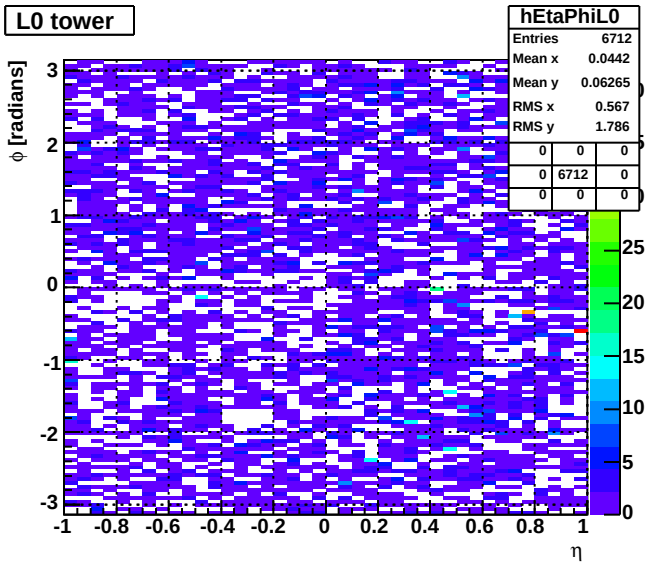
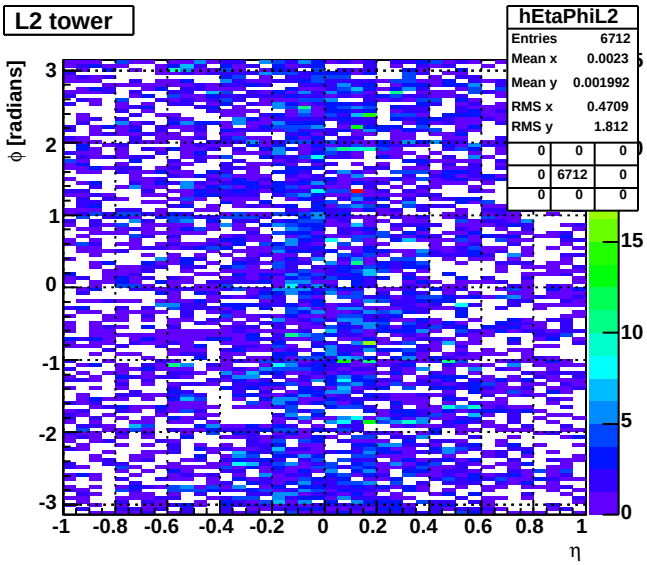
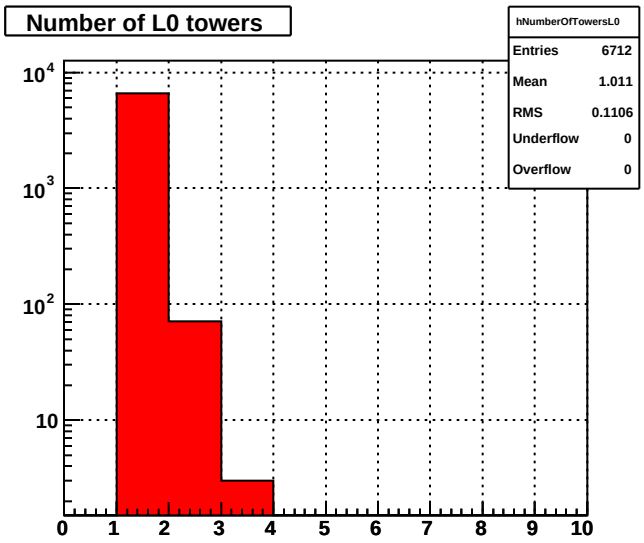
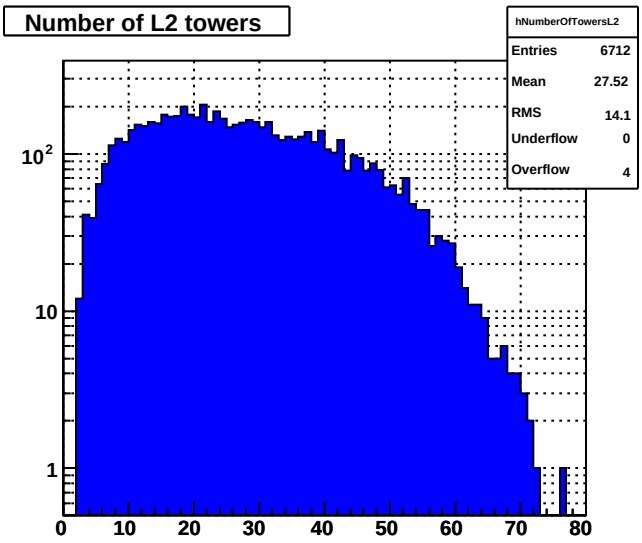
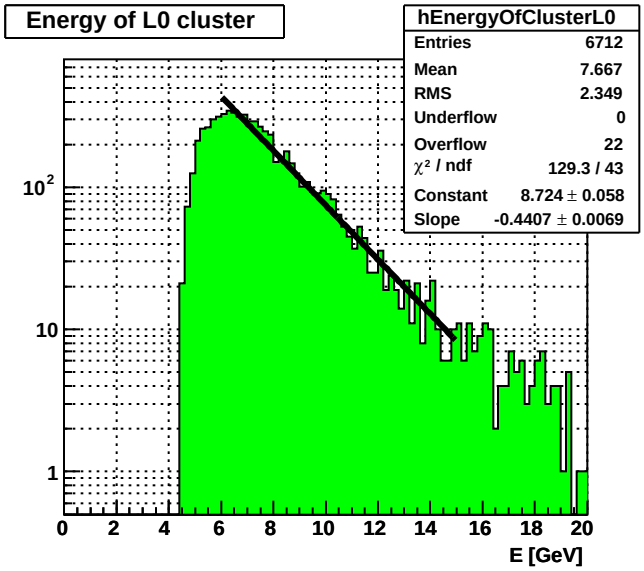
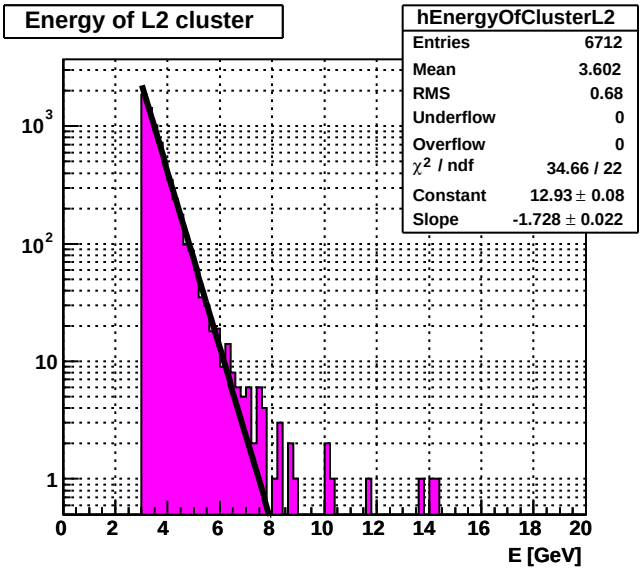

L0 tower
hEtaPhiL0
Entries 6712
Mean x 0.0442
Mean y 0.06265
RMS x 0.567
RMS y 1.786
φ [radians]
η

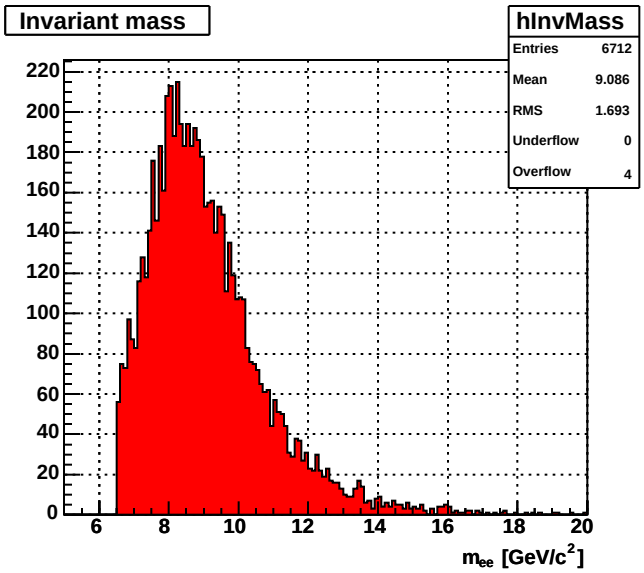

L2 tower
hEtaPhiL2
Entries 6712
Mean x 0.0023
Mean y 0.001992
RMS x 0.4709
RMS y 1.812
φ [radians]
η

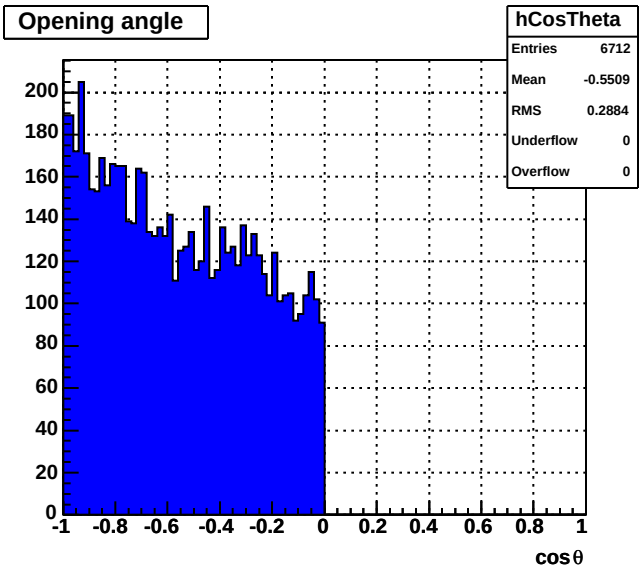

Number of L0 towers
hNumberOfTowersL0
Entries 6712
Mean 1.011
RMS 0.1106
Underflow 0
Overflow 0

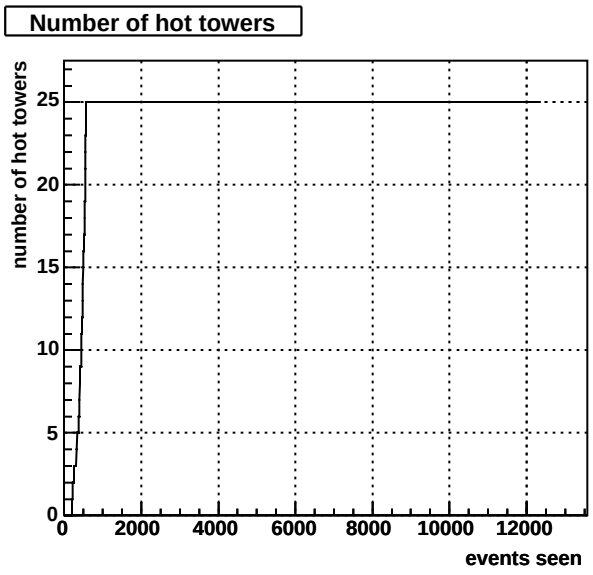

Number of L2 towers
hNumberOfTowersL2
Entries 6712
Mean 27.52
RMS 14.1
Underflow 0
Overflow 4

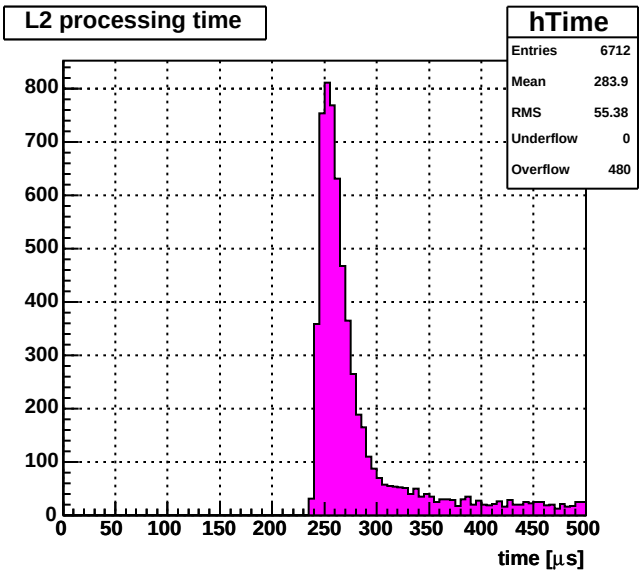

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6712
Mean 7.667
RMS 2.349
Underflow 0
Overflow 22
χ² / ndf 129.3 / 43
Constant 8.724 ± 0.058
Slope -0.4407 ± 0.0069
E [GeV]

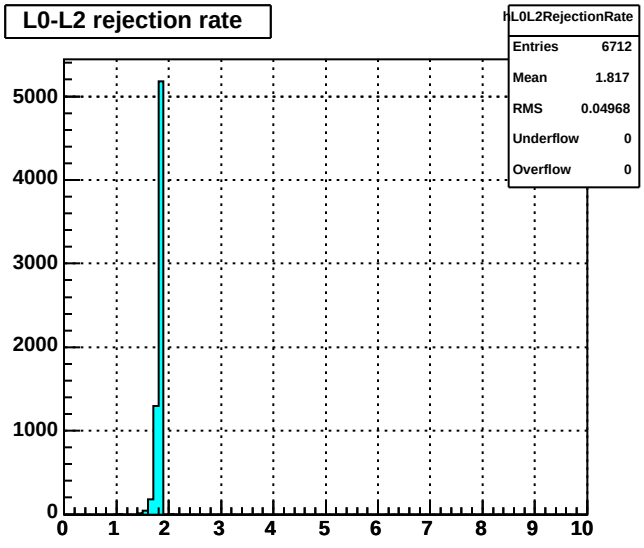

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6712
Mean 3.602
RMS 0.68
Underflow 0
Overflow 0
χ² / ndf 34.66 / 22
Constant 12.93 ± 0.08
Slope -1.728 ± 0.022
E [GeV]

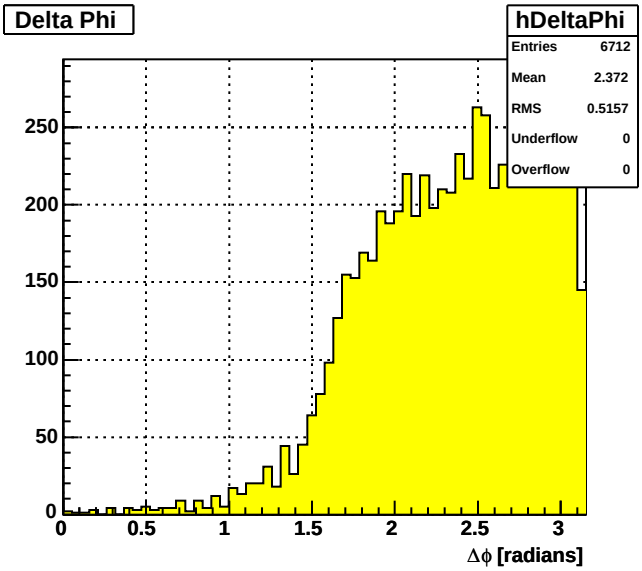

Invariant mass
hInvMass
Entries 6712
Mean 9.086
RMS 1.693
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

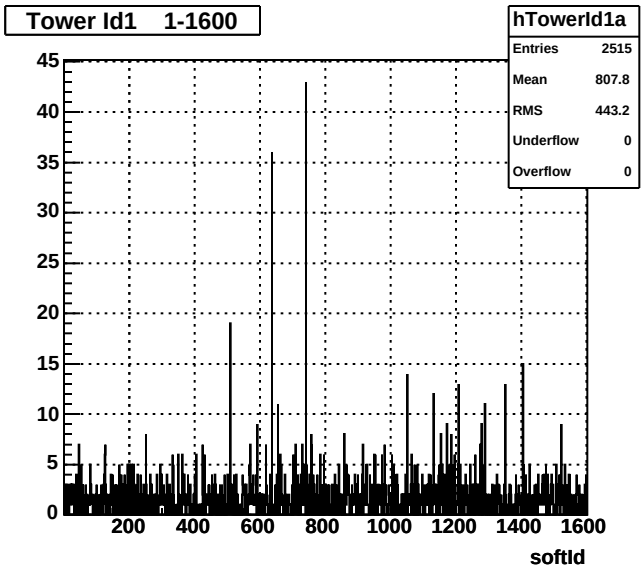

Opening angle
hCosTheta
Entries 6712
Mean -0.5509
RMS 0.2884
Underflow 0
Overflow 0
cos θ

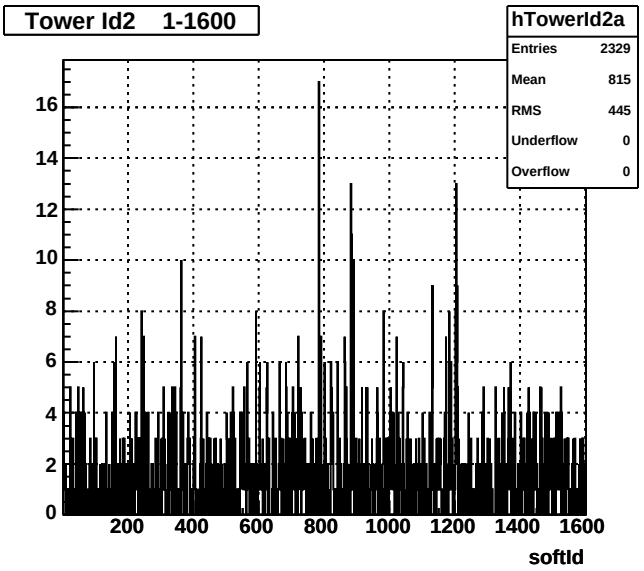

Number of hot towers
number of hot towers
events seen

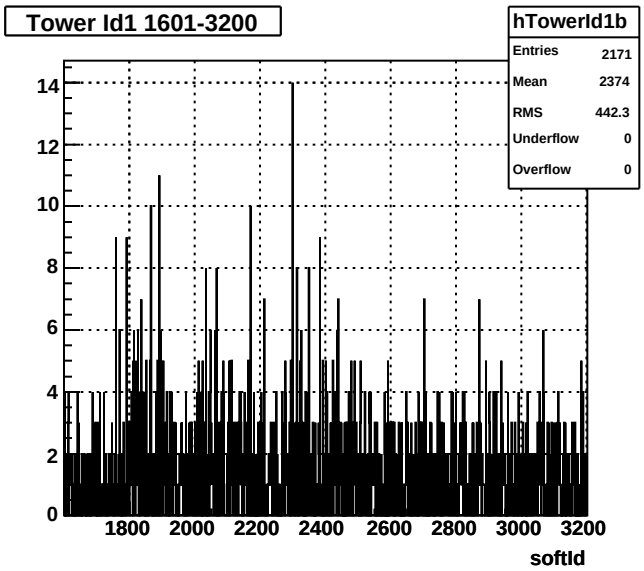

L2 processing time
hTime
Entries 6712
Mean 283.9
RMS 55.38
Underflow 0
Overflow 480
time [μs]

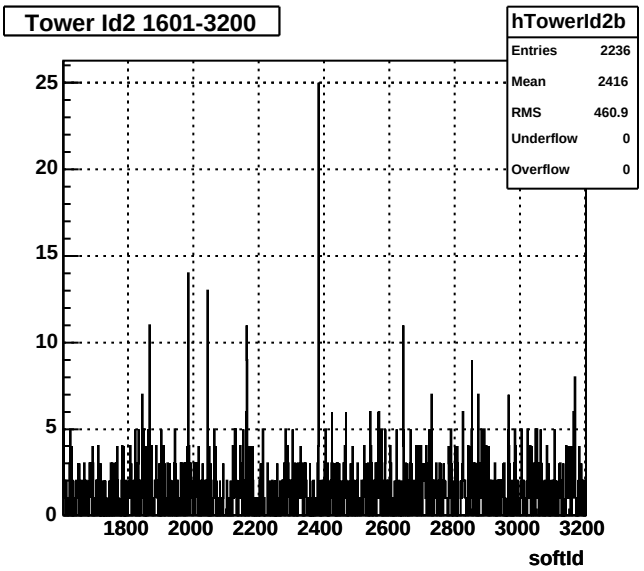

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6712
Mean 1.817
RMS 0.04968
Underflow 0
Overflow 0

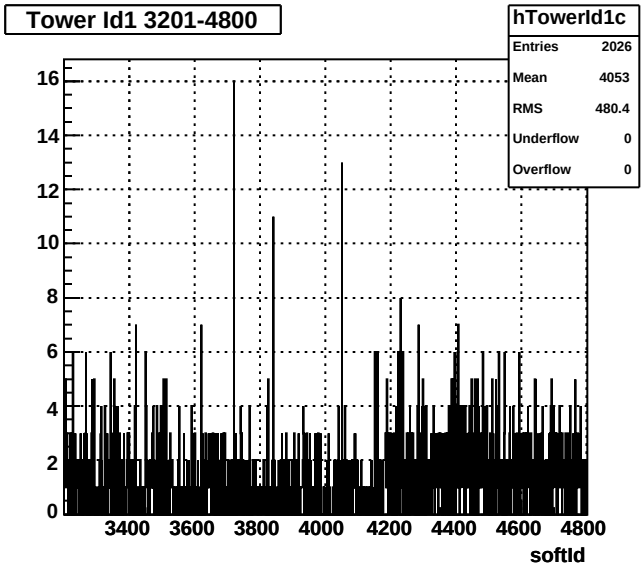

Delta Phi
hDeltaPhi
Entries 6712
Mean 2.372
RMS 0.5157
Underflow 0
Overflow 0
Δφ [radians]

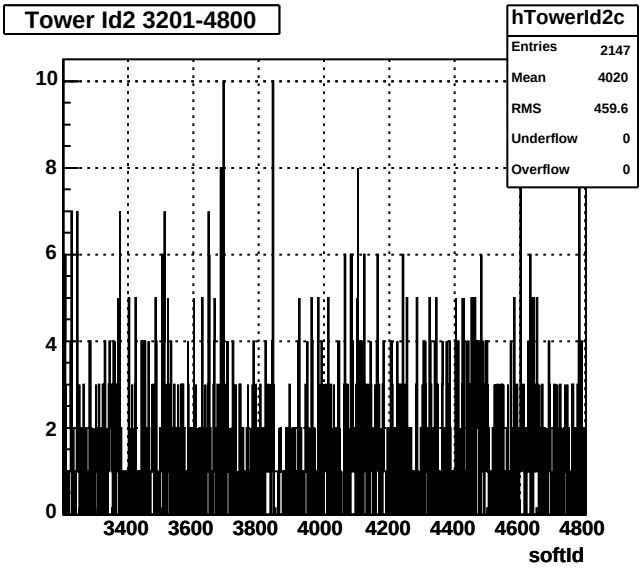

Tower Id1 1-1600
hTowerId1a
Entries 2515
Mean 807.8
RMS 443.2
Underflow 0
Overflow 0
softId

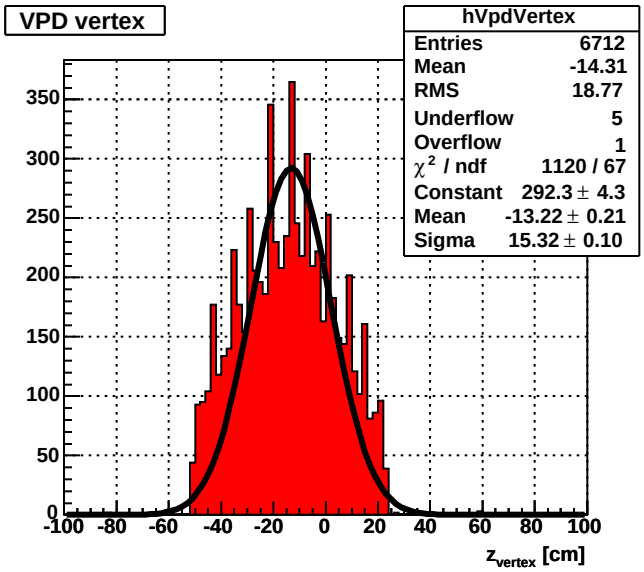

Tower Id2 1-1600
hTowerId2a
Entries 2329
Mean 815
RMS 445
Underflow 0
Overflow 0
softId

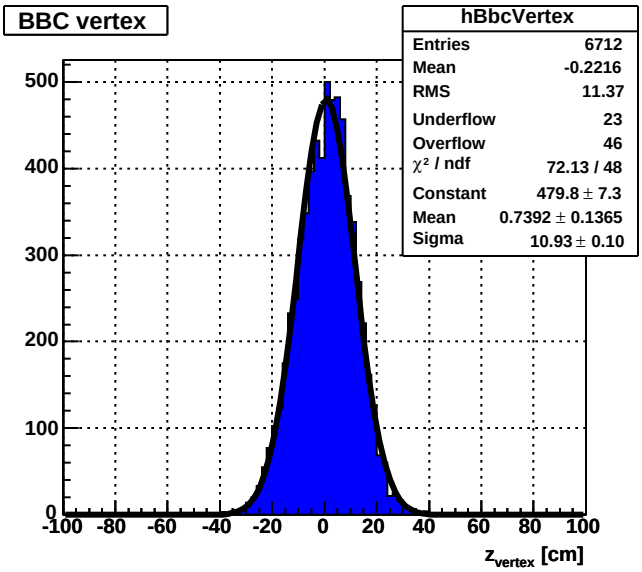

Tower Id1 1601-3200
hTowerId1b
Entries 2171
Mean 2374
RMS 442.3
Underflow 0
Overflow 0
softId

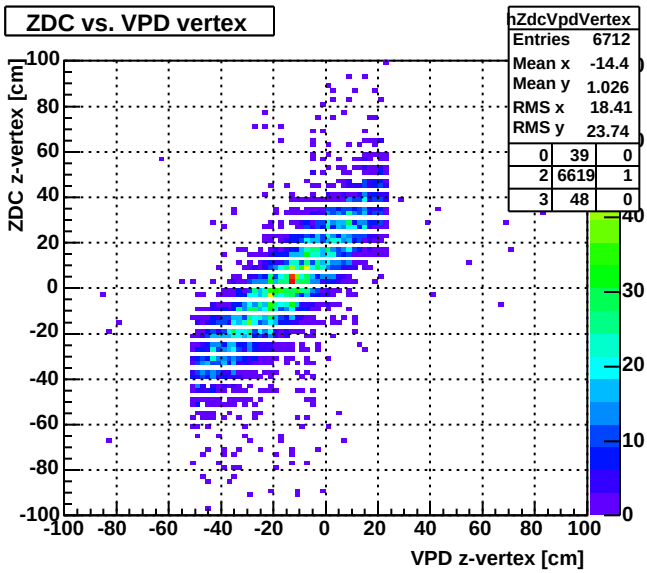

Tower Id2 1601-3200
hTowerId2b
Entries 2236
Mean 2416
RMS 460.9
Underflow 0
Overflow 0
softId

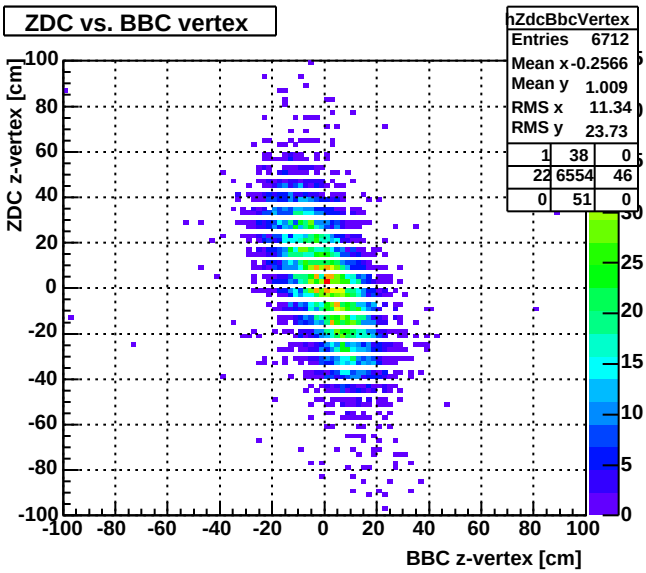

Tower Id1 3201-4800
hTowerId1c
Entries 2026
Mean 4053
RMS 480.4
Underflow 0
Overflow 0
softId

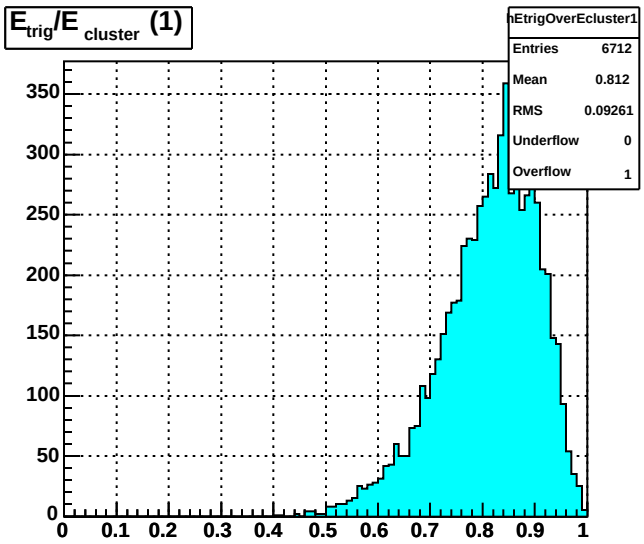

Tower Id2 3201-4800
hTowerId2c
Entries 2147
Mean 4020
RMS 459.6
Underflow 0
Overflow 0
softId

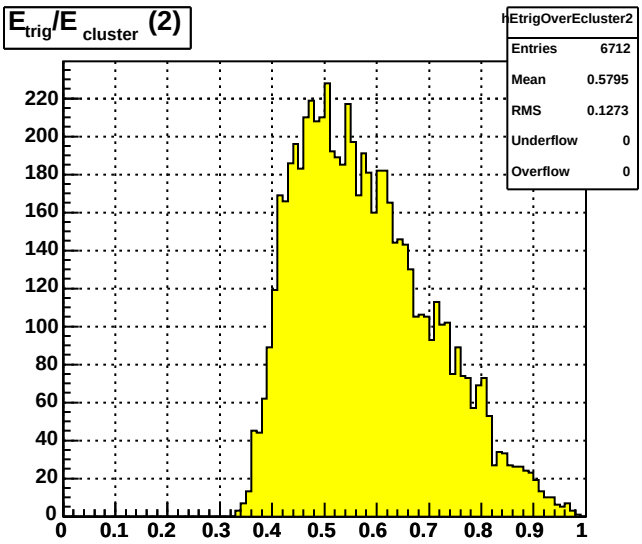

VPD vertex
hVpdVertex
Entries 6712
Mean -14.31
RMS 18.77
Underflow 5
Overflow 1
χ² / ndf 1120 / 67
Constant 292.3 ± 4.3
Mean -13.22 ± 0.21
Sigma 15.32 ± 0.10
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6712
Mean -0.2216
RMS 11.37
Underflow 23
Overflow 46
χ² / ndf 72.13 / 48
Constant 479.8 ± 7.3
Mean 0.7392 ± 0.1365
Sigma 10.93 ± 0.10
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6712
Mean x -14.4
Mean y 1.026
RMS x 18.41
RMS y 23.74
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6712
Mean x -0.2566
Mean y 1.009
RMS x 11.34
RMS y 23.73
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6712
Mean 0.812
RMS 0.09261
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6712
Mean 0.5795
RMS 0.1273
Underflow 0
Overflow 0