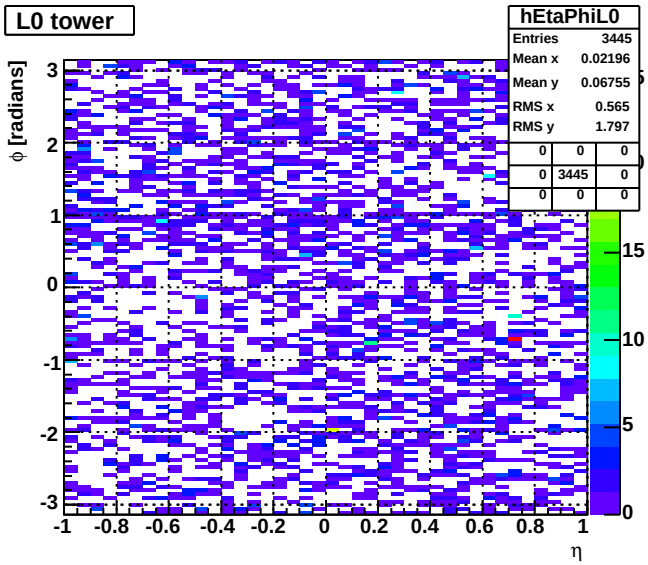
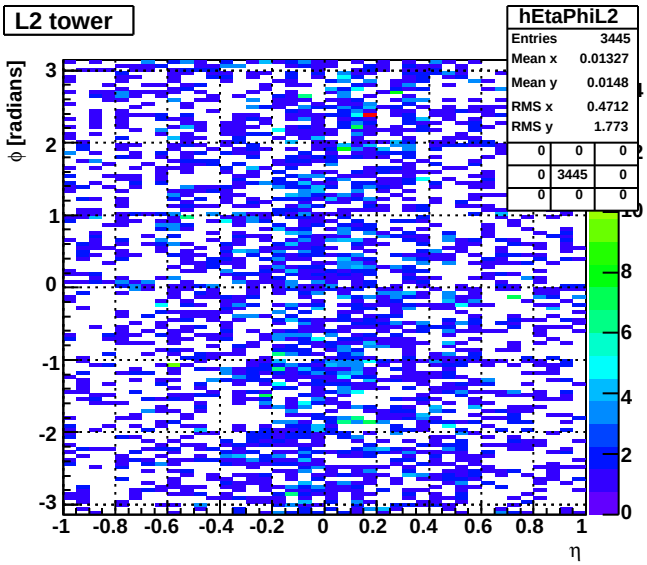
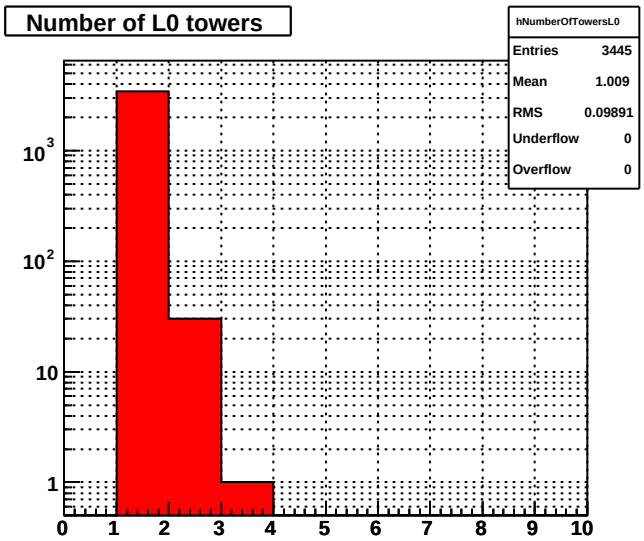
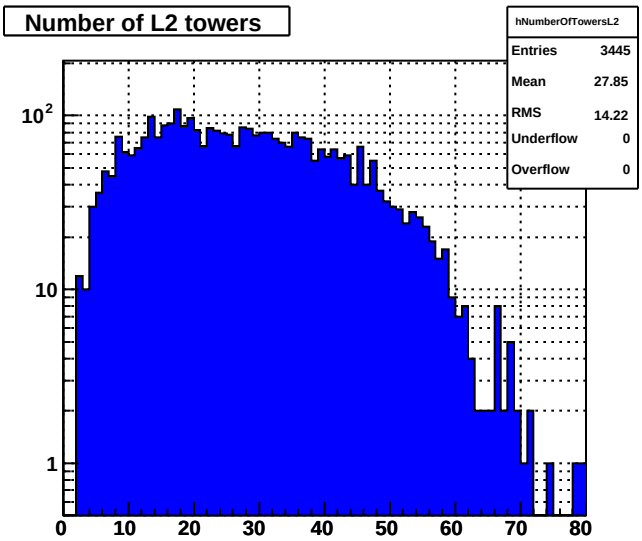
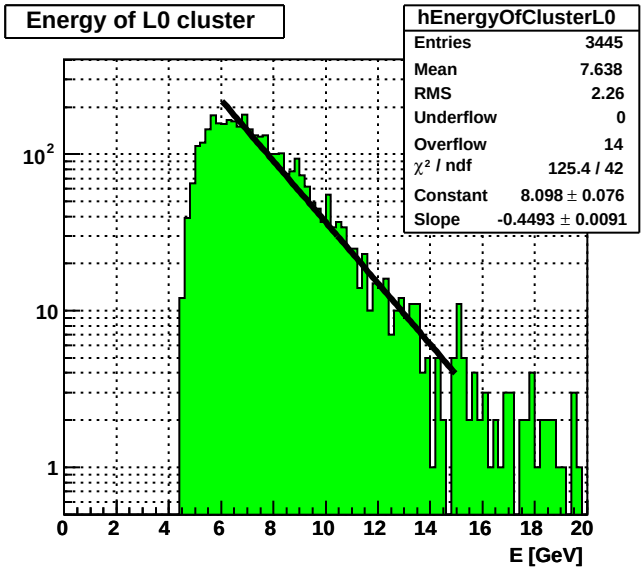
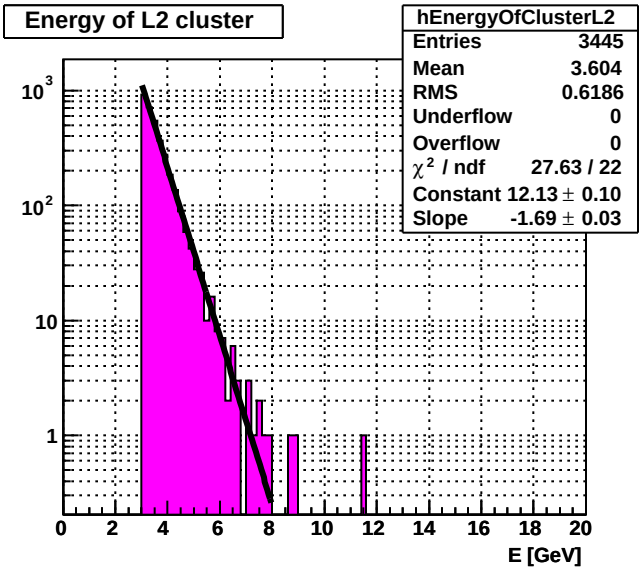

L0 tower
hEtaPhiL0
Entries 3445
Mean x 0.02196
Mean y 0.06755
RMS x 0.565
RMS y 1.797
φ [radians]
η

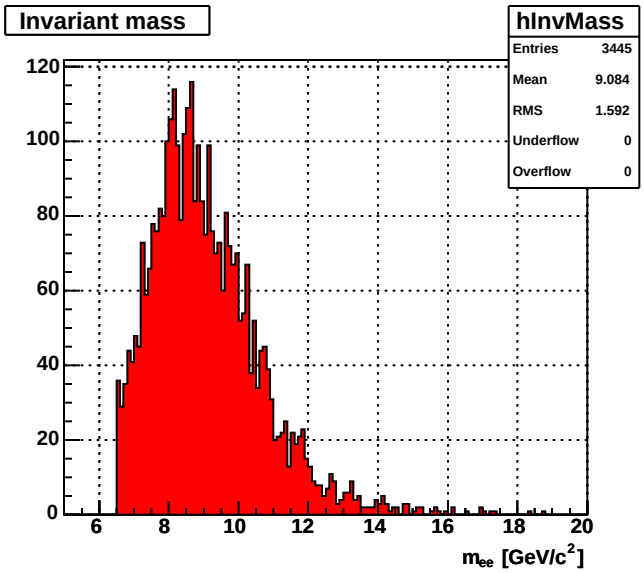

L2 tower
hEtaPhiL2
Entries 3445
Mean x 0.01327
Mean y 0.0148
RMS x 0.4712
RMS y 1.773
φ [radians]
η

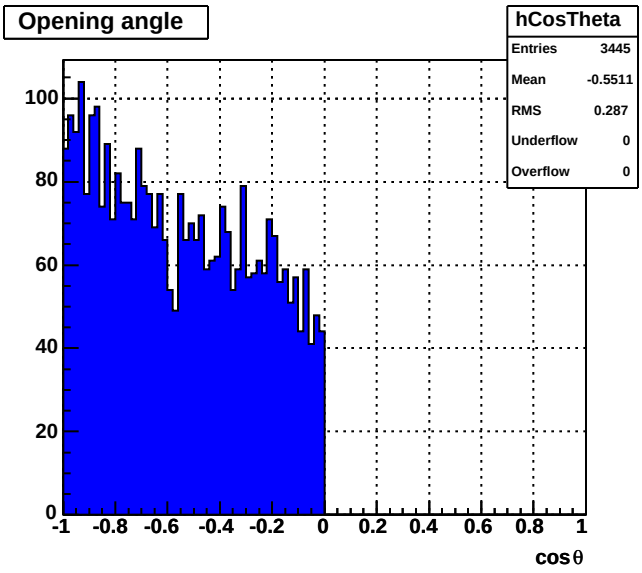

Number of L0 towers
hNumberOfTowersL0
Entries 3445
Mean 1.009
RMS 0.09891
Underflow 0
Overflow 0

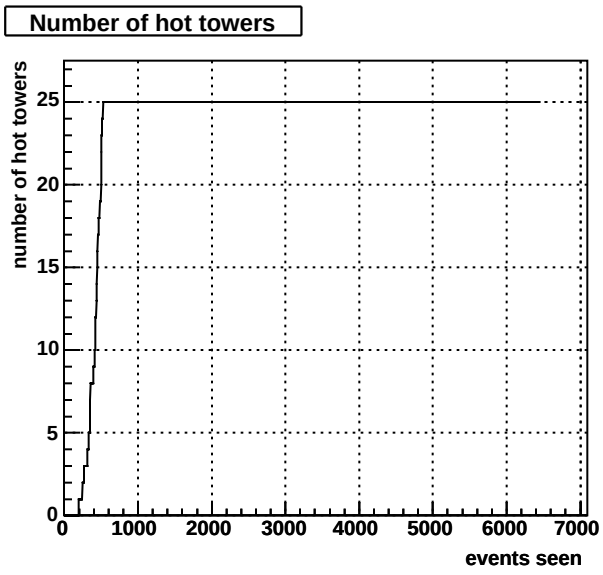

Number of L2 towers
hNumberOfTowersL2
Entries 3445
Mean 27.85
RMS 14.22
Underflow 0
Overflow 0

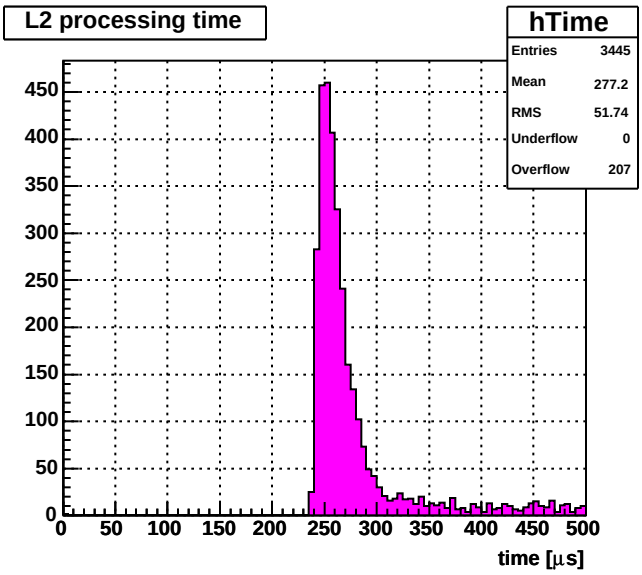

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3445
Mean 7.638
RMS 2.26
Underflow 0
Overflow 14
χ² / ndf 125.4 / 42
Constant 8.098 ± 0.076
Slope -0.4493 ± 0.0091
E [GeV]

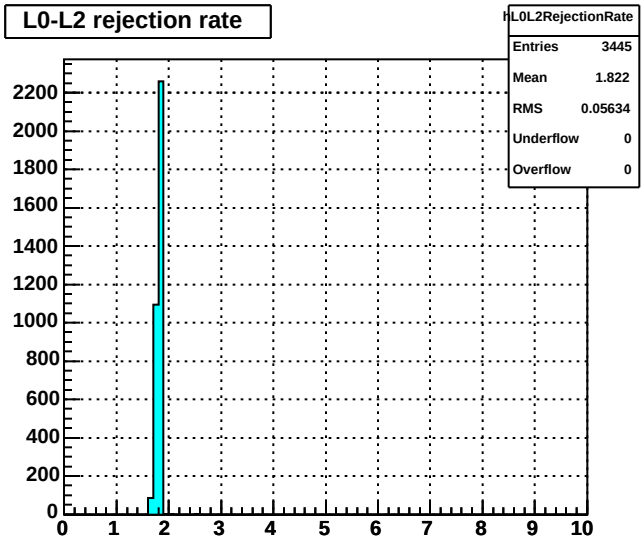

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3445
Mean 3.604
RMS 0.6186
Underflow 0
Overflow 0
χ² / ndf 27.63 / 22
Constant 12.13 ± 0.10
Slope -1.69 ± 0.03
E [GeV]

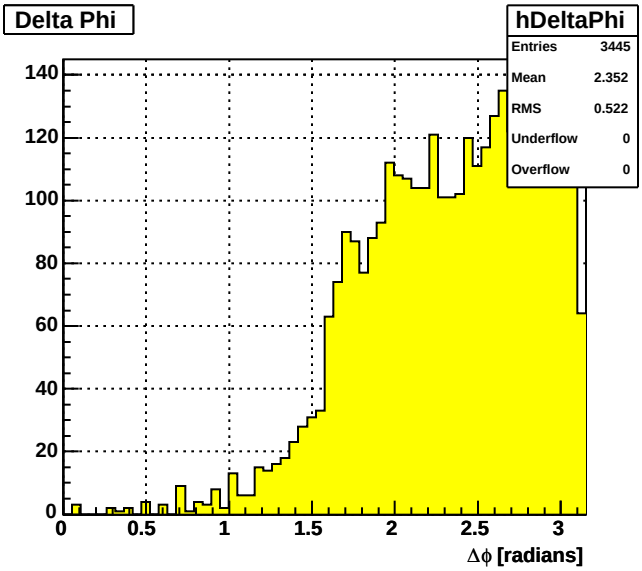

Invariant mass
hInvMass
Entries 3445
Mean 9.084
RMS 1.592
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

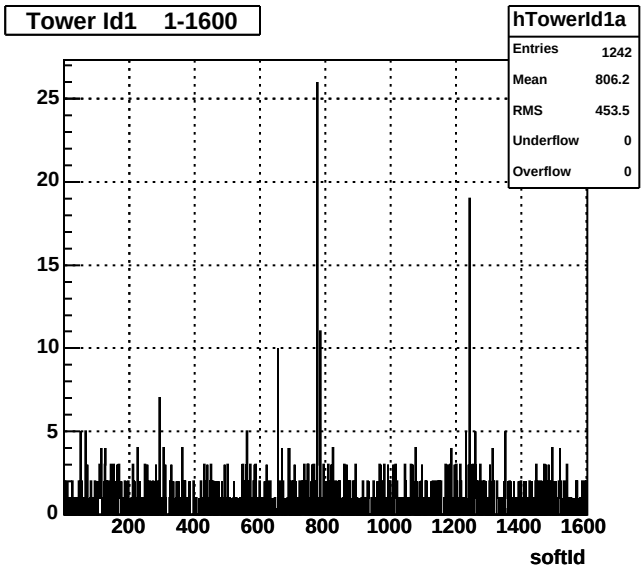

Opening angle
hCosTheta
Entries 3445
Mean -0.5511
RMS 0.287
Underflow 0
Overflow 0
cos θ

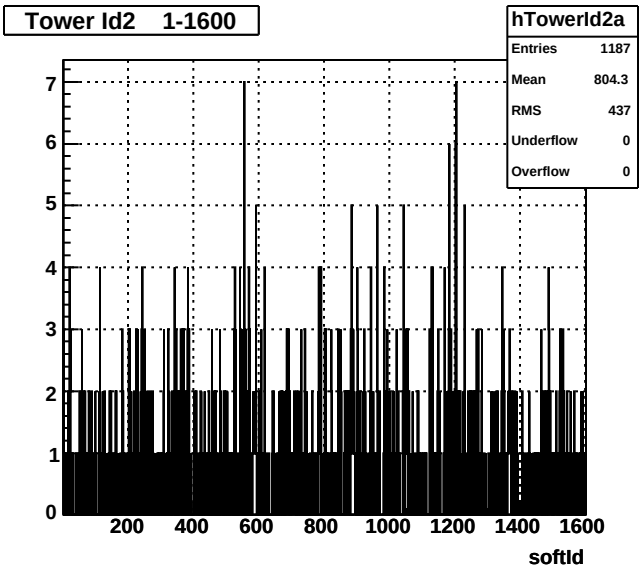

Number of hot towers
number of hot towers
events seen

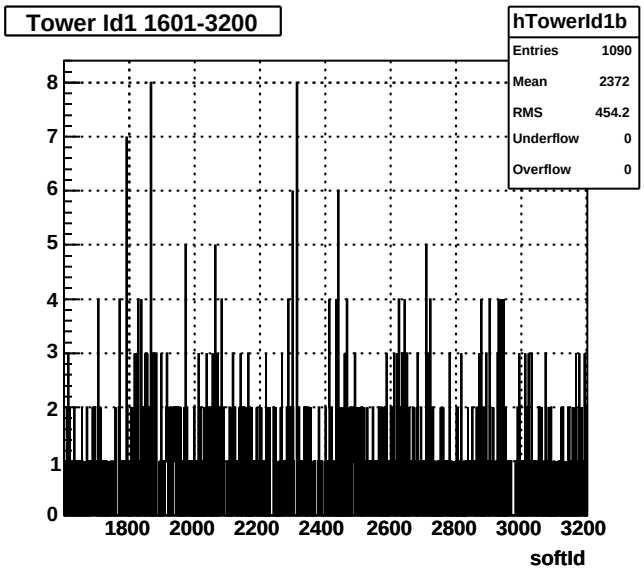

L2 processing time
hTime
Entries 3445
Mean 277.2
RMS 51.74
Underflow 0
Overflow 207
time [μs]

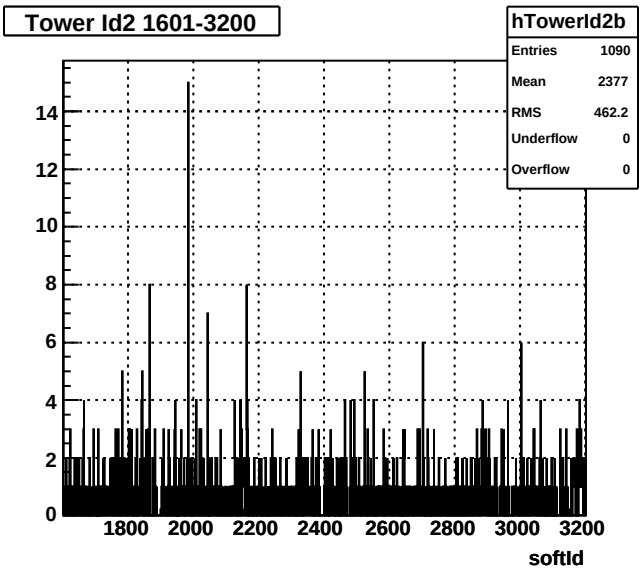

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3445
Mean 1.822
RMS 0.05634
Underflow 0
Overflow 0

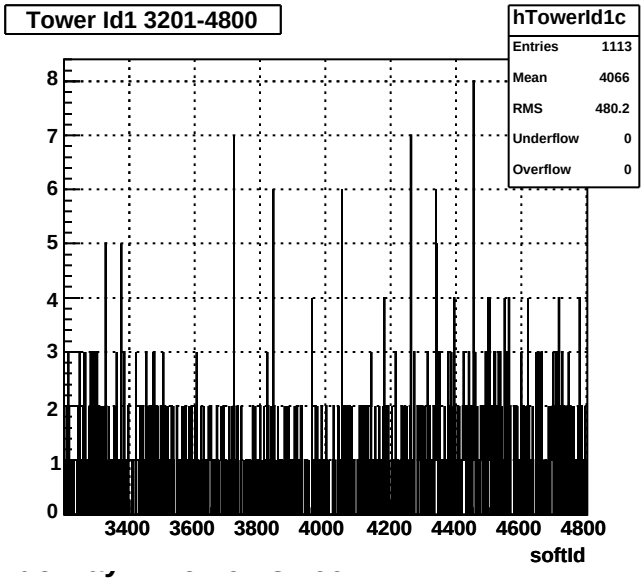

Delta Phi
hDeltaPhi
Entries 3445
Mean 2.352
RMS 0.522
Underflow 0
Overflow 0
Δφ [radians]

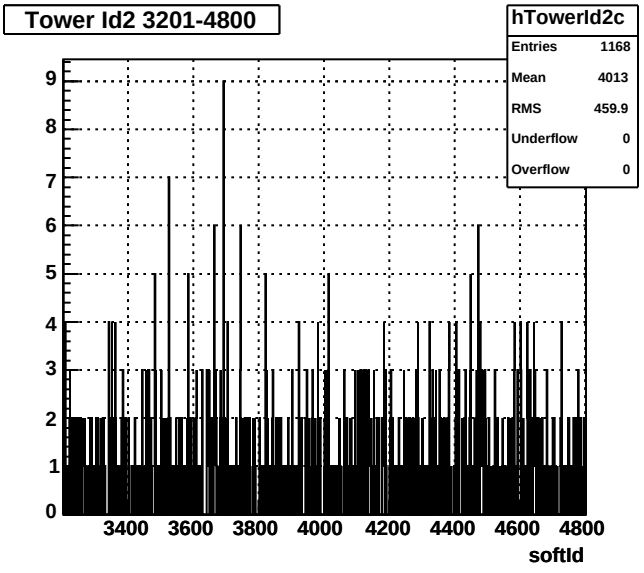

Tower Id1 1-1600
hTowerId1a
Entries 1242
Mean 806.2
RMS 453.5
Underflow 0
Overflow 0
softId

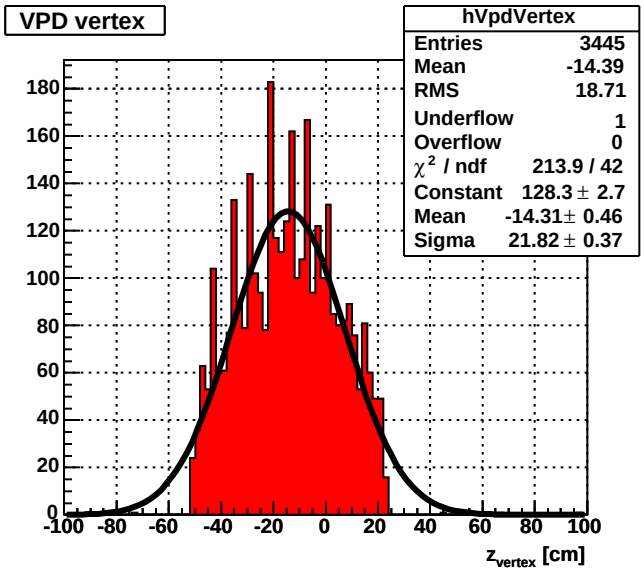

Tower Id2 1-1600
hTowerId2a
Entries 1187
Mean 804.3
RMS 437
Underflow 0
Overflow 0
softId

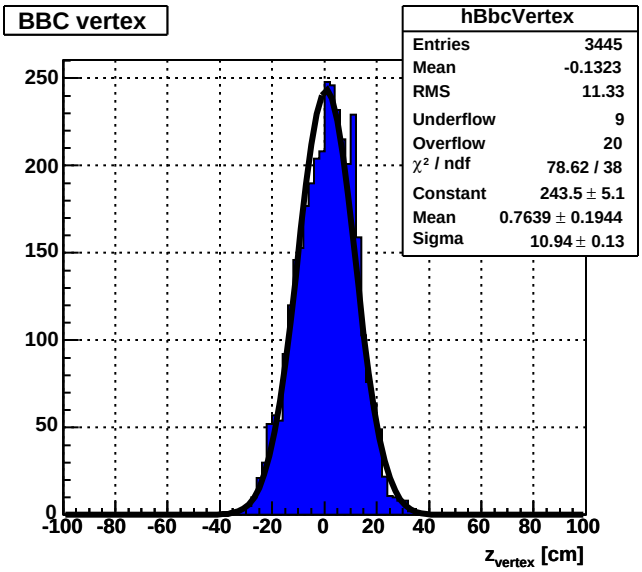

Tower Id1 1601-3200
hTowerId1b
Entries 1090
Mean 2372
RMS 454.2
Underflow 0
Overflow 0
softId

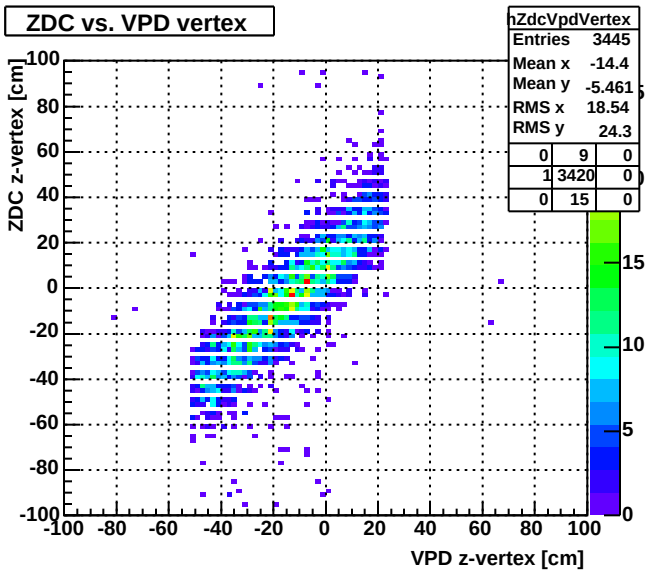

Tower Id2 1601-3200
hTowerId2b
Entries 1090
Mean 2377
RMS 462.2
Underflow 0
Overflow 0
softId

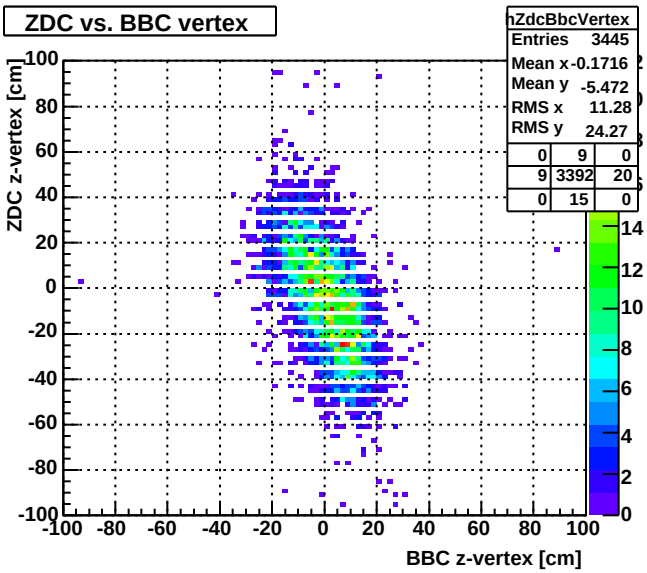

Tower Id1 3201-4800
hTowerId1c
Entries 1113
Mean 4066
RMS 480.2
Underflow 0
Overflow 0
softId

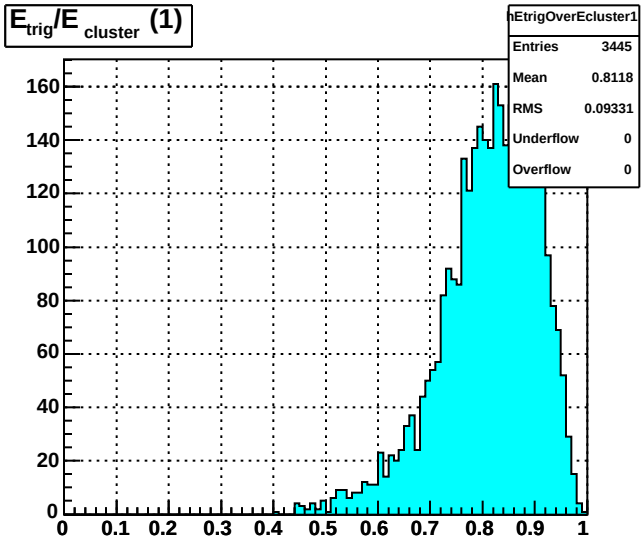

Tower Id2 3201-4800
hTowerId2c
Entries 1168
Mean 4013
RMS 459.9
Underflow 0
Overflow 0
softId

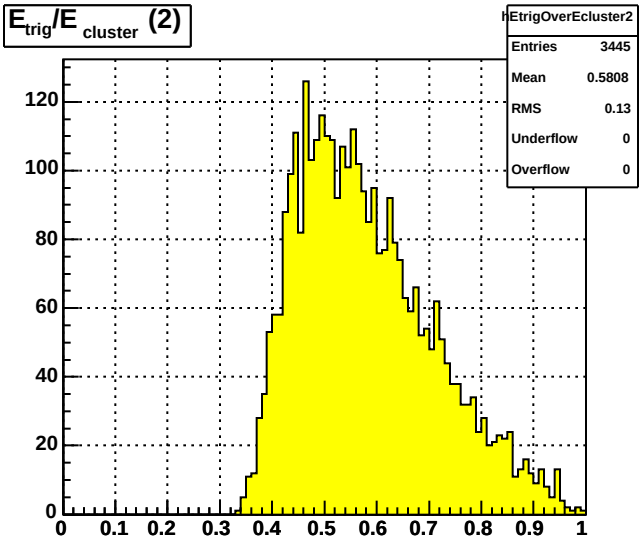

VPD vertex
hVpdVertex
Entries 3445
Mean -14.39
RMS 18.71
Underflow 1
Overflow 0
χ² / ndf 213.9 / 42
Constant 128.3 ± 2.7
Mean -14.31 ± 0.46
Sigma 21.82 ± 0.37
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3445
Mean -0.1323
RMS 11.33
Underflow 9
Overflow 20
χ² / ndf 78.62 / 38
Constant 243.5 ± 5.1
Mean 0.7639 ± 0.1944
Sigma 10.94 ± 0.13
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3445
Mean x -14.4
Mean y -5.461
RMS x 18.54
RMS y 24.3
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3445
Mean x -0.1716
Mean y -5.472
RMS x 11.28
RMS y 24.27
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3445
Mean 0.8118
RMS 0.09331
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3445
Mean 0.5808
RMS 0.13
Underflow 0
Overflow 0