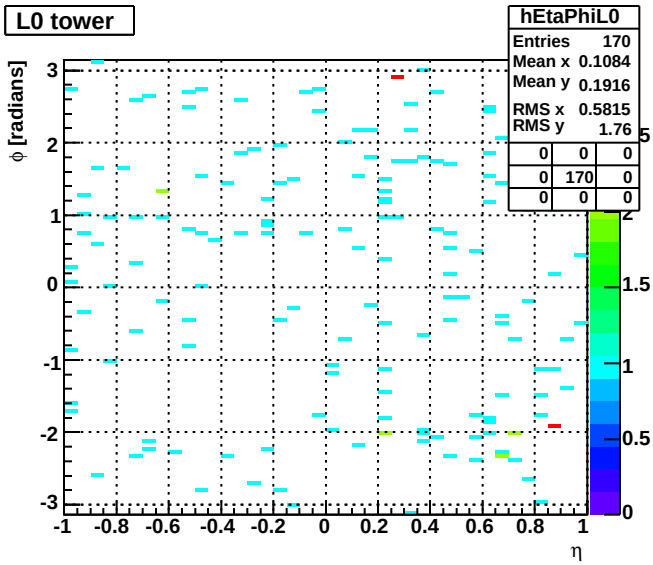
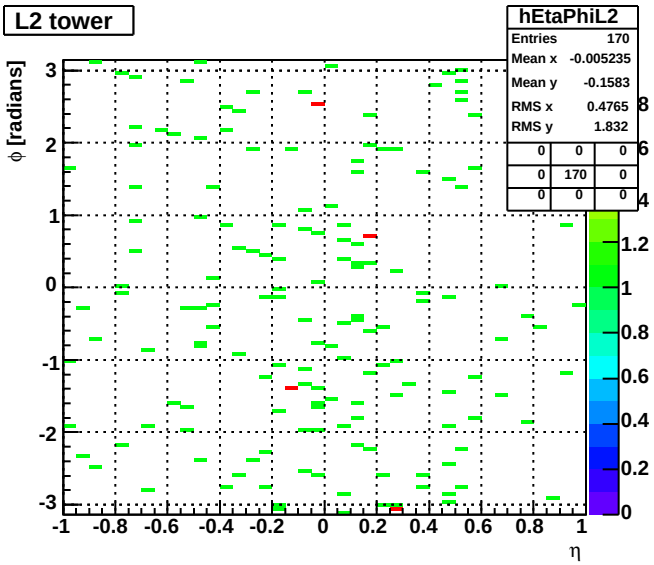
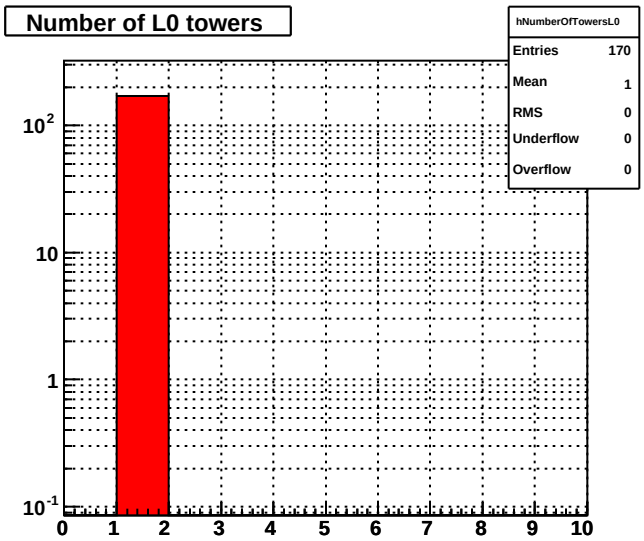
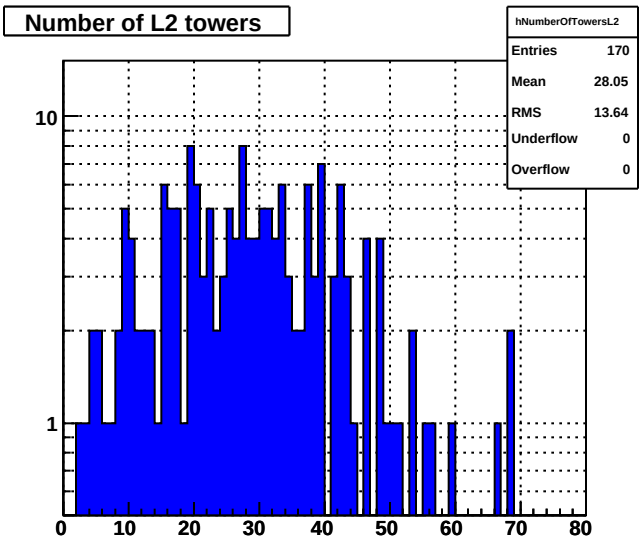
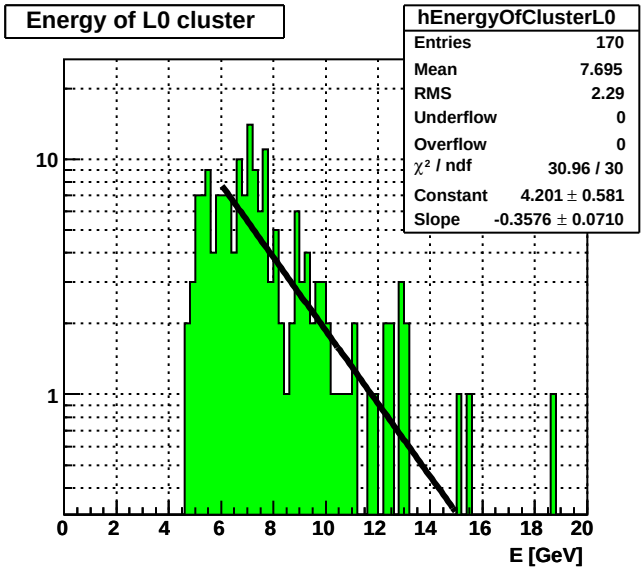
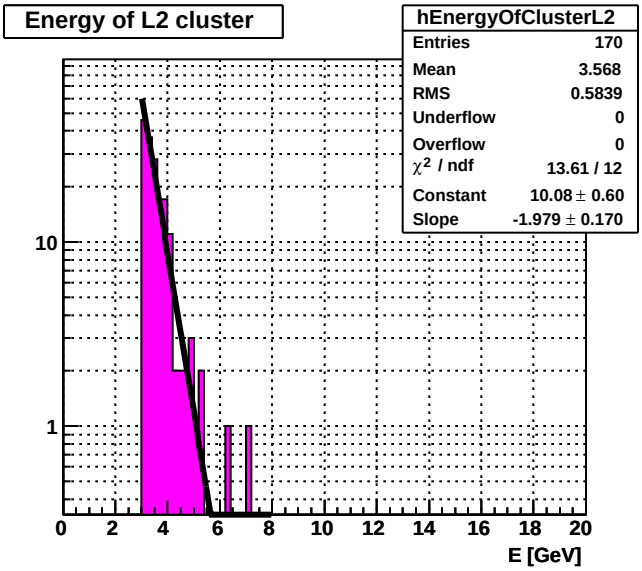

L0 tower
hEtaPhiL0
Entries 170
Mean x 0.1084
Mean y 0.1916
RMS x 0.5815
RMS y 1.76
φ [radians]
η

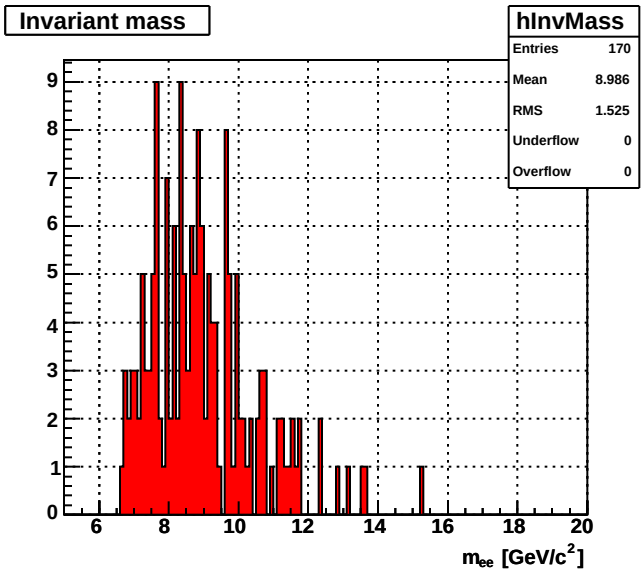

L2 tower
hEtaPhiL2
Entries 170
Mean x -0.005235
Mean y -0.1583
RMS x 0.4765
RMS y 1.832
φ [radians]
η

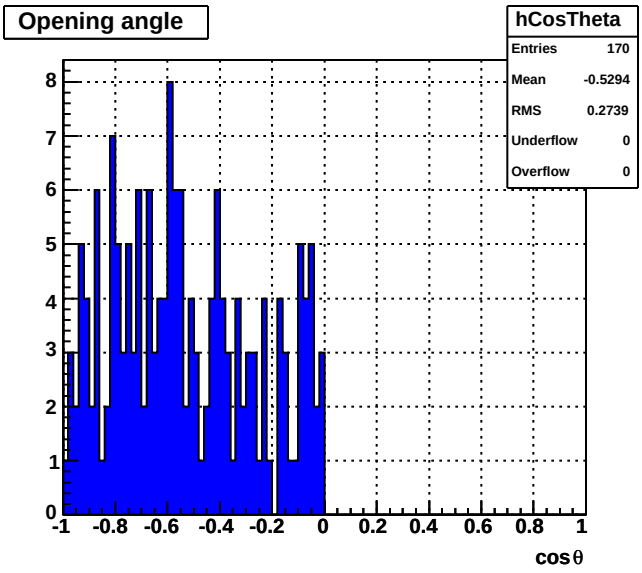

Number of L0 towers
hNumberOfTowersL0
Entries 170
Mean 1
RMS 0
Underflow 0
Overflow 0

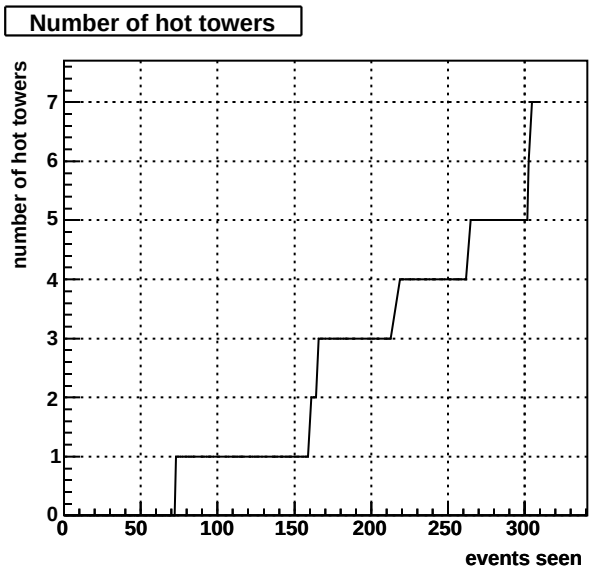

Number of L2 towers
hNumberOfTowersL2
Entries 170
Mean 28.05
RMS 13.64
Underflow 0
Overflow 0

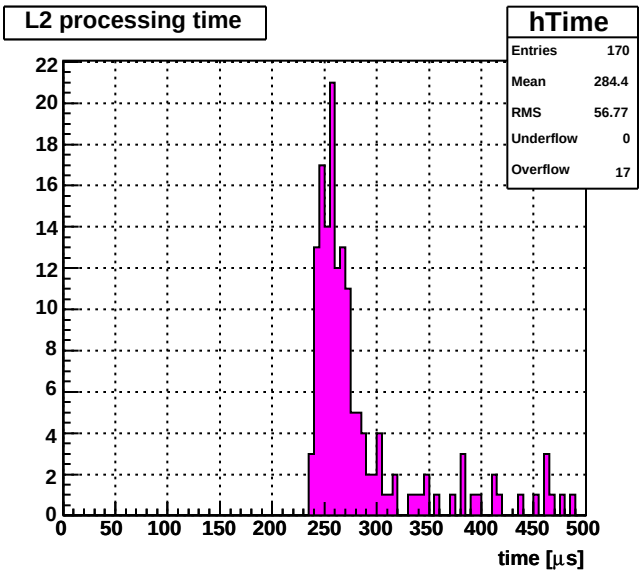

Energy of L0 cluster
hEnergyOfClusterL0
Entries 170
Mean 7.695
RMS 2.29
Underflow 0
Overflow 0
χ² / ndf 30.96 / 30
Constant 4.201 ± 0.581
Slope -0.3576 ± 0.0710
E [GeV]

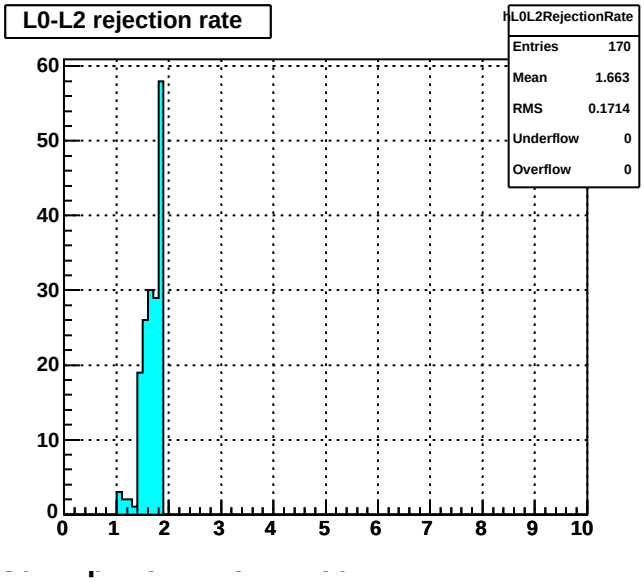

Energy of L2 cluster
hEnergyOfClusterL2
Entries 170
Mean 3.568
RMS 0.5839
Underflow 0
Overflow 0
χ² / ndf 13.61 / 12
Constant 10.08 ± 0.60
Slope -1.979 ± 0.170
E [GeV]

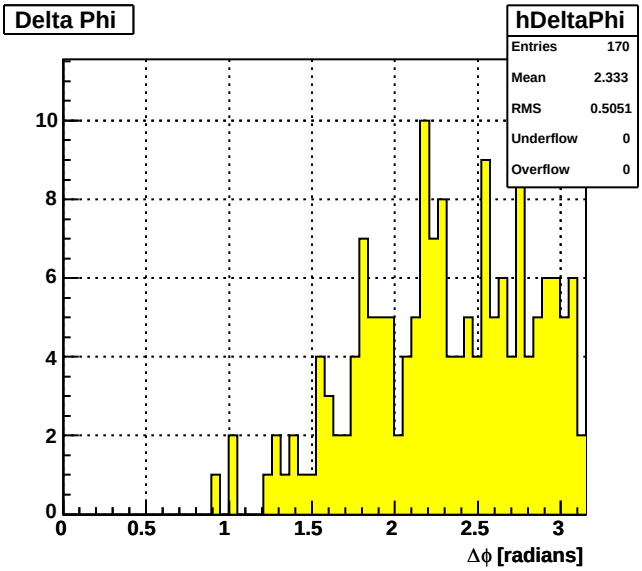

Invariant mass
hInvMass
Entries 170
Mean 8.986
RMS 1.525
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

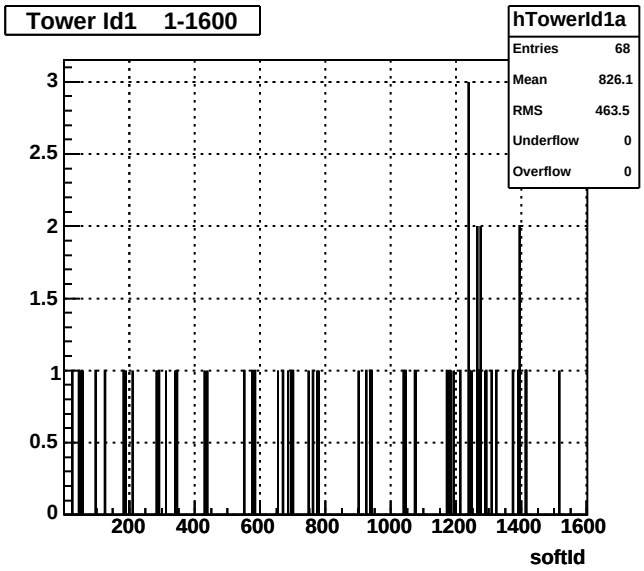

Opening angle
hCosTheta
Entries 170
Mean -0.5294
RMS 0.2739
Underflow 0
Overflow 0
cos θ

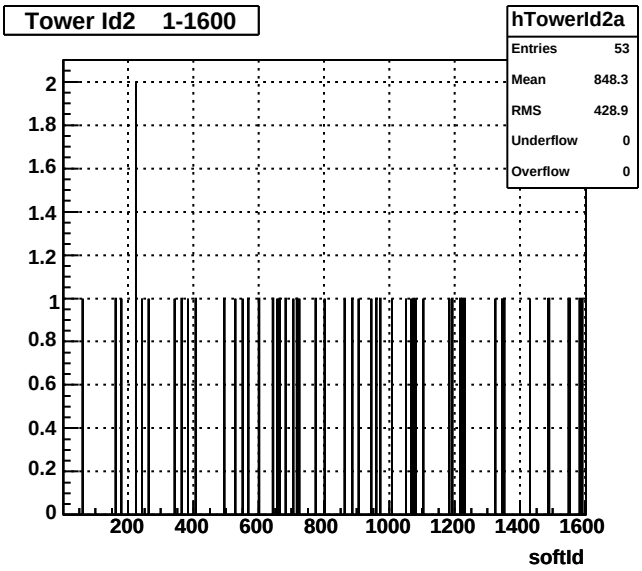

Number of hot towers
number of hot towers
events seen

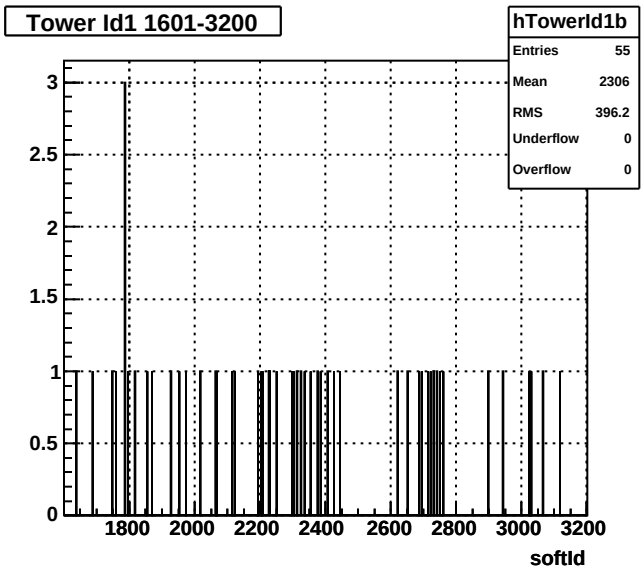

L2 processing time
hTime
Entries 170
Mean 284.4
RMS 56.77
Underflow 0
Overflow 17
time [μs]

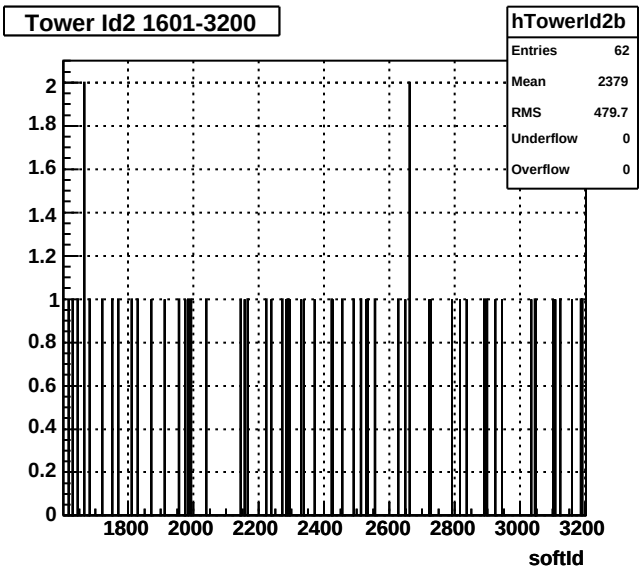

L0-L2 rejection rate
hL0L2RejectionRate
Entries 170
Mean 1.663
RMS 0.1714
Underflow 0
Overflow 0

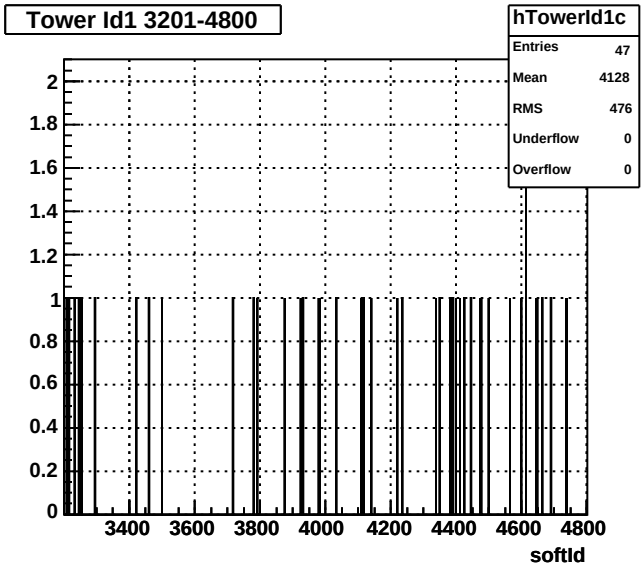

Delta Phi
hDeltaPhi
Entries 170
Mean 2.333
RMS 0.5051
Underflow 0
Overflow 0
Δφ [radians]

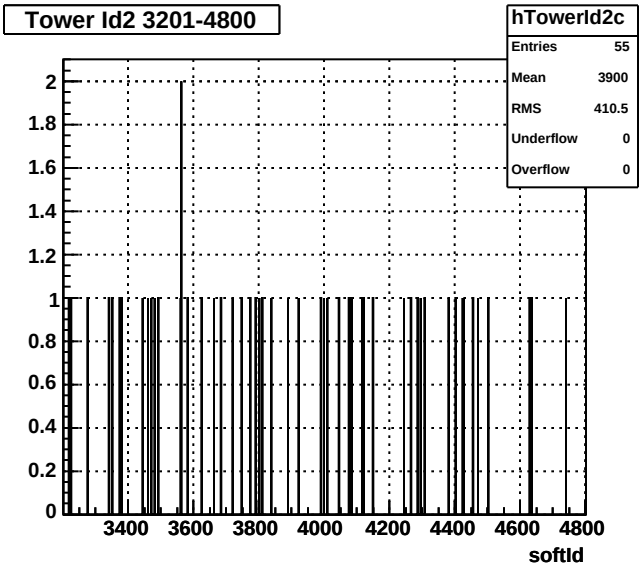

Tower Id1 1-1600
hTowerId1a
Entries 68
Mean 826.1
RMS 463.5
Underflow 0
Overflow 0
softId

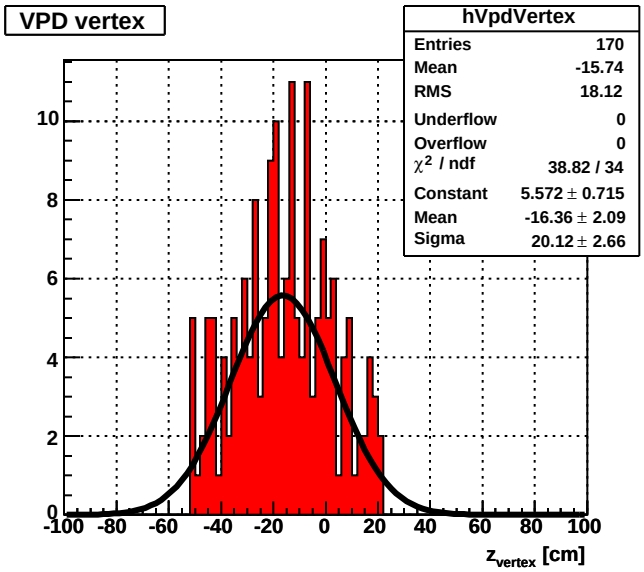

Tower Id2 1-1600
hTowerId2a
Entries 53
Mean 848.3
RMS 428.9
Underflow 0
Overflow 0
softId

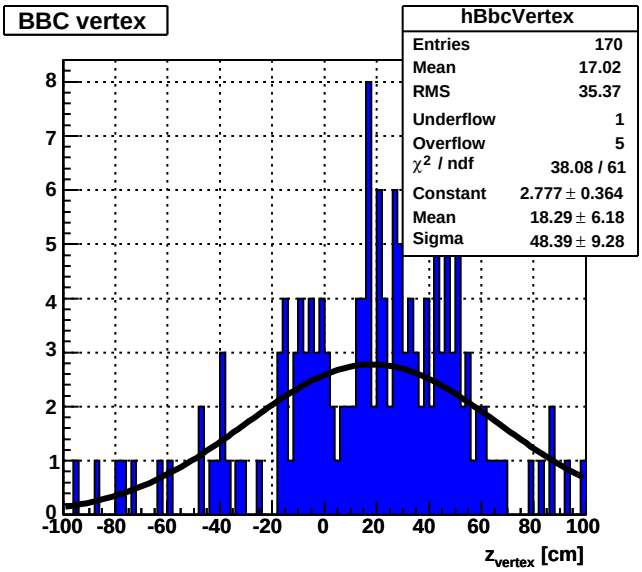

Tower Id1 1601-3200
hTowerId1b
Entries 55
Mean 2306
RMS 396.2
Underflow 0
Overflow 0
softId

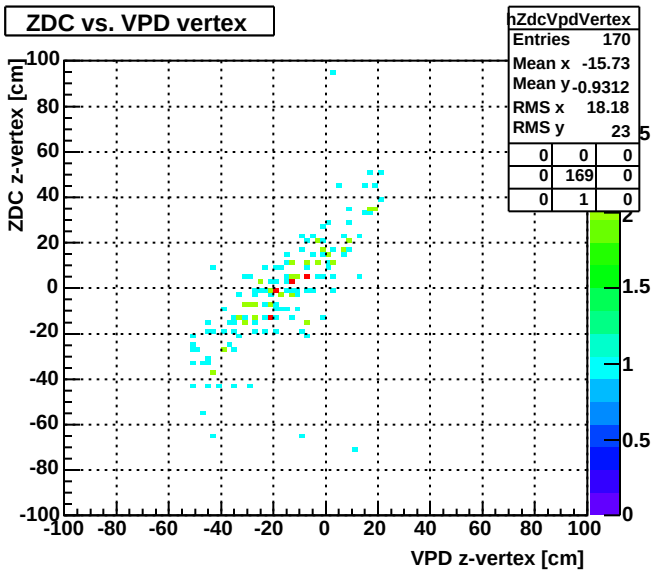

Tower Id2 1601-3200
hTowerId2b
Entries 62
Mean 2379
RMS 479.7
Underflow 0
Overflow 0
softId

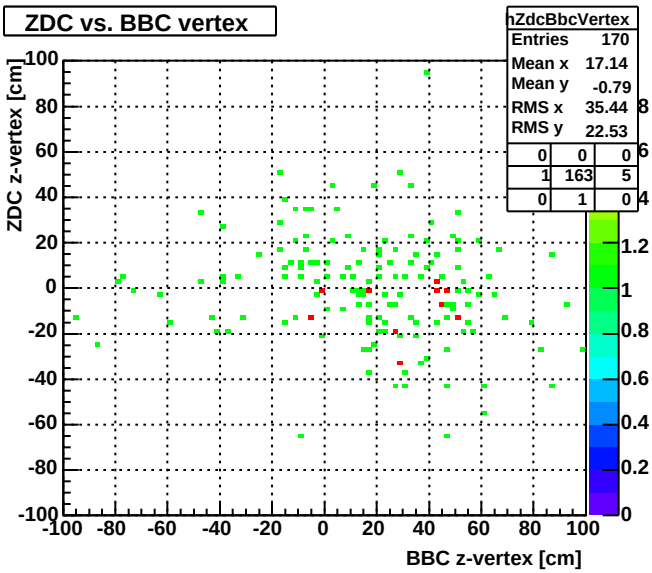

Tower Id1 3201-4800
hTowerId1c
Entries 47
Mean 4128
RMS 476
Underflow 0
Overflow 0
softId

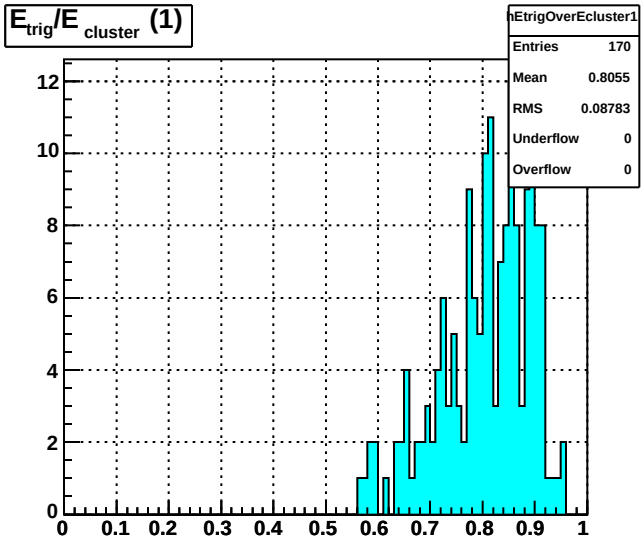

Tower Id2 3201-4800
hTowerId2c
Entries 55
Mean 3900
RMS 410.5
Underflow 0
Overflow 0
softId

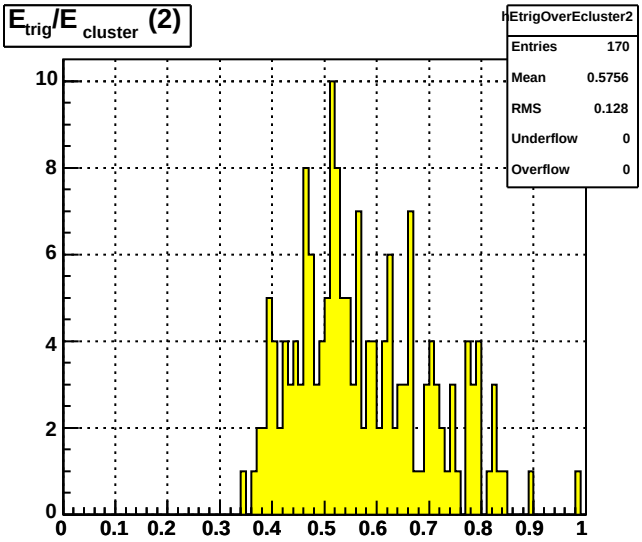

VPD vertex
hVpdVertex
Entries 170
Mean -15.74
RMS 18.12
Underflow 0
Overflow 0
χ² / ndf 38.82 / 34
Constant 5.572 ± 0.715
Mean -16.36 ± 2.09
Sigma 20.12 ± 2.66
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 170
Mean 17.02
RMS 35.37
Underflow 1
Overflow 5
χ² / ndf 38.08 / 61
Constant 2.777 ± 0.364
Mean 18.29 ± 6.18
Sigma 48.39 ± 9.28
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 170
Mean x -15.73
Mean y -0.9312
RMS x 18.18
RMS y 23
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 170
Mean x 17.14
Mean y -0.79
RMS x 35.44
RMS y 22.53
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 170
Mean 0.8055
RMS 0.08783
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 170
Mean 0.5756
RMS 0.128
Underflow 0
Overflow 0