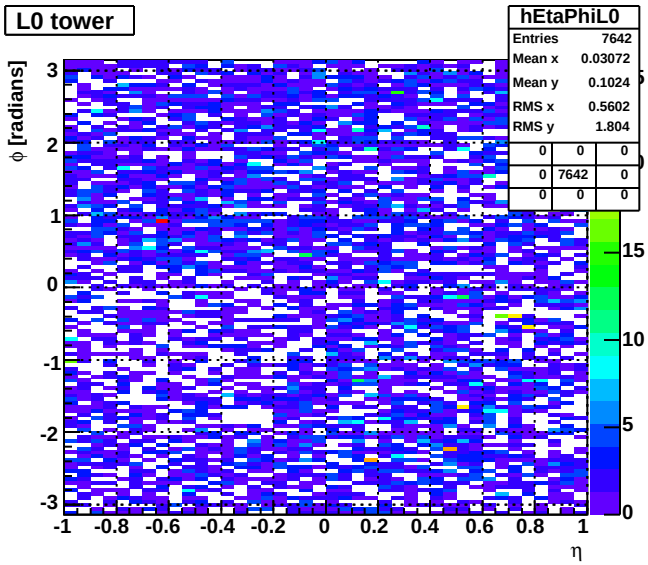
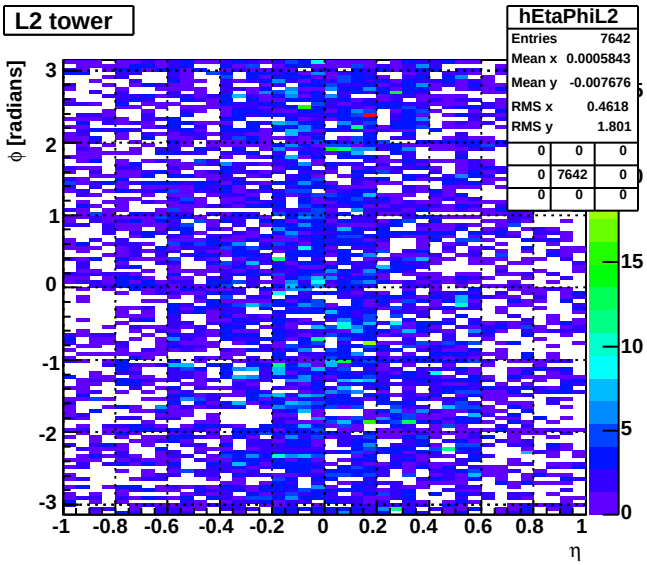
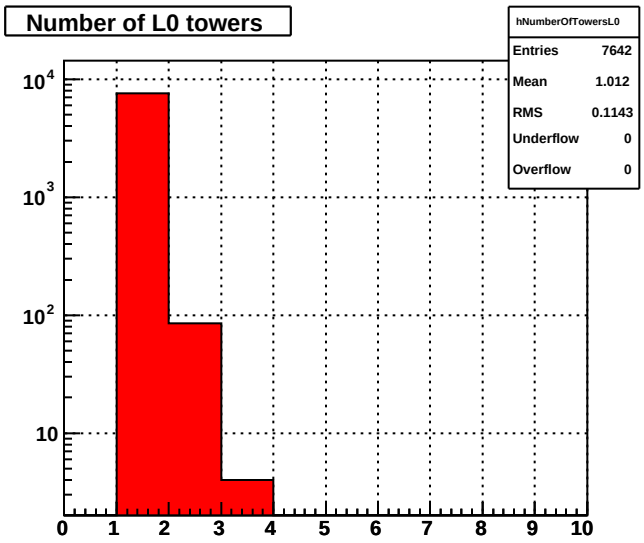
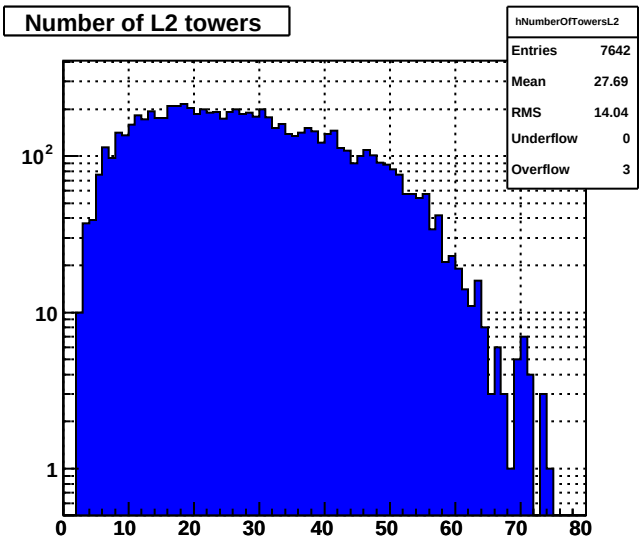
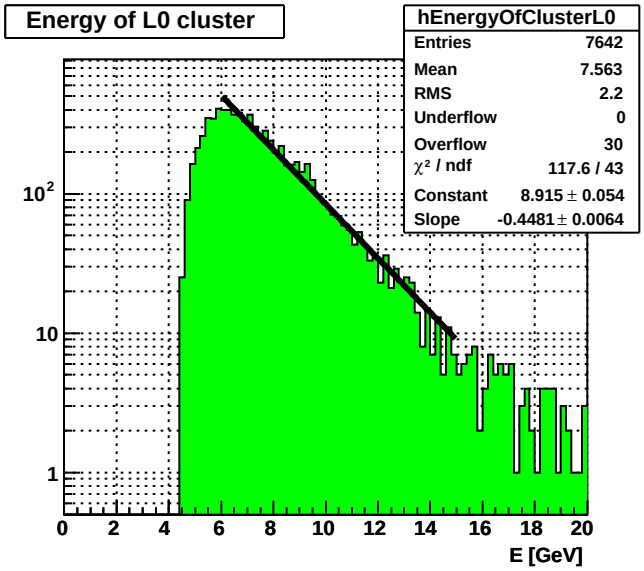
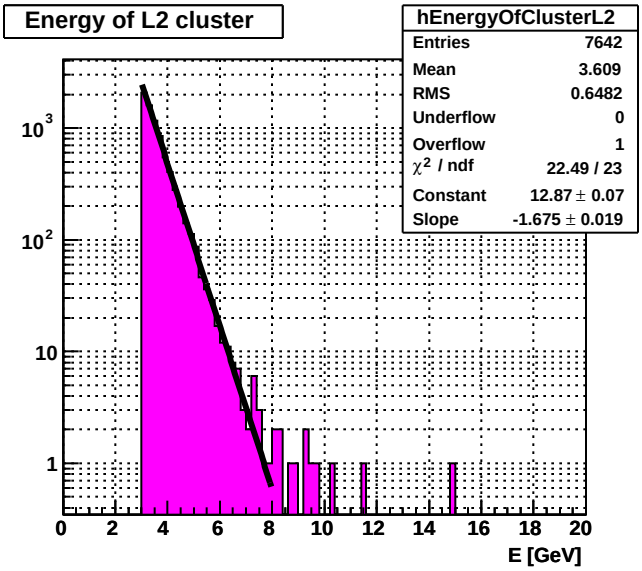

L0 tower
hEtaPhiL0
Entries 7642
Mean x 0.03072
Mean y 0.1024
RMS x 0.5602
RMS y 1.804
φ [radians]
η

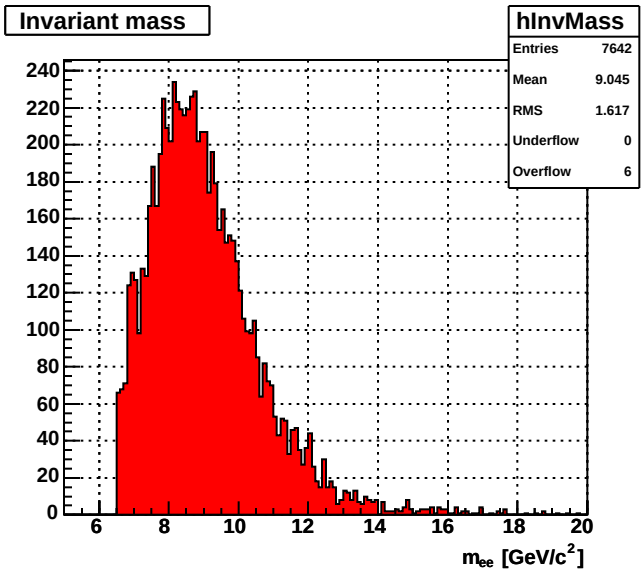

L2 tower
hEtaPhiL2
Entries 7642
Mean x 0.0005843
Mean y -0.007676
RMS x 0.4618
RMS y 1.801
φ [radians]
η

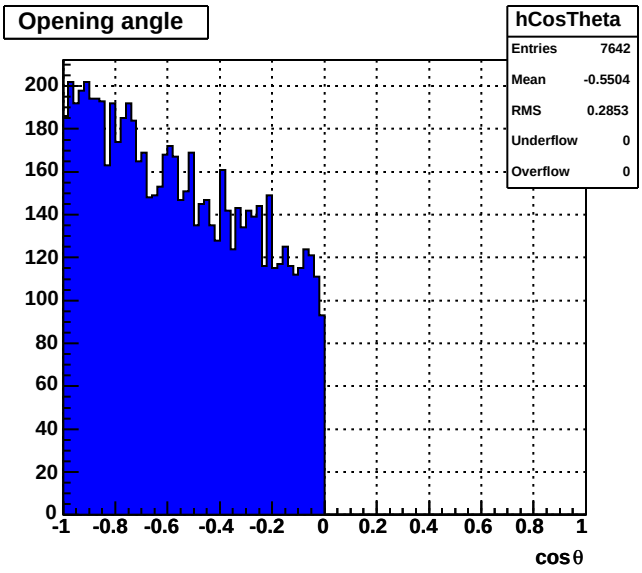

Number of L0 towers
hNumberOfTowersL0
Entries 7642
Mean 1.012
RMS 0.1143
Underflow 0
Overflow 0

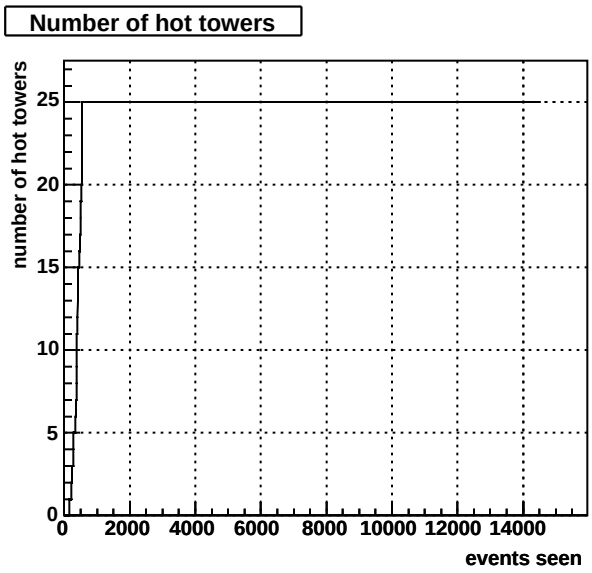

Number of L2 towers
hNumberOfTowersL2
Entries 7642
Mean 27.69
RMS 14.04
Underflow 0
Overflow 3

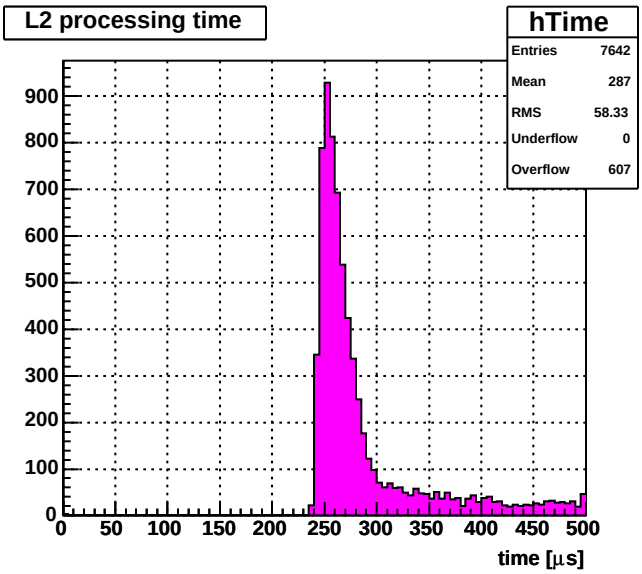

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7642
Mean 7.563
RMS 2.2
Underflow 0
Overflow 30
χ² / ndf 117.6 / 43
Constant 8.915 ± 0.054
Slope -0.4481 ± 0.0064
E [GeV]

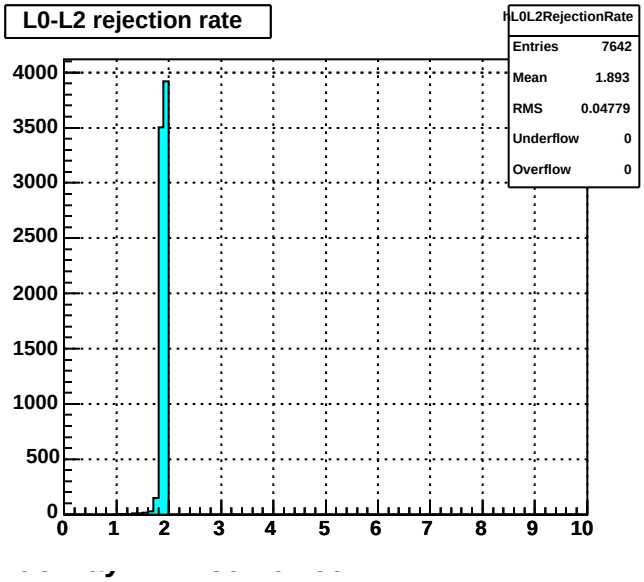

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7642
Mean 3.609
RMS 0.6482
Underflow 0
Overflow 1
χ² / ndf 22.49 / 23
Constant 12.87 ± 0.07
Slope -1.675 ± 0.019
E [GeV]

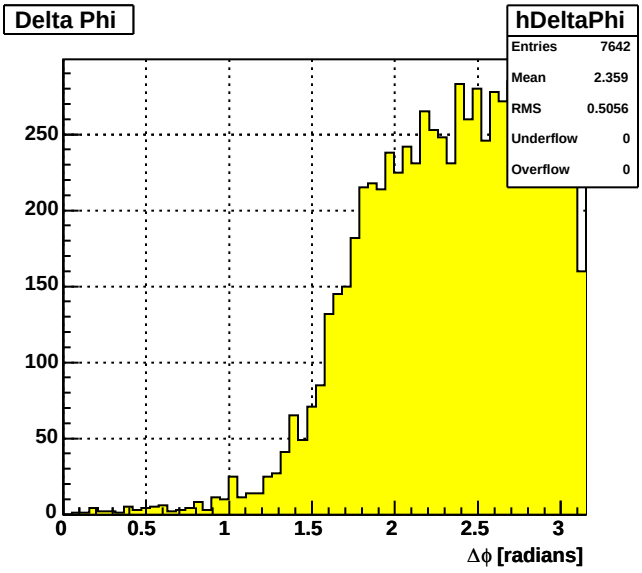

Invariant mass
hInvMass
Entries 7642
Mean 9.045
RMS 1.617
Underflow 0
Overflow 6
m_{ee} [GeV/c^2]

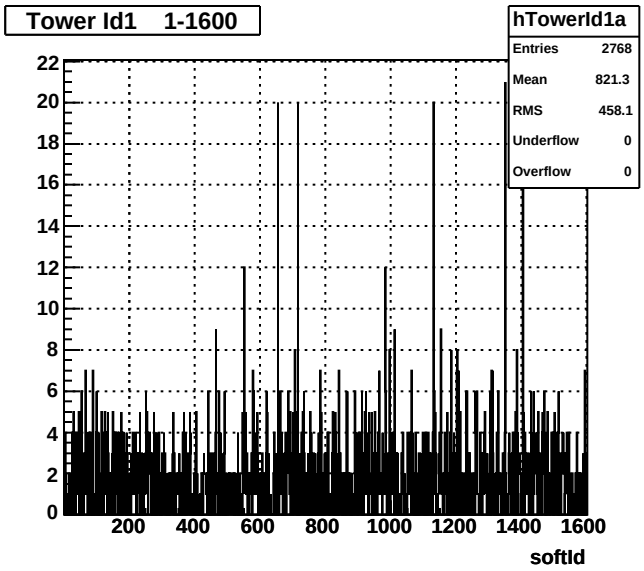

Opening angle
hCosTheta
Entries 7642
Mean -0.5504
RMS 0.2853
Underflow 0
Overflow 0
cos θ

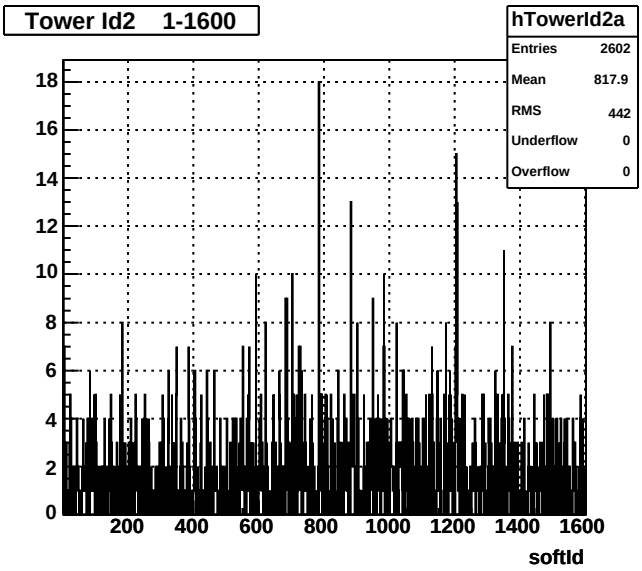

Number of hot towers
number of hot towers
events seen

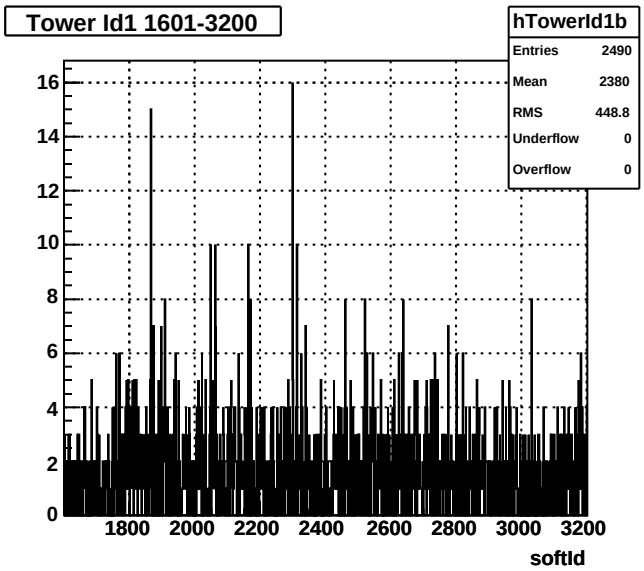

L2 processing time
hTime
Entries 7642
Mean 287
RMS 58.33
Underflow 0
Overflow 607
time [μs]

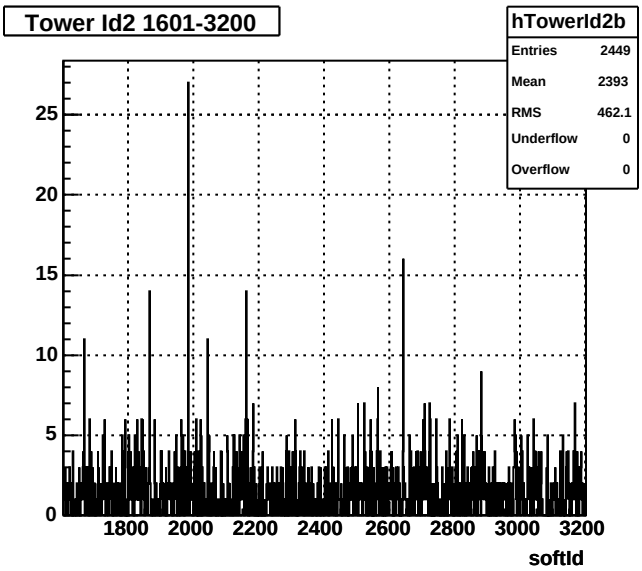

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7642
Mean 1.893
RMS 0.04779
Underflow 0
Overflow 0

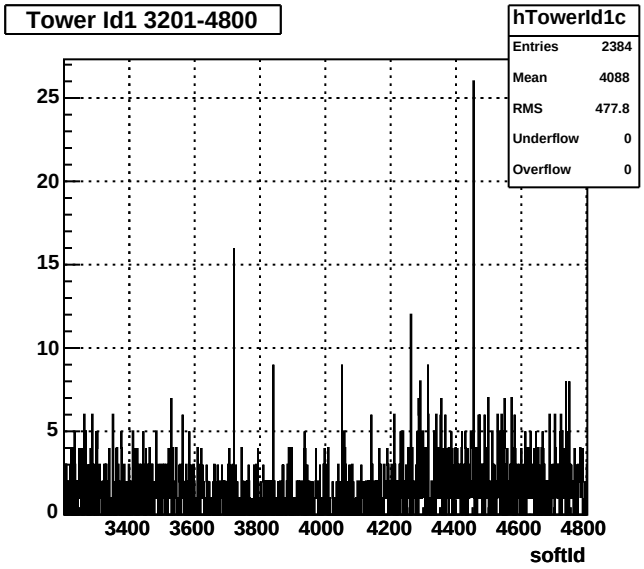

Delta Phi
hDeltaPhi
Entries 7642
Mean 2.359
RMS 0.5056
Underflow 0
Overflow 0
Δφ [radians]

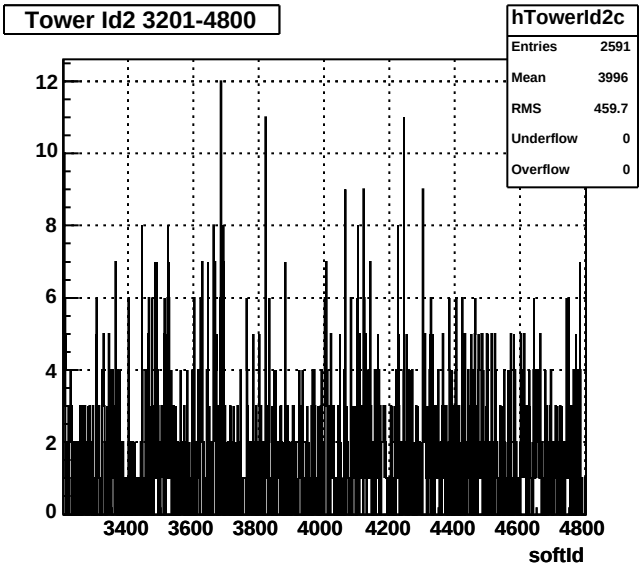

Tower Id1 1-1600
hTowerId1a
Entries 2768
Mean 821.3
RMS 458.1
Underflow 0
Overflow 0
softId

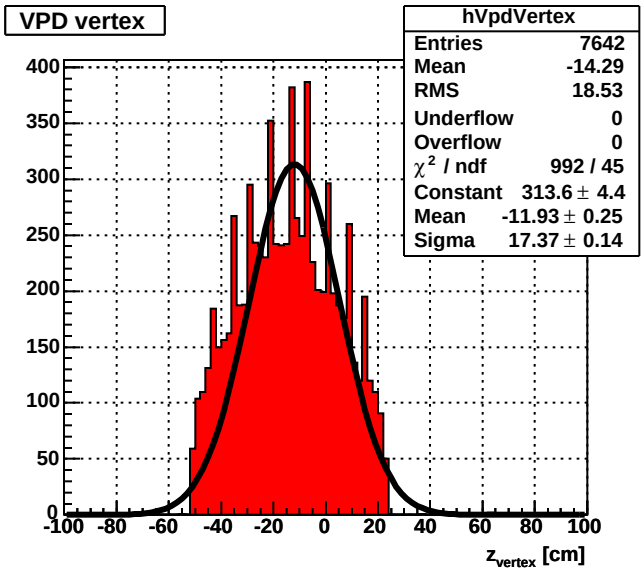

Tower Id2 1-1600
hTowerId2a
Entries 2602
Mean 817.9
RMS 442
Underflow 0
Overflow 0
softId

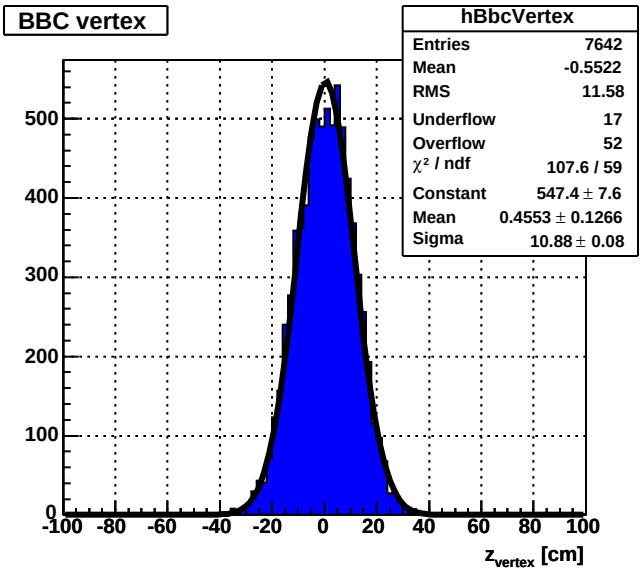

Tower Id1 1601-3200
hTowerId1b
Entries 2490
Mean 2380
RMS 448.8
Underflow 0
Overflow 0
softId

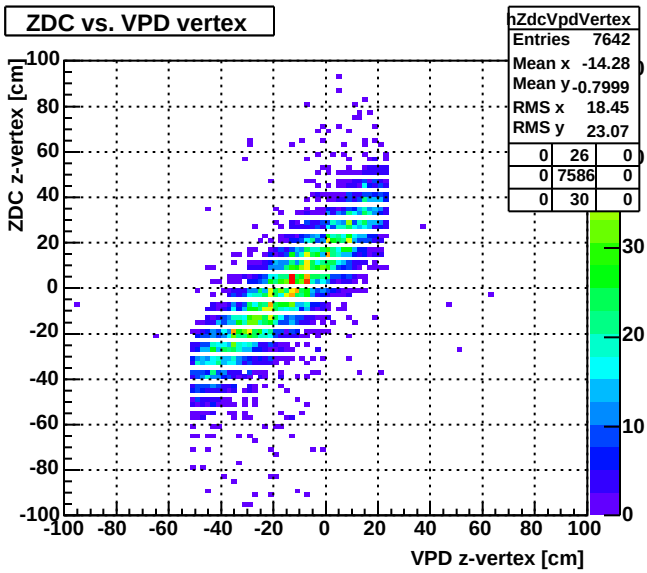

Tower Id2 1601-3200
hTowerId2b
Entries 2449
Mean 2393
RMS 462.1
Underflow 0
Overflow 0
softId

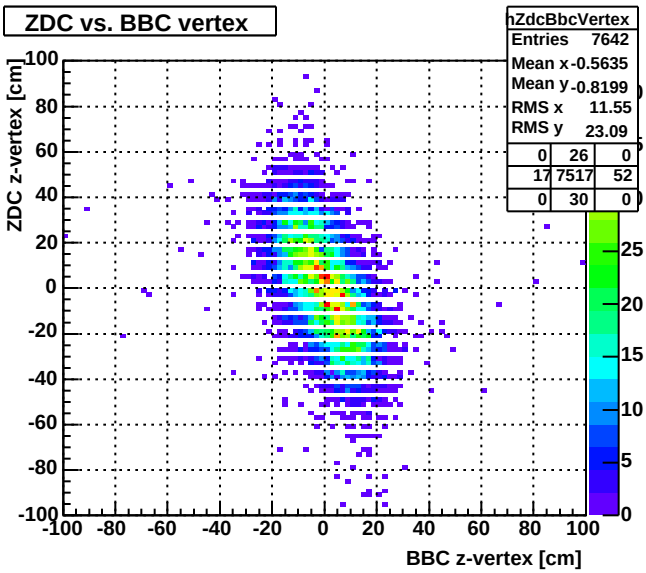

Tower Id1 3201-4800
hTowerId1c
Entries 2384
Mean 4088
RMS 477.8
Underflow 0
Overflow 0
softId

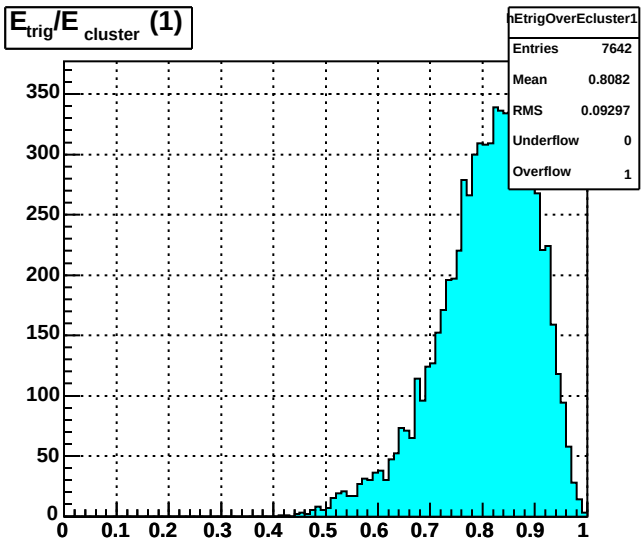

Tower Id2 3201-4800
hTowerId2c
Entries 2591
Mean 3996
RMS 459.7
Underflow 0
Overflow 0
softId

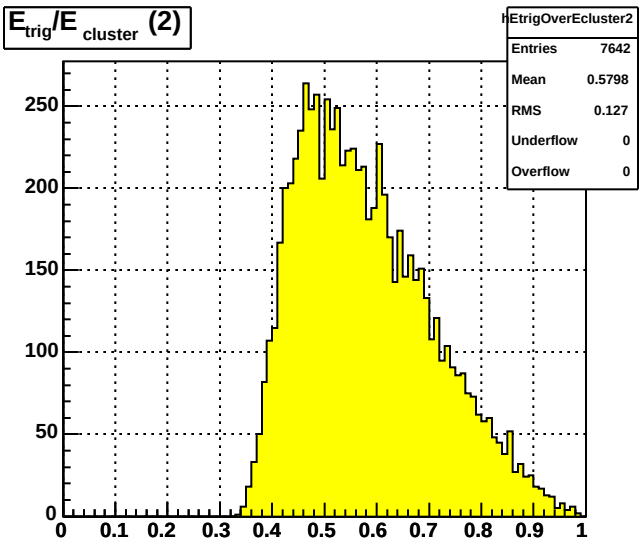

VPD vertex
hVpdVertex
Entries 7642
Mean -14.29
RMS 18.53
Underflow 0
Overflow 0
χ² / ndf 992 / 45
Constant 313.6 ± 4.4
Mean -11.93 ± 0.25
Sigma 17.37 ± 0.14
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7642
Mean -0.5522
RMS 11.58
Underflow 17
Overflow 52
χ² / ndf 107.6 / 59
Constant 547.4 ± 7.6
Mean 0.4553 ± 0.1266
Sigma 10.88 ± 0.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7642
Mean x -14.28
Mean y -0.7999
RMS x 18.45
RMS y 23.07
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7642
Mean x -0.5635
Mean y -0.8199
RMS x 11.55
RMS y 23.09
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7642
Mean 0.8082
RMS 0.09297
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7642
Mean 0.5798
RMS 0.127
Underflow 0
Overflow 0