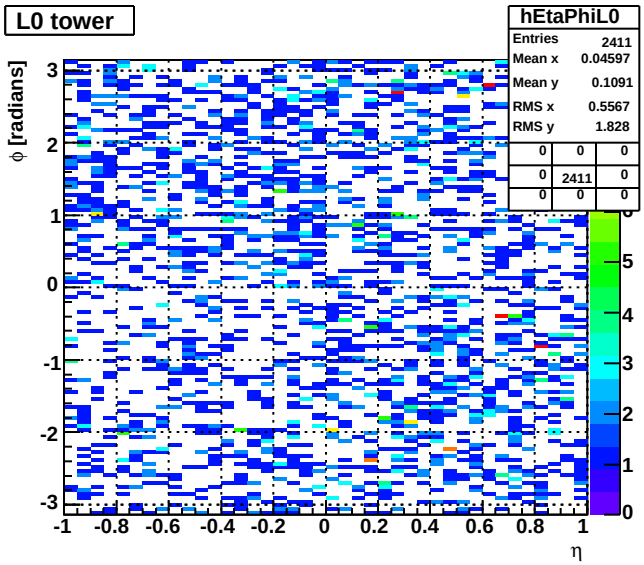
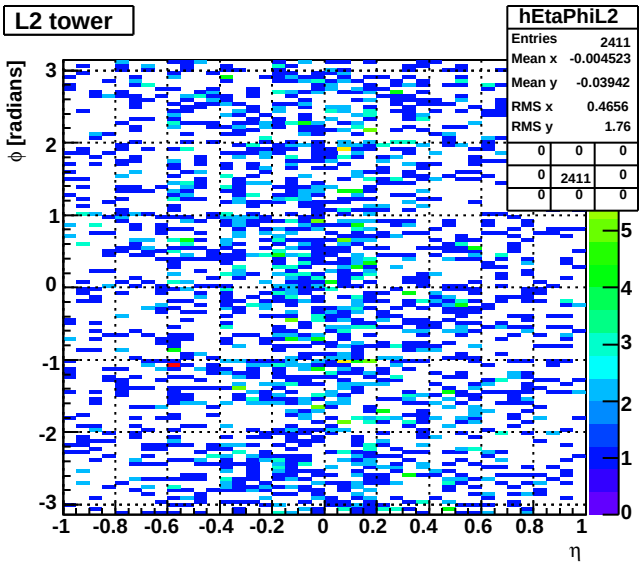
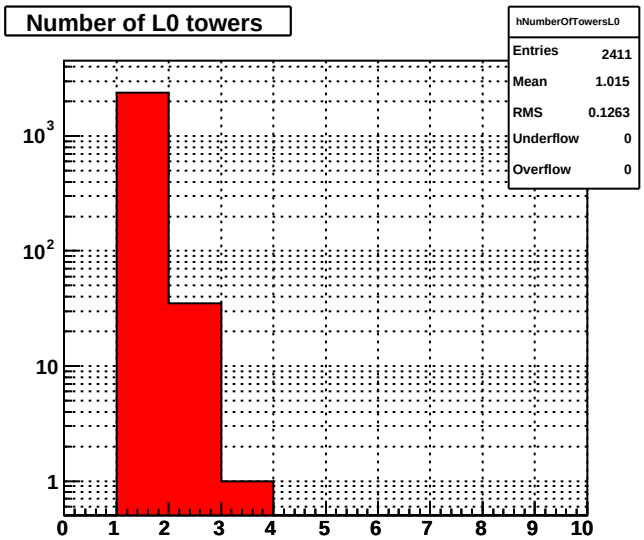
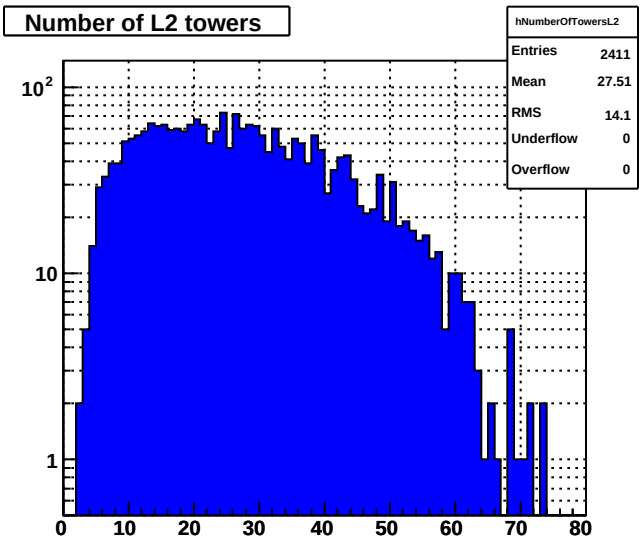
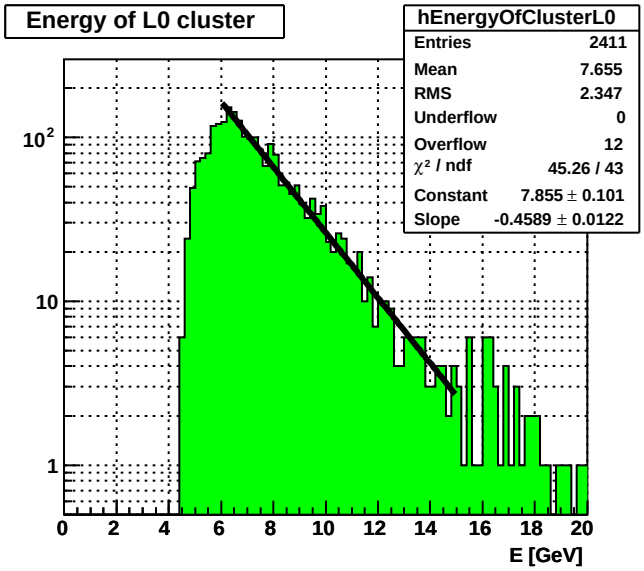
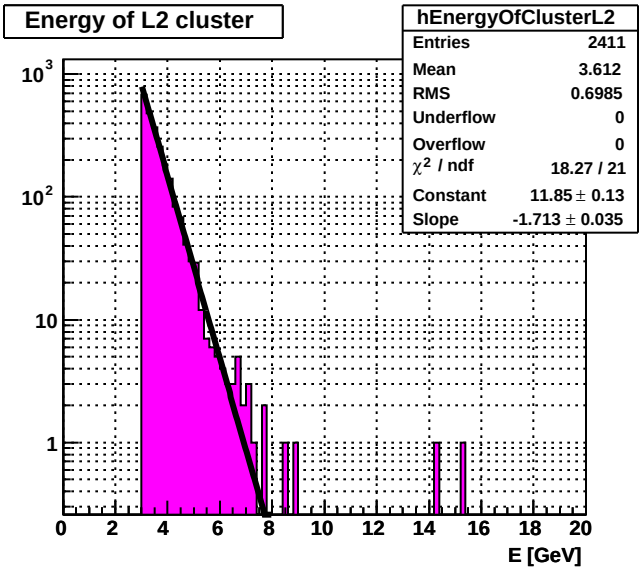

L0 tower
hEtaPhiL0
Entries 2411
Mean x 0.04597
Mean y 0.1091
RMS x 0.5567
RMS y 1.828
φ [radians]
η

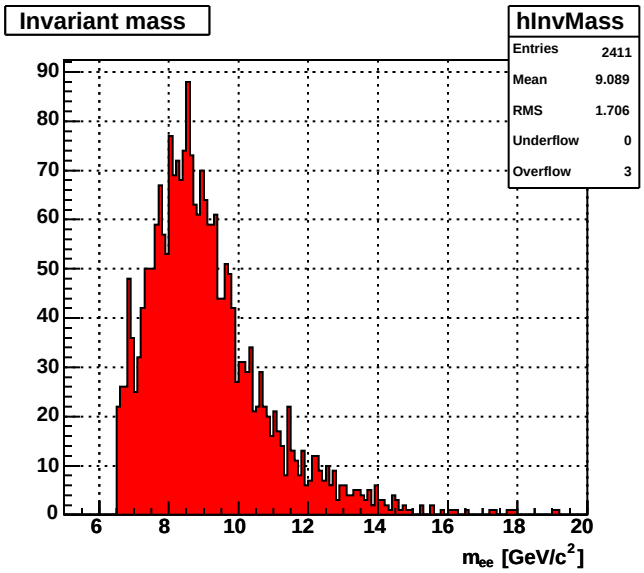

L2 tower
hEtaPhiL2
Entries 2411
Mean x -0.004523
Mean y -0.03942
RMS x 0.4656
RMS y 1.76
φ [radians]
η

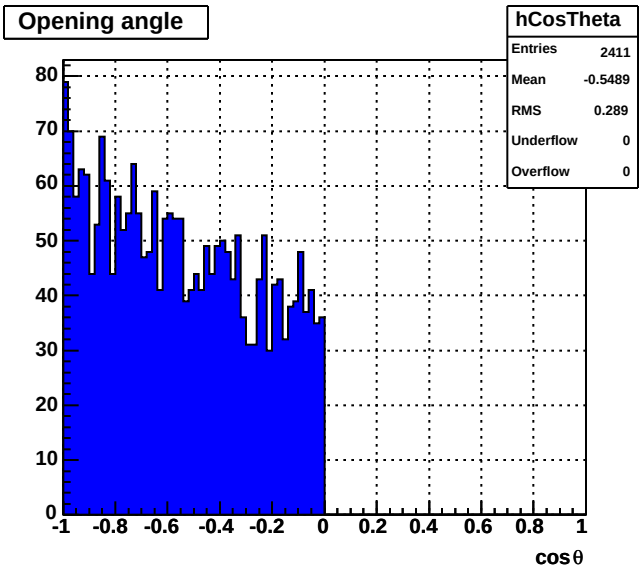

Number of L0 towers
hNumberOfTowersL0
Entries 2411
Mean 1.015
RMS 0.1263
Underflow 0
Overflow 0

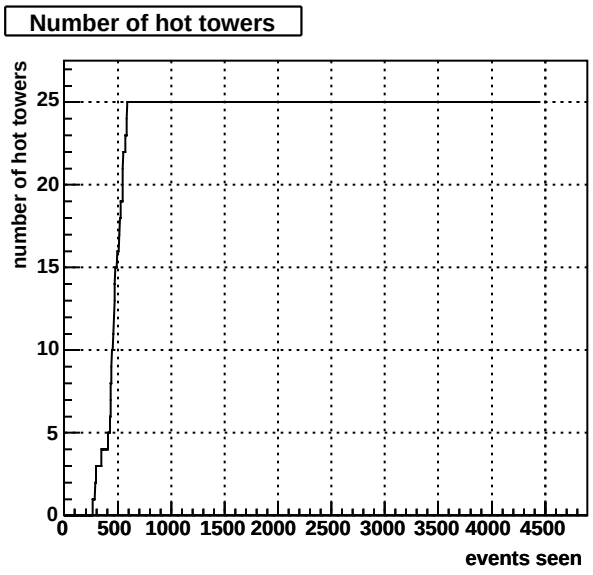

Number of L2 towers
hNumberOfTowersL2
Entries 2411
Mean 27.51
RMS 14.1
Underflow 0
Overflow 0

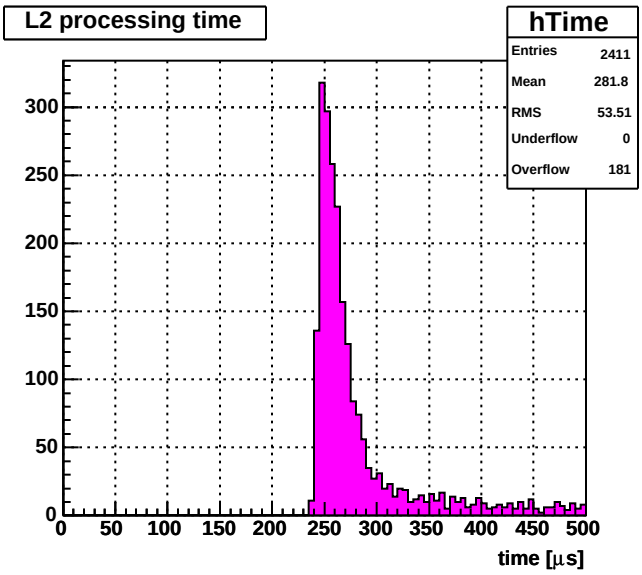

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2411
Mean 7.655
RMS 2.347
Underflow 0
Overflow 12
χ² / ndf 45.26 / 43
Constant 7.855 ± 0.101
Slope -0.4589 ± 0.0122
E [GeV]

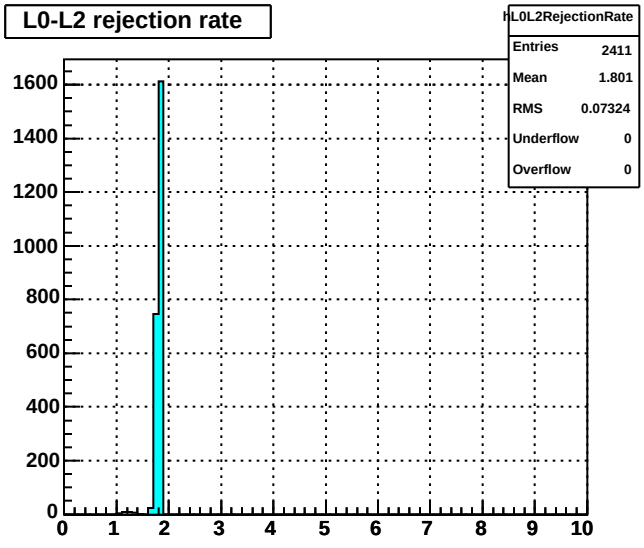

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2411
Mean 3.612
RMS 0.6985
Underflow 0
Overflow 0
χ² / ndf 18.27 / 21
Constant 11.85 ± 0.13
Slope -1.713 ± 0.035
E [GeV]

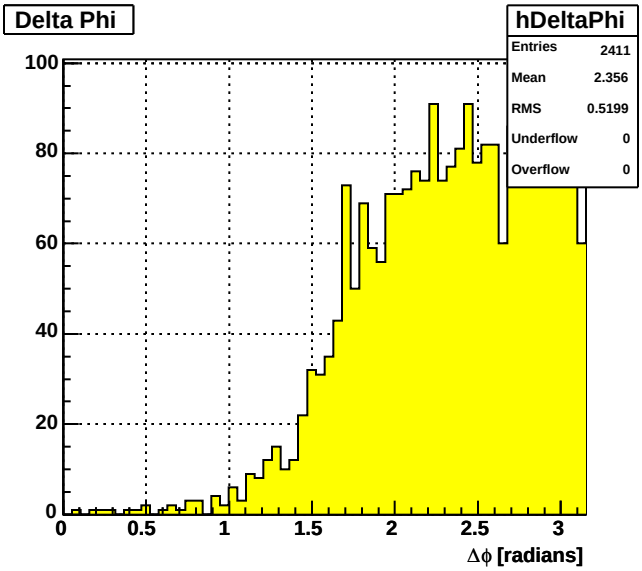

Invariant mass
hInvMass
Entries 2411
Mean 9.089
RMS 1.706
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

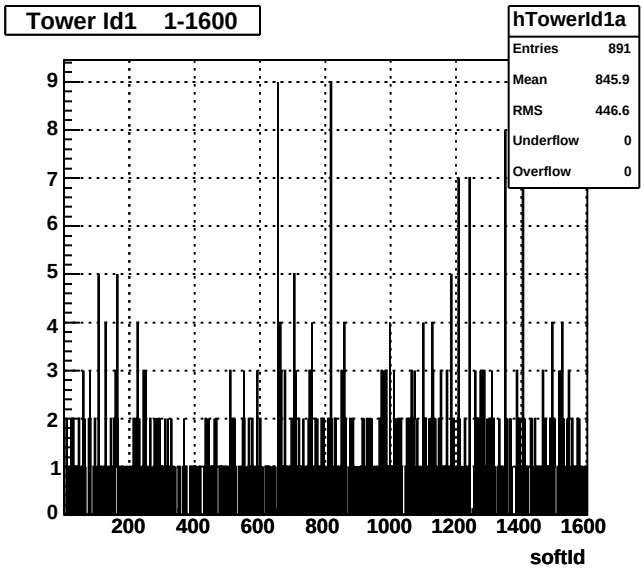

Opening angle
hCosTheta
Entries 2411
Mean -0.5489
RMS 0.289
Underflow 0
Overflow 0
cos θ

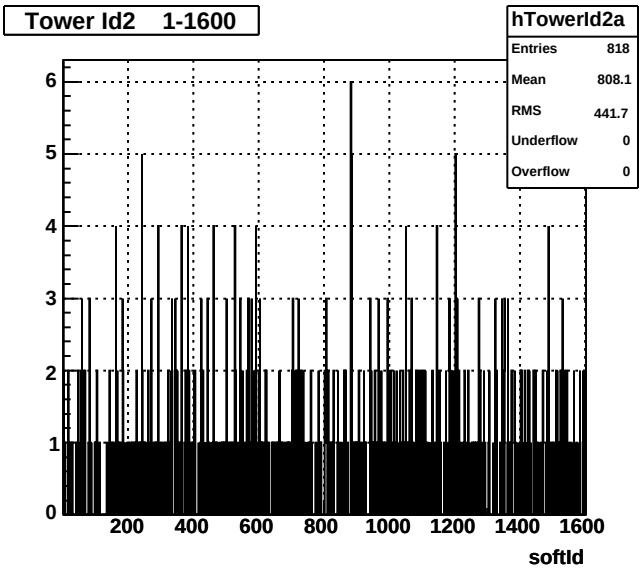

Number of hot towers
number of hot towers
events seen

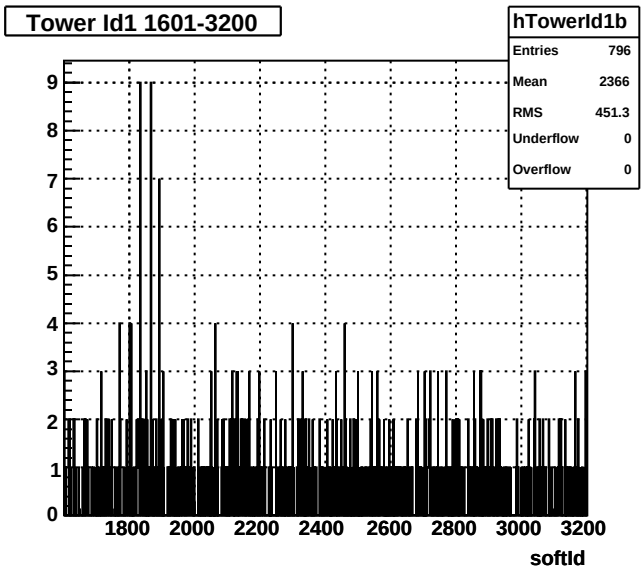

L2 processing time
hTime
Entries 2411
Mean 281.8
RMS 53.51
Underflow 0
Overflow 181
time [μs]

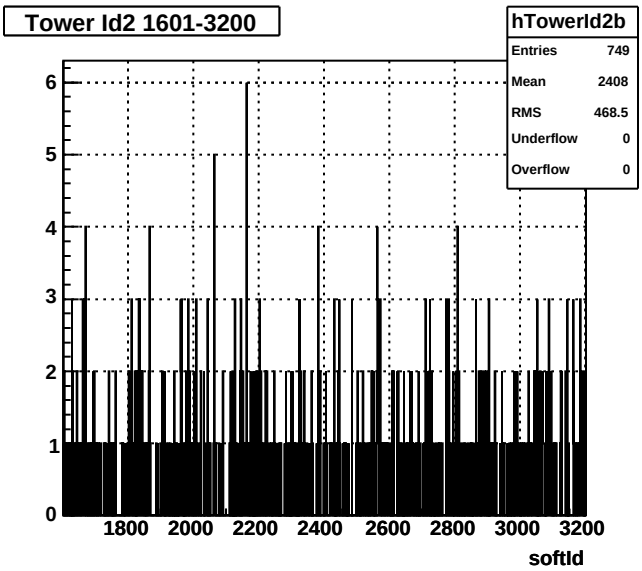

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2411
Mean 1.801
RMS 0.07324
Underflow 0
Overflow 0

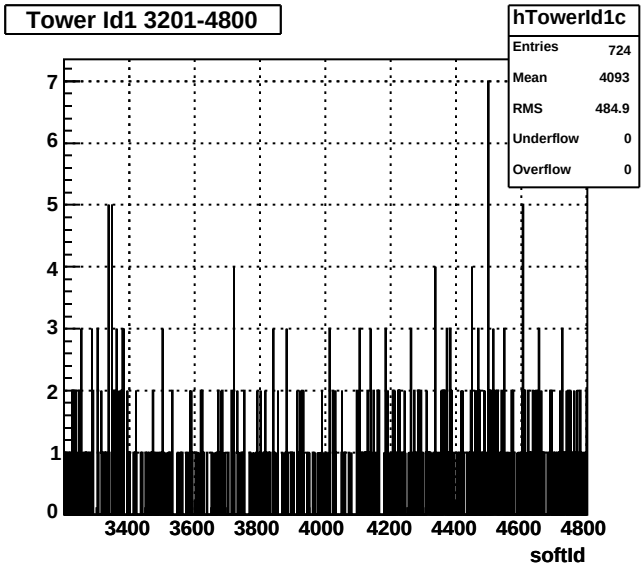

Delta Phi
hDeltaPhi
Entries 2411
Mean 2.356
RMS 0.5199
Underflow 0
Overflow 0
Δφ [radians]

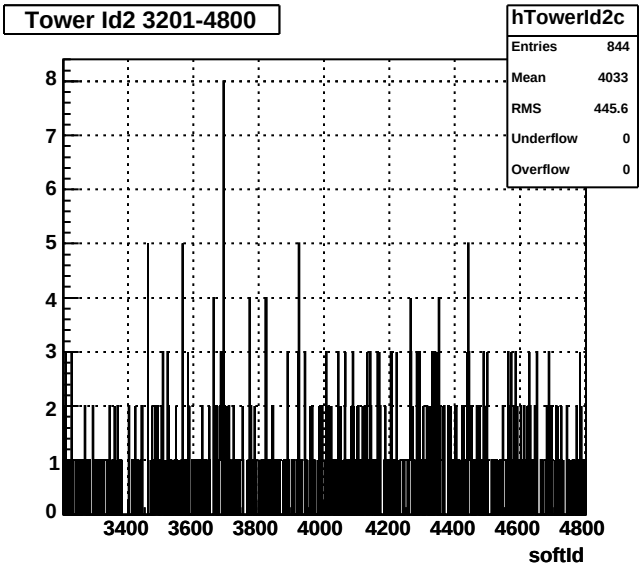

Tower Id1 1-1600
hTowerId1a
Entries 891
Mean 845.9
RMS 446.6
Underflow 0
Overflow 0
softId

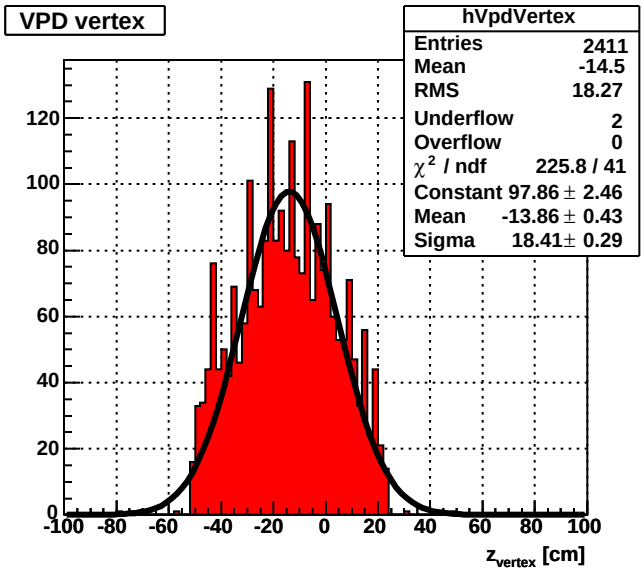

Tower Id2 1-1600
hTowerId2a
Entries 818
Mean 808.1
RMS 441.7
Underflow 0
Overflow 0
softId

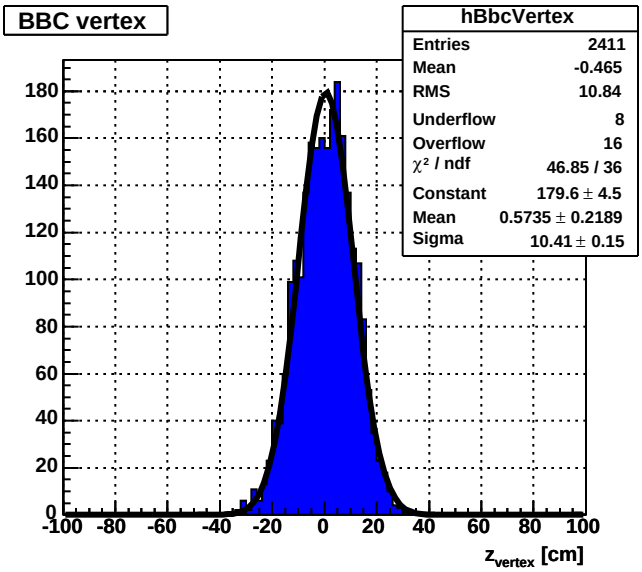

Tower Id1 1601-3200
hTowerId1b
Entries 796
Mean 2366
RMS 451.3
Underflow 0
Overflow 0
softId

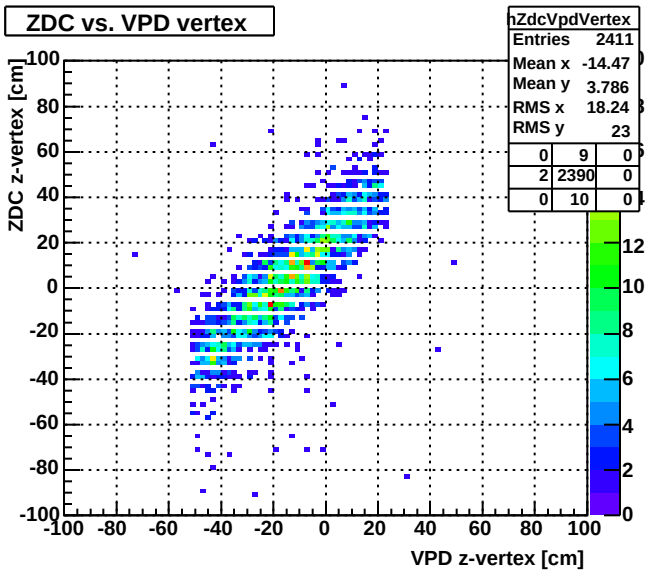

Tower Id2 1601-3200
hTowerId2b
Entries 749
Mean 2408
RMS 468.5
Underflow 0
Overflow 0
softId

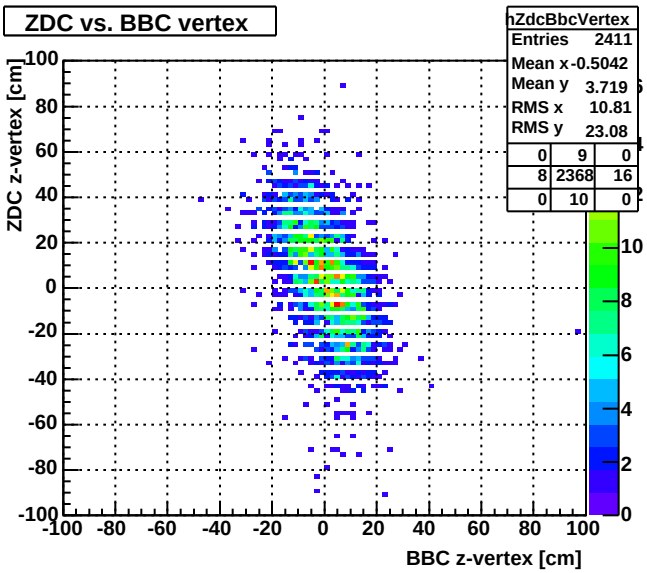

Tower Id1 3201-4800
hTowerId1c
Entries 724
Mean 4093
RMS 484.9
Underflow 0
Overflow 0
softId

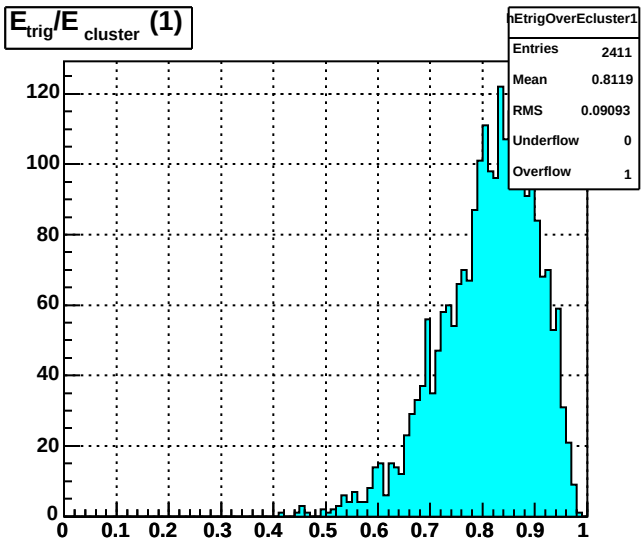

Tower Id2 3201-4800
hTowerId2c
Entries 844
Mean 4033
RMS 445.6
Underflow 0
Overflow 0
softId

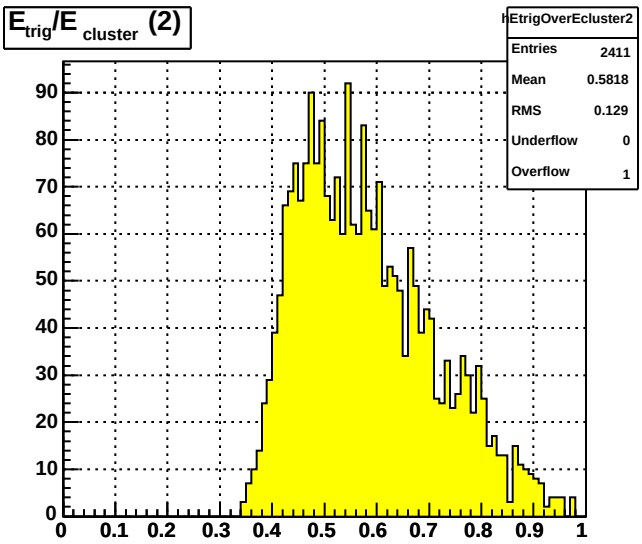

VPD vertex
hVpdVertex
Entries 2411
Mean -14.5
RMS 18.27
Underflow 2
Overflow 0
χ² / ndf 225.8 / 41
Constant 97.86 ± 2.46
Mean -13.86 ± 0.43
Sigma 18.41 ± 0.29
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2411
Mean -0.465
RMS 10.84
Underflow 8
Overflow 16
χ² / ndf 46.85 / 36
Constant 179.6 ± 4.5
Mean 0.5735 ± 0.2189
Sigma 10.41 ± 0.15
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2411
Mean x -14.47
Mean y 3.786
RMS x 18.24
RMS y 23
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2411
Mean x -0.5042
Mean y 3.719
RMS x 10.81
RMS y 23.08
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2411
Mean 0.8119
RMS 0.09093
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2411
Mean 0.5818
RMS 0.129
Underflow 0
Overflow 1