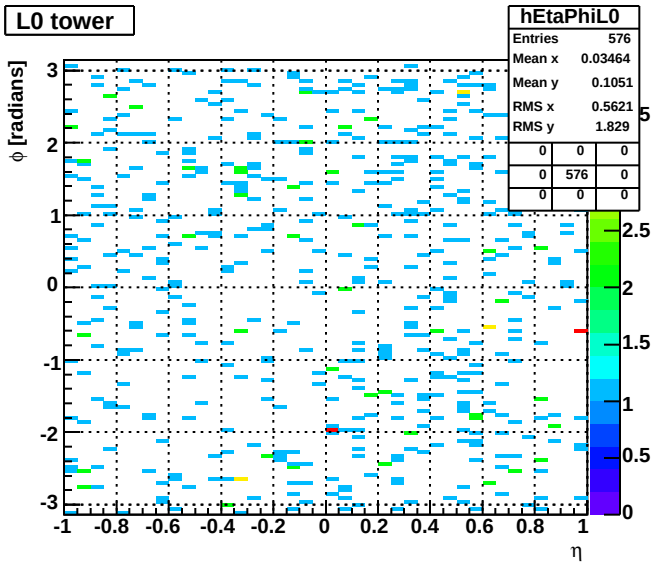
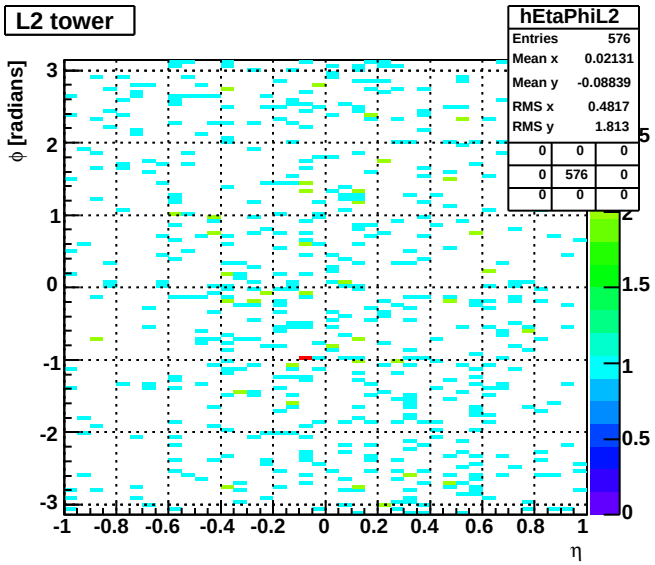
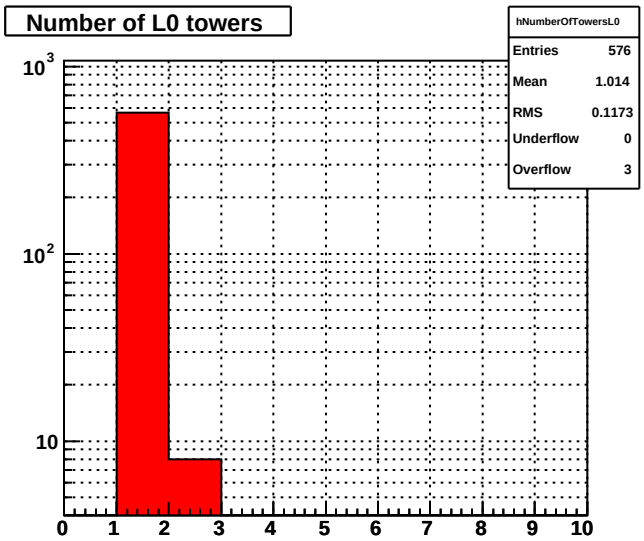
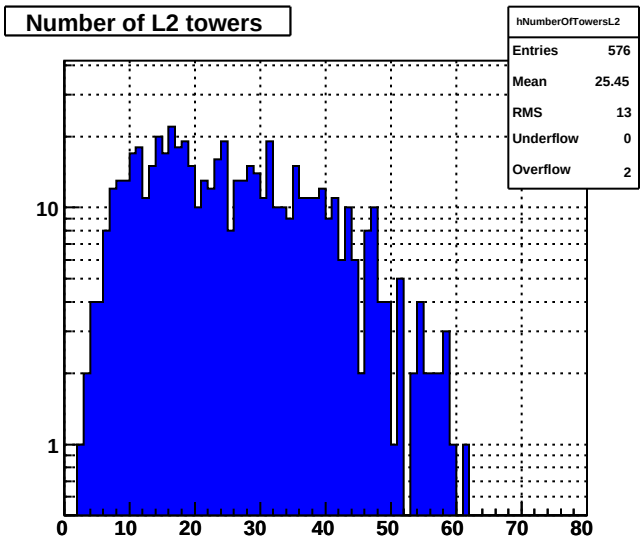
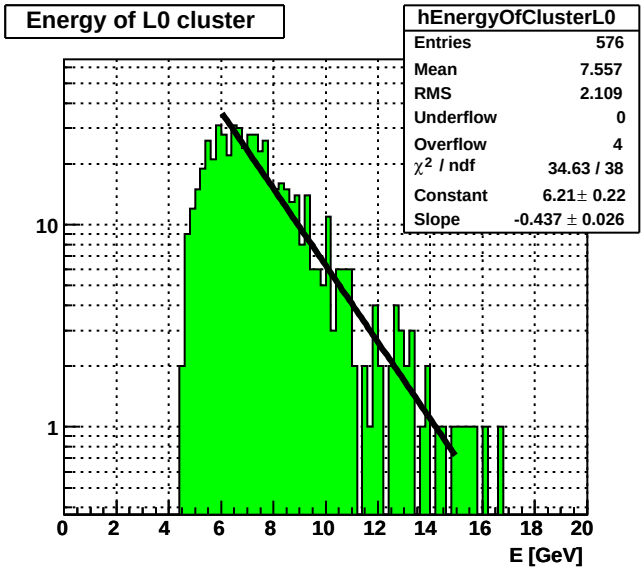
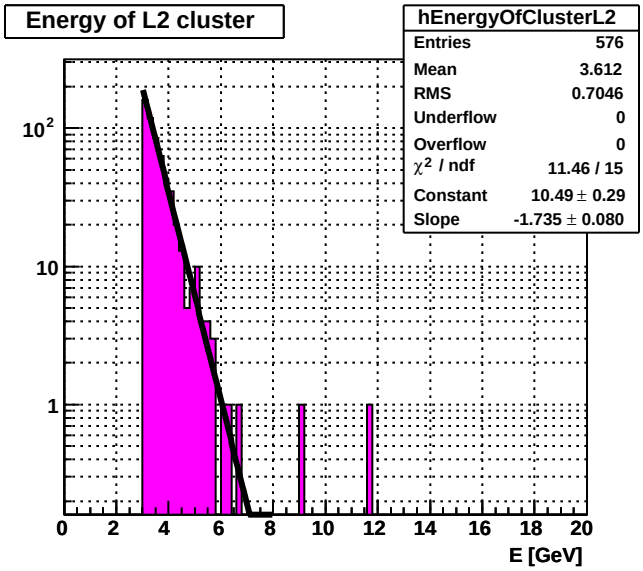

L0 tower
hEtaPhiL0
Entries 576
Mean x 0.03464
Mean y 0.1051
RMS x 0.5621
RMS y 1.829
φ [radians]
η

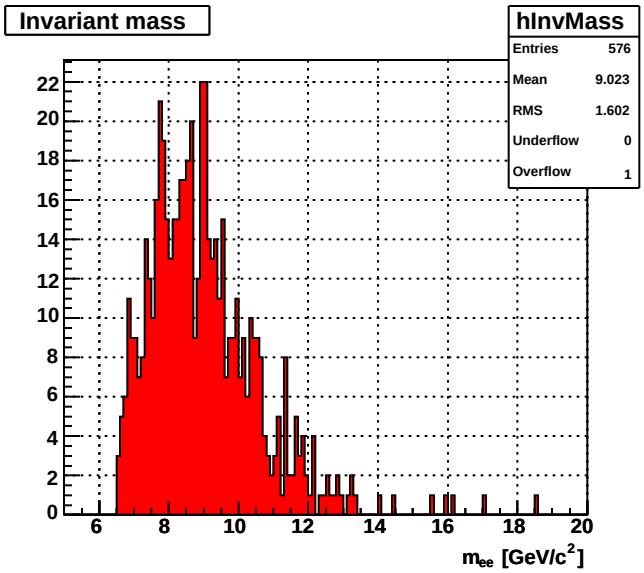

L2 tower
hEtaPhiL2
Entries 576
Mean x 0.02131
Mean y -0.08839
RMS x 0.4817
RMS y 1.813
φ [radians]
η

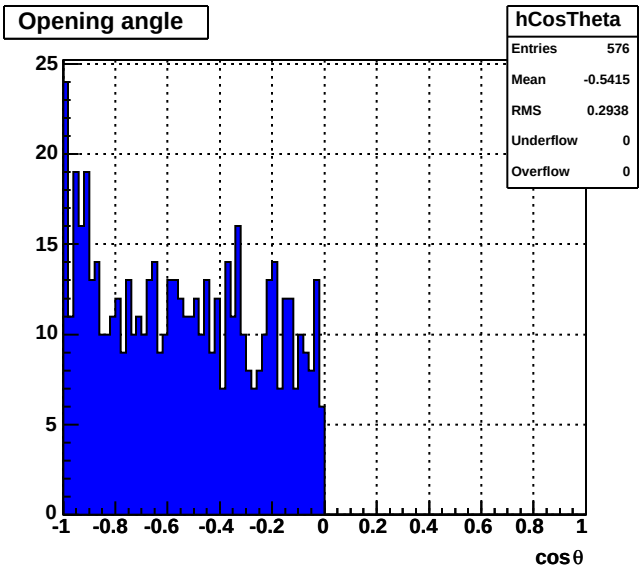

Number of L0 towers
hNumberOfTowersL0
Entries 576
Mean 1.014
RMS 0.1173
Underflow 0
Overflow 3

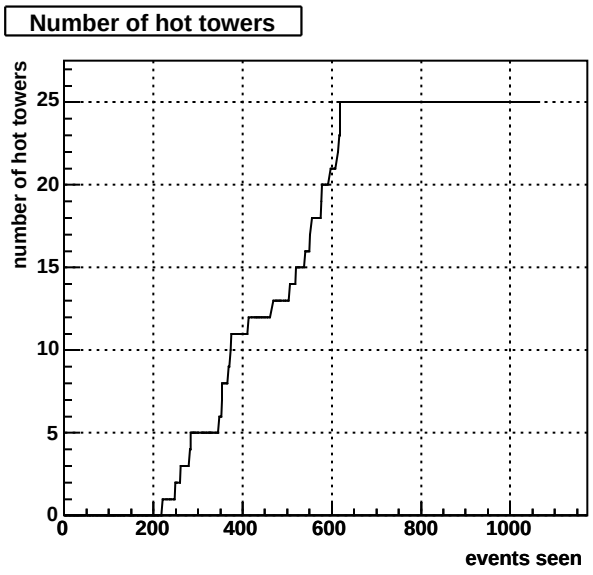

Number of L2 towers
hNumberOfTowersL2
Entries 576
Mean 25.45
RMS 13
Underflow 0
Overflow 2

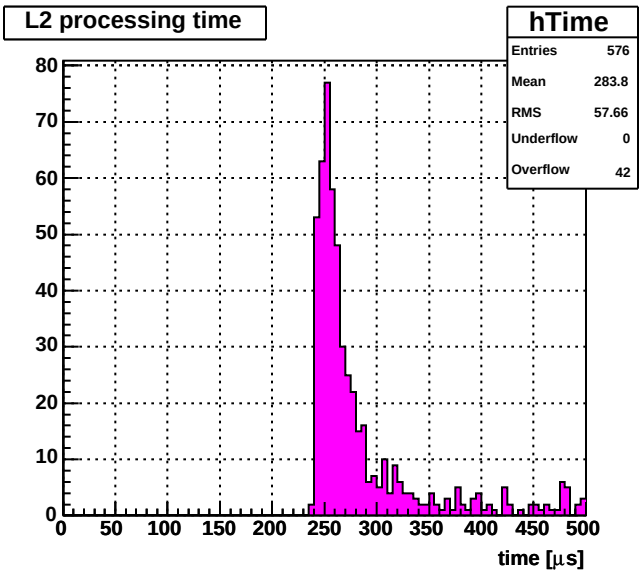

Energy of L0 cluster
hEnergyOfClusterL0
Entries 576
Mean 7.557
RMS 2.109
Underflow 0
Overflow 4
χ² / ndf 34.63 / 38
Constant 6.21 ± 0.22
Slope -0.437 ± 0.026
E [GeV]

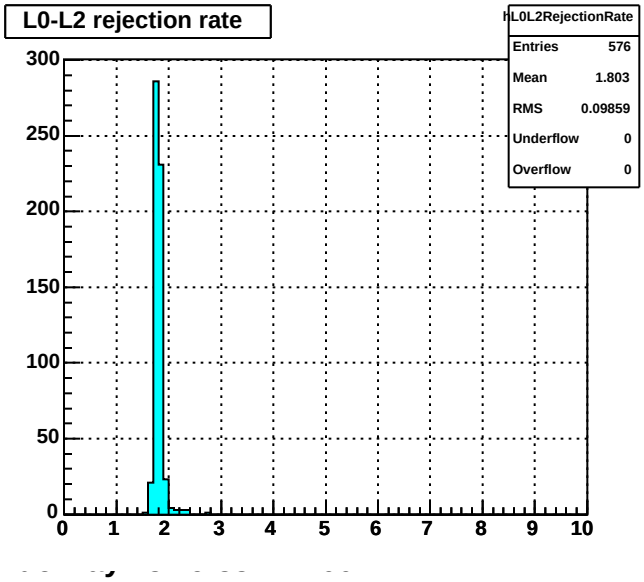

Energy of L2 cluster
hEnergyOfClusterL2
Entries 576
Mean 3.612
RMS 0.7046
Underflow 0
Overflow 0
χ² / ndf 11.46 / 15
Constant 10.49 ± 0.29
Slope -1.735 ± 0.080
E [GeV]

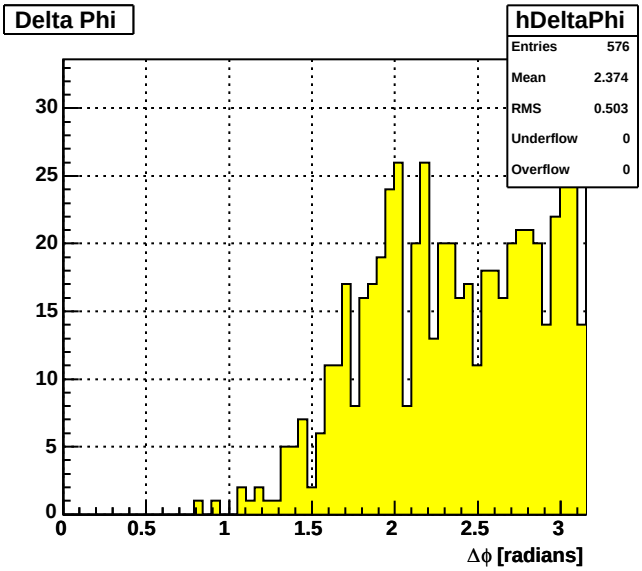

Invariant mass
hInvMass
Entries 576
Mean 9.023
RMS 1.602
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

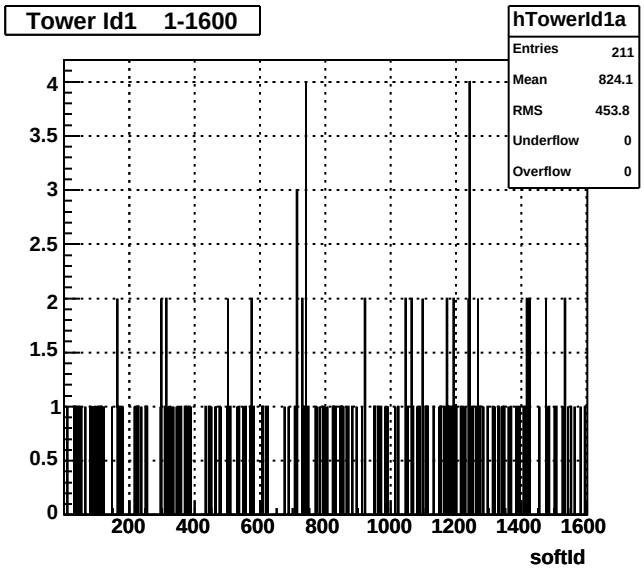

Opening angle
hCosTheta
Entries 576
Mean -0.5415
RMS 0.2938
Underflow 0
Overflow 0
cos θ

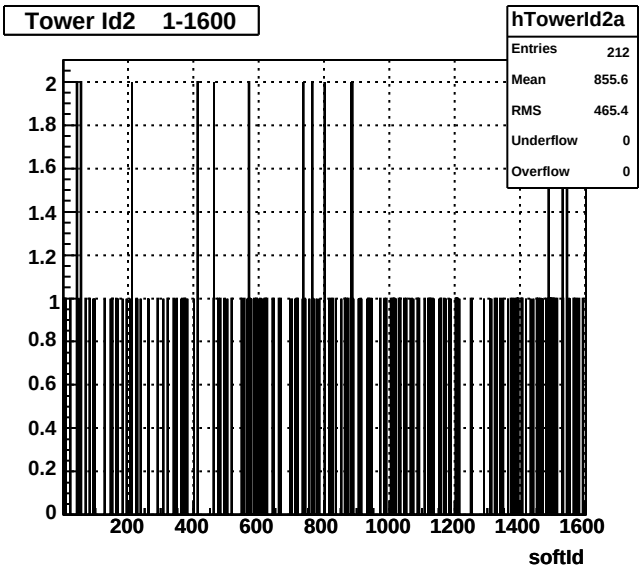

Number of hot towers
number of hot towers
events seen

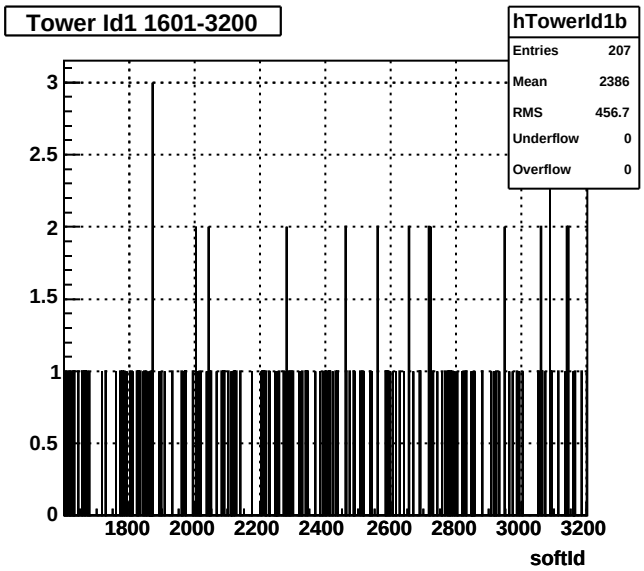

L2 processing time
hTime
Entries 576
Mean 283.8
RMS 57.66
Underflow 0
Overflow 42
time [μs]

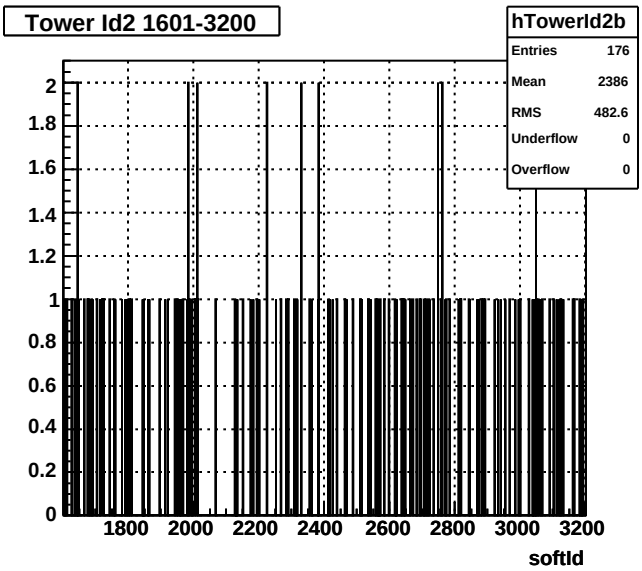

L0-L2 rejection rate
hL0L2RejectionRate
Entries 576
Mean 1.803
RMS 0.09859
Underflow 0
Overflow 0

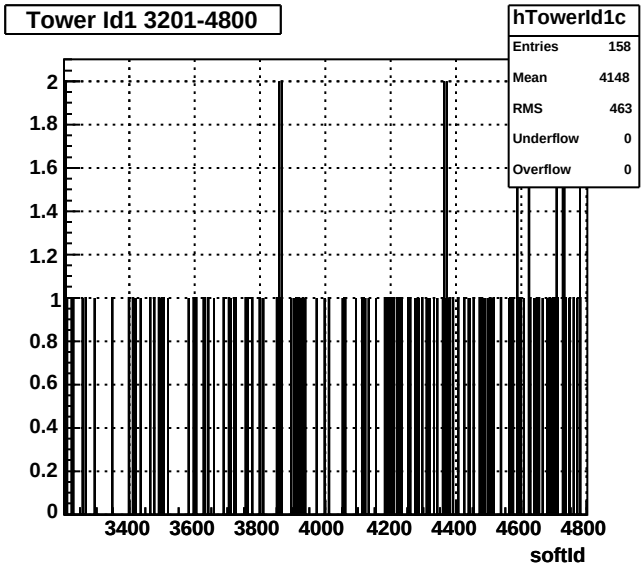

Delta Phi
hDeltaPhi
Entries 576
Mean 2.374
RMS 0.503
Underflow 0
Overflow 0
Δφ [radians]

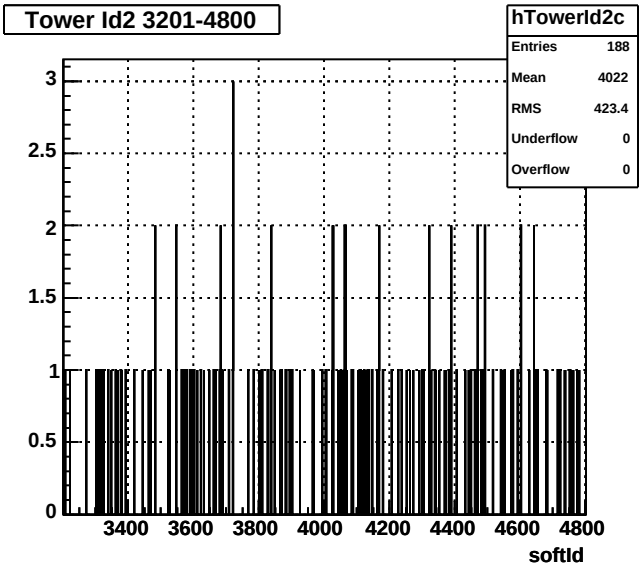

Tower Id1 1-1600
hTowerId1a
Entries 211
Mean 824.1
RMS 453.8
Underflow 0
Overflow 0
softId

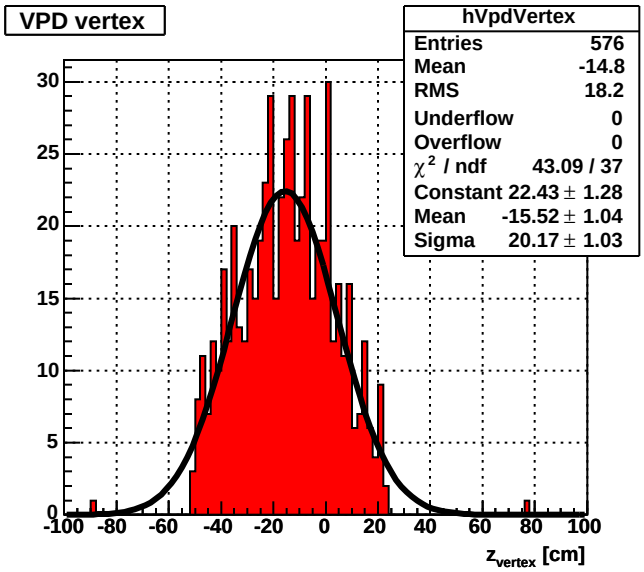

Tower Id2 1-1600
hTowerId2a
Entries 212
Mean 855.6
RMS 465.4
Underflow 0
Overflow 0
softId

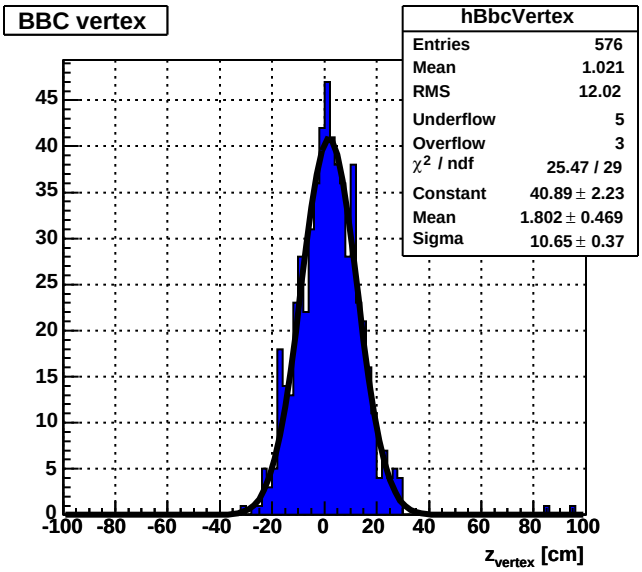

Tower Id1 1601-3200
hTowerId1b
Entries 207
Mean 2386
RMS 456.7
Underflow 0
Overflow 0
softId

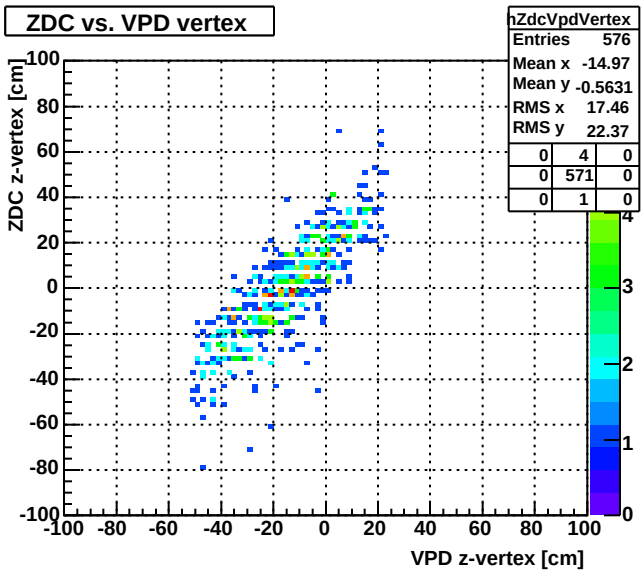

Tower Id2 1601-3200
hTowerId2b
Entries 176
Mean 2386
RMS 482.6
Underflow 0
Overflow 0
softId

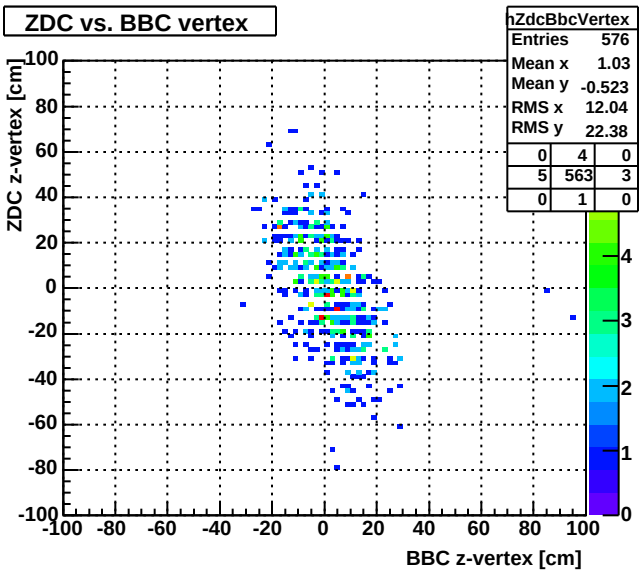

Tower Id1 3201-4800
hTowerId1c
Entries 158
Mean 4148
RMS 463
Underflow 0
Overflow 0
softId

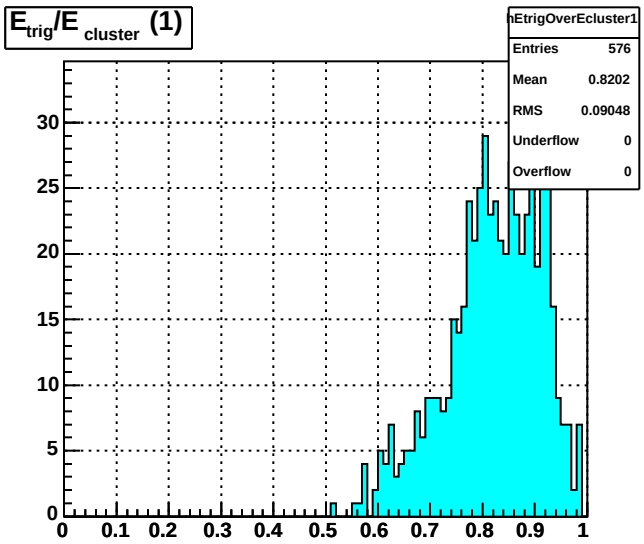

Tower Id2 3201-4800
hTowerId2c
Entries 188
Mean 4022
RMS 423.4
Underflow 0
Overflow 0
softId

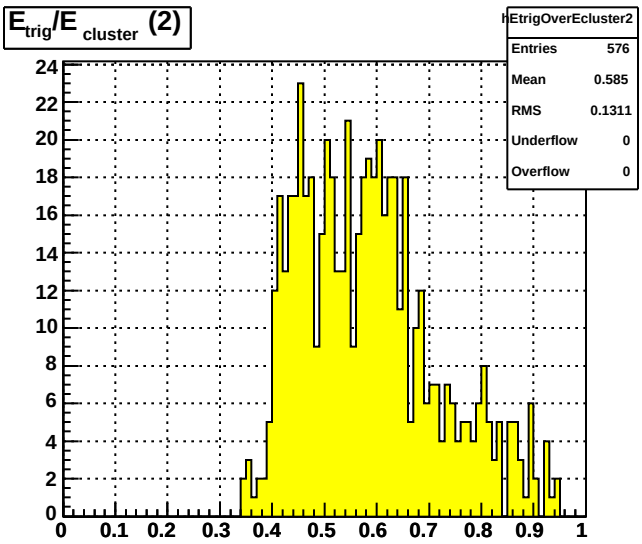

VPD vertex
hVpdVertex
Entries 576
Mean -14.8
RMS 18.2
Underflow 0
Overflow 0
χ² / ndf 43.09 / 37
Constant 22.43 ± 1.28
Mean -15.52 ± 1.04
Sigma 20.17 ± 1.03
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 576
Mean 1.021
RMS 12.02
Underflow 5
Overflow 3
χ² / ndf 25.47 / 29
Constant 40.89 ± 2.23
Mean 1.802 ± 0.469
Sigma 10.65 ± 0.37
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 576
Mean x -14.97
Mean y -0.5631
RMS x 17.46
RMS y 22.37
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 576
Mean x 1.03
Mean y -0.523
RMS x 12.04
RMS y 22.38
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 576
Mean 0.8202
RMS 0.09048
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 576
Mean 0.585
RMS 0.1311
Underflow 0
Overflow 0