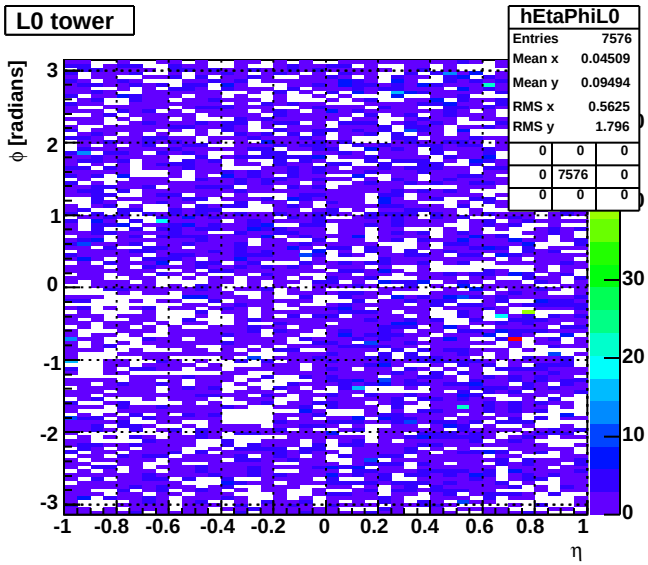
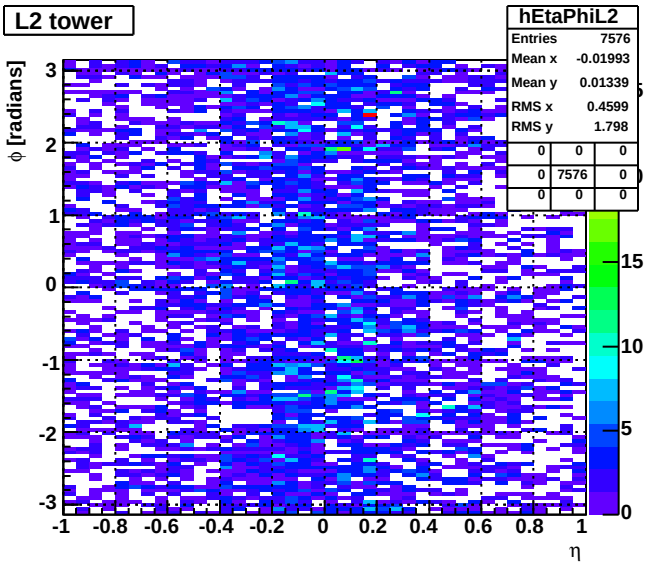
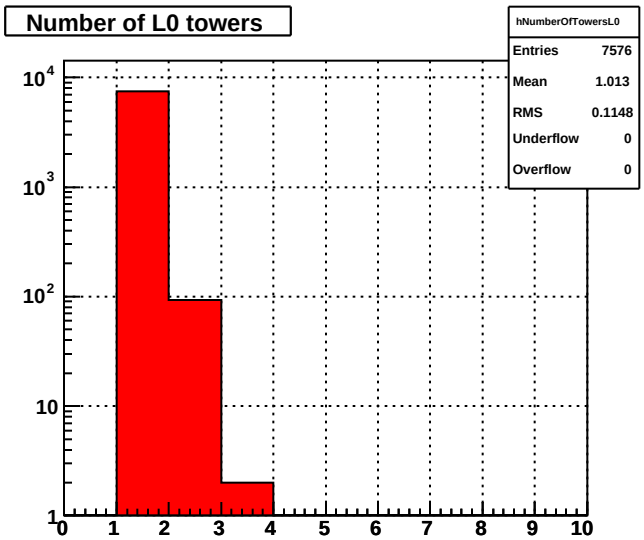
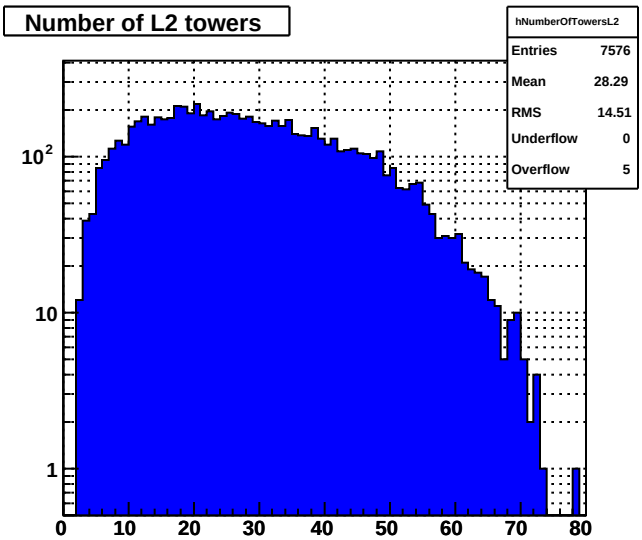
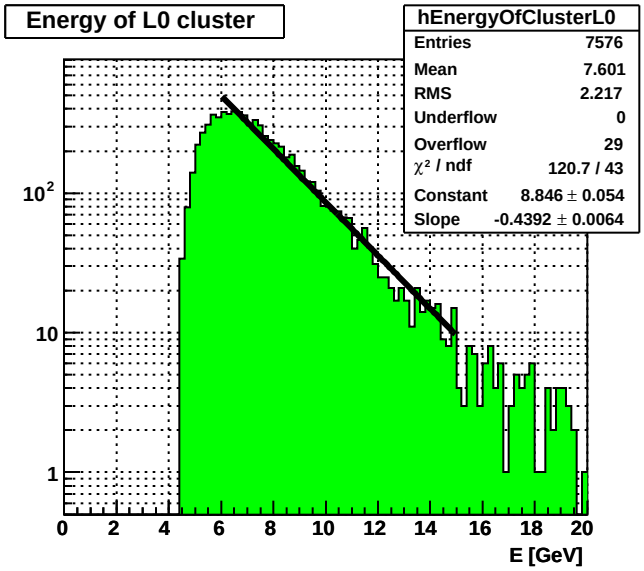
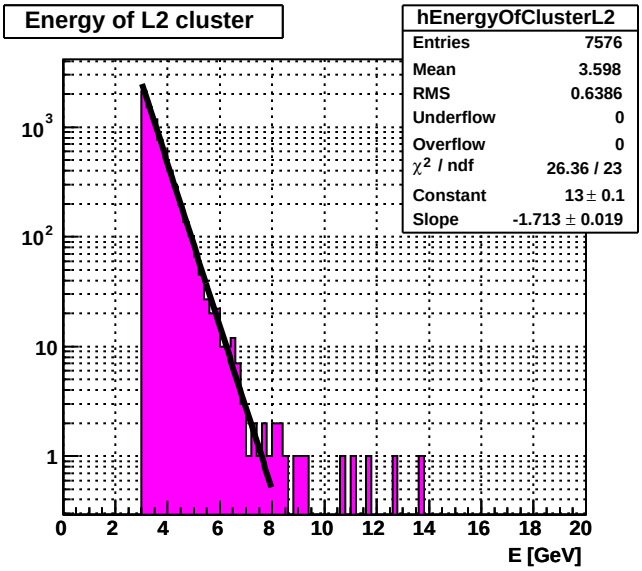

L0 tower
hEtaPhiL0
Entries 7576
Mean x 0.04509
Mean y 0.09494
RMS x 0.5625
RMS y 1.796
φ [radians]
η

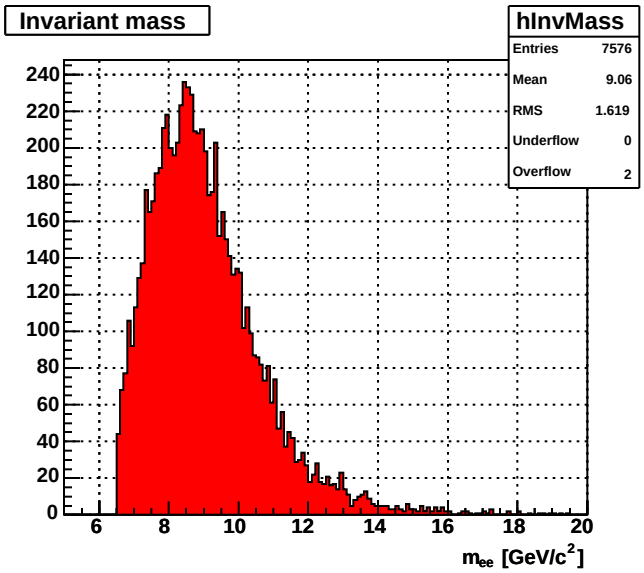

L2 tower
hEtaPhiL2
Entries 7576
Mean x -0.01993
Mean y 0.01339
RMS x 0.4599
RMS y 1.798
φ [radians]
η

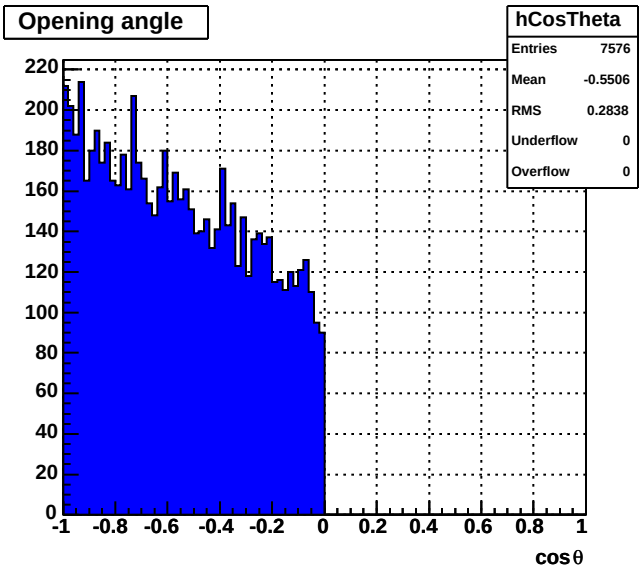

Number of L0 towers
hNumberOfTowersL0
Entries 7576
Mean 1.013
RMS 0.1148
Underflow 0
Overflow 0

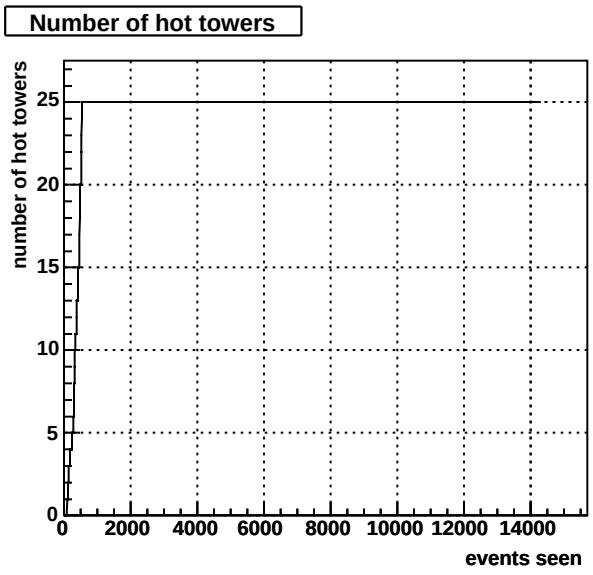

Number of L2 towers
hNumberOfTowersL2
Entries 7576
Mean 28.29
RMS 14.51
Underflow 0
Overflow 5

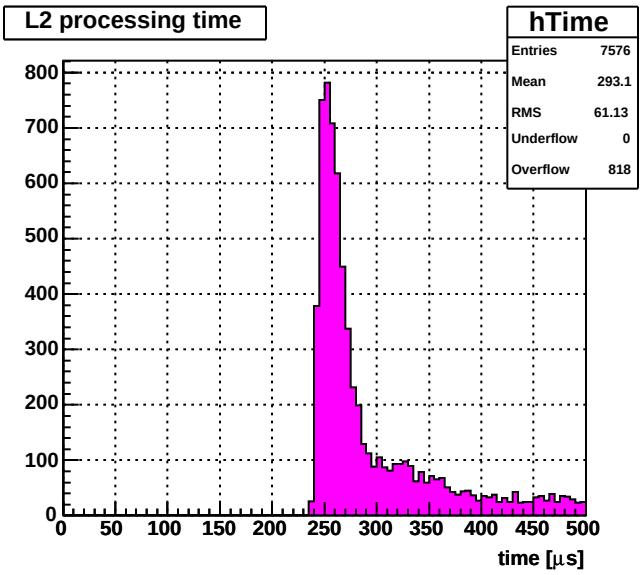

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7576
Mean 7.601
RMS 2.217
Underflow 0
Overflow 29
χ² / ndf 120.7 / 43
Constant 8.846 ± 0.054
Slope -0.4392 ± 0.0064
E [GeV]

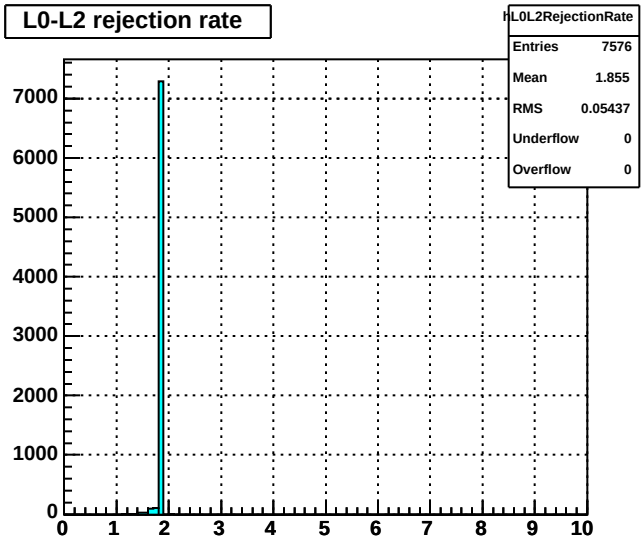

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7576
Mean 3.598
RMS 0.6386
Underflow 0
Overflow 0
χ² / ndf 26.36 / 23
Constant 13 ± 0.1
Slope -1.713 ± 0.019
E [GeV]

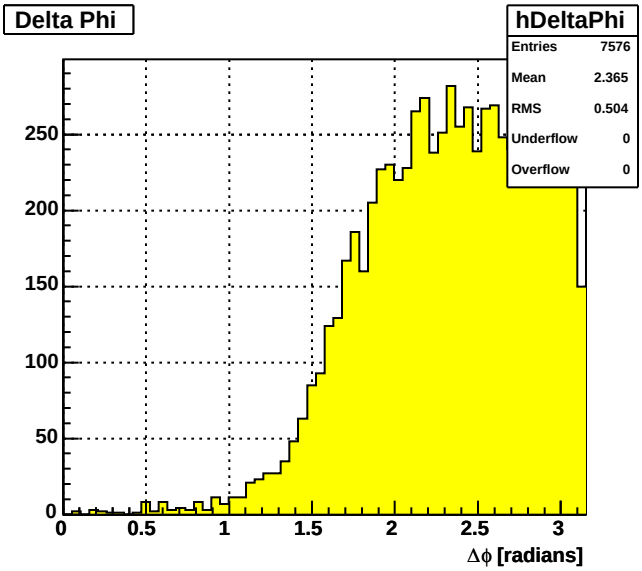

Invariant mass
hInvMass
Entries 7576
Mean 9.06
RMS 1.619
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

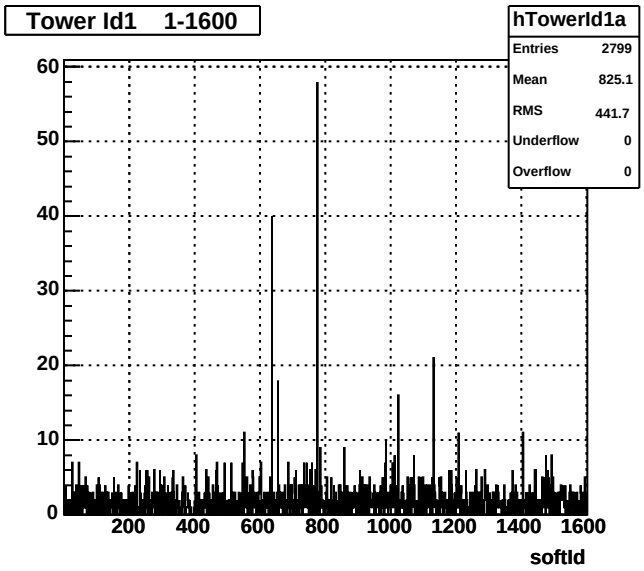

Opening angle
hCosTheta
Entries 7576
Mean -0.5506
RMS 0.2838
Underflow 0
Overflow 0
cos θ

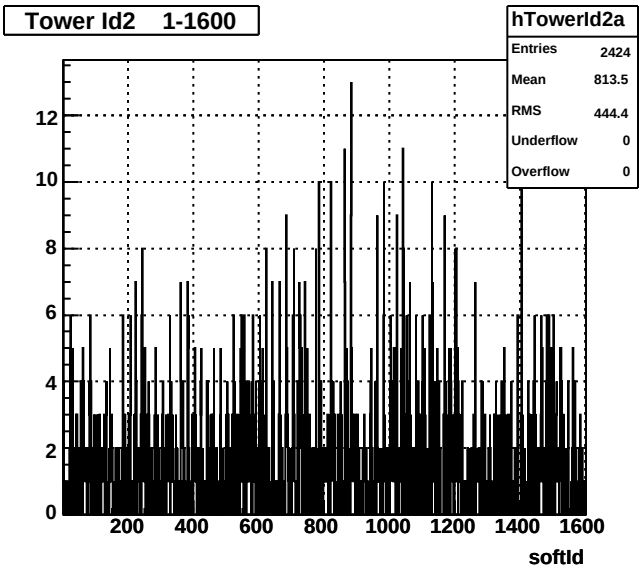

Number of hot towers
number of hot towers
events seen

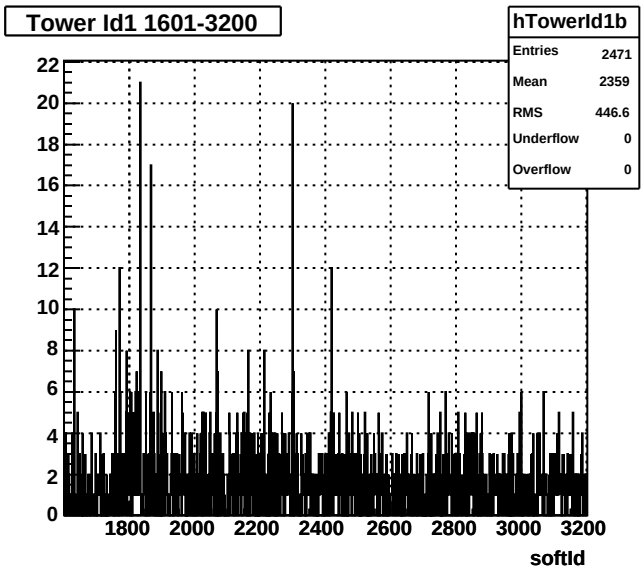

L2 processing time
hTime
Entries 7576
Mean 293.1
RMS 61.13
Underflow 0
Overflow 818
time [μs]

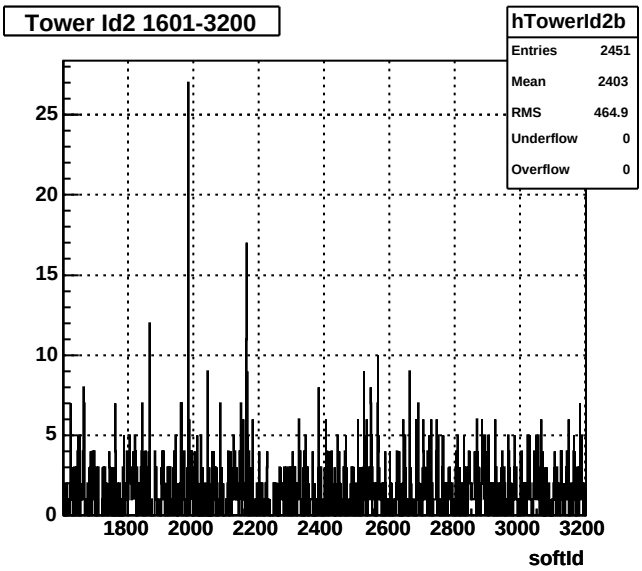

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7576
Mean 1.855
RMS 0.05437
Underflow 0
Overflow 0

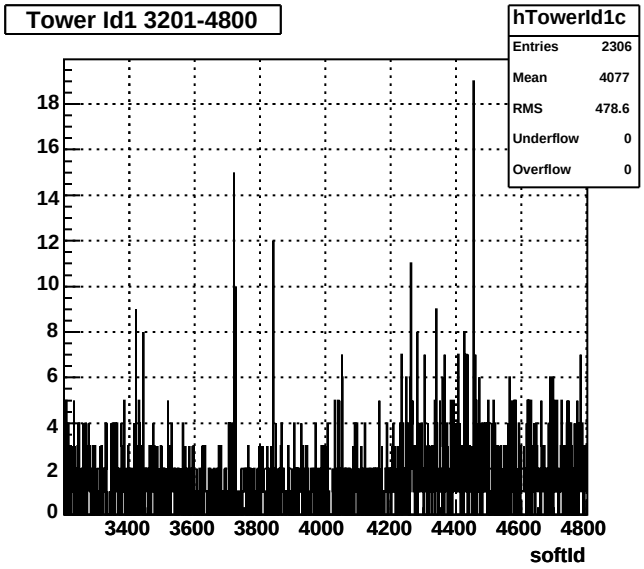

Delta Phi
hDeltaPhi
Entries 7576
Mean 2.365
RMS 0.504
Underflow 0
Overflow 0
Δϕ [radians]

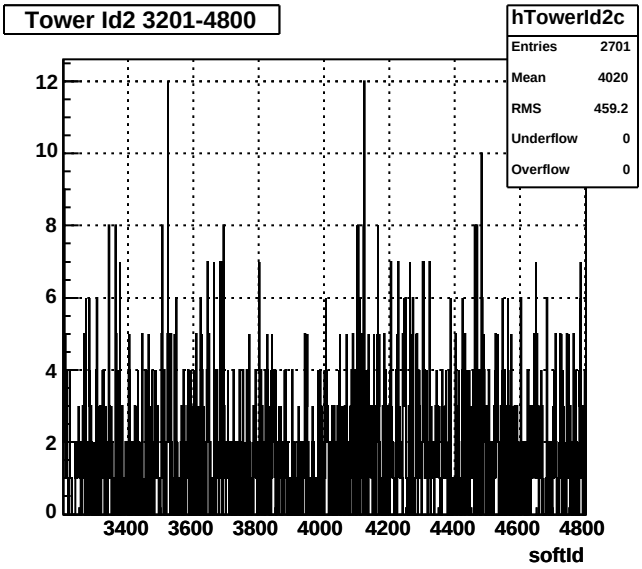

Tower Id1 1-1600
hTowerId1a
Entries 2799
Mean 825.1
RMS 441.7
Underflow 0
Overflow 0
softId

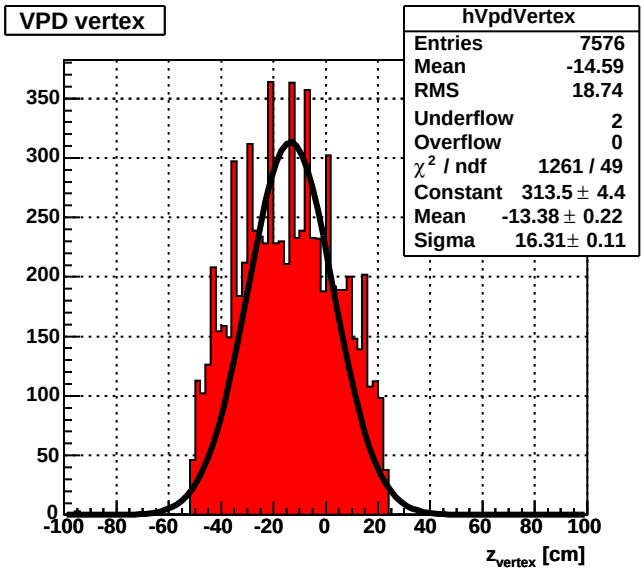

Tower Id2 1-1600
hTowerId2a
Entries 2424
Mean 813.5
RMS 444.4
Underflow 0
Overflow 0
softId

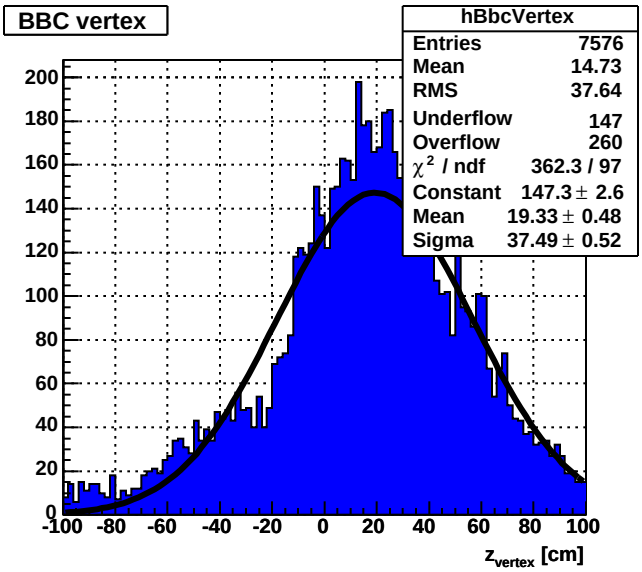

Tower Id1 1601-3200
hTowerId1b
Entries 2471
Mean 2359
RMS 446.6
Underflow 0
Overflow 0
softId

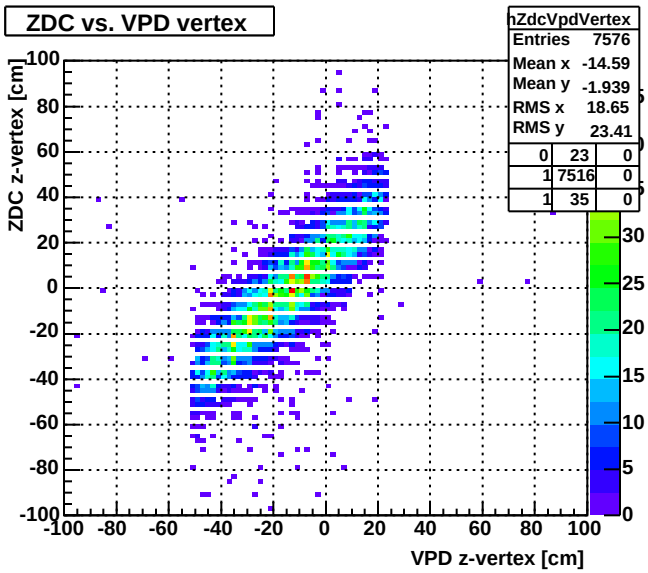

Tower Id2 1601-3200
hTowerId2b
Entries 2451
Mean 2403
RMS 464.9
Underflow 0
Overflow 0
softId

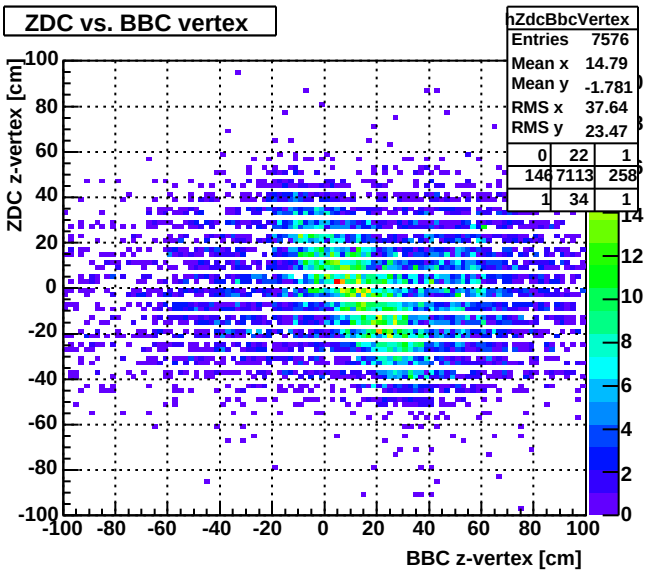

Tower Id1 3201-4800
hTowerId1c
Entries 2306
Mean 4077
RMS 478.6
Underflow 0
Overflow 0
softId

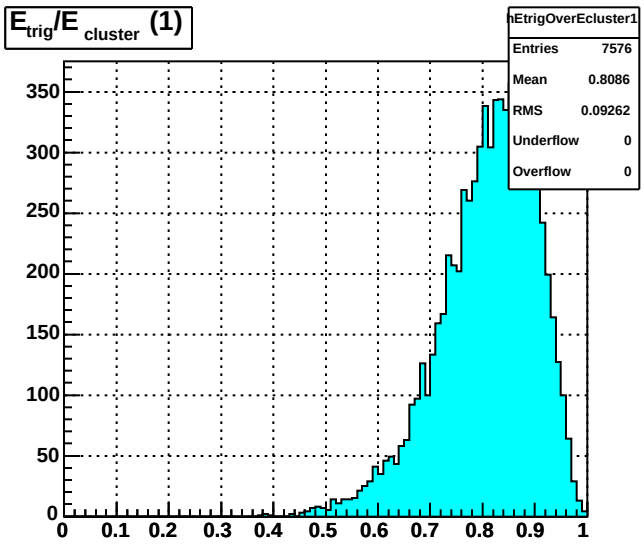

Tower Id2 3201-4800
hTowerId2c
Entries 2701
Mean 4020
RMS 459.2
Underflow 0
Overflow 0
softId

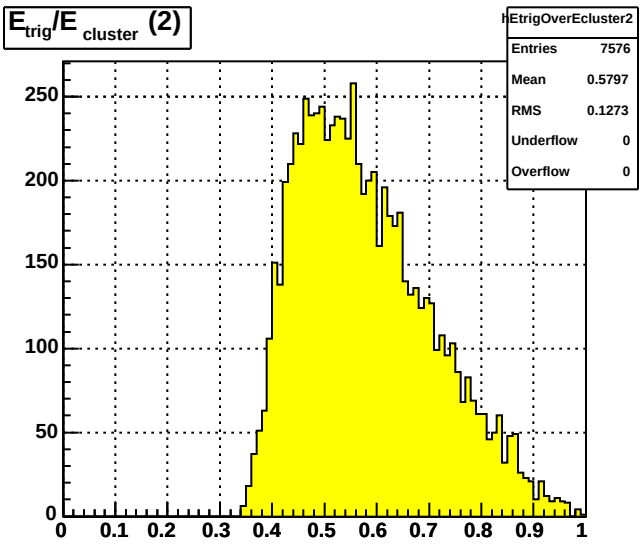

VPD vertex
hVpdVertex
Entries 7576
Mean -14.59
RMS 18.74
Underflow 2
Overflow 0
χ² / ndf 1261 / 49
Constant 313.5 ± 4.4
Mean -13.38 ± 0.22
Sigma 16.31 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7576
Mean 14.73
RMS 37.64
Underflow 147
Overflow 260
χ² / ndf 362.3 / 97
Constant 147.3 ± 2.6
Mean 19.33 ± 0.48
Sigma 37.49 ± 0.52
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7576
Mean x -14.59
Mean y -1.939
RMS x 18.65
RMS y 23.41
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7576
Mean x 14.79
Mean y -1.781
RMS x 37.64
RMS y 23.47
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7576
Mean 0.8086
RMS 0.09262
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7576
Mean 0.5797
RMS 0.1273
Underflow 0
Overflow 0