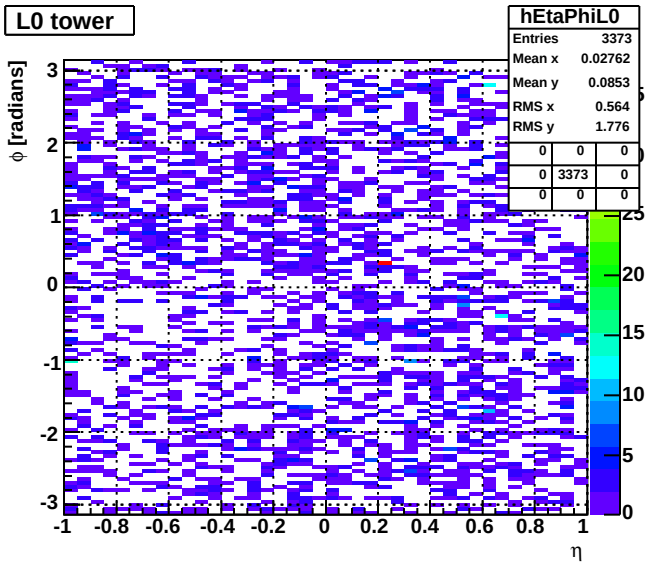
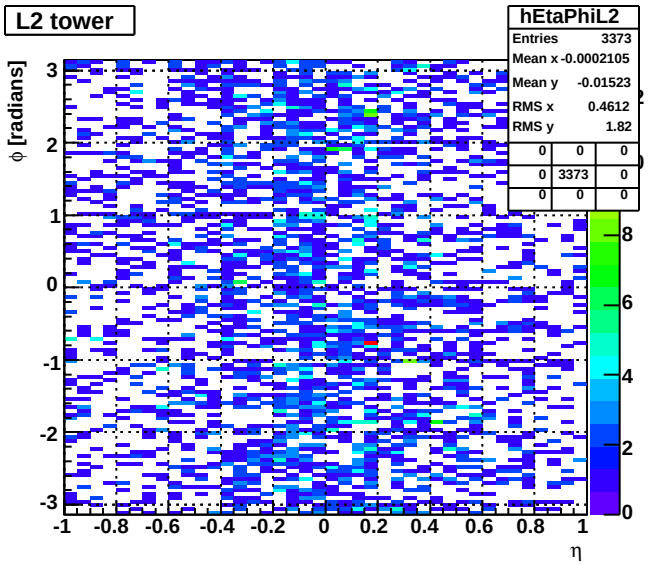
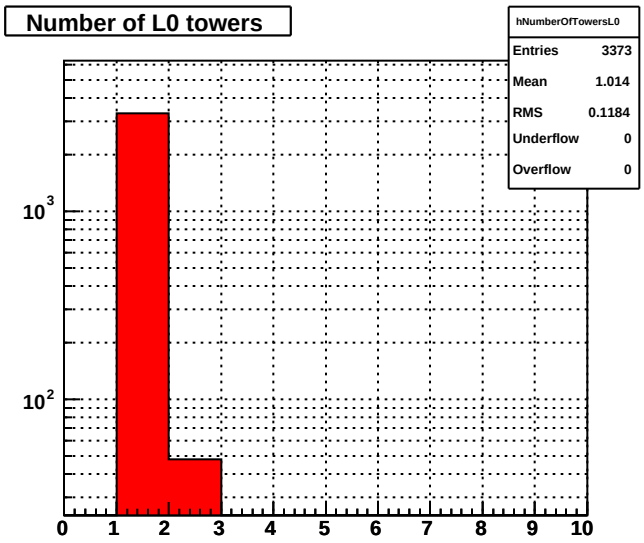
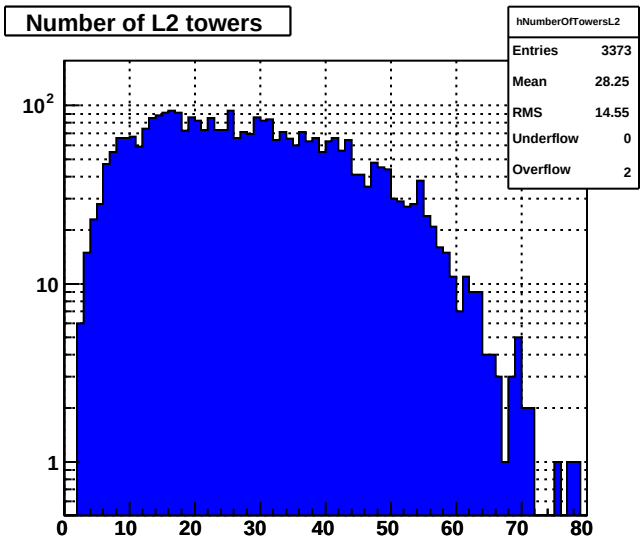
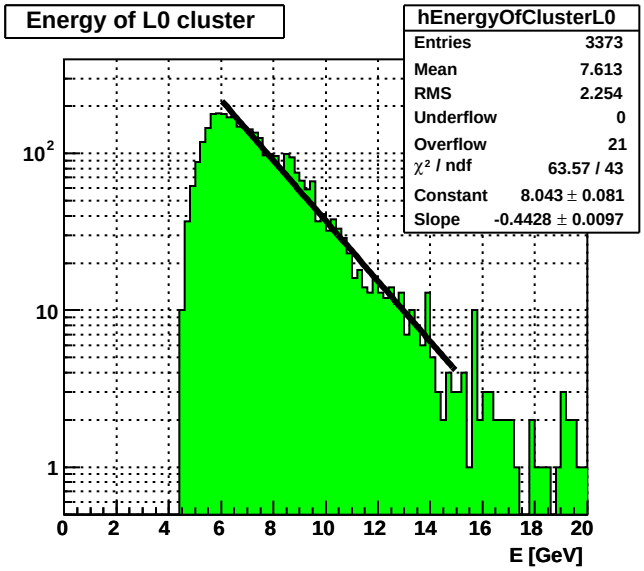
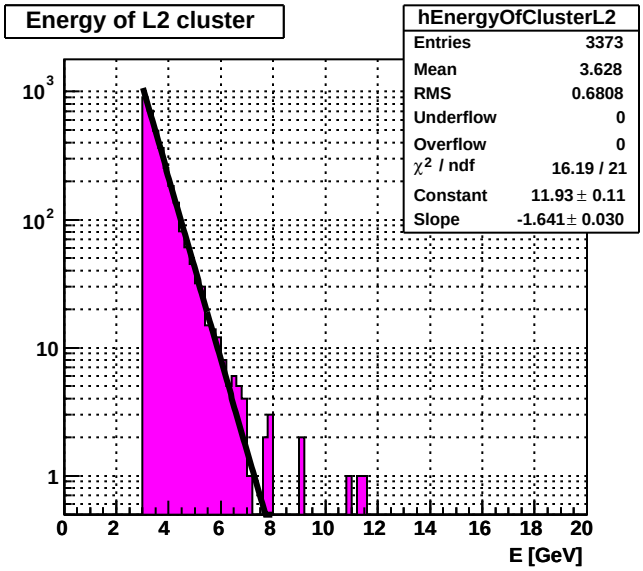

L0 tower
hEtaPhiL0
Entries 3373
Mean x 0.02762
Mean y 0.0853
RMS x 0.564
RMS y 1.776
φ [radians]
η

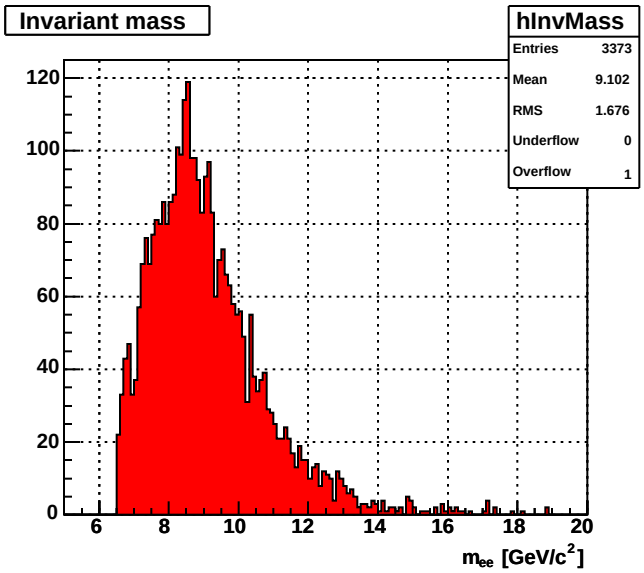

L2 tower
hEtaPhiL2
Entries 3373
Mean x -0.0002105
Mean y -0.01523
RMS x 0.4612
RMS y 1.82
φ [radians]
η

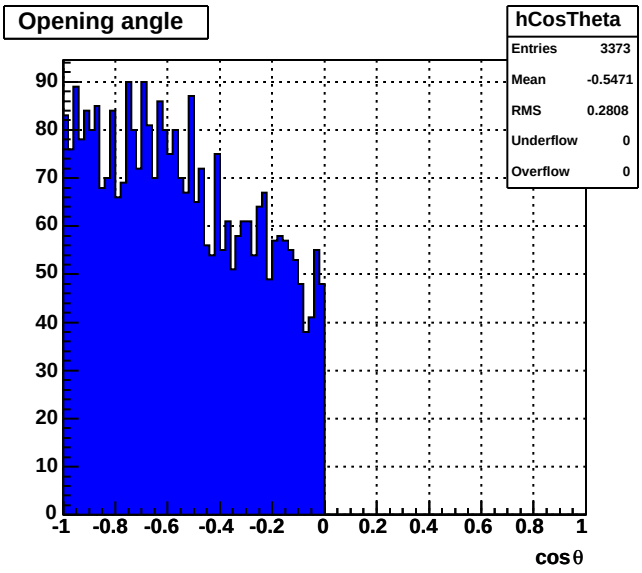

Number of L0 towers
hNumberOfTowersL0
Entries 3373
Mean 1.014
RMS 0.1184
Underflow 0
Overflow 0

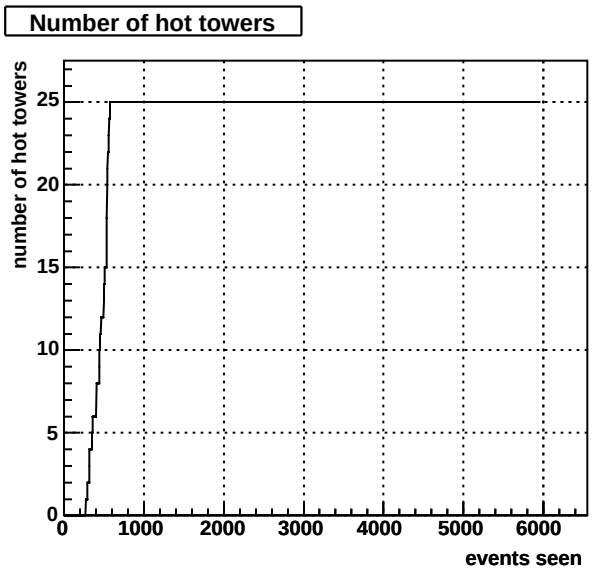

Number of L2 towers
hNumberOfTowersL2
Entries 3373
Mean 28.25
RMS 14.55
Underflow 0
Overflow 2

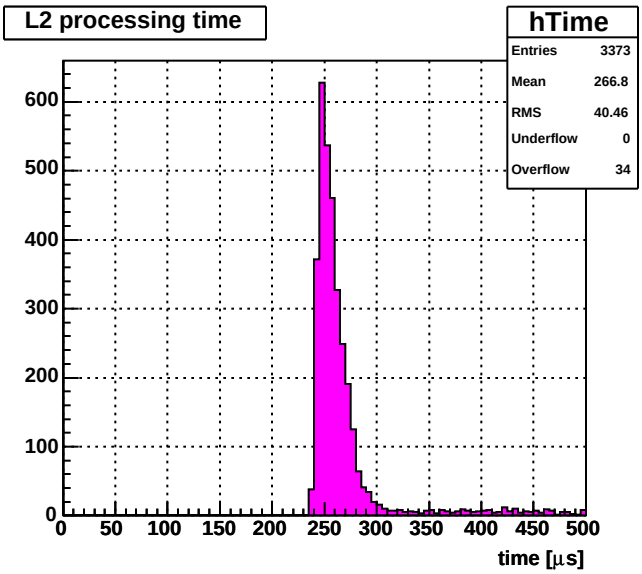

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3373
Mean 7.613
RMS 2.254
Underflow 0
Overflow 21
χ² / ndf 63.57 / 43
Constant 8.043 ± 0.081
Slope -0.4428 ± 0.0097
E [GeV]

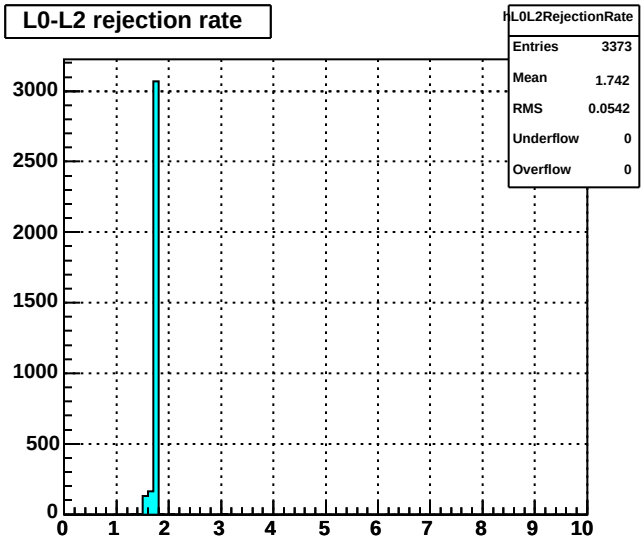

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3373
Mean 3.628
RMS 0.6808
Underflow 0
Overflow 0
χ² / ndf 16.19 / 21
Constant 11.93 ± 0.11
Slope -1.641 ± 0.030
E [GeV]

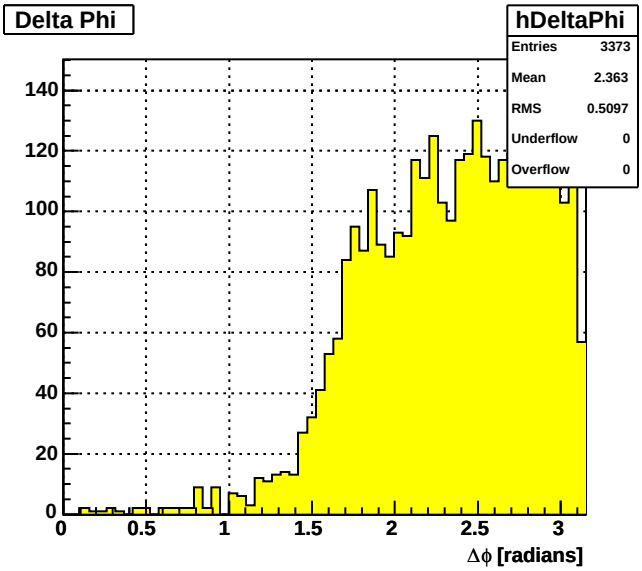

Invariant mass
hInvMass
Entries 3373
Mean 9.102
RMS 1.676
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

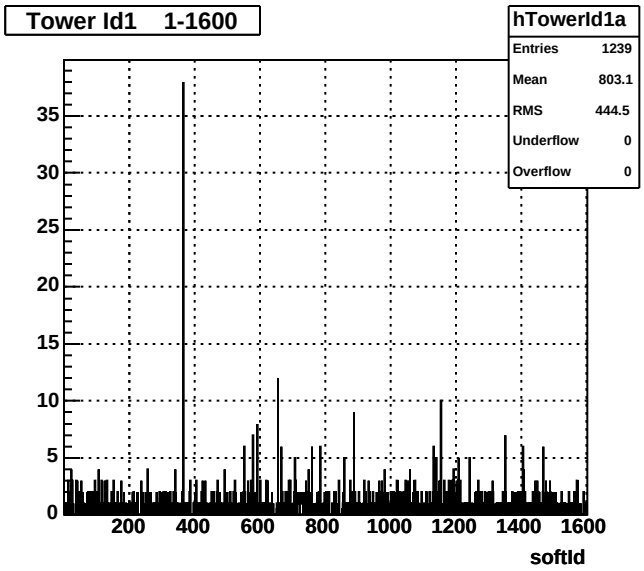

Opening angle
hCosTheta
Entries 3373
Mean -0.5471
RMS 0.2808
Underflow 0
Overflow 0
cos θ

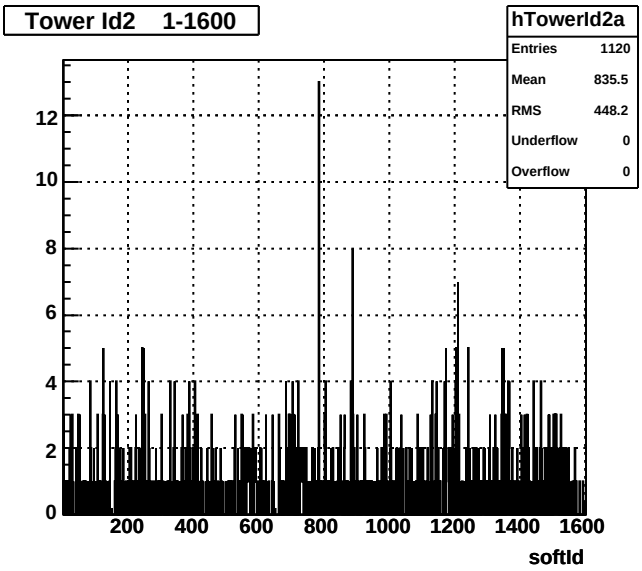

Number of hot towers
number of hot towers
events seen

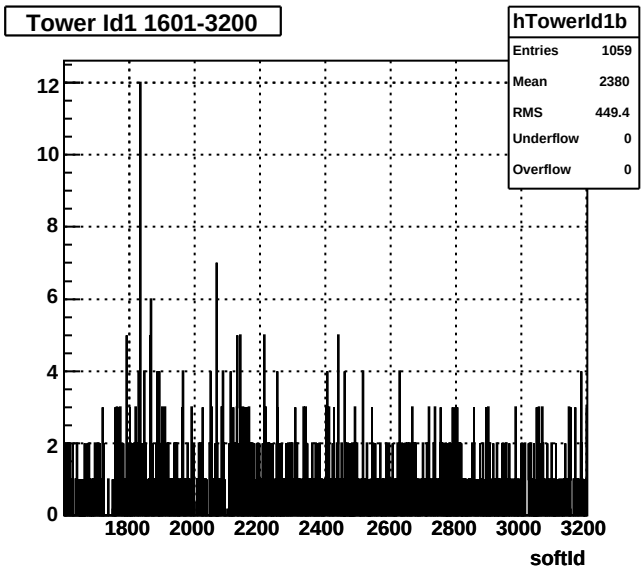

L2 processing time
hTime
Entries 3373
Mean 266.8
RMS 40.46
Underflow 0
Overflow 34
time [μs]

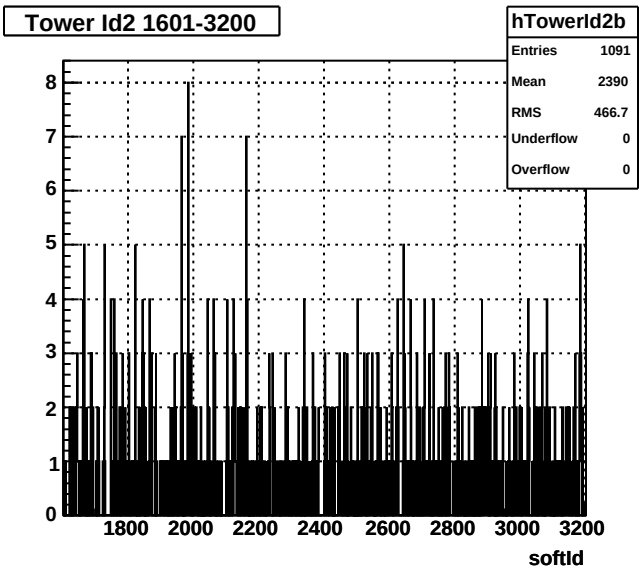

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3373
Mean 1.742
RMS 0.0542
Underflow 0
Overflow 0

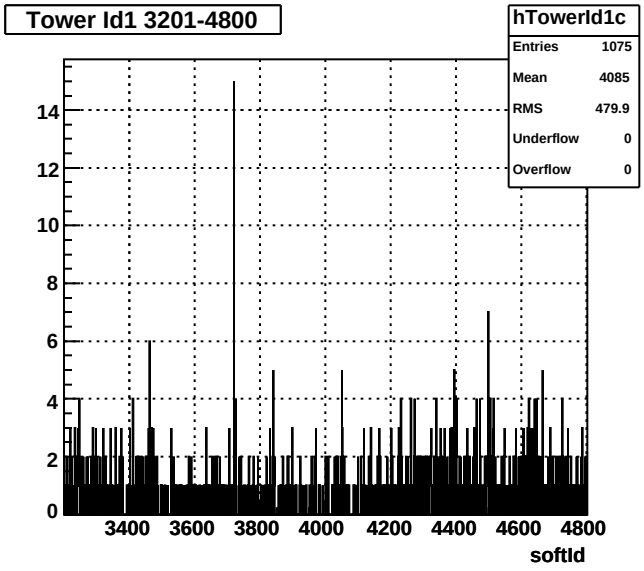

Delta Phi
hDeltaPhi
Entries 3373
Mean 2.363
RMS 0.5097
Underflow 0
Overflow 0
Δφ [radians]

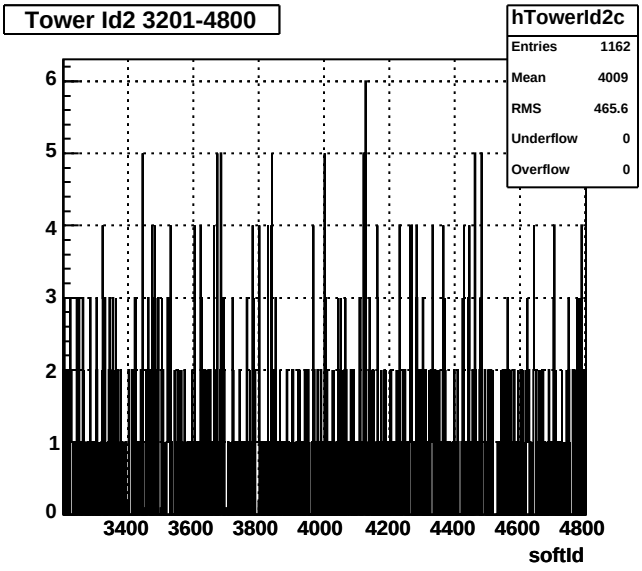

Tower Id1 1-1600
hTowerId1a
Entries 1239
Mean 803.1
RMS 444.5
Underflow 0
Overflow 0
softId

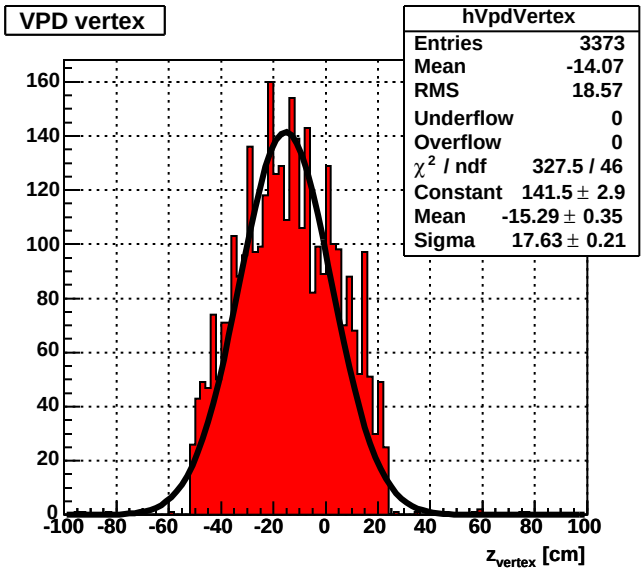

Tower Id2 1-1600
hTowerId2a
Entries 1120
Mean 835.5
RMS 448.2
Underflow 0
Overflow 0
softId

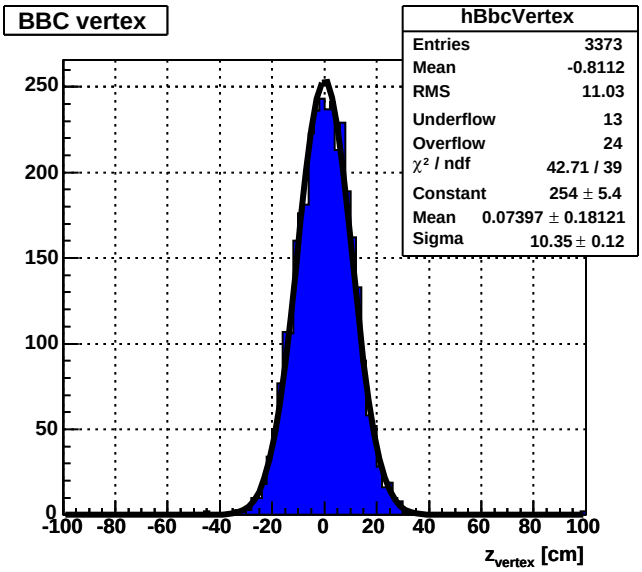

Tower Id1 1601-3200
hTowerId1b
Entries 1059
Mean 2380
RMS 449.4
Underflow 0
Overflow 0
softId

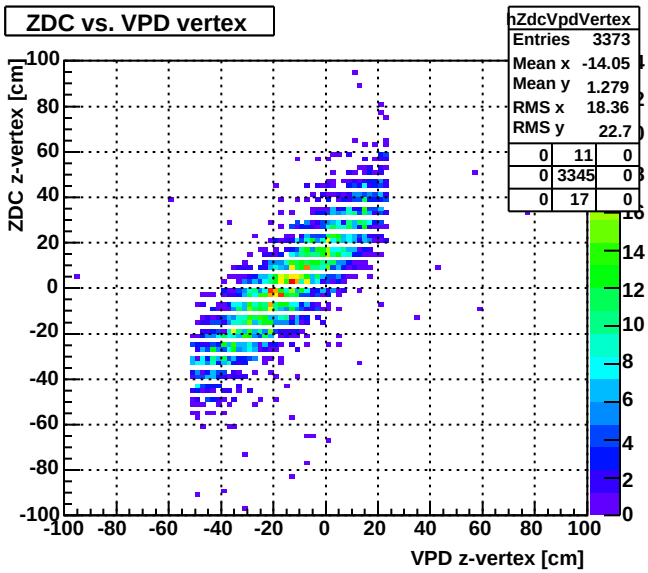

Tower Id2 1601-3200
hTowerId2b
Entries 1091
Mean 2390
RMS 466.7
Underflow 0
Overflow 0
softId

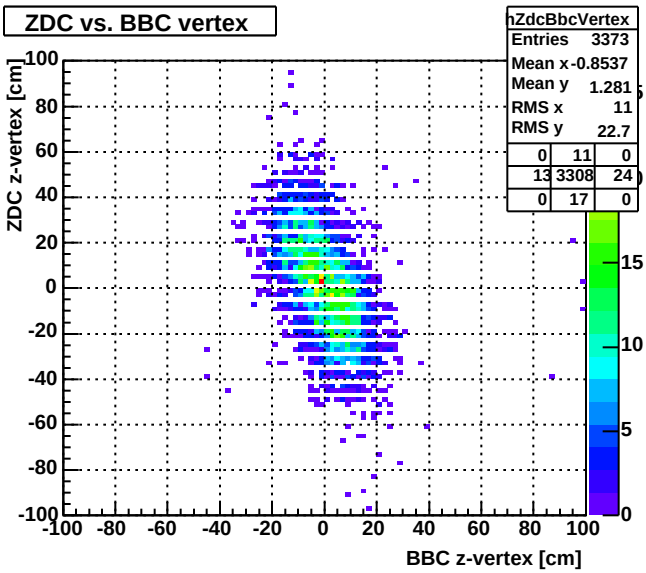

Tower Id1 3201-4800
hTowerId1c
Entries 1075
Mean 4085
RMS 479.9
Underflow 0
Overflow 0
softId

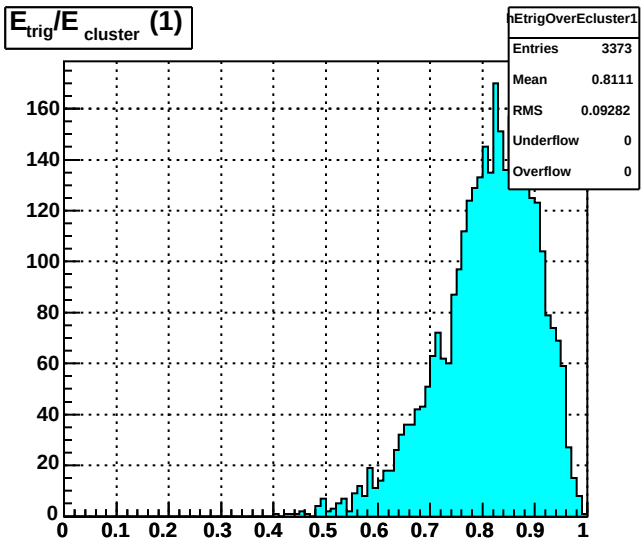

Tower Id2 3201-4800
hTowerId2c
Entries 1162
Mean 4009
RMS 465.6
Underflow 0
Overflow 0
softId

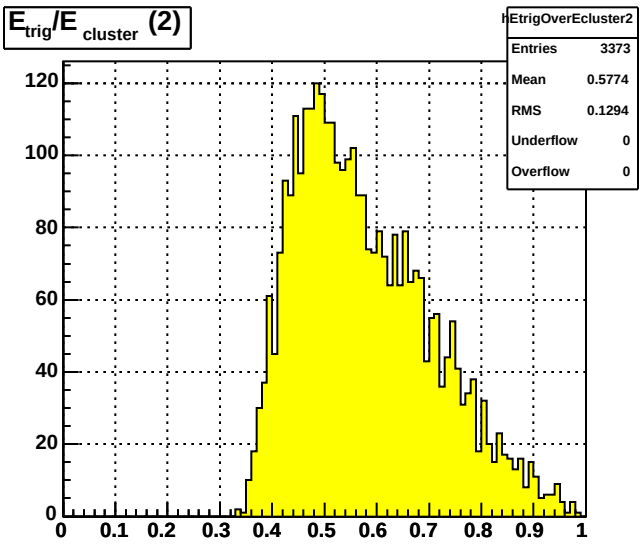

VPD vertex
hVpdVertex
Entries 3373
Mean -14.07
RMS 18.57
Underflow 0
Overflow 0
χ² / ndf 327.5 / 46
Constant 141.5 ± 2.9
Mean -15.29 ± 0.35
Sigma 17.63 ± 0.21
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3373
Mean -0.8112
RMS 11.03
Underflow 13
Overflow 24
χ² / ndf 42.71 / 39
Constant 254 ± 5.4
Mean 0.07397 ± 0.18121
Sigma 10.35 ± 0.12
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3373
Mean x -14.05
Mean y 1.279
RMS x 18.36
RMS y 22.7
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3373
Mean x -0.8537
Mean y 1.281
RMS x 11
RMS y 22.7
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3373
Mean 0.8111
RMS 0.09282
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3373
Mean 0.5774
RMS 0.1294
Underflow 0
Overflow 0