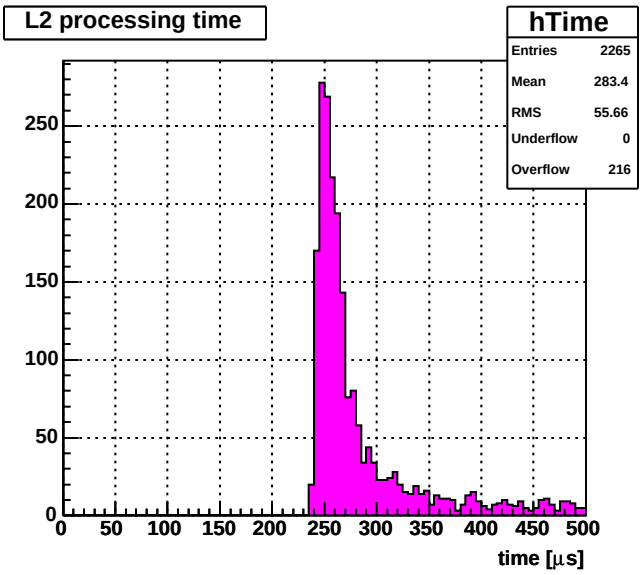

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2265
Mean 7.673
RMS 2.319
Underflow 0
Overflow 10
χ² / ndf 62.55 / 43
Constant 7.489 ± 0.100
Slope -0.4243 ± 0.0119
E [GeV]

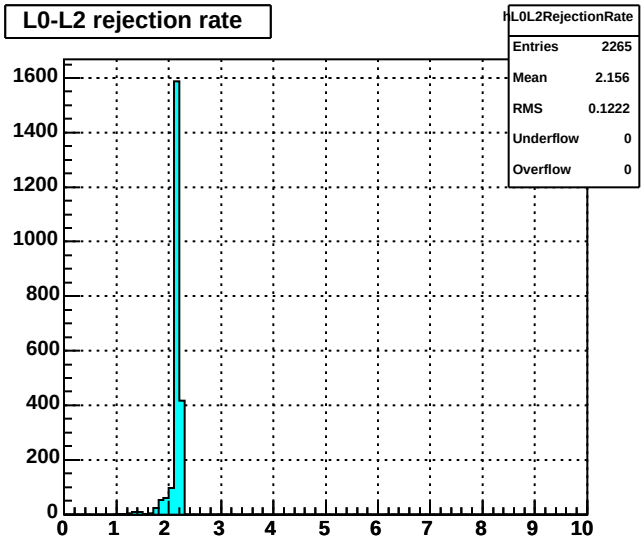

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2265
Mean 3.604
RMS 0.6294
Underflow 0
Overflow 0
χ² / ndf 22.07 / 21
Constant 11.77 ± 0.13
Slope -1.707 ± 0.035
E [GeV]

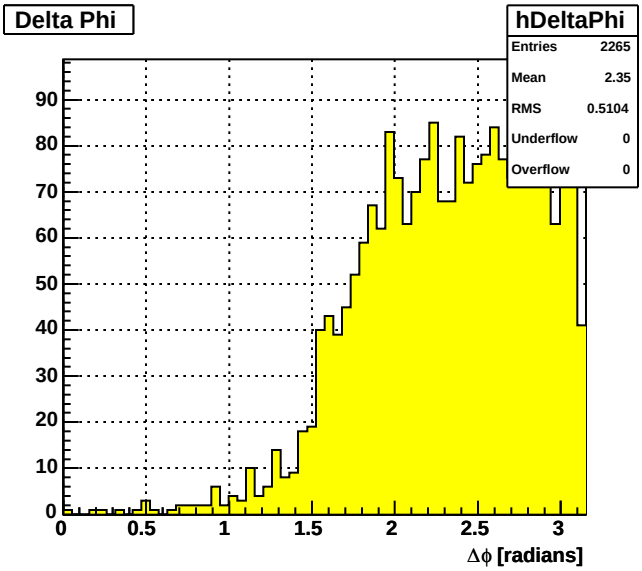

Invariant mass
hInvMass
Entries 2265
Mean 9.088
RMS 1.651
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

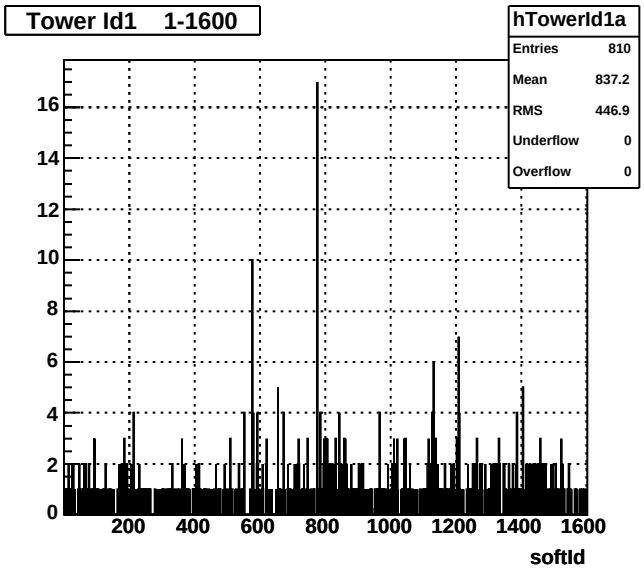

Opening angle
hCosTheta
Entries 2265
Mean -0.546
RMS 0.2843
Underflow 0
Overflow 0
cos θ

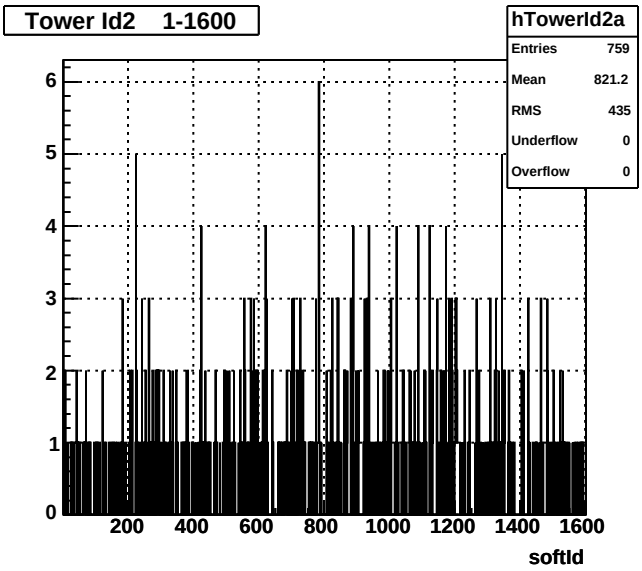

Number of hot towers
number of hot towers
events seen

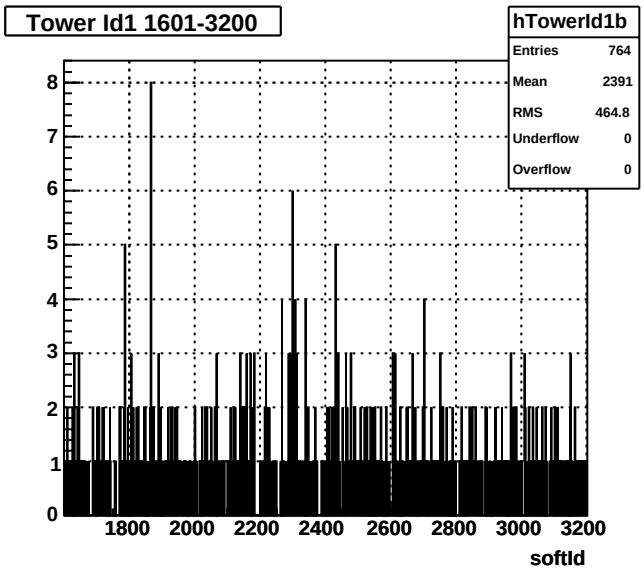

L2 processing time
hTime
Entries 2265
Mean 283.4
RMS 55.66
Underflow 0
Overflow 216
time [μs]

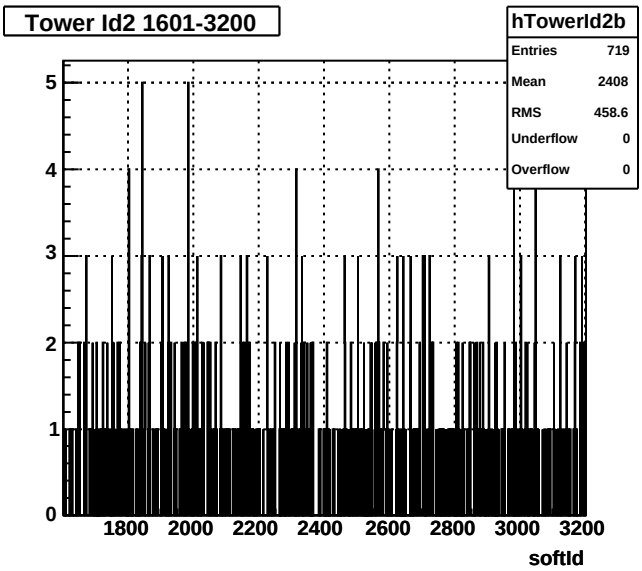

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2265
Mean 2.156
RMS 0.1222
Underflow 0
Overflow 0

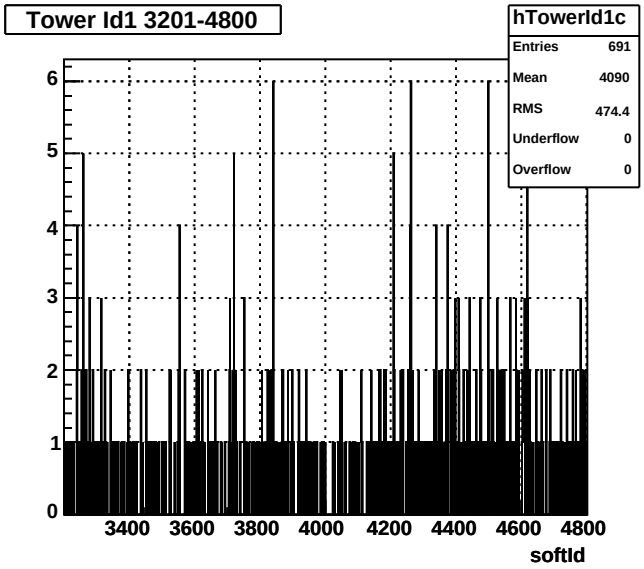

Delta Phi
hDeltaPhi
Entries 2265
Mean 2.35
RMS 0.5104
Underflow 0
Overflow 0
Δφ [radians]

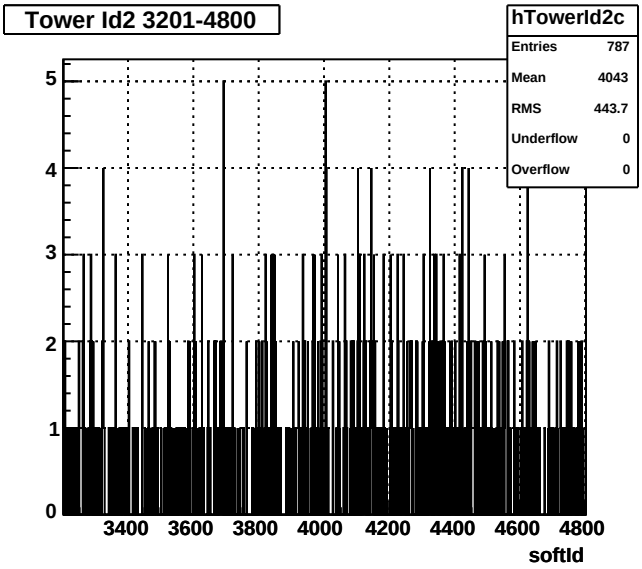

Tower Id1 1-1600
hTowerId1a
Entries 810
Mean 837.2
RMS 446.9
Underflow 0
Overflow 0
softId

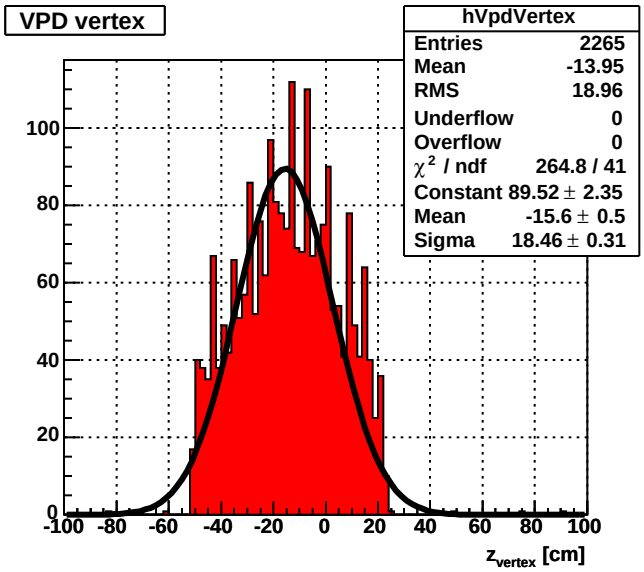

Tower Id2 1-1600
hTowerId2a
Entries 759
Mean 821.2
RMS 435
Underflow 0
Overflow 0
softId

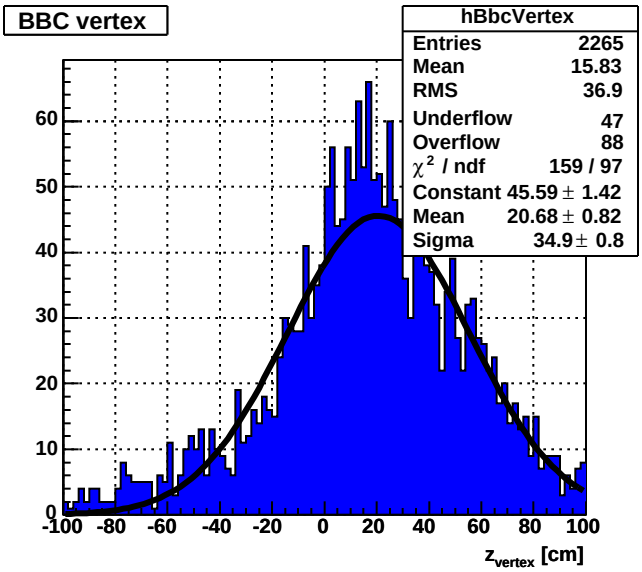

Tower Id1 1601-3200
hTowerId1b
Entries 764
Mean 2391
RMS 464.8
Underflow 0
Overflow 0
softId

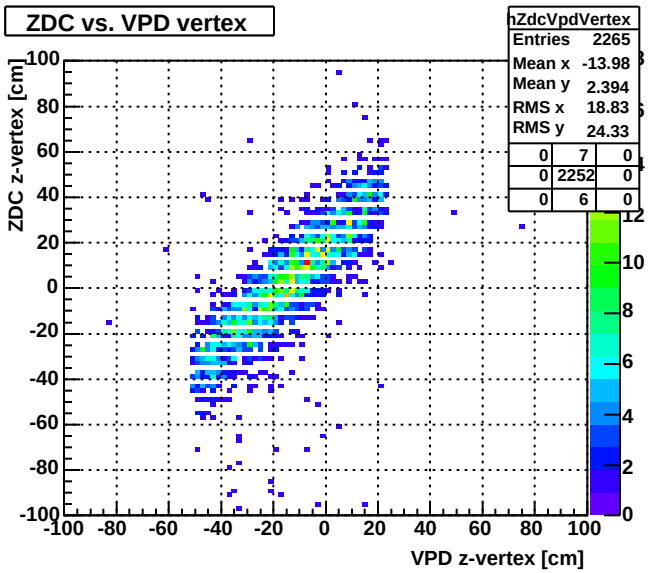

Tower Id2 1601-3200
hTowerId2b
Entries 719
Mean 2408
RMS 458.6
Underflow 0
Overflow 0
softId

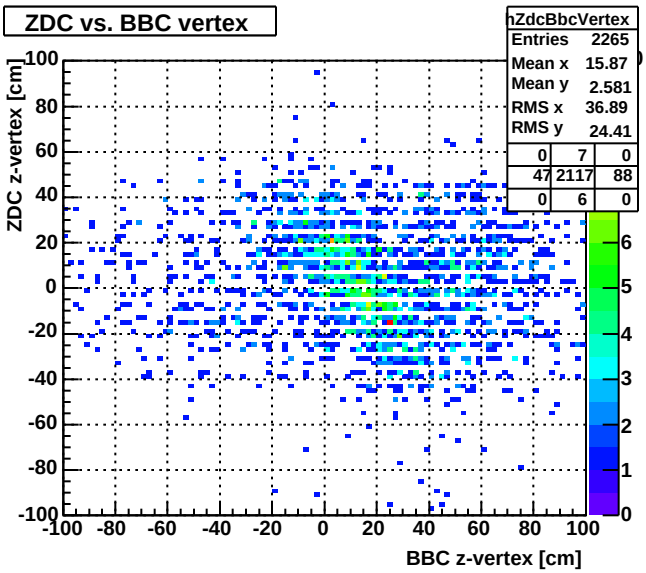

Tower Id1 3201-4800
hTowerId1c
Entries 691
Mean 4090
RMS 474.4
Underflow 0
Overflow 0
softId

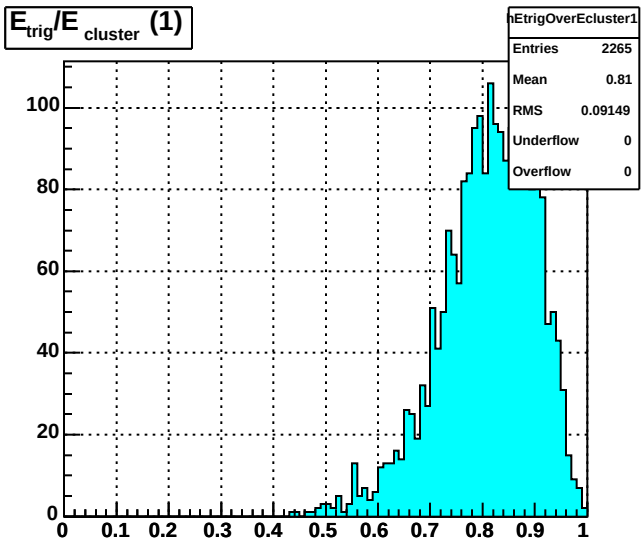

Tower Id2 3201-4800
hTowerId2c
Entries 787
Mean 4043
RMS 443.7
Underflow 0
Overflow 0
softId

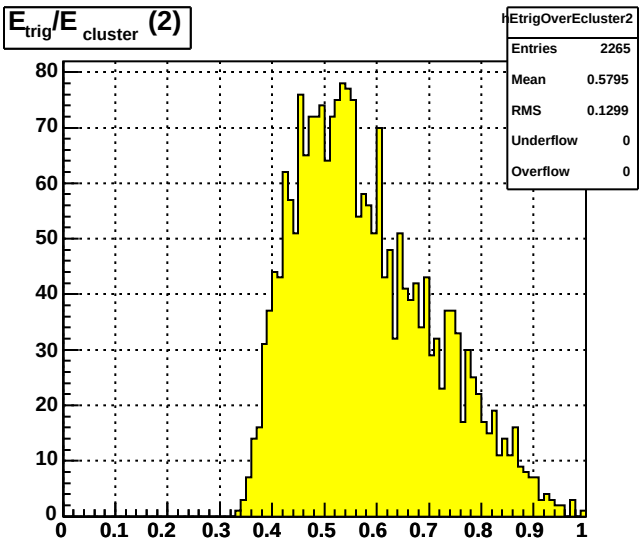

VPD vertex
hVpdVertex
Entries 2265
Mean -13.95
RMS 18.96
Underflow 0
Overflow 0
χ² / ndf 264.8 / 41
Constant 89.52 ± 2.35
Mean -15.6 ± 0.5
Sigma 18.46 ± 0.31
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2265
Mean 15.83
RMS 36.9
Underflow 47
Overflow 88
χ² / ndf 159 / 97
Constant 45.59 ± 1.42
Mean 20.68 ± 0.82
Sigma 34.9 ± 0.8
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2265
Mean x -13.98
Mean y 2.394
RMS x 18.83
RMS y 24.33
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2265
Mean x 15.87
Mean y 2.581
RMS x 36.89
RMS y 24.41
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2265
Mean 0.81
RMS 0.09149
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2265
Mean 0.5795
RMS 0.1299
Underflow 0
Overflow 0