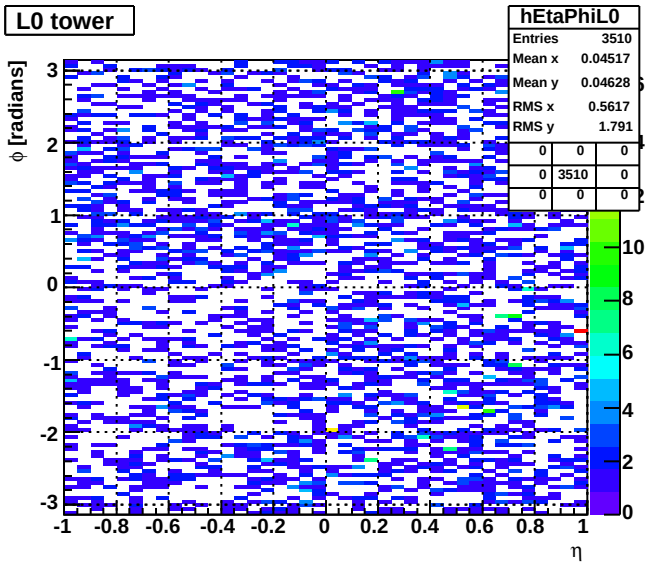
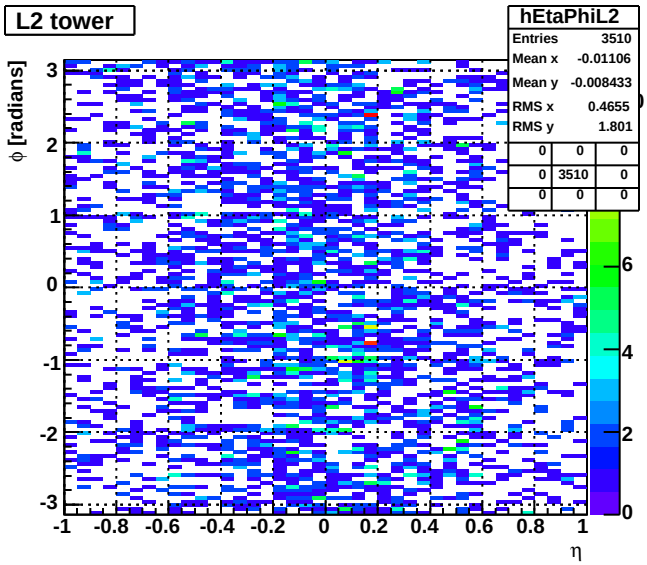
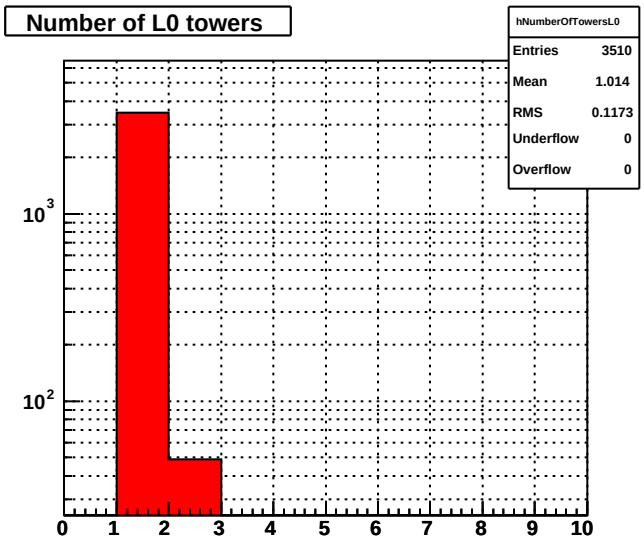
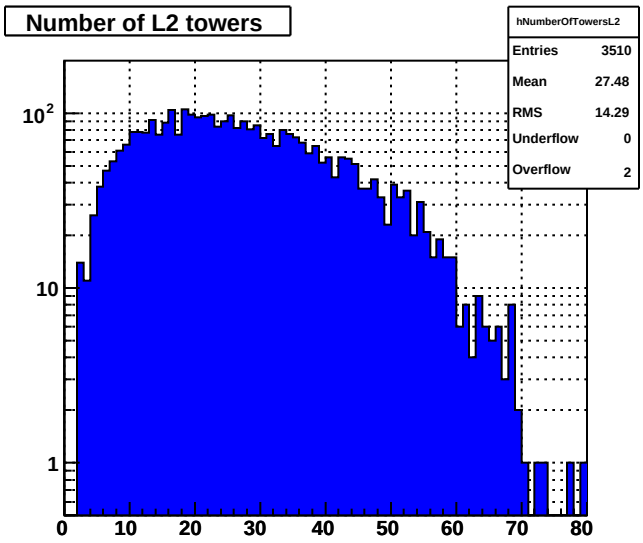
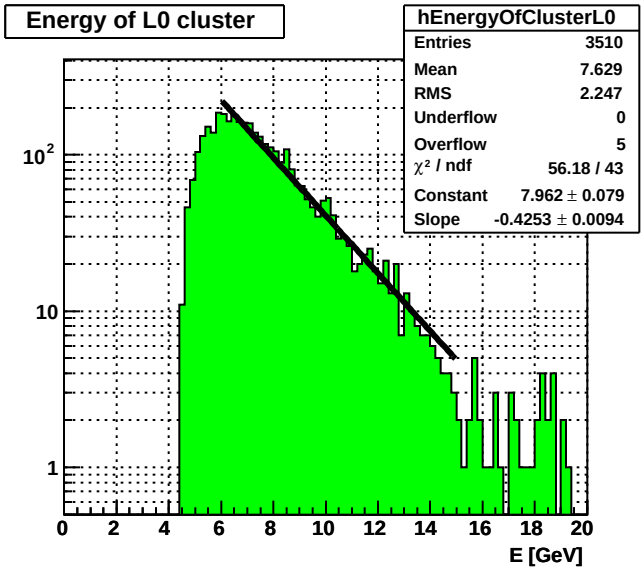
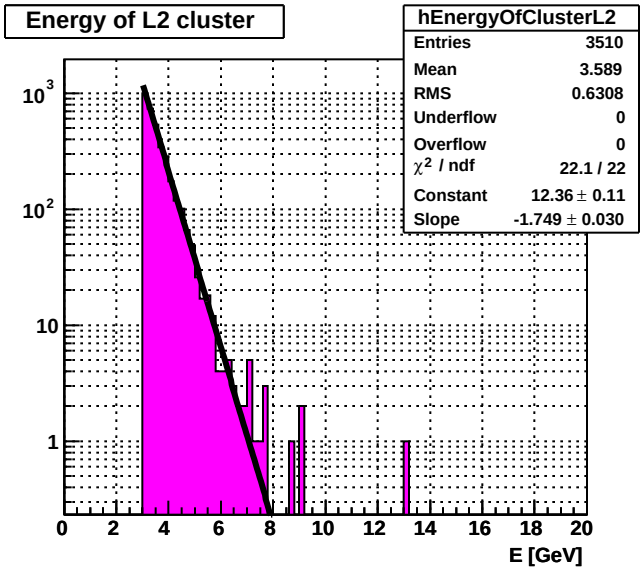

L0 tower
hEtaPhiL0
Entries 3510
Mean x 0.04517
Mean y 0.04628
RMS x 0.5617
RMS y 1.791
φ [radians]
η

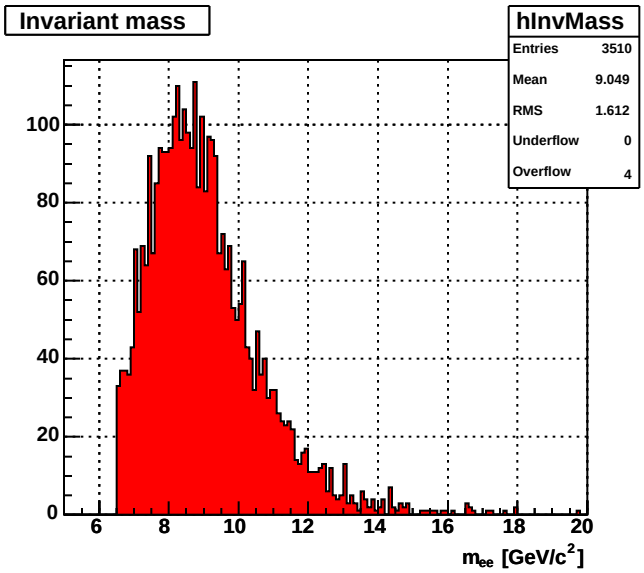

L2 tower
hEtaPhiL2
Entries 3510
Mean x -0.01106
Mean y -0.008433
RMS x 0.4655
RMS y 1.801
φ [radians]
η

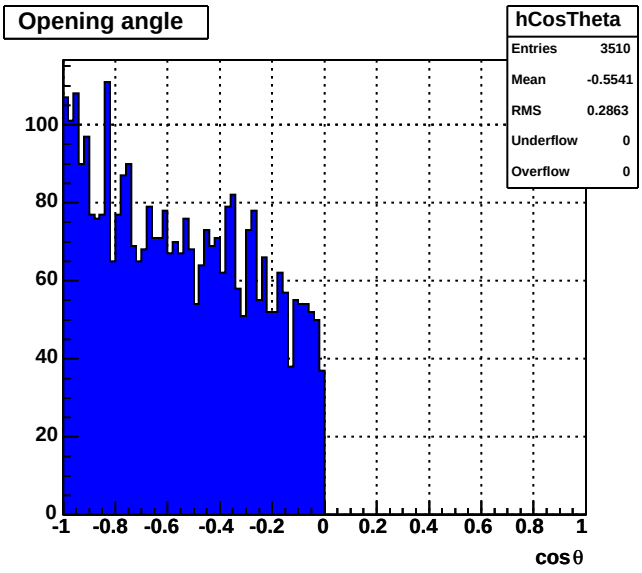

Number of L0 towers
hNumberOfTowersL0
Entries 3510
Mean 1.014
RMS 0.1173
Underflow 0
Overflow 0

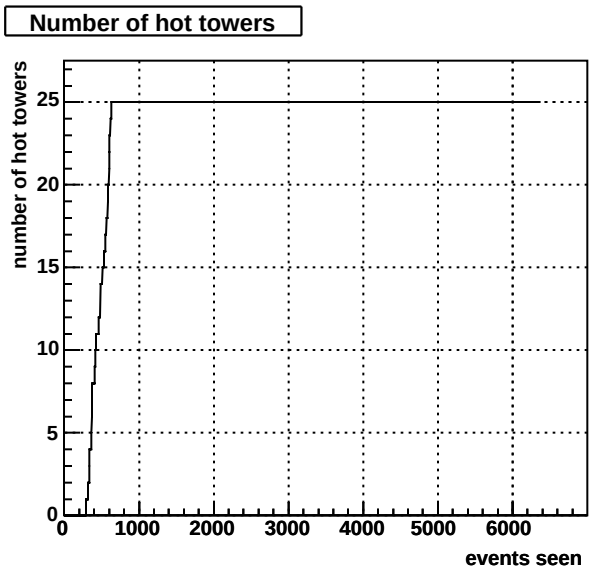

Number of L2 towers
hNumberOfTowersL2
Entries 3510
Mean 27.48
RMS 14.29
Underflow 0
Overflow 2

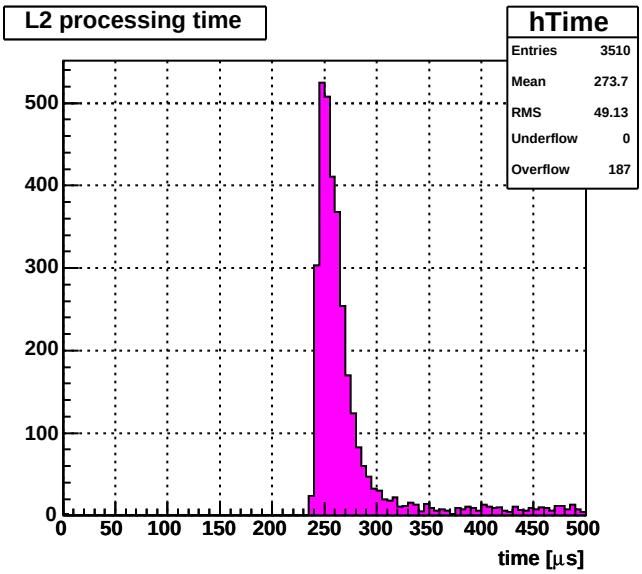

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3510
Mean 7.629
RMS 2.247
Underflow 0
Overflow 5
χ² / ndf 56.18 / 43
Constant 7.962 ± 0.079
Slope -0.4253 ± 0.0094
E [GeV]

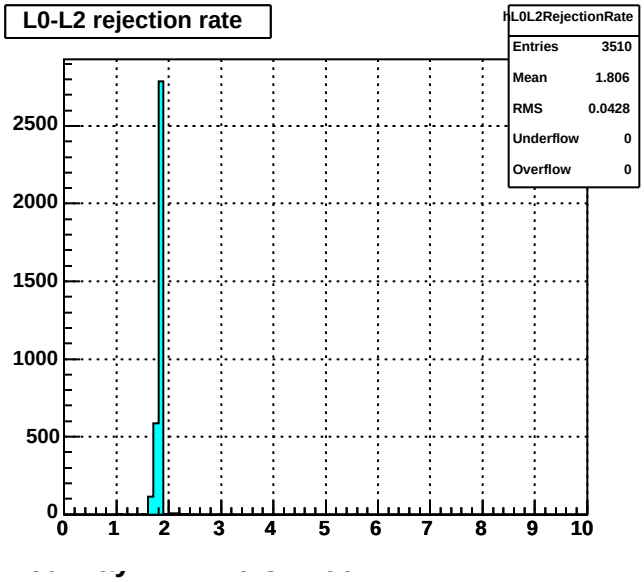

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3510
Mean 3.589
RMS 0.6308
Underflow 0
Overflow 0
χ² / ndf 22.1 / 22
Constant 12.36 ± 0.11
Slope -1.749 ± 0.030
E [GeV]

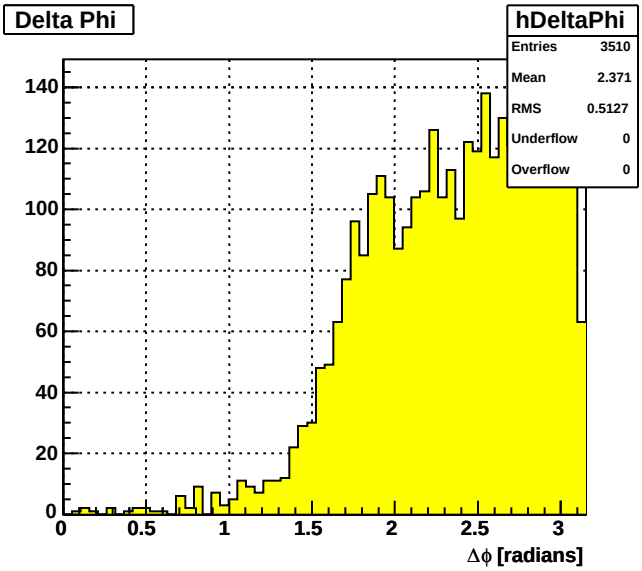

Invariant mass
hInvMass
Entries 3510
Mean 9.049
RMS 1.612
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

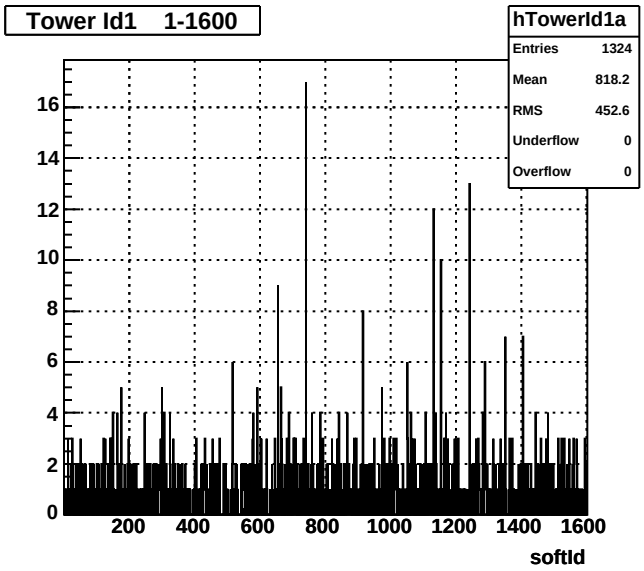

Opening angle
hCosTheta
Entries 3510
Mean -0.5541
RMS 0.2863
Underflow 0
Overflow 0
cos θ

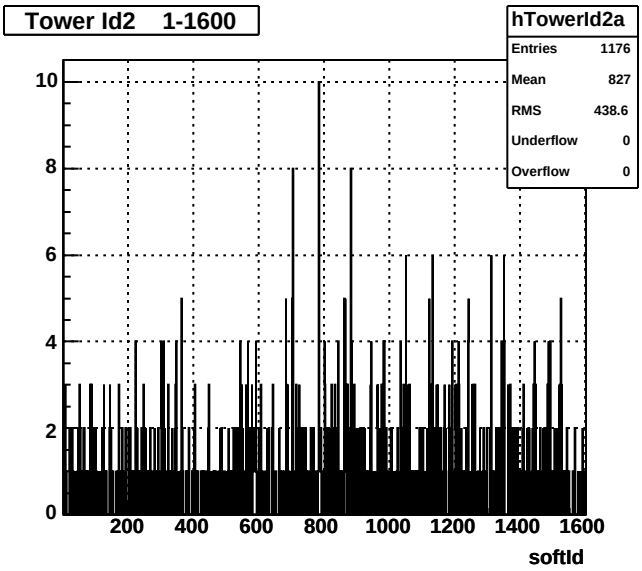

Number of hot towers
number of hot towers
events seen

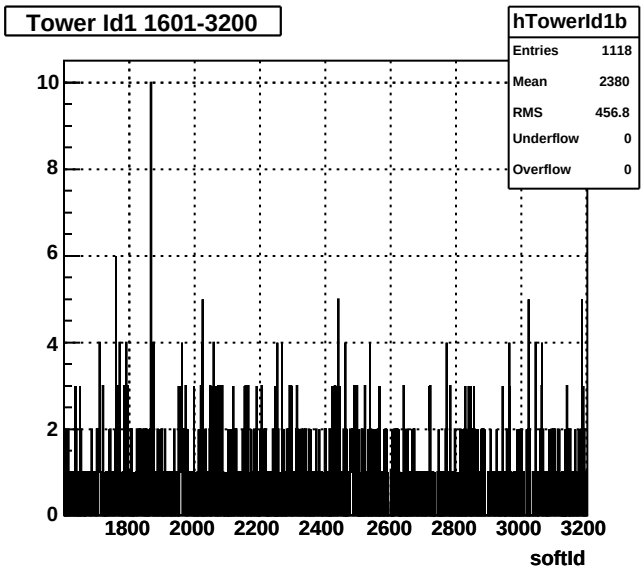

L2 processing time
hTime
Entries 3510
Mean 273.7
RMS 49.13
Underflow 0
Overflow 187
time [μs]

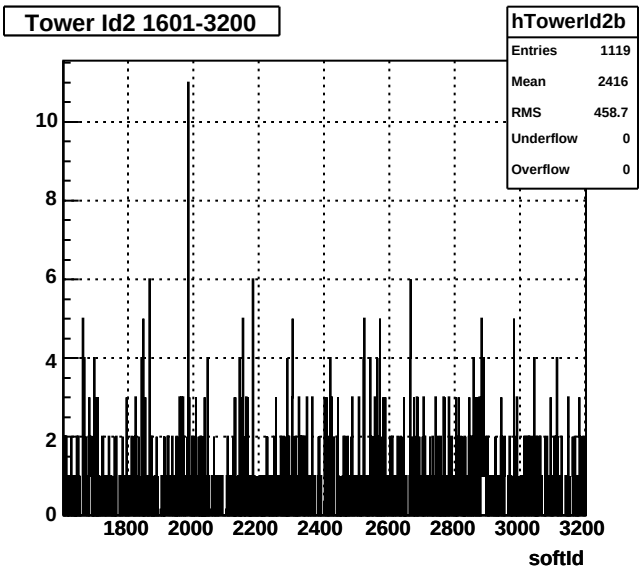

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3510
Mean 1.806
RMS 0.0428
Underflow 0
Overflow 0

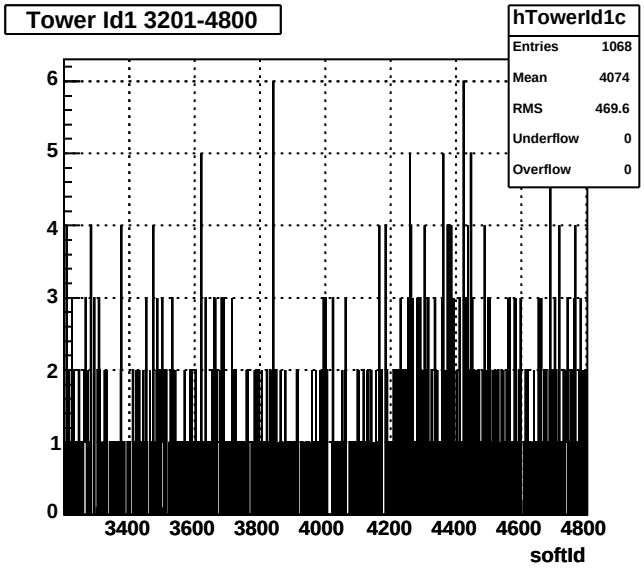

Delta Phi
hDeltaPhi
Entries 3510
Mean 2.371
RMS 0.5127
Underflow 0
Overflow 0
Δφ [radians]

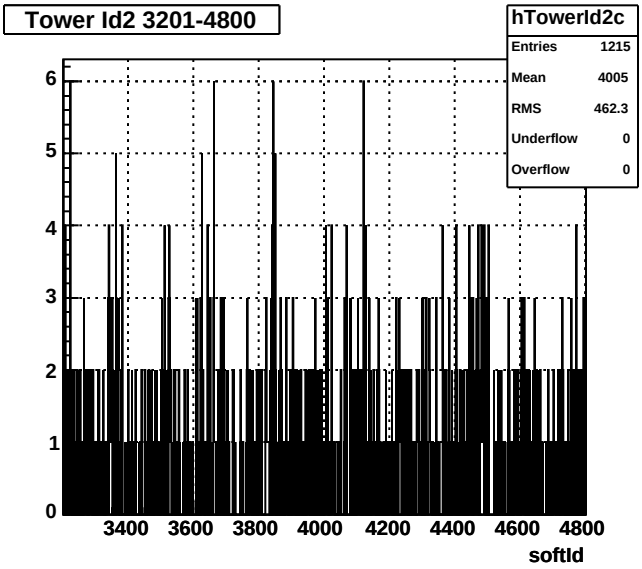

Tower Id1 1-1600
hTowerId1a
Entries 1324
Mean 818.2
RMS 452.6
Underflow 0
Overflow 0
softId

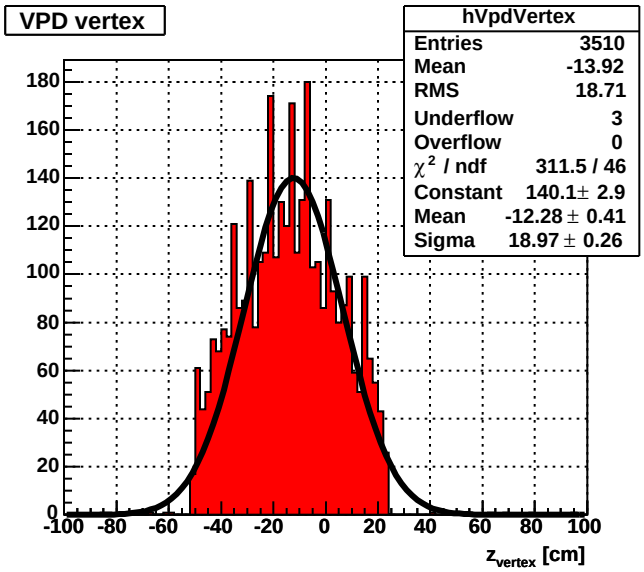

Tower Id2 1-1600
hTowerId2a
Entries 1176
Mean 827
RMS 438.6
Underflow 0
Overflow 0
softId

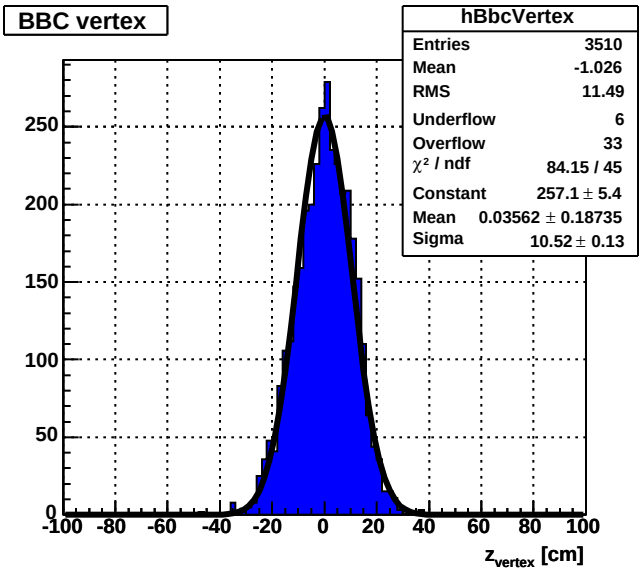

Tower Id1 1601-3200
hTowerId1b
Entries 1118
Mean 2380
RMS 456.8
Underflow 0
Overflow 0
softId

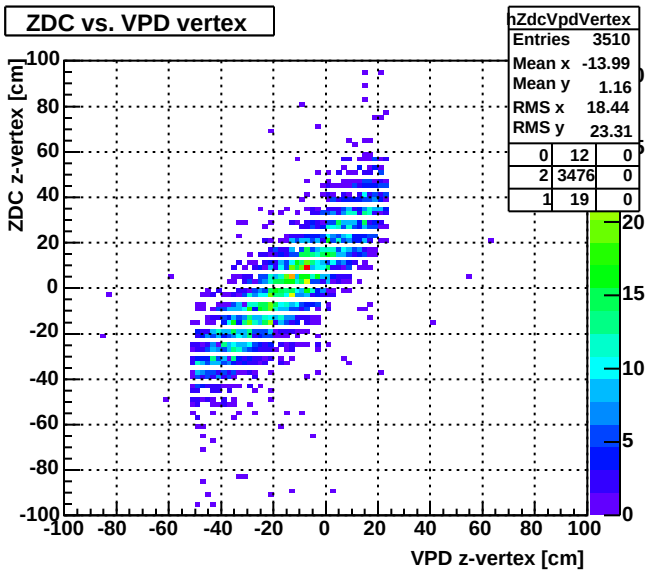

Tower Id2 1601-3200
hTowerId2b
Entries 1119
Mean 2416
RMS 458.7
Underflow 0
Overflow 0
softId

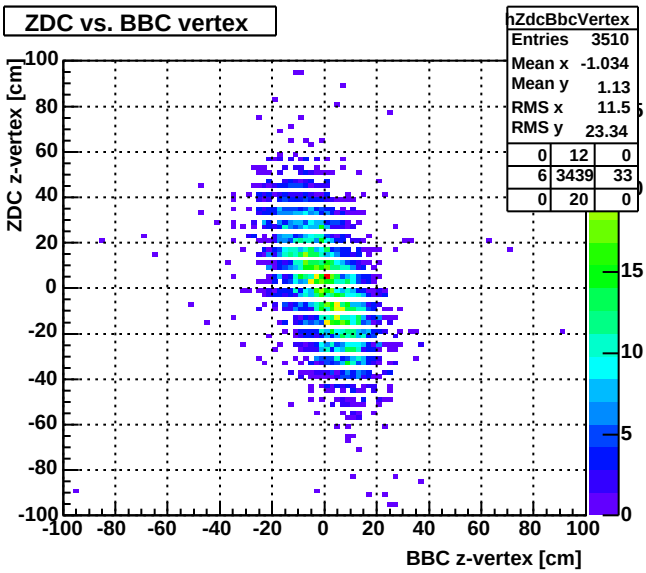

Tower Id1 3201-4800
hTowerId1c
Entries 1068
Mean 4074
RMS 469.6
Underflow 0
Overflow 0
softId

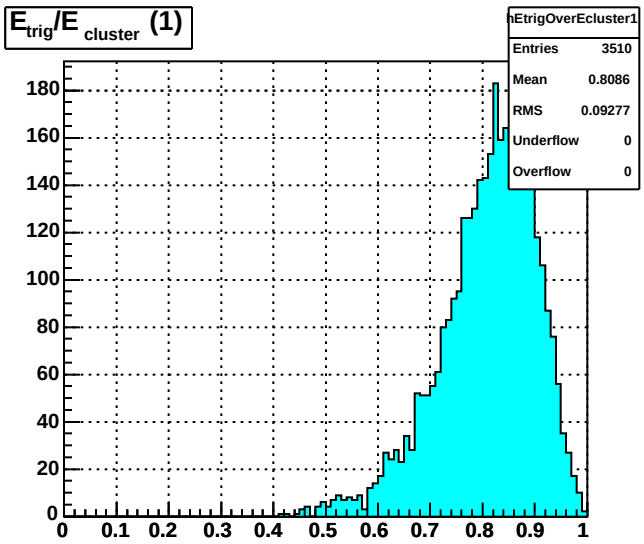

Tower Id2 3201-4800
hTowerId2c
Entries 1215
Mean 4005
RMS 462.3
Underflow 0
Overflow 0
softId

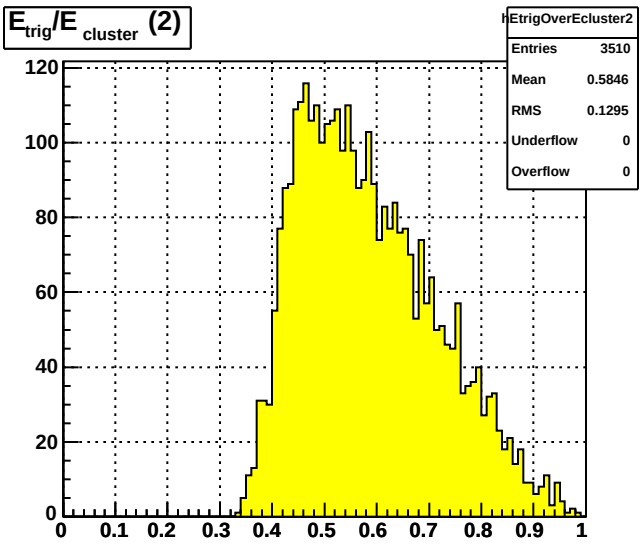

VPD vertex
hVpdVertex
Entries 3510
Mean -13.92
RMS 18.71
Underflow 3
Overflow 0
χ² / ndf 311.5 / 46
Constant 140.1 ± 2.9
Mean -12.28 ± 0.41
Sigma 18.97 ± 0.26
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3510
Mean -1.026
RMS 11.49
Underflow 6
Overflow 33
χ² / ndf 84.15 / 45
Constant 257.1 ± 5.4
Mean 0.03562 ± 0.18735
Sigma 10.52 ± 0.13
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3510
Mean x -13.99
Mean y 1.16
RMS x 18.44
RMS y 23.31
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3510
Mean x -1.034
Mean y 1.13
RMS x 11.5
RMS y 23.34
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3510
Mean 0.8086
RMS 0.09277
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3510
Mean 0.5846
RMS 0.1295
Underflow 0
Overflow 0