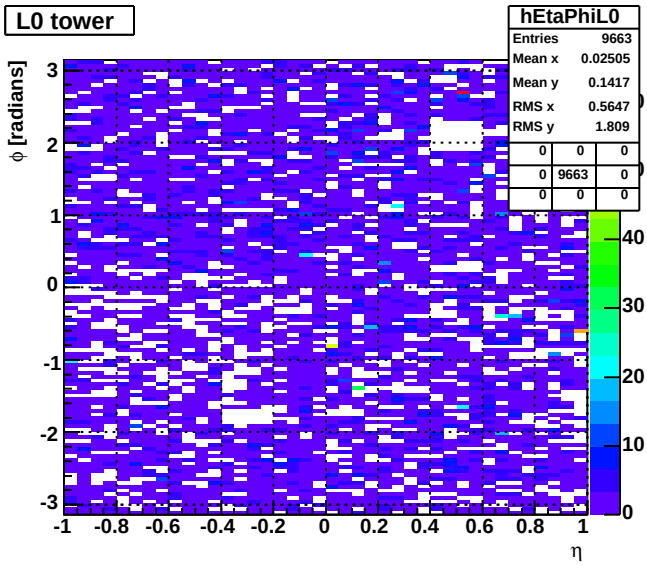
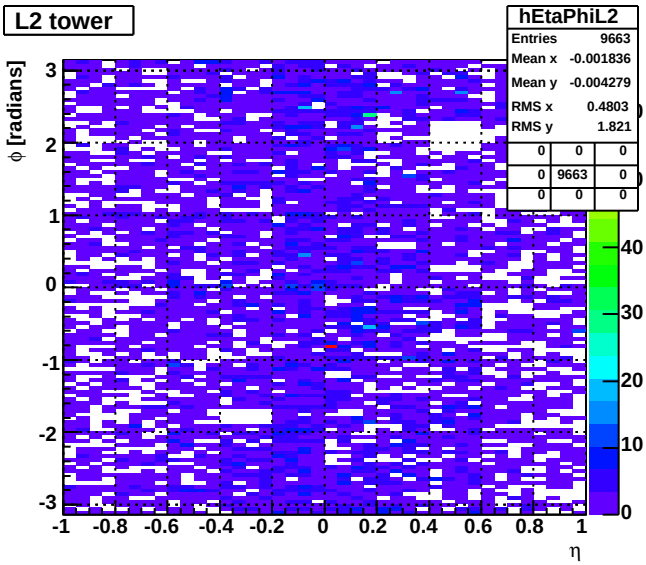
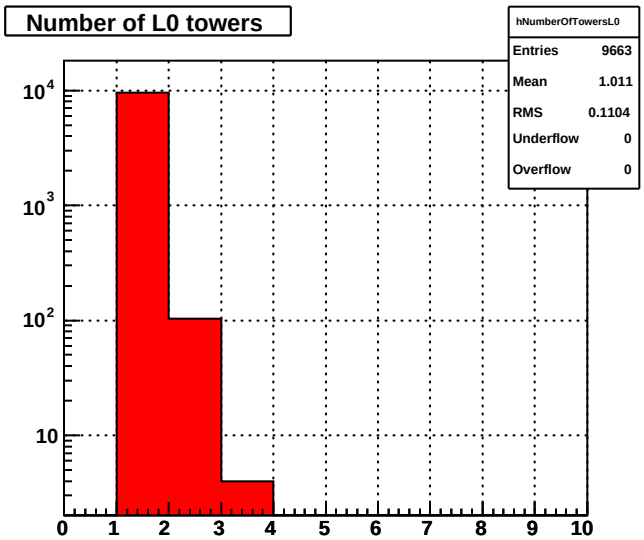
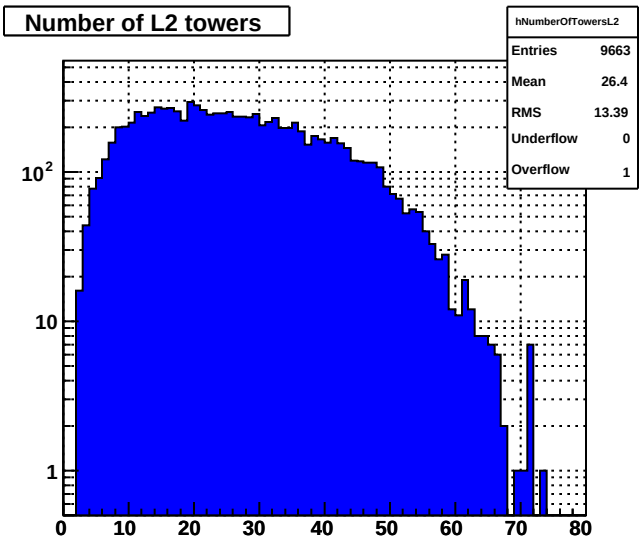
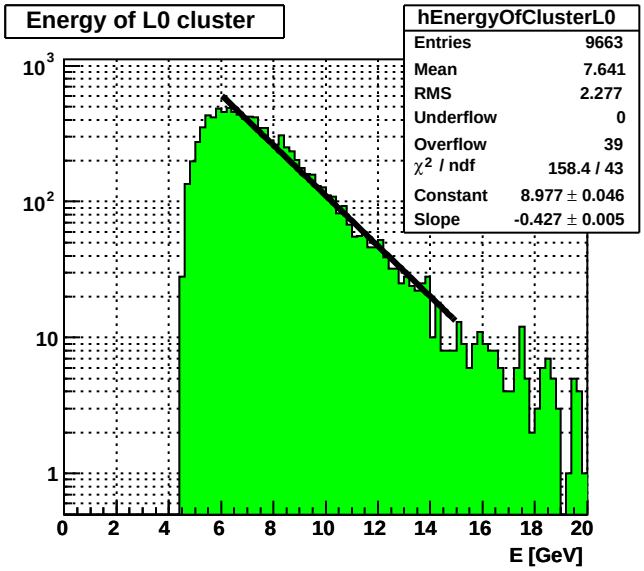
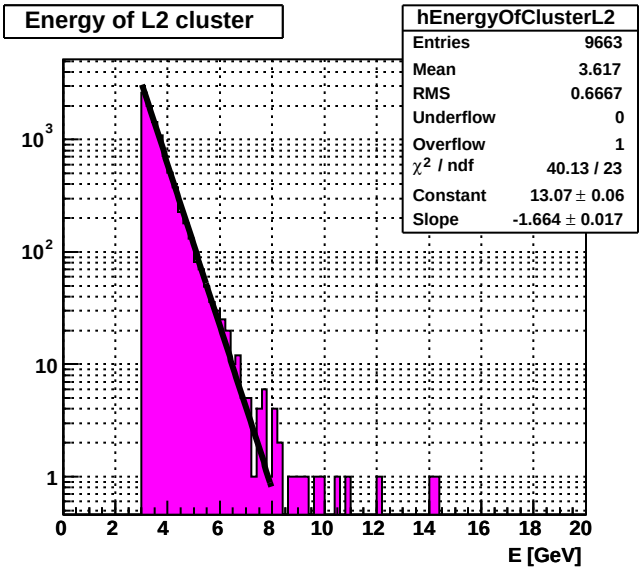

L0 tower
hEtaPhiL0
Entries 9663
Mean x 0.02505
Mean y 0.1417
RMS x 0.5647
RMS y 1.809
φ [radians]
η

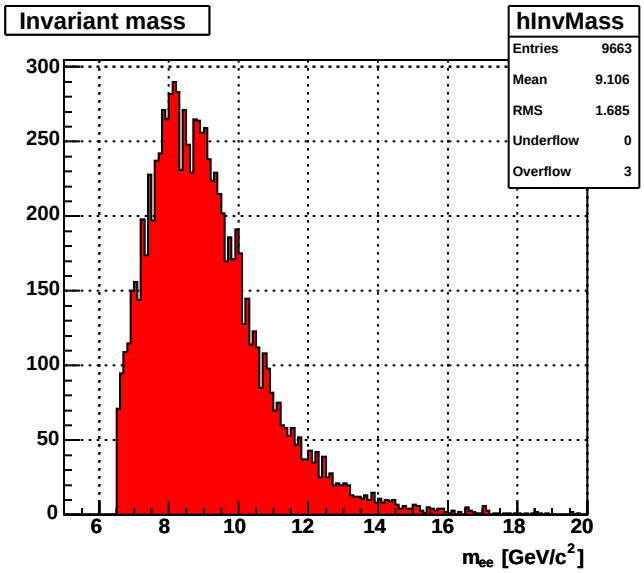

L2 tower
hEtaPhiL2
Entries 9663
Mean x -0.001836
Mean y -0.004279
RMS x 0.4803
RMS y 1.821
φ [radians]
η

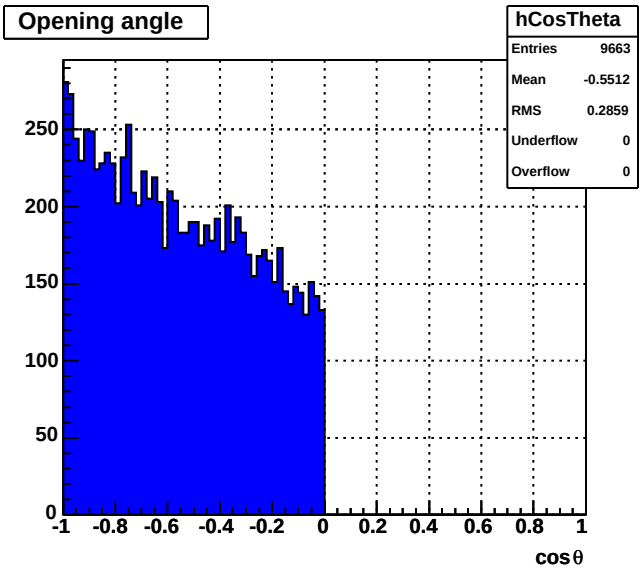

Number of L0 towers
hNumberOfTowersL0
Entries 9663
Mean 1.011
RMS 0.1104
Underflow 0
Overflow 0

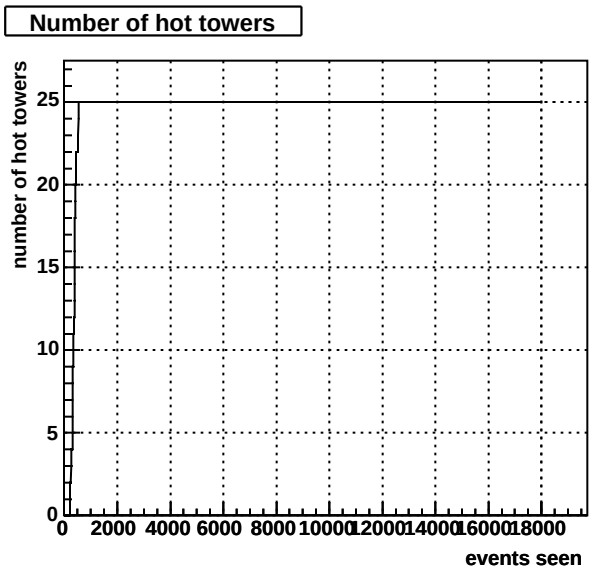

Number of L2 towers
hNumberOfTowersL2
Entries 9663
Mean 26.4
RMS 13.39
Underflow 0
Overflow 1

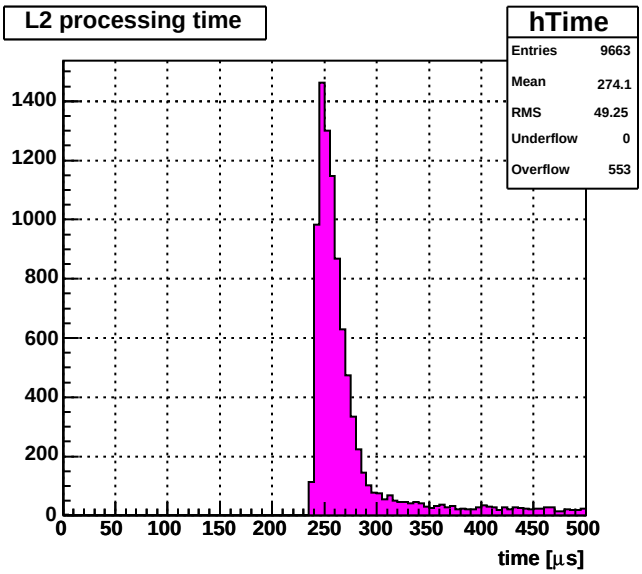

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9663
Mean 7.641
RMS 2.277
Underflow 0
Overflow 39
χ² / ndf 158.4 / 43
Constant 8.977 ± 0.046
Slope -0.427 ± 0.005
E [GeV]

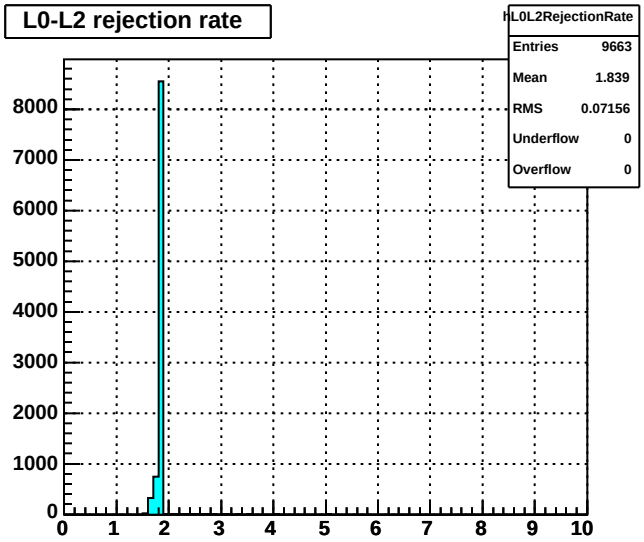

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9663
Mean 3.617
RMS 0.6667
Underflow 0
Overflow 1
χ² / ndf 40.13 / 23
Constant 13.07 ± 0.06
Slope -1.664 ± 0.017
E [GeV]

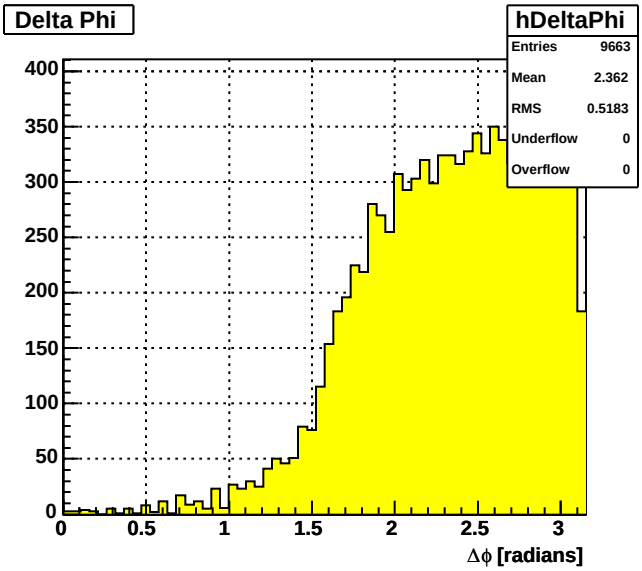

Invariant mass
hInvMass
Entries 9663
Mean 9.106
RMS 1.685
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

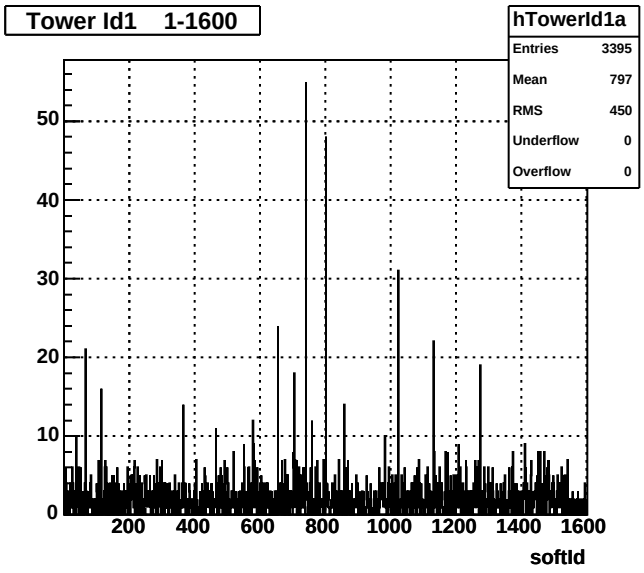

Opening angle
hCosTheta
Entries 9663
Mean -0.5512
RMS 0.2859
Underflow 0
Overflow 0
cos θ

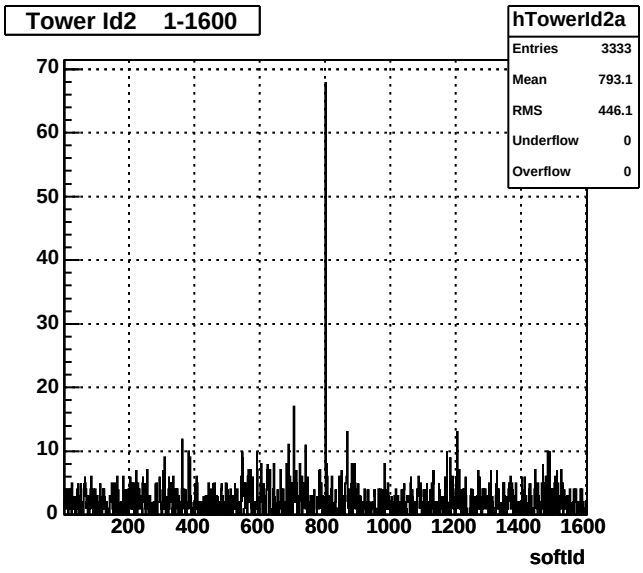

Number of hot towers
number of hot towers
events seen

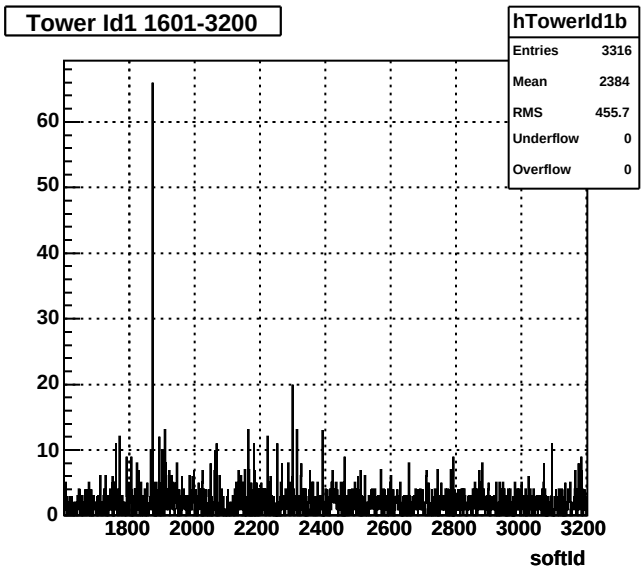

L2 processing time
hTime
Entries 9663
Mean 274.1
RMS 49.25
Underflow 0
Overflow 553
time [μs]

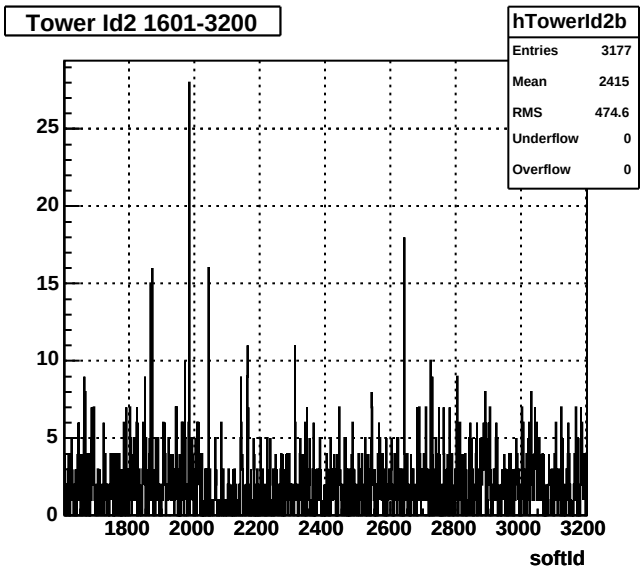

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9663
Mean 1.839
RMS 0.07156
Underflow 0
Overflow 0

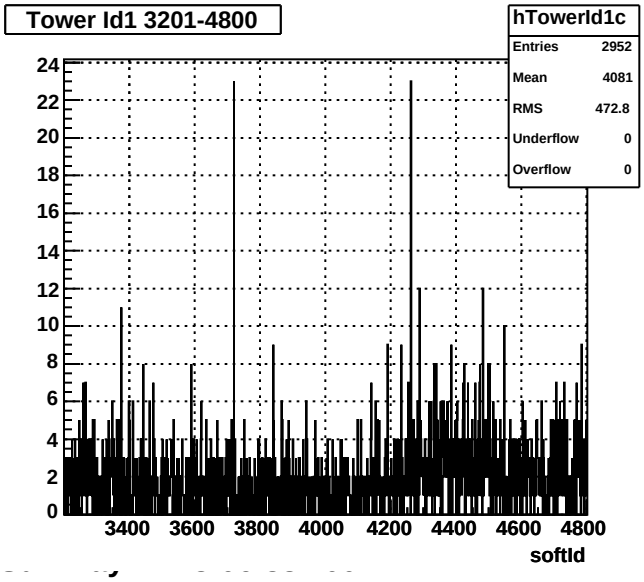

Delta Phi
hDeltaPhi
Entries 9663
Mean 2.362
RMS 0.5183
Underflow 0
Overflow 0
Δφ [radians]

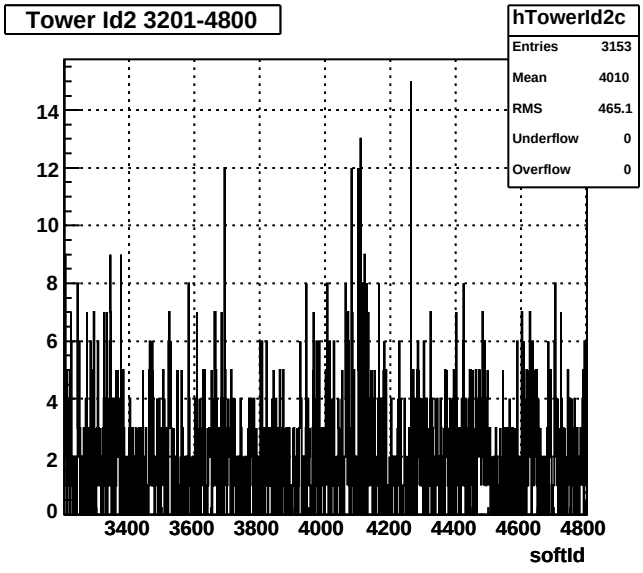

Tower Id1 1-1600
hTowerId1a
Entries 3395
Mean 797
RMS 450
Underflow 0
Overflow 0
softId

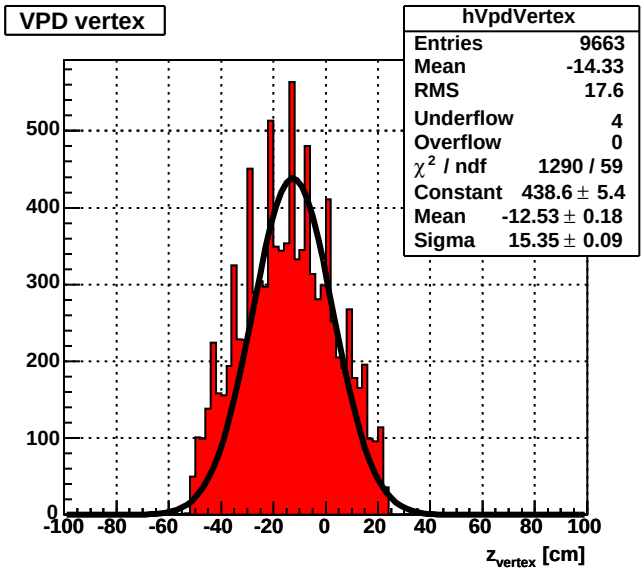

Tower Id2 1-1600
hTowerId2a
Entries 3333
Mean 793.1
RMS 446.1
Underflow 0
Overflow 0
softId

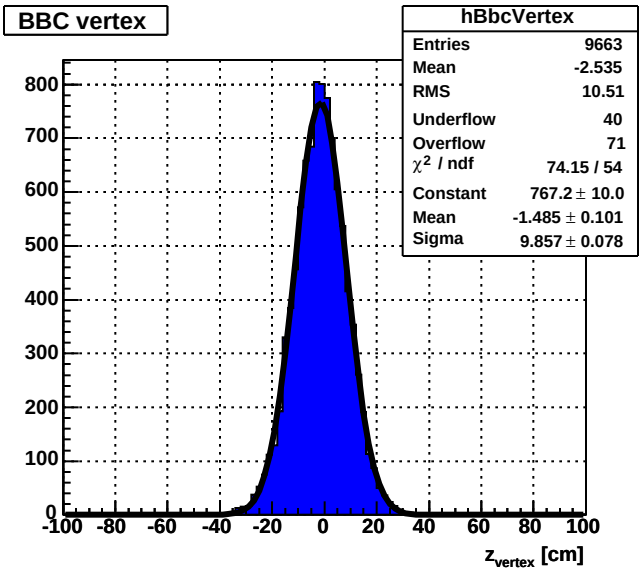

Tower Id1 1601-3200
hTowerId1b
Entries 3316
Mean 2384
RMS 455.7
Underflow 0
Overflow 0
softId

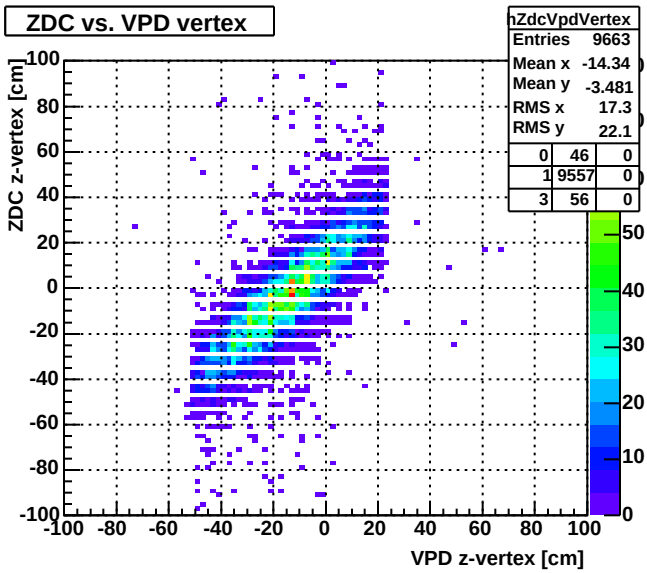

Tower Id2 1601-3200
hTowerId2b
Entries 3177
Mean 2415
RMS 474.6
Underflow 0
Overflow 0
softId

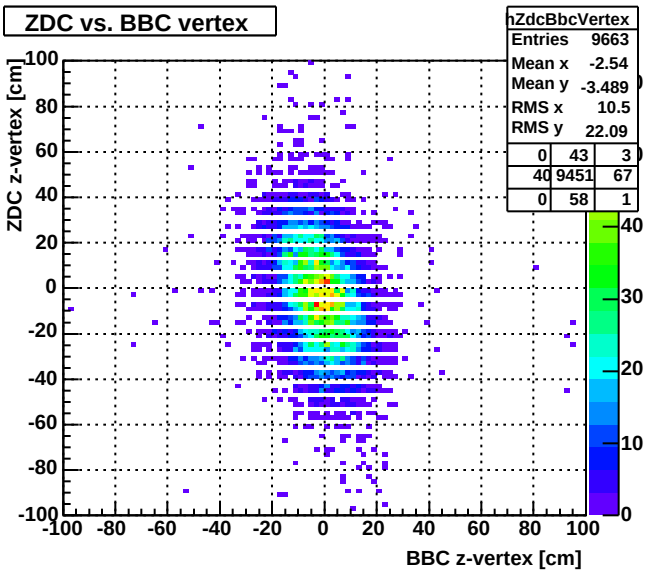

Tower Id1 3201-4800
hTowerId1c
Entries 2952
Mean 4081
RMS 472.8
Underflow 0
Overflow 0
softId

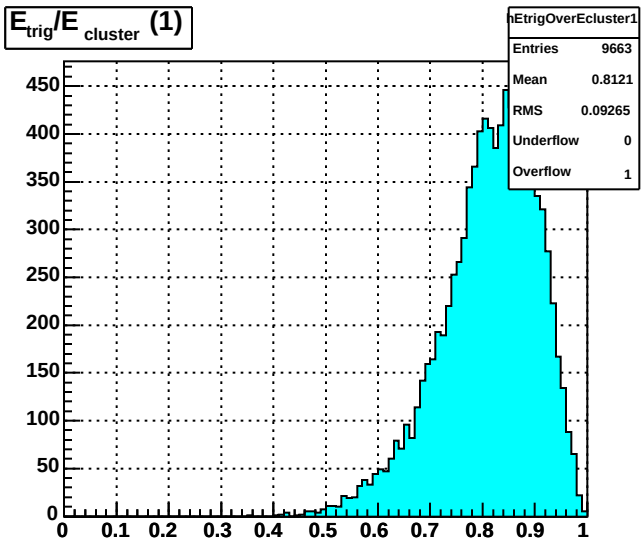

Tower Id2 3201-4800
hTowerId2c
Entries 3153
Mean 4010
RMS 465.1
Underflow 0
Overflow 0
softId

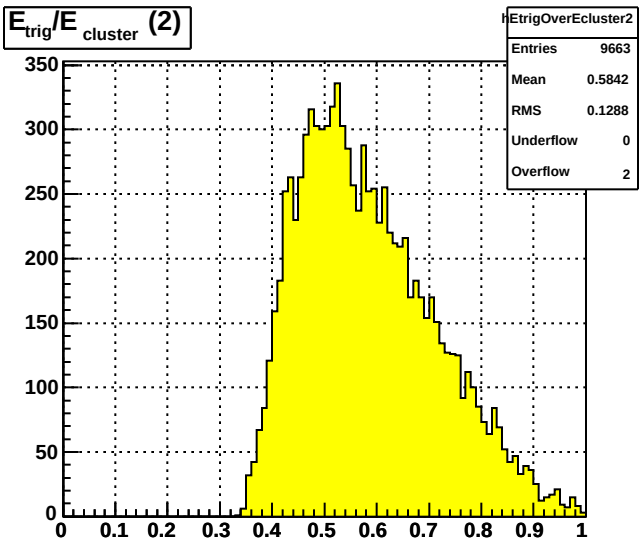

VPD vertex
hVpdVertex
Entries 9663
Mean -14.33
RMS 17.6
Underflow 4
Overflow 0
χ² / ndf 1290 / 59
Constant 438.6 ± 5.4
Mean -12.53 ± 0.18
Sigma 15.35 ± 0.09
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9663
Mean -2.535
RMS 10.51
Underflow 40
Overflow 71
χ² / ndf 74.15 / 54
Constant 767.2 ± 10.0
Mean -1.485 ± 0.101
Sigma 9.857 ± 0.078
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9663
Mean x -14.34
Mean y -3.481
RMS x 17.3
RMS y 22.1
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9663
Mean x -2.54
Mean y -3.489
RMS x 10.5
RMS y 22.09
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9663
Mean 0.8121
RMS 0.09265
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9663
Mean 0.5842
RMS 0.1288
Underflow 0
Overflow 2