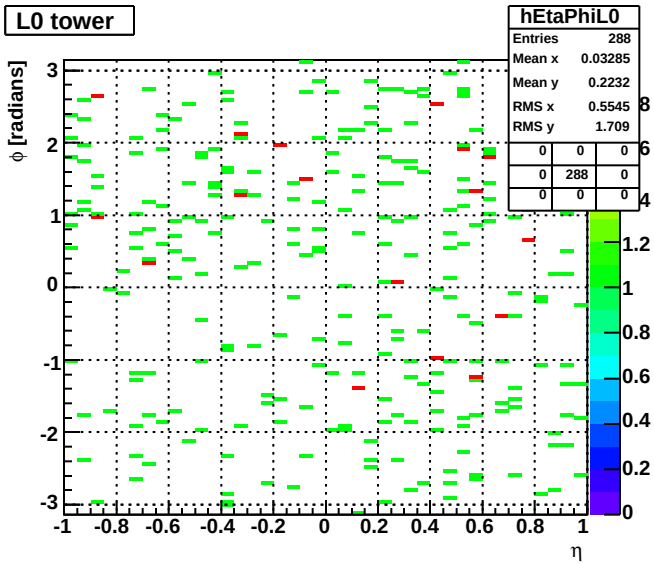
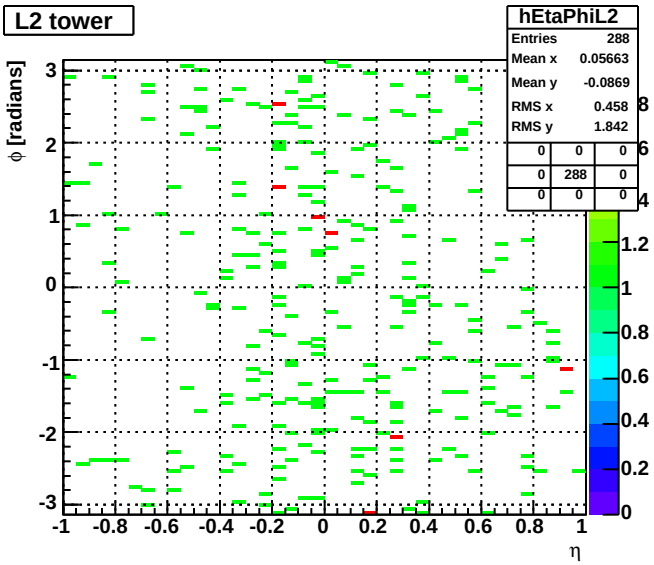
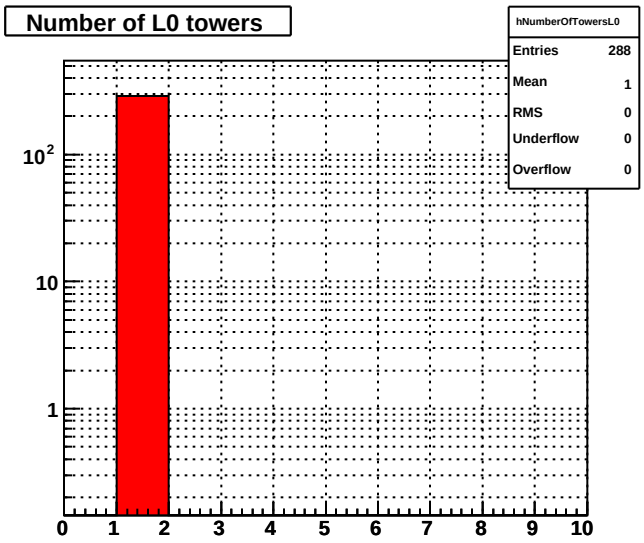
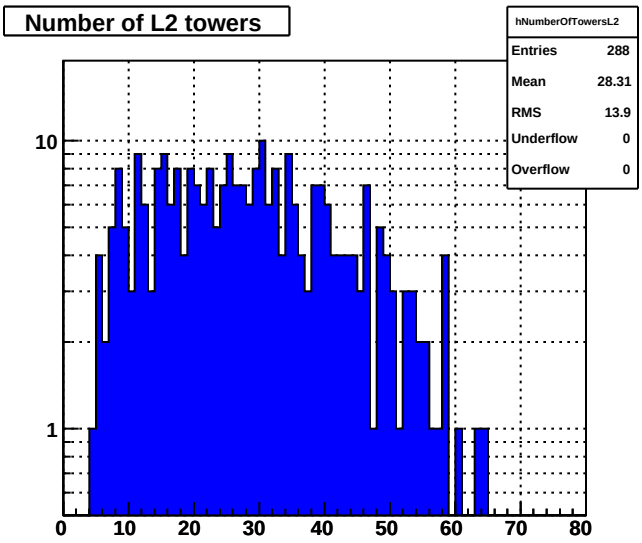
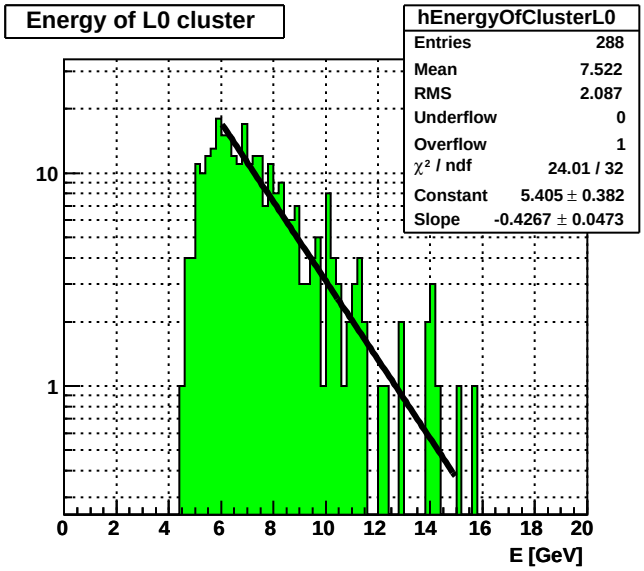
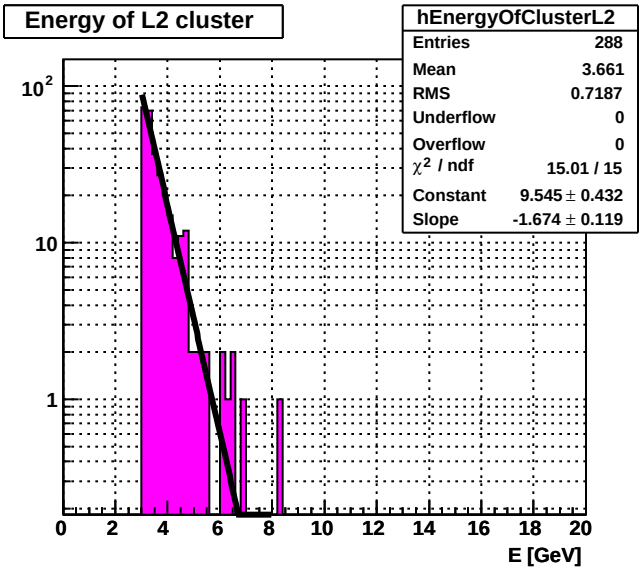

L0 tower
hEtaPhiL0
Entries 288
Mean x 0.03285
Mean y 0.2232
RMS x 0.5545
RMS y 1.709
φ [radians]
η

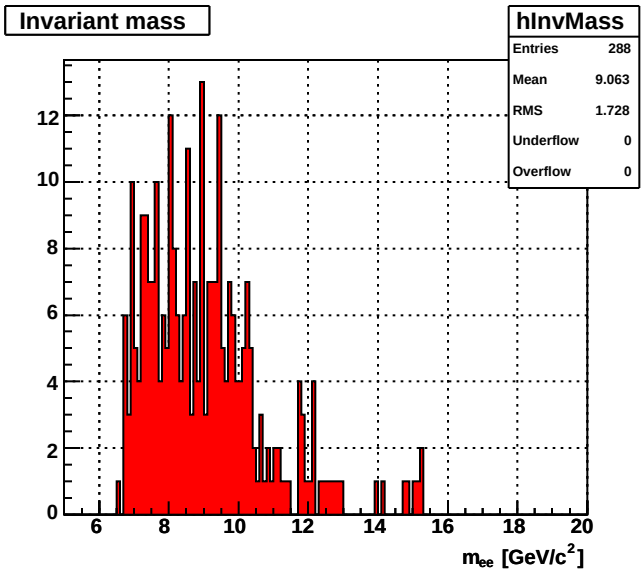

L2 tower
hEtaPhiL2
Entries 288
Mean x 0.05663
Mean y -0.0869
RMS x 0.458
RMS y 1.842
φ [radians]
η

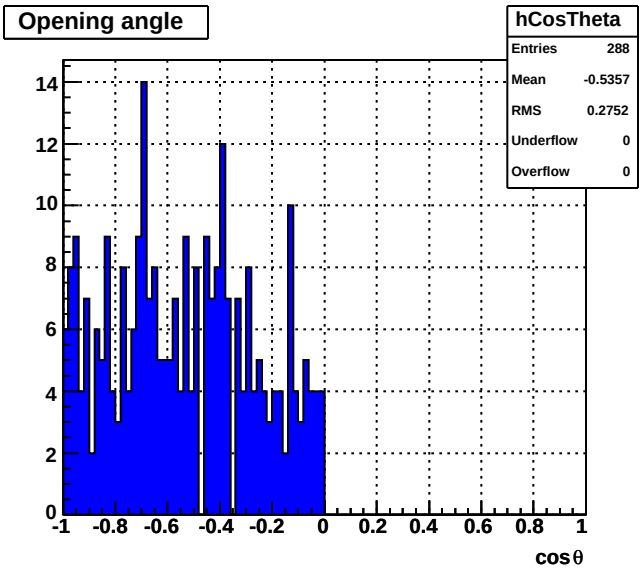

Number of L0 towers
hNumberOfTowersL0
Entries 288
Mean 1
RMS 0
Underflow 0
Overflow 0

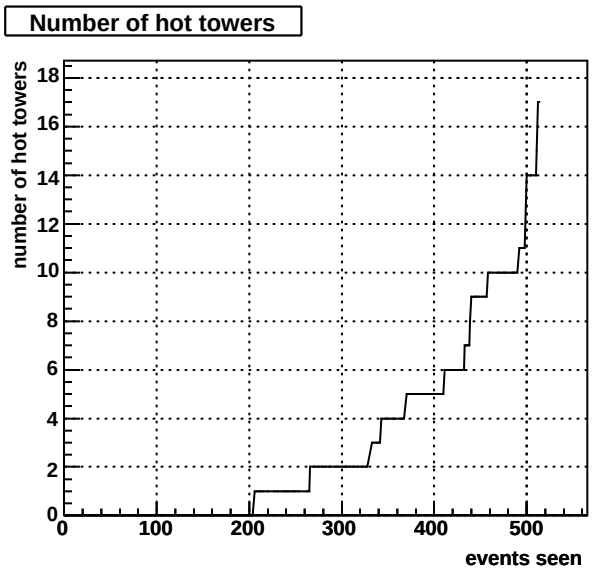

Number of L2 towers
hNumberOfTowersL2
Entries 288
Mean 28.31
RMS 13.9
Underflow 0
Overflow 0

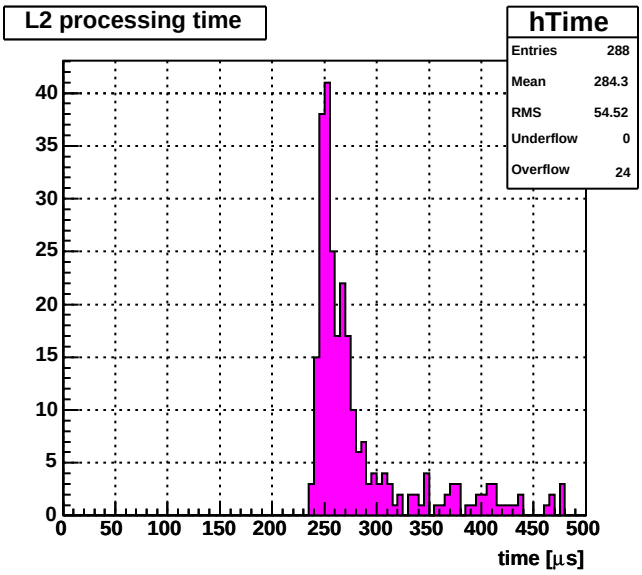

Energy of L0 cluster
hEnergyOfClusterL0
Entries 288
Mean 7.522
RMS 2.087
Underflow 0
Overflow 1
χ² / ndf 24.01 / 32
Constant 5.405 ± 0.382
Slope -0.4267 ± 0.0473
E [GeV]

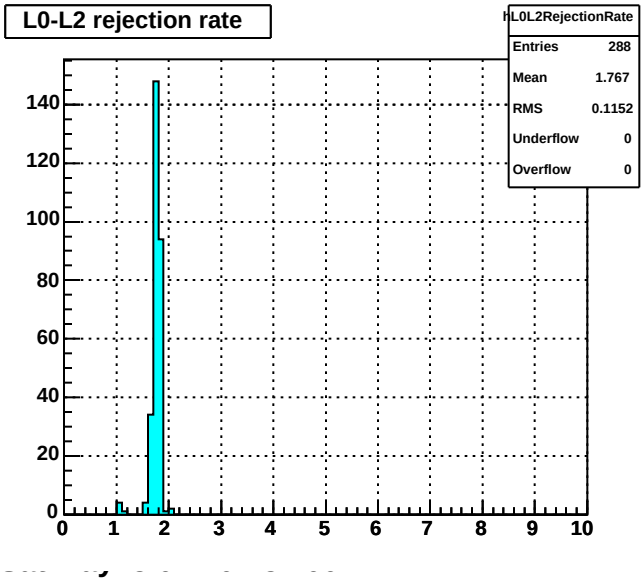

Energy of L2 cluster
hEnergyOfClusterL2
Entries 288
Mean 3.661
RMS 0.7187
Underflow 0
Overflow 0
χ² / ndf 15.01 / 15
Constant 9.545 ± 0.432
Slope -1.674 ± 0.119
E [GeV]

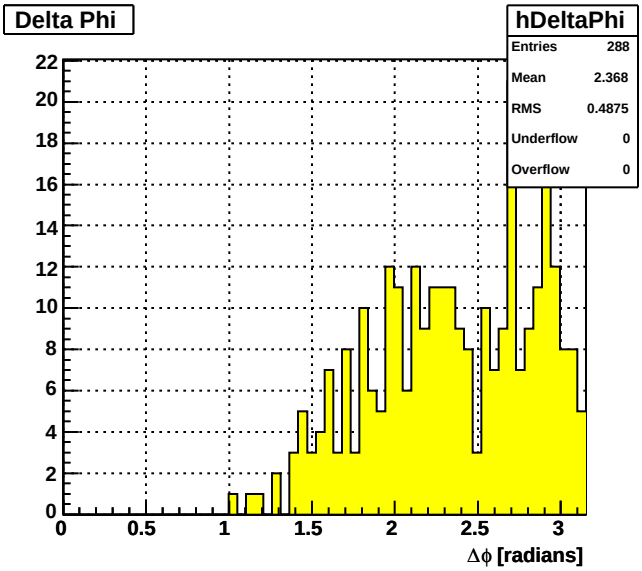

Invariant mass
hInvMass
Entries 288
Mean 9.063
RMS 1.728
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

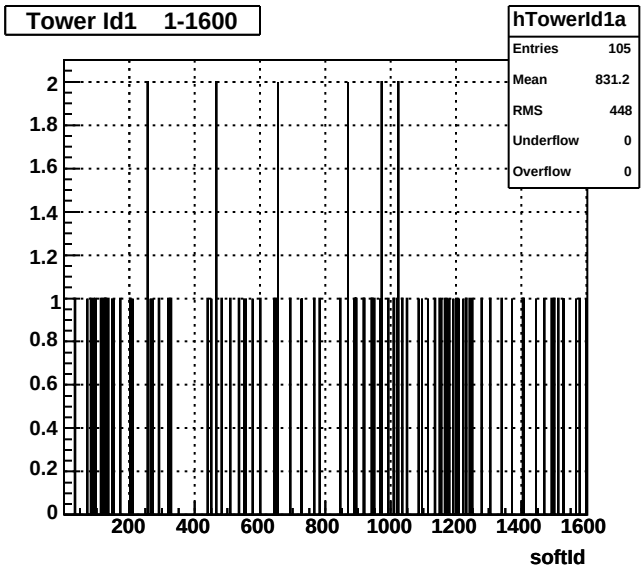

Opening angle
hCosTheta
Entries 288
Mean -0.5357
RMS 0.2752
Underflow 0
Overflow 0
cos θ

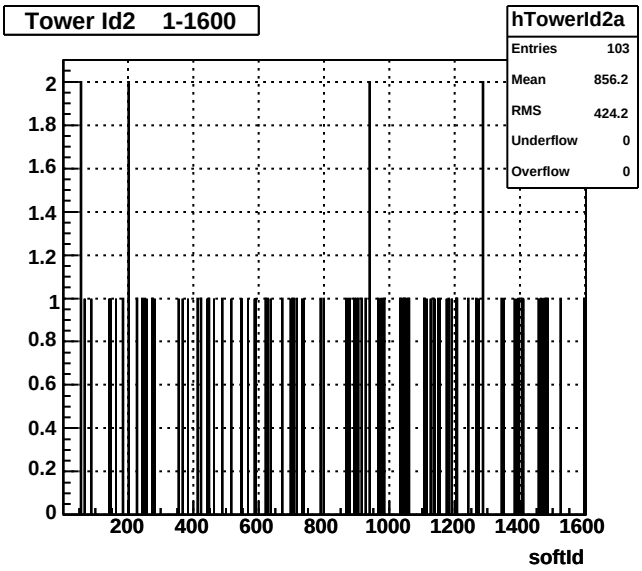

Number of hot towers
number of hot towers
events seen

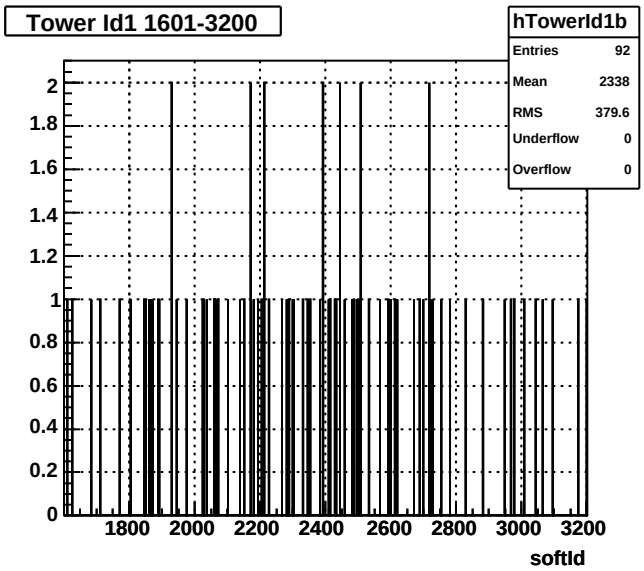

L2 processing time
hTime
Entries 288
Mean 284.3
RMS 54.52
Underflow 0
Overflow 24
time [μs]

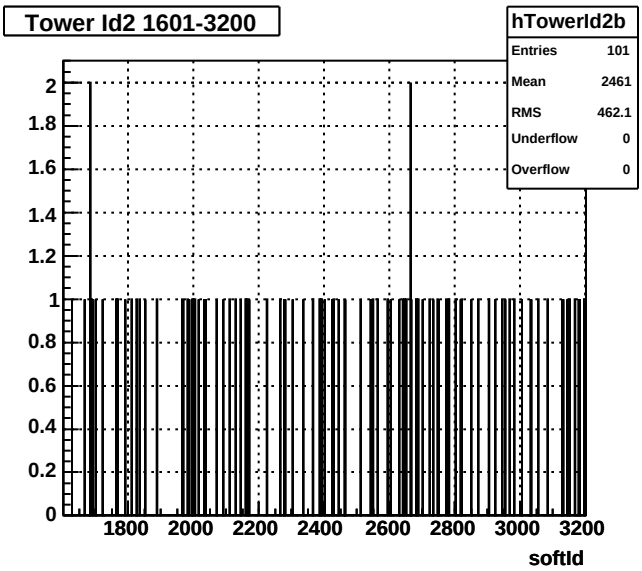

L0-L2 rejection rate
hL0L2RejectionRate
Entries 288
Mean 1.767
RMS 0.1152
Underflow 0
Overflow 0

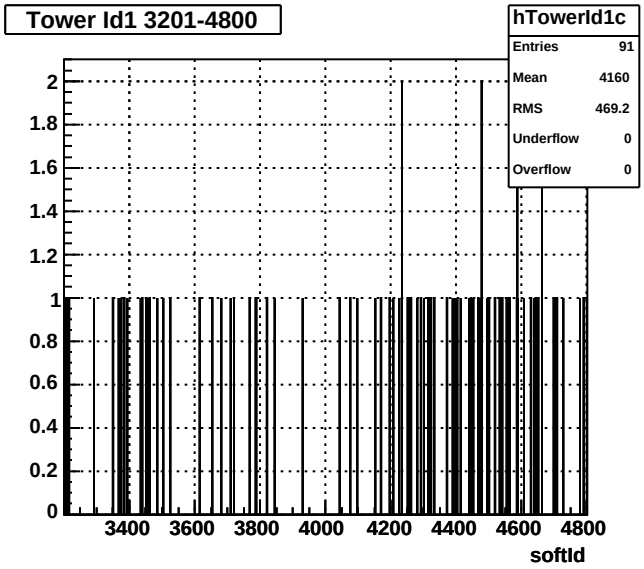

Delta Phi
hDeltaPhi
Entries 288
Mean 2.368
RMS 0.4875
Underflow 0
Overflow 0
Δφ [radians]

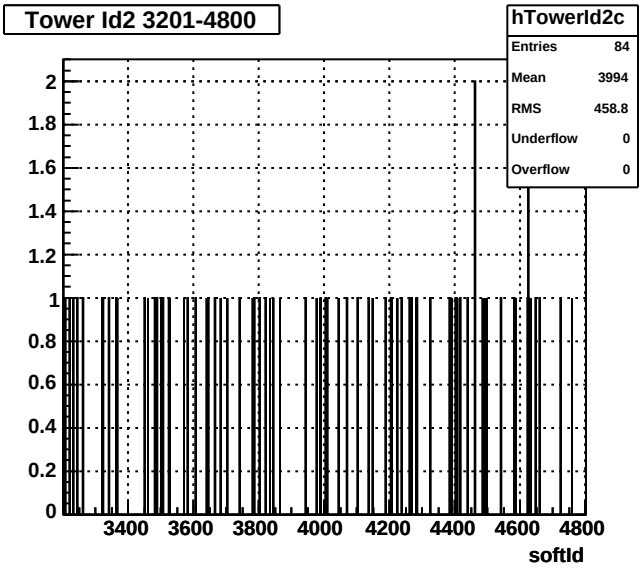

Tower Id1 1-1600
hTowerId1a
Entries 105
Mean 831.2
RMS 448
Underflow 0
Overflow 0
softId

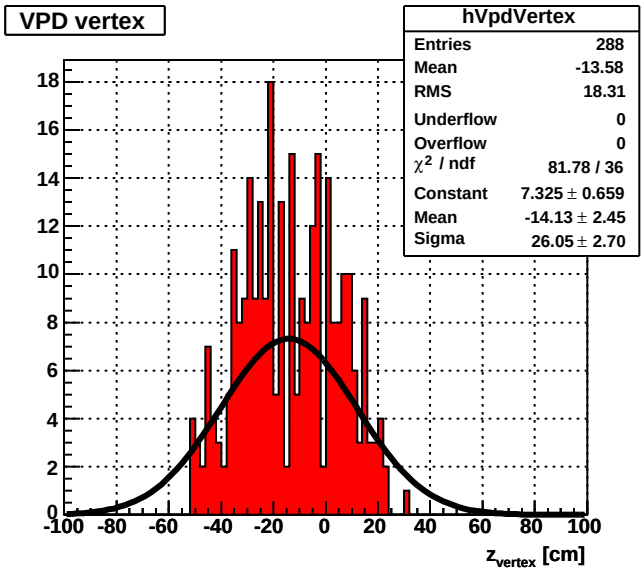

Tower Id2 1-1600
hTowerId2a
Entries 103
Mean 856.2
RMS 424.2
Underflow 0
Overflow 0
softId

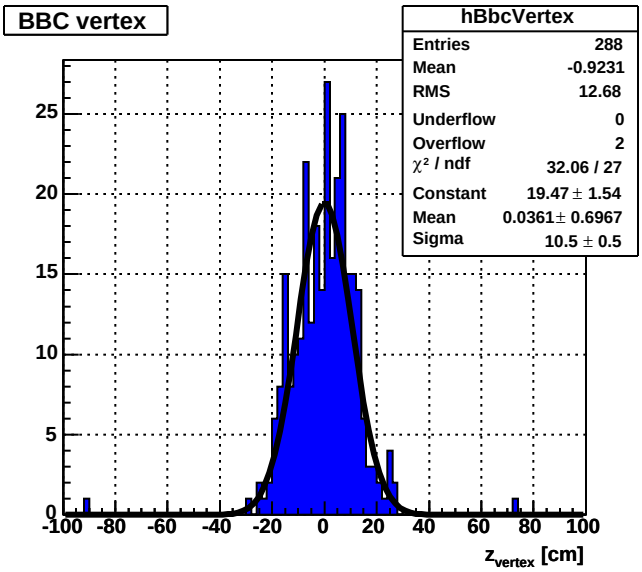

Tower Id1 1601-3200
hTowerId1b
Entries 92
Mean 2338
RMS 379.6
Underflow 0
Overflow 0
softId

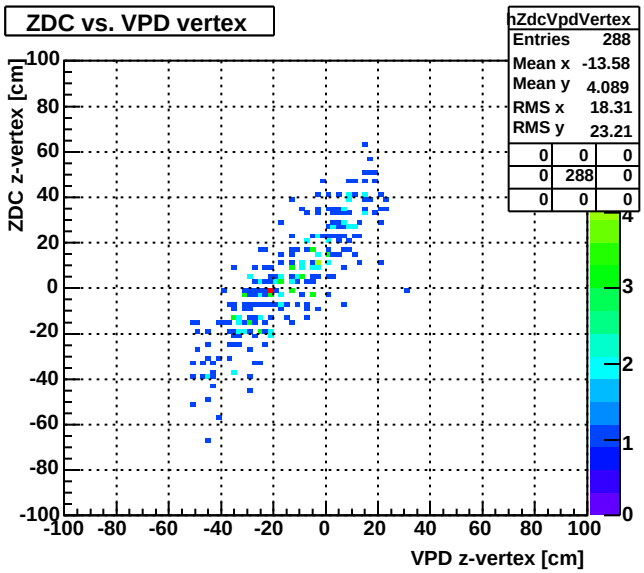

Tower Id2 1601-3200
hTowerId2b
Entries 101
Mean 2461
RMS 462.1
Underflow 0
Overflow 0
softId

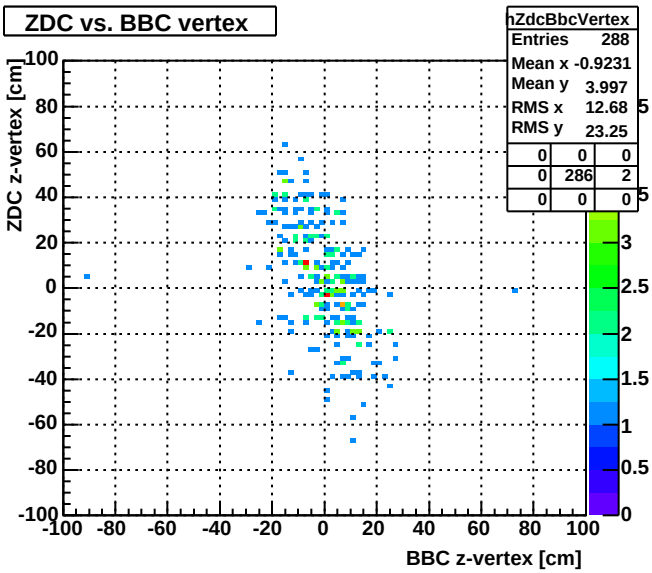

Tower Id1 3201-4800
hTowerId1c
Entries 91
Mean 4160
RMS 469.2
Underflow 0
Overflow 0
softId

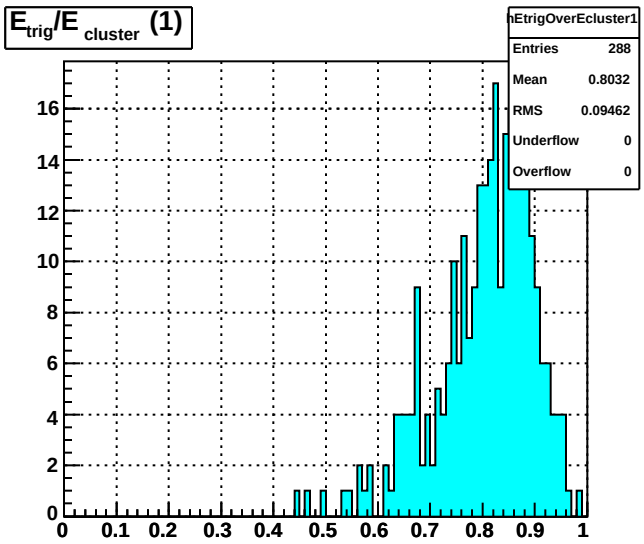

Tower Id2 3201-4800
hTowerId2c
Entries 84
Mean 3994
RMS 458.8
Underflow 0
Overflow 0
softId

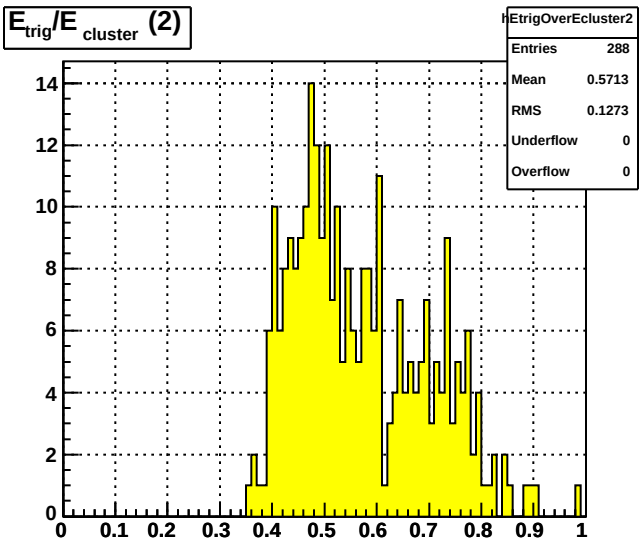

VPD vertex
hVpdVertex
Entries 288
Mean -13.58
RMS 18.31
Underflow 0
Overflow 0
χ² / ndf 81.78 / 36
Constant 7.325 ± 0.659
Mean -14.13 ± 2.45
Sigma 26.05 ± 2.70
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 288
Mean -0.9231
RMS 12.68
Underflow 0
Overflow 2
χ² / ndf 32.06 / 27
Constant 19.47 ± 1.54
Mean 0.0361 ± 0.6967
Sigma 10.5 ± 0.5
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 288
Mean x -13.58
Mean y 4.089
RMS x 18.31
RMS y 23.21
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 288
Mean x -0.9231
Mean y 3.997
RMS x 12.68
RMS y 23.25
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 288
Mean 0.8032
RMS 0.09462
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 288
Mean 0.5713
RMS 0.1273
Underflow 0
Overflow 0