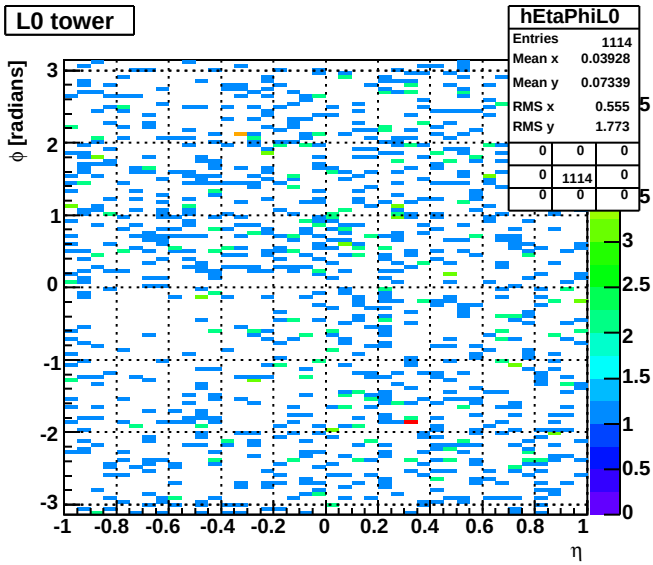
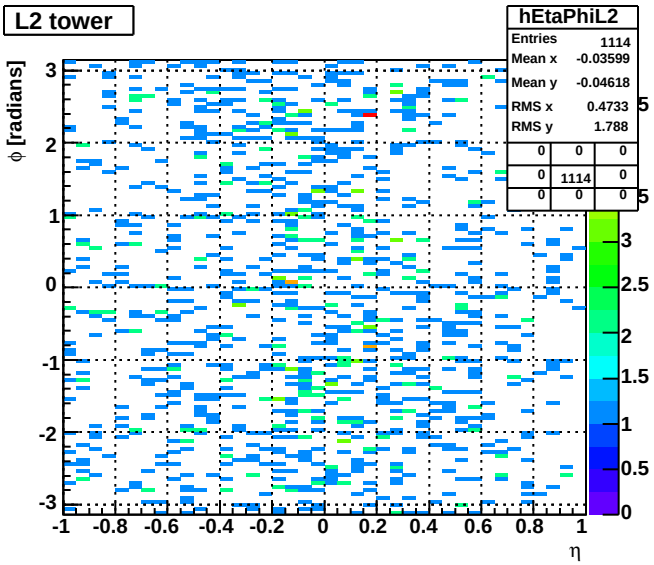
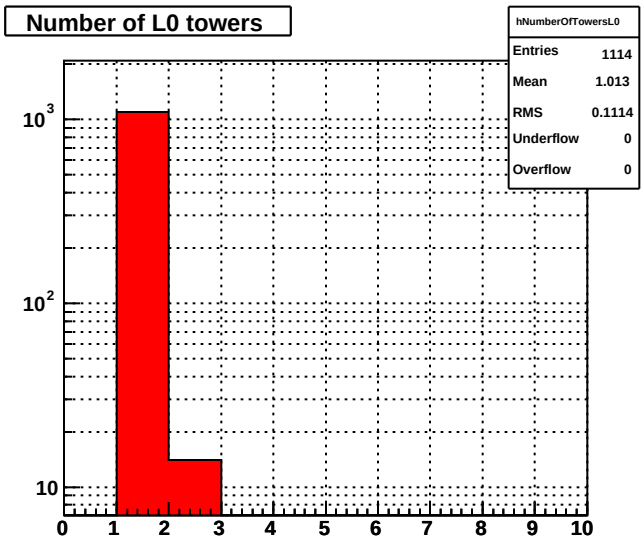
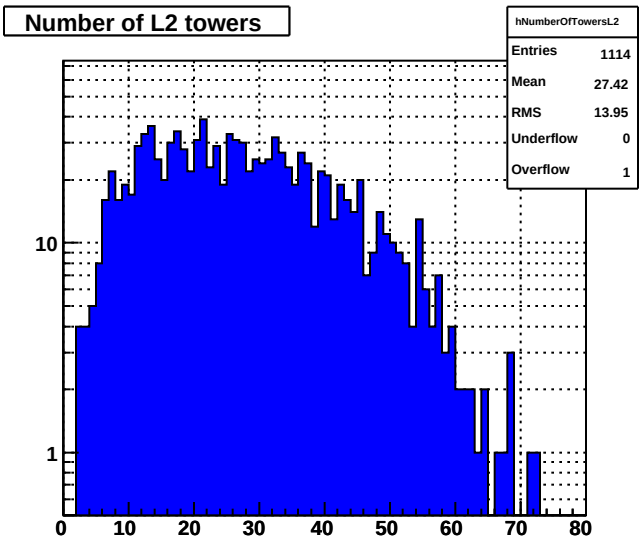
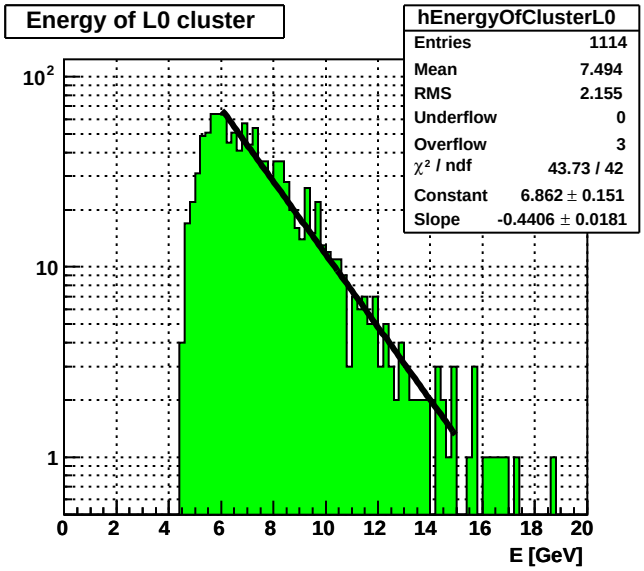
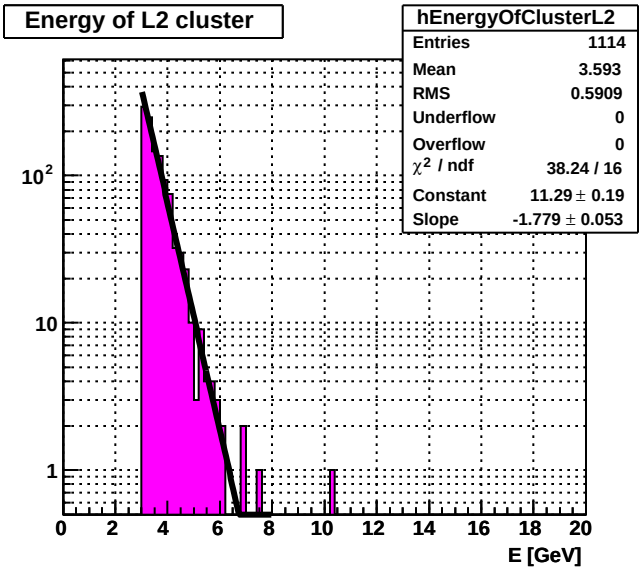

L0 tower
hEtaPhiL0
Entries 1114
Mean x 0.03928
Mean y 0.07339
RMS x 0.555
RMS y 1.773
φ [radians]
η

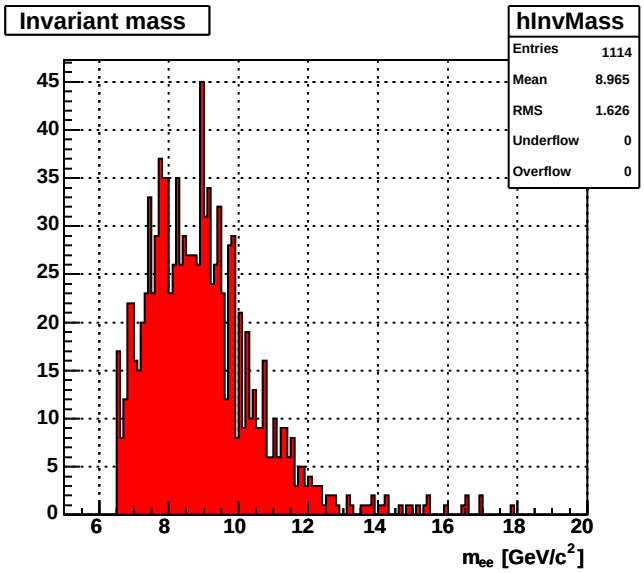

L2 tower
hEtaPhiL2
Entries 1114
Mean x -0.03599
Mean y -0.04618
RMS x 0.4733
RMS y 1.788
φ [radians]
η

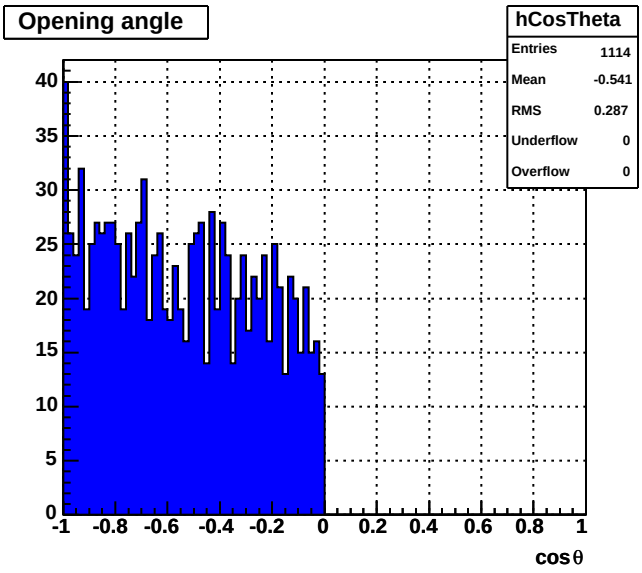

Number of L0 towers
hNumberOfTowersL0
Entries 1114
Mean 1.013
RMS 0.1114
Underflow 0
Overflow 0

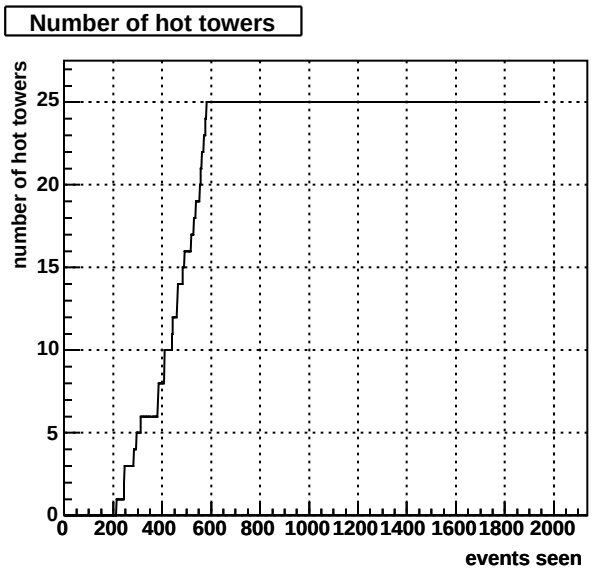

Number of L2 towers
hNumberOfTowersL2
Entries 1114
Mean 27.42
RMS 13.95
Underflow 0
Overflow 1

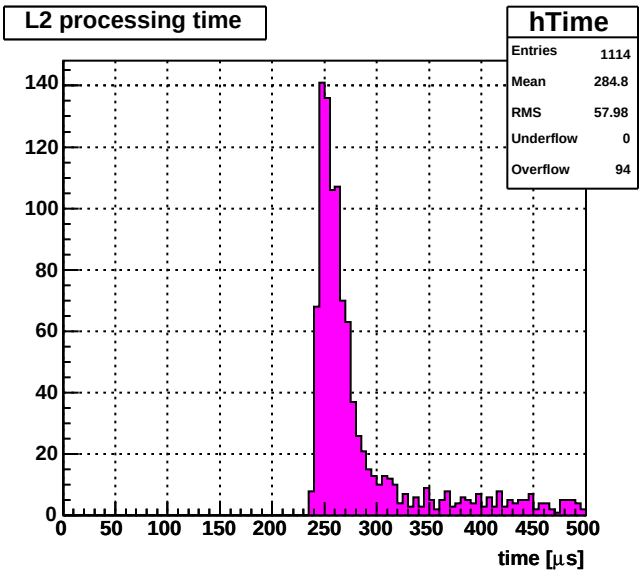

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1114
Mean 7.494
RMS 2.155
Underflow 0
Overflow 3
χ² / ndf 43.73 / 42
Constant 6.862 ± 0.151
Slope -0.4406 ± 0.0181
E [GeV]

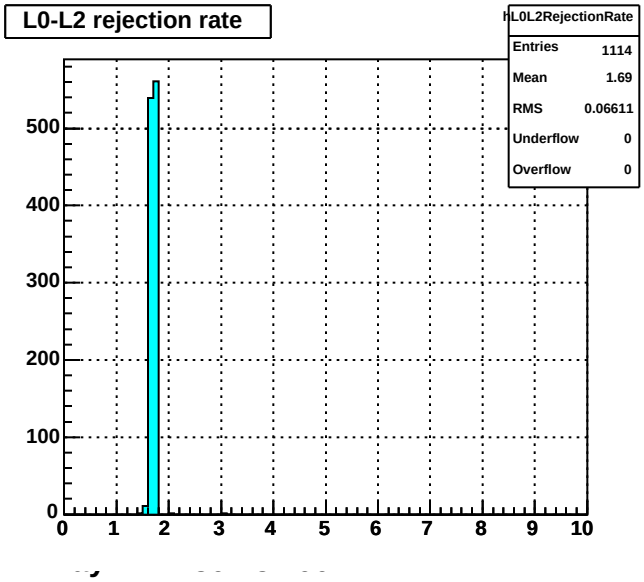

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1114
Mean 3.593
RMS 0.5909
Underflow 0
Overflow 0
χ² / ndf 38.24 / 16
Constant 11.29 ± 0.19
Slope -1.779 ± 0.053
E [GeV]

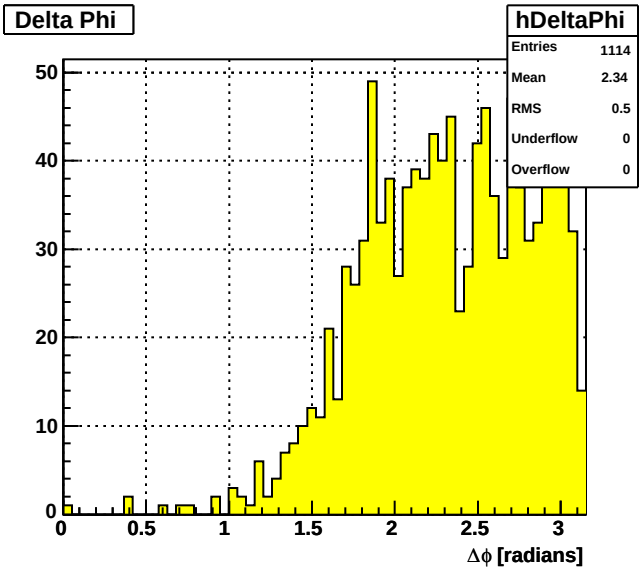

Invariant mass
hInvMass
Entries 1114
Mean 8.965
RMS 1.626
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

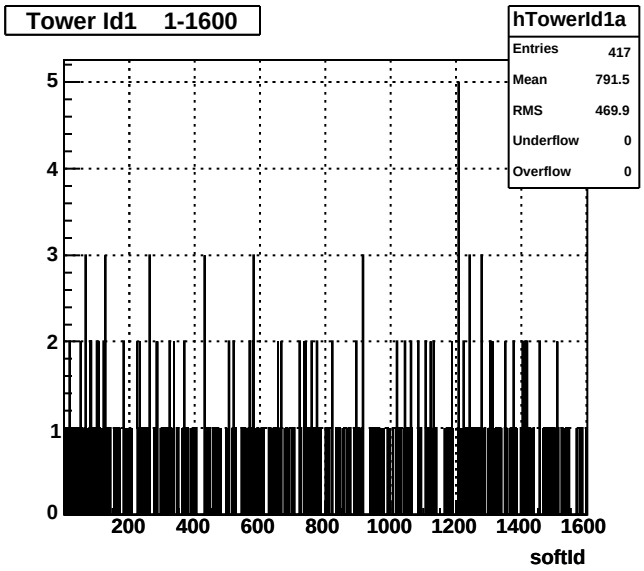

Opening angle
hCosTheta
Entries 1114
Mean -0.541
RMS 0.287
Underflow 0
Overflow 0
cos θ

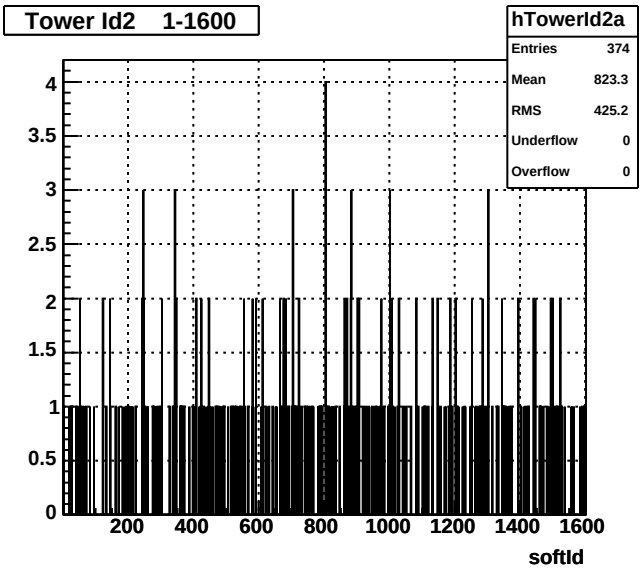

Number of hot towers
number of hot towers
events seen

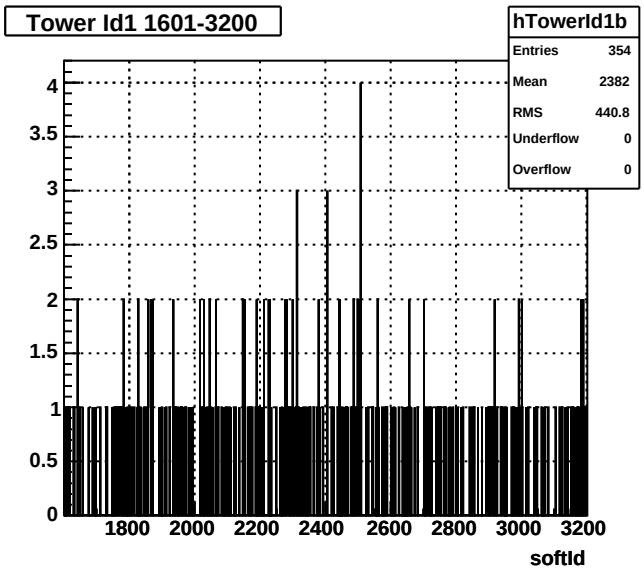

L2 processing time
hTime
Entries 1114
Mean 284.8
RMS 57.98
Underflow 0
Overflow 94
time [μs]

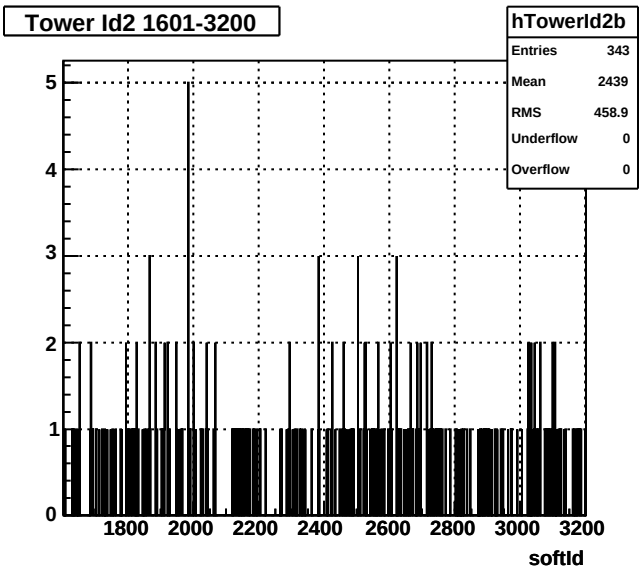

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1114
Mean 1.69
RMS 0.06611
Underflow 0
Overflow 0

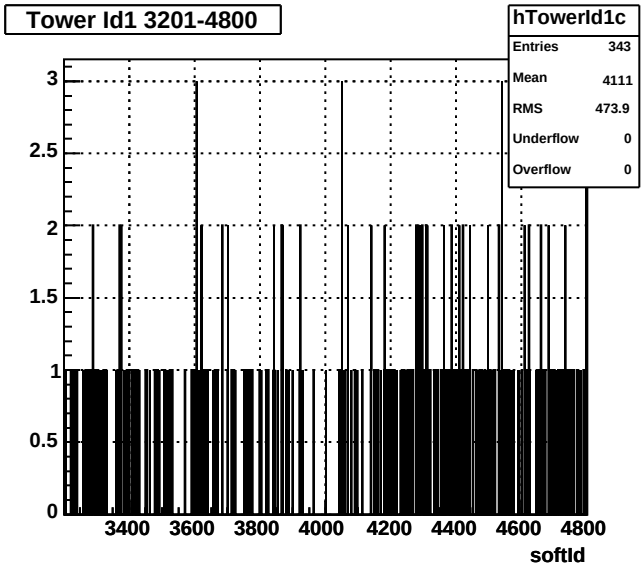

Delta Phi
hDeltaPhi
Entries 1114
Mean 2.34
RMS 0.5
Underflow 0
Overflow 0
Δφ [radians]

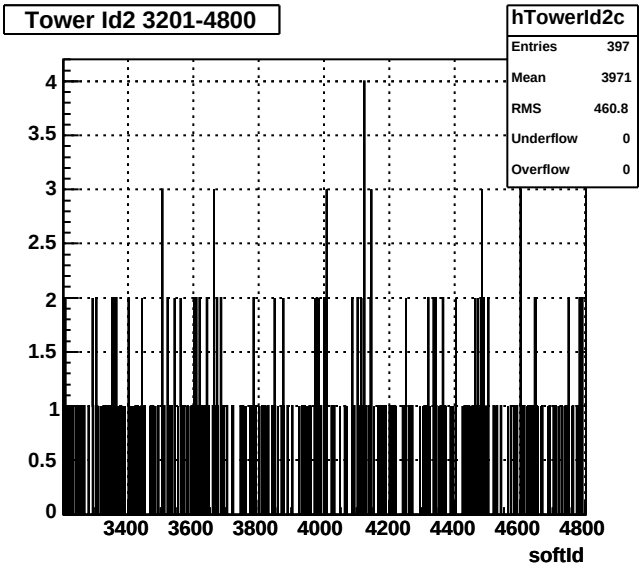

Tower Id1 1-1600
hTowerId1a
Entries 417
Mean 791.5
RMS 469.9
Underflow 0
Overflow 0
softId

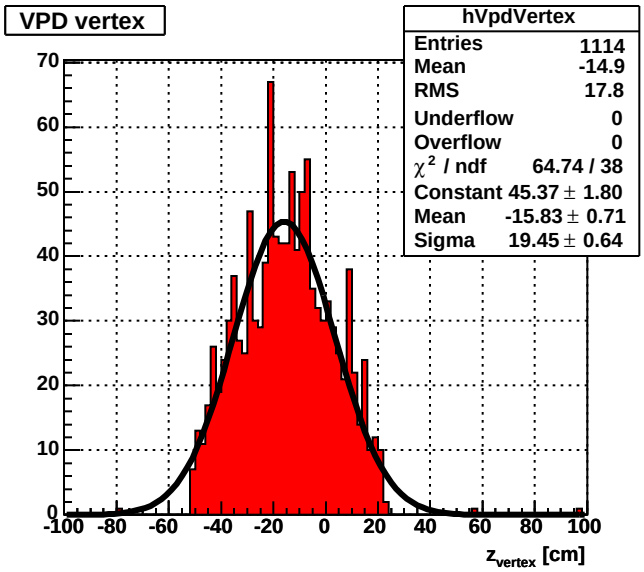

Tower Id2 1-1600
hTowerId2a
Entries 374
Mean 823.3
RMS 425.2
Underflow 0
Overflow 0
softId

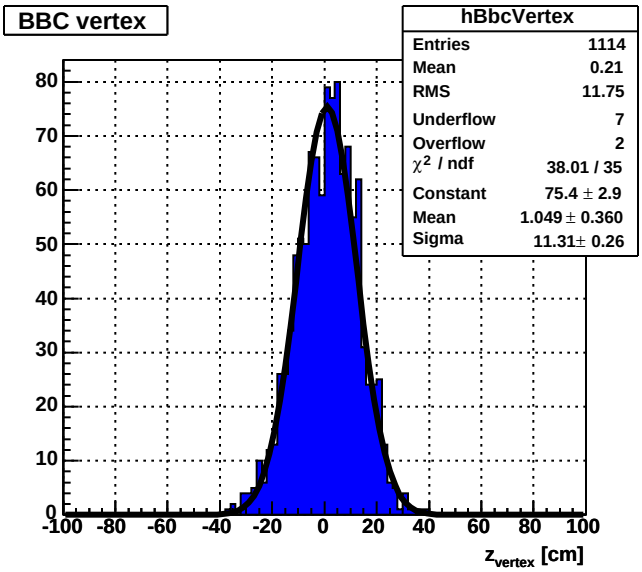

Tower Id1 1601-3200
hTowerId1b
Entries 354
Mean 2382
RMS 440.8
Underflow 0
Overflow 0
softId

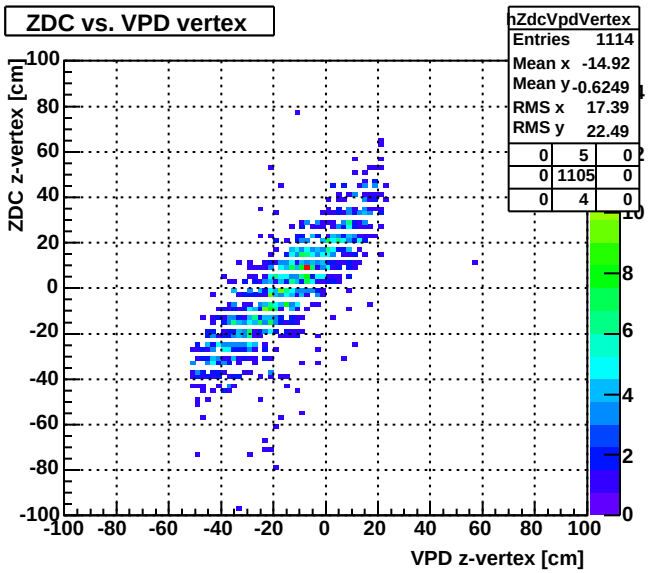

Tower Id2 1601-3200
hTowerId2b
Entries 343
Mean 2439
RMS 458.9
Underflow 0
Overflow 0
softId

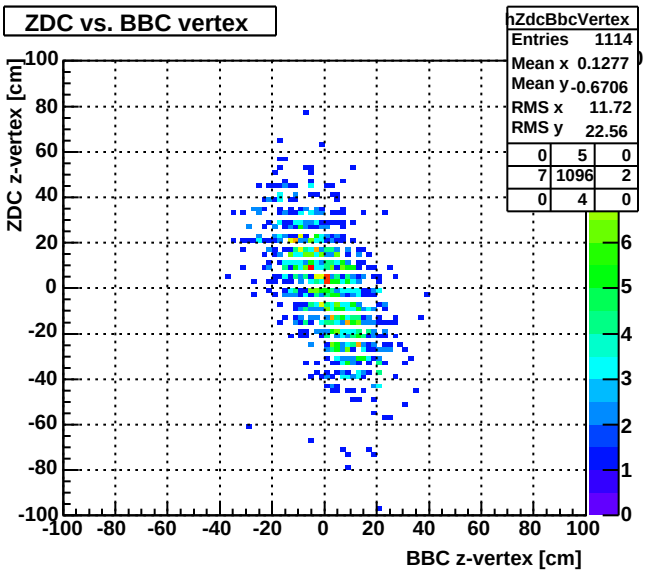

Tower Id1 3201-4800
hTowerId1c
Entries 343
Mean 4111
RMS 473.9
Underflow 0
Overflow 0
softId

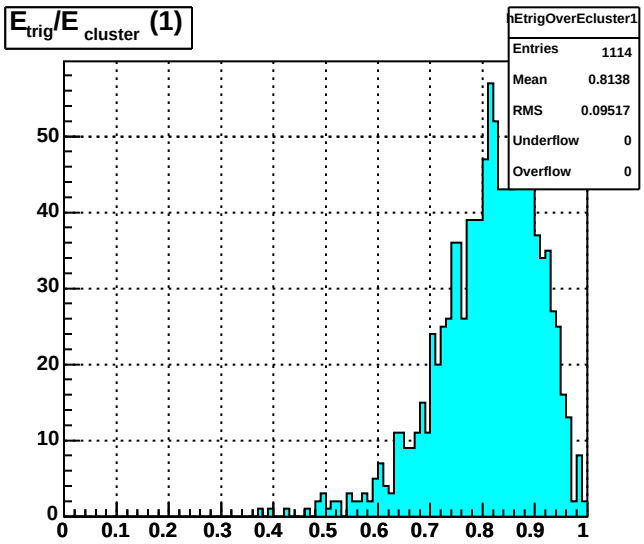

Tower Id2 3201-4800
hTowerId2c
Entries 397
Mean 3971
RMS 460.8
Underflow 0
Overflow 0
softId

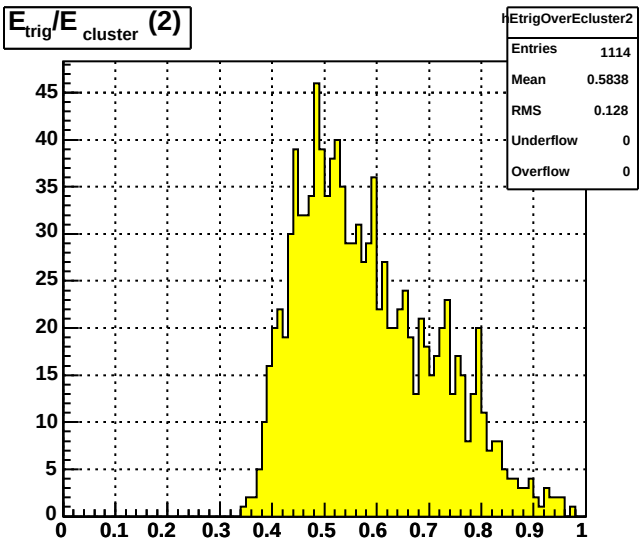

VPD vertex
hVpdVertex
Entries 1114
Mean -14.9
RMS 17.8
Underflow 0
Overflow 0
χ² / ndf 64.74 / 38
Constant 45.37 ± 1.80
Mean -15.83 ± 0.71
Sigma 19.45 ± 0.64
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1114
Mean 0.21
RMS 11.75
Underflow 7
Overflow 2
χ² / ndf 38.01 / 35
Constant 75.4 ± 2.9
Mean 1.049 ± 0.360
Sigma 11.31 ± 0.26
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1114
Mean x -14.92
Mean y -0.6249
RMS x 17.39
RMS y 22.49
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1114
Mean x 0.1277
Mean y -0.6706
RMS x 11.72
RMS y 22.56
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1114
Mean 0.8138
RMS 0.09517
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1114
Mean 0.5838
RMS 0.128
Underflow 0
Overflow 0