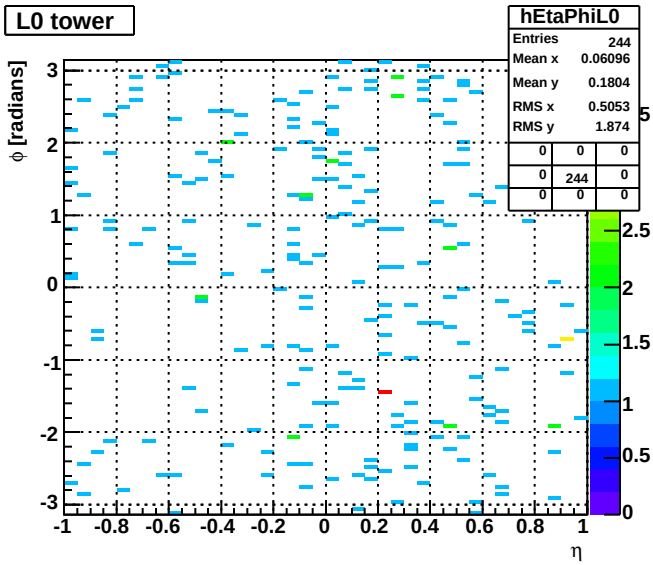
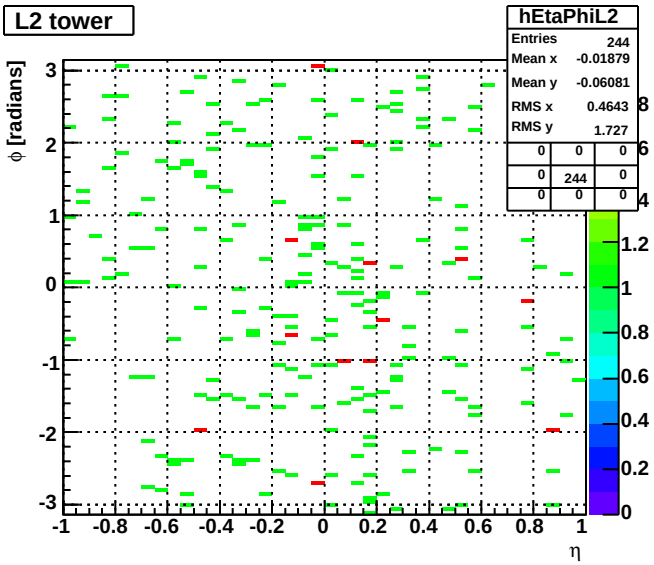
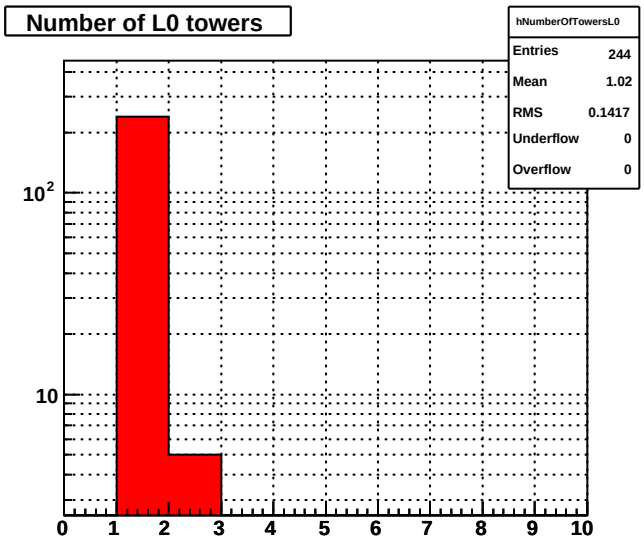
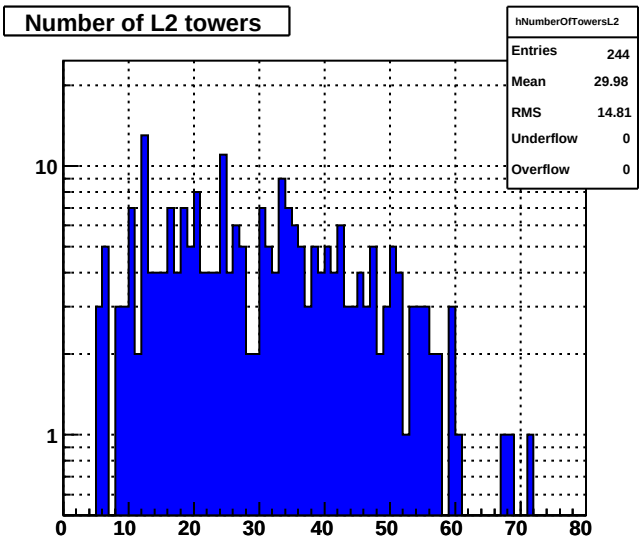
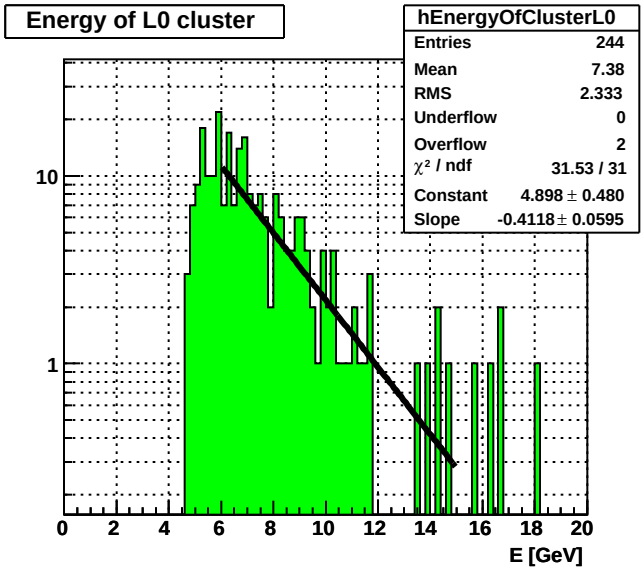
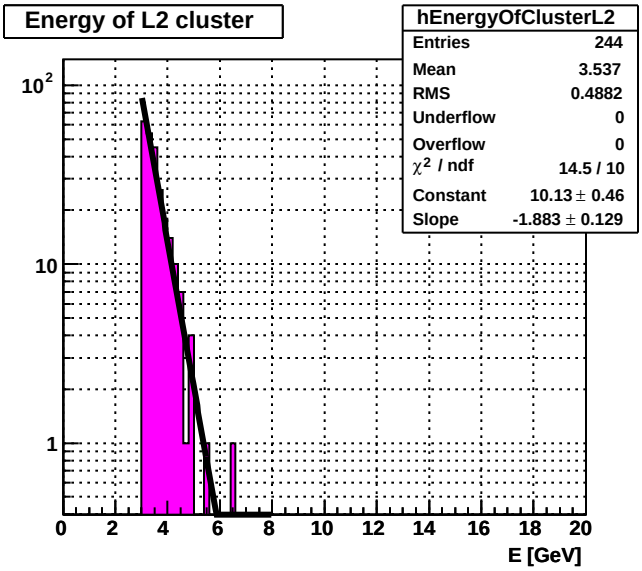

L0 tower
hEtaPhiL0
Entries 244
Mean x 0.06096
Mean y 0.1804
RMS x 0.5053
RMS y 1.874
φ [radians]
η

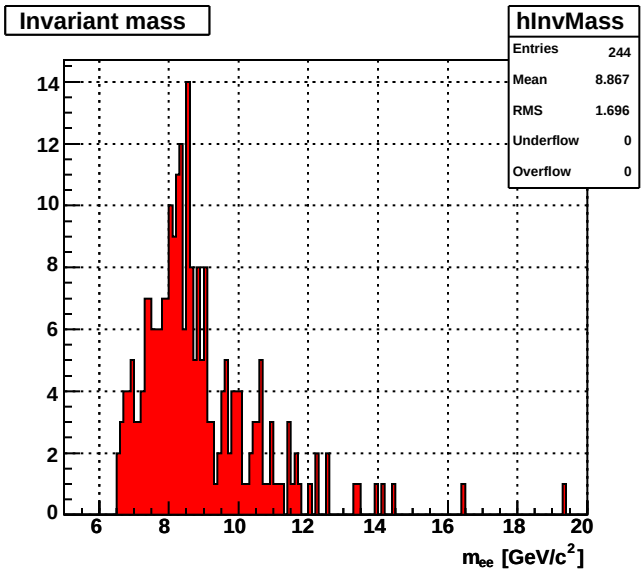

L2 tower
hEtaPhiL2
Entries 244
Mean x -0.01879
Mean y -0.06081
RMS x 0.4643
RMS y 1.727
φ [radians]
η

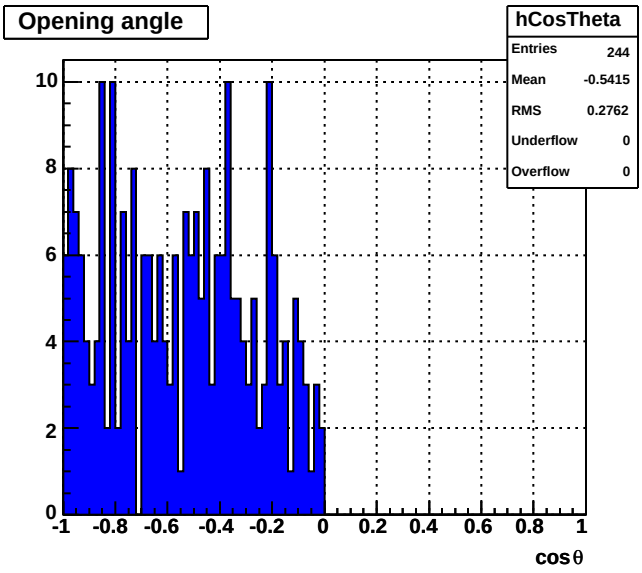

Number of L0 towers
hNumberOfTowersL0
Entries 244
Mean 1.02
RMS 0.1417
Underflow 0
Overflow 0

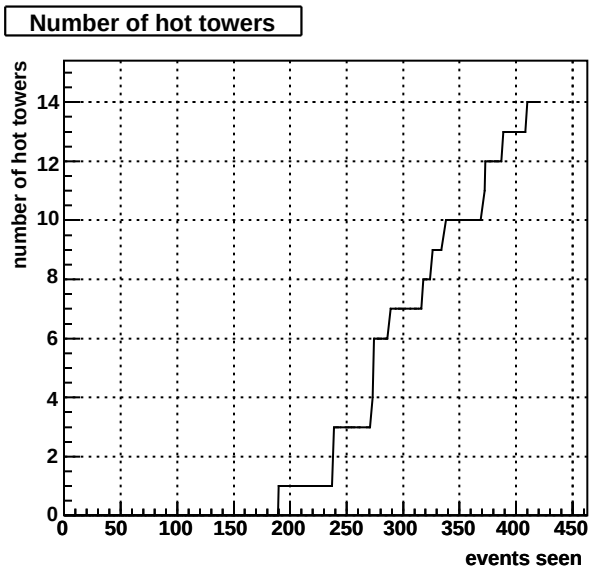

Number of L2 towers
hNumberOfTowersL2
Entries 244
Mean 29.98
RMS 14.81
Underflow 0
Overflow 0

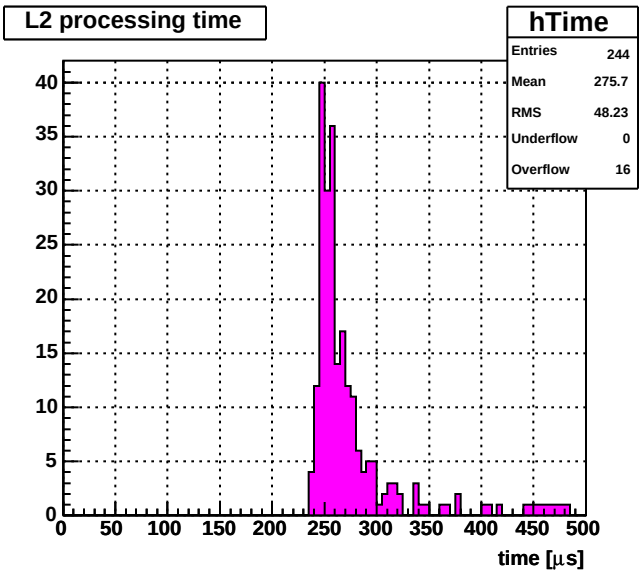

Energy of L0 cluster
hEnergyOfClusterL0
Entries 244
Mean 7.38
RMS 2.333
Underflow 0
Overflow 2
χ² / ndf 31.53 / 31
Constant 4.898 ± 0.480
Slope -0.4118 ± 0.0595
E [GeV]

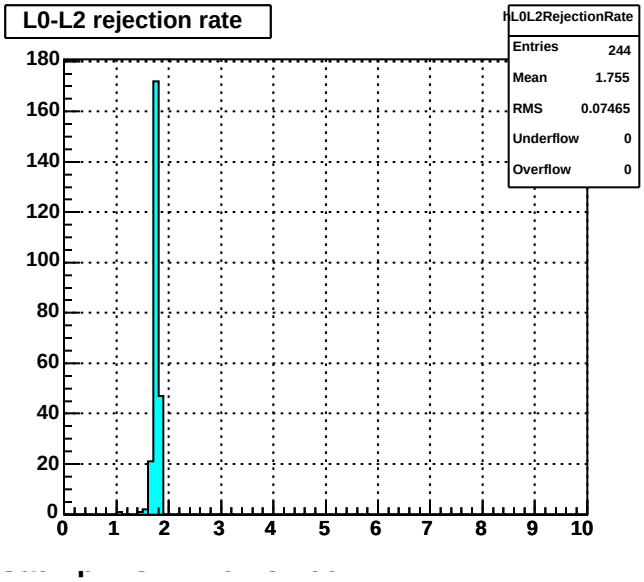

Energy of L2 cluster
hEnergyOfClusterL2
Entries 244
Mean 3.537
RMS 0.4882
Underflow 0
Overflow 0
χ² / ndf 14.5 / 10
Constant 10.13 ± 0.46
Slope -1.883 ± 0.129
E [GeV]

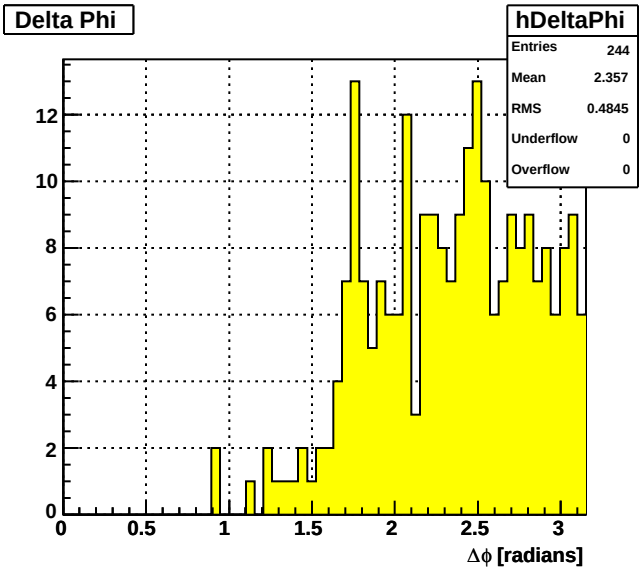

Invariant mass
hInvMass
Entries 244
Mean 8.867
RMS 1.696
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

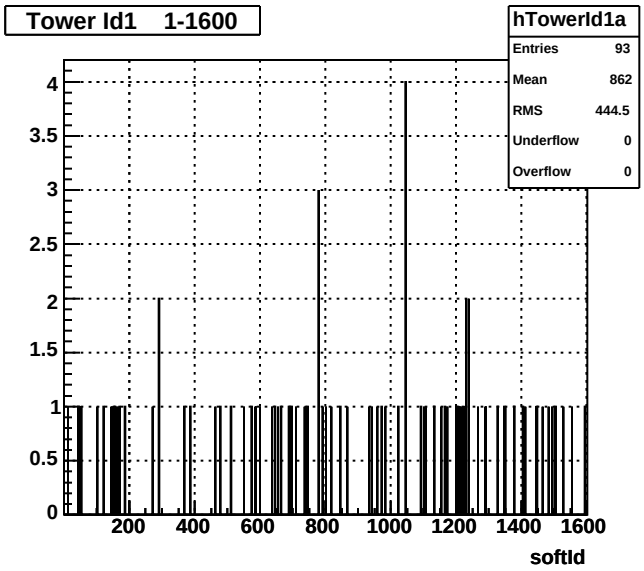

Opening angle
hCosTheta
Entries 244
Mean -0.5415
RMS 0.2762
Underflow 0
Overflow 0
cos θ

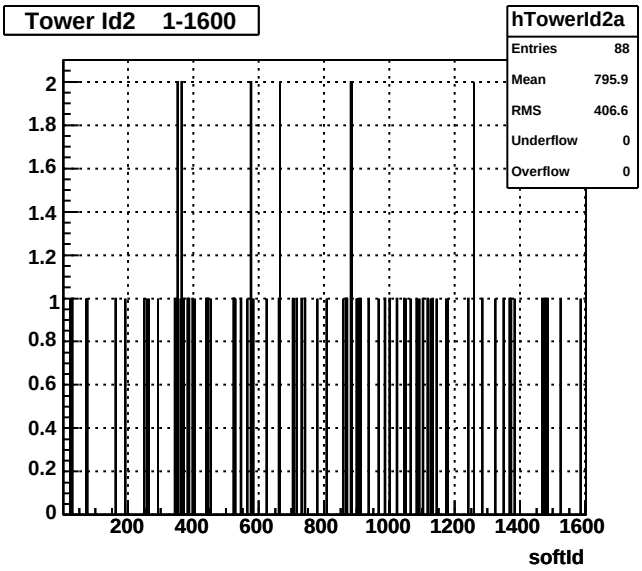

Number of hot towers
number of hot towers
events seen

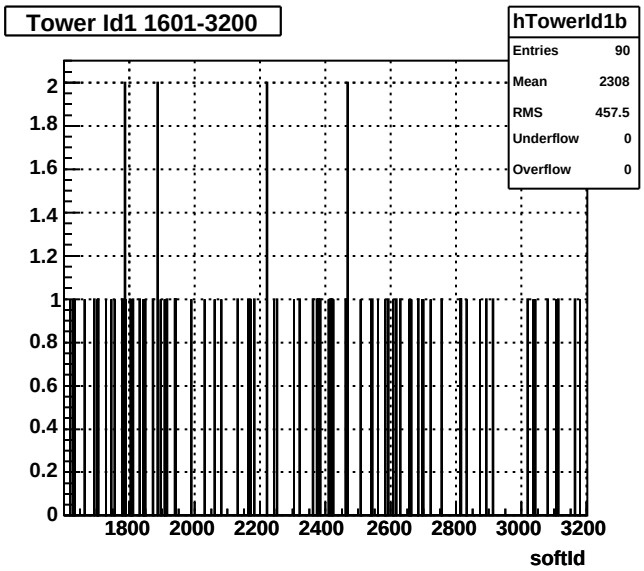

L2 processing time
hTime
Entries 244
Mean 275.7
RMS 48.23
Underflow 0
Overflow 16
time [μs]

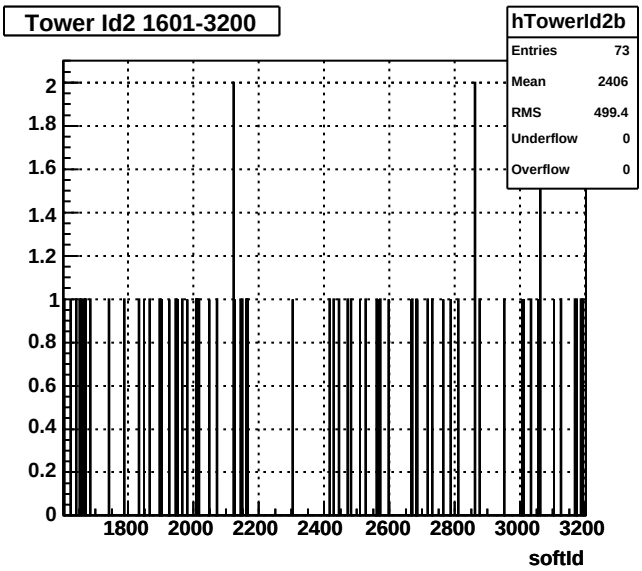

L0-L2 rejection rate
hL0L2RejectionRate
Entries 244
Mean 1.755
RMS 0.07465
Underflow 0
Overflow 0

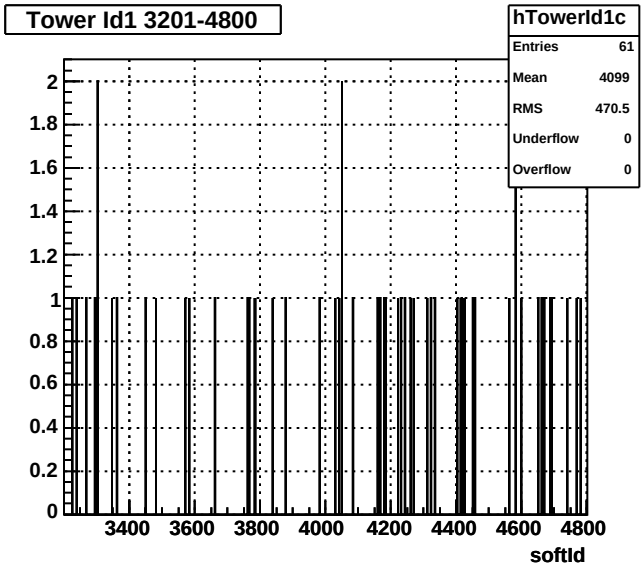

Delta Phi
hDeltaPhi
Entries 244
Mean 2.357
RMS 0.4845
Underflow 0
Overflow 0
Δφ [radians]

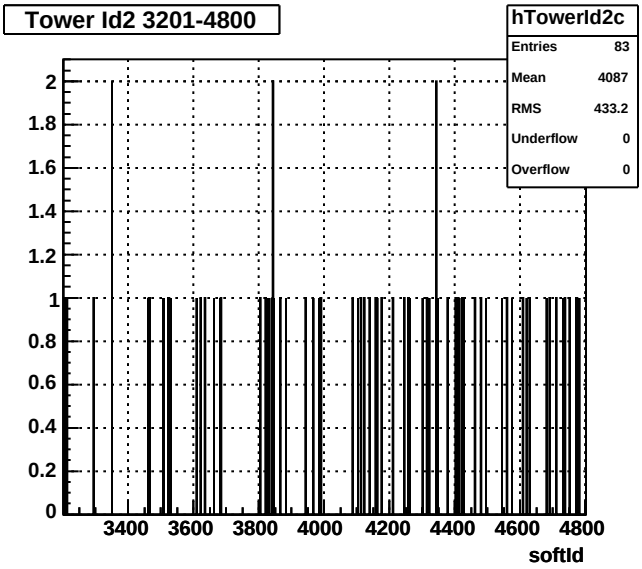

Tower Id1 1-1600
hTowerId1a
Entries 93
Mean 862
RMS 444.5
Underflow 0
Overflow 0
softId

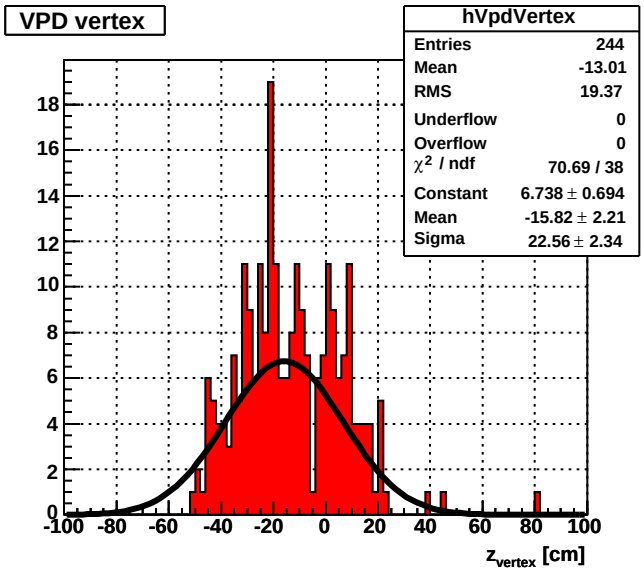

Tower Id2 1-1600
hTowerId2a
Entries 88
Mean 795.9
RMS 406.6
Underflow 0
Overflow 0
softId

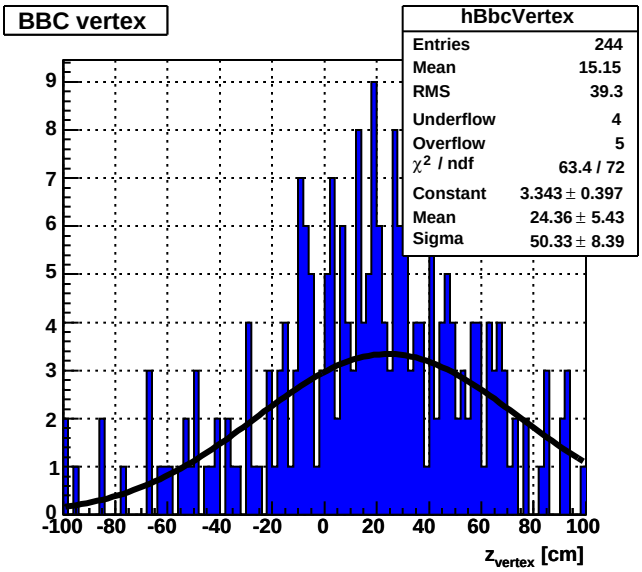

Tower Id1 1601-3200
hTowerId1b
Entries 90
Mean 2308
RMS 457.5
Underflow 0
Overflow 0
softId

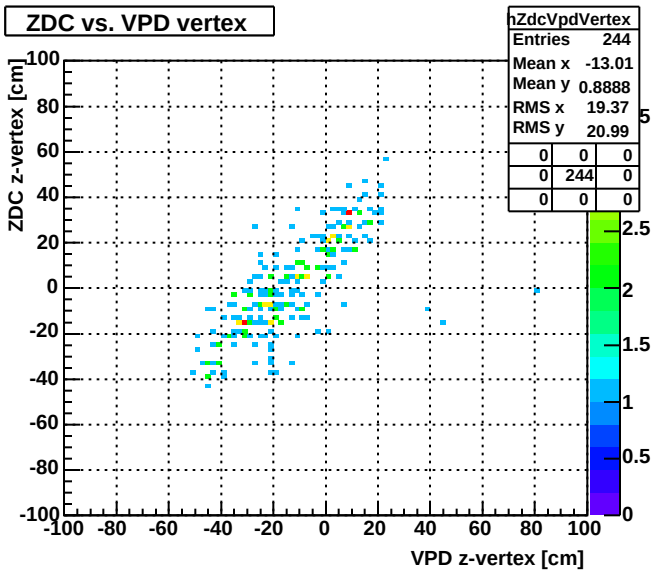

Tower Id2 1601-3200
hTowerId2b
Entries 73
Mean 2406
RMS 499.4
Underflow 0
Overflow 0
softId

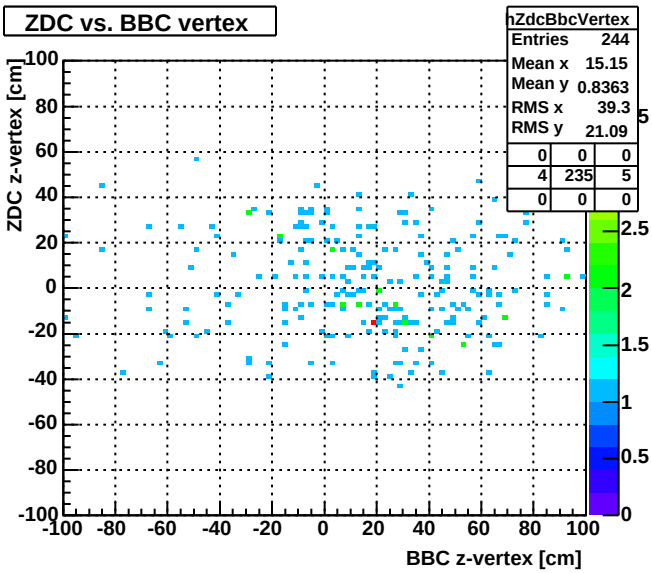

Tower Id1 3201-4800
hTowerId1c
Entries 61
Mean 4099
RMS 470.5
Underflow 0
Overflow 0
softId

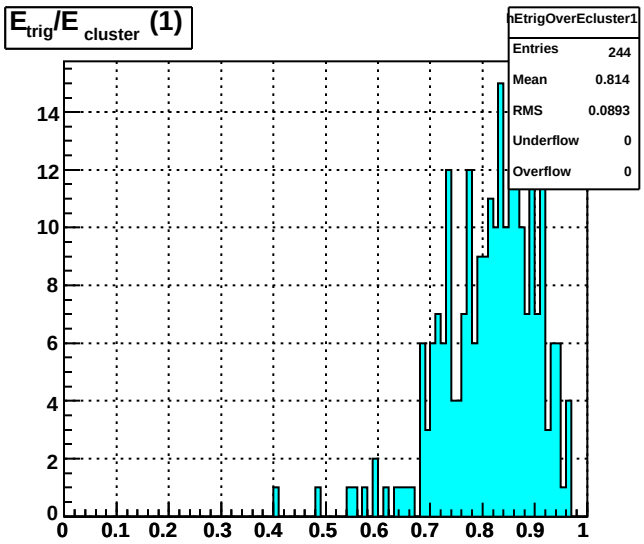

Tower Id2 3201-4800
hTowerId2c
Entries 83
Mean 4087
RMS 433.2
Underflow 0
Overflow 0
softId

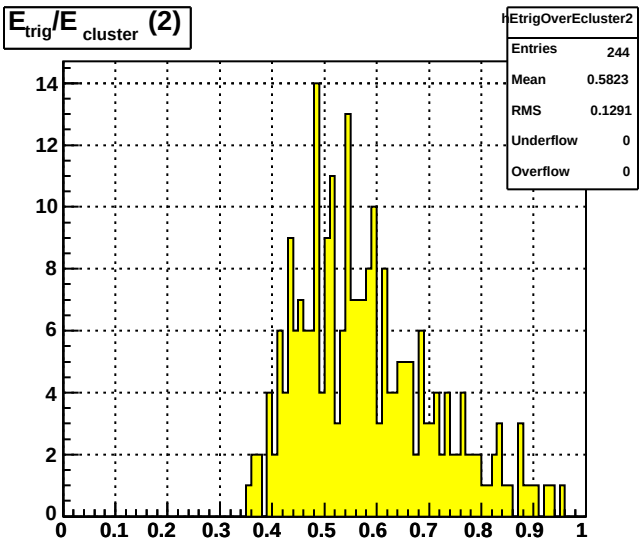

VPD vertex
hVpdVertex
Entries 244
Mean -13.01
RMS 19.37
Underflow 0
Overflow 0
χ² / ndf 70.69 / 38
Constant 6.738 ± 0.694
Mean -15.82 ± 2.21
Sigma 22.56 ± 2.34
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 244
Mean 15.15
RMS 39.3
Underflow 4
Overflow 5
χ² / ndf 63.4 / 72
Constant 3.343 ± 0.397
Mean 24.36 ± 5.43
Sigma 50.33 ± 8.39
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 244
Mean x -13.01
Mean y 0.8888
RMS x 19.37
RMS y 20.99
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 244
Mean x 15.15
Mean y 0.8363
RMS x 39.3
RMS y 21.09
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 244
Mean 0.814
RMS 0.0893
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 244
Mean 0.5823
RMS 0.1291
Underflow 0
Overflow 0