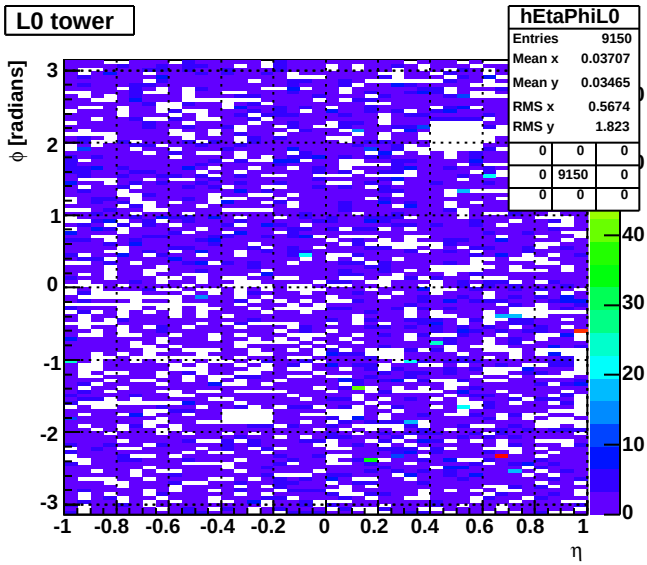
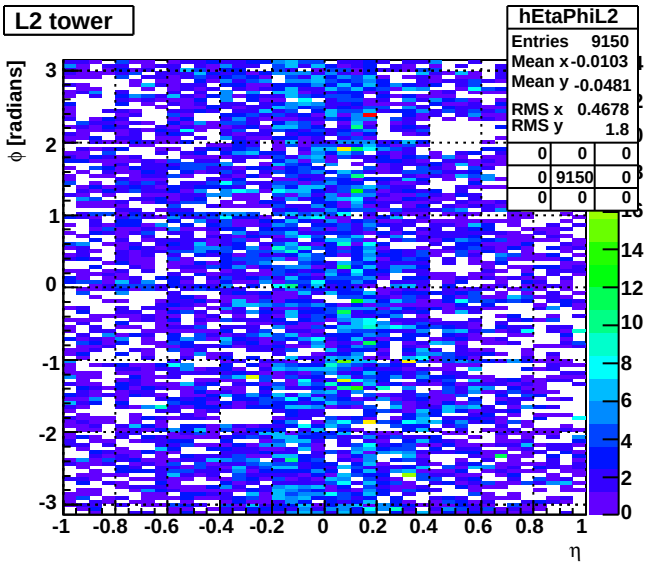
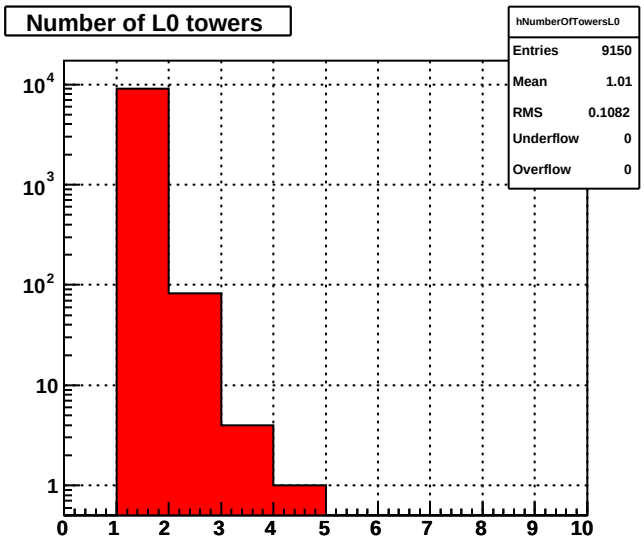
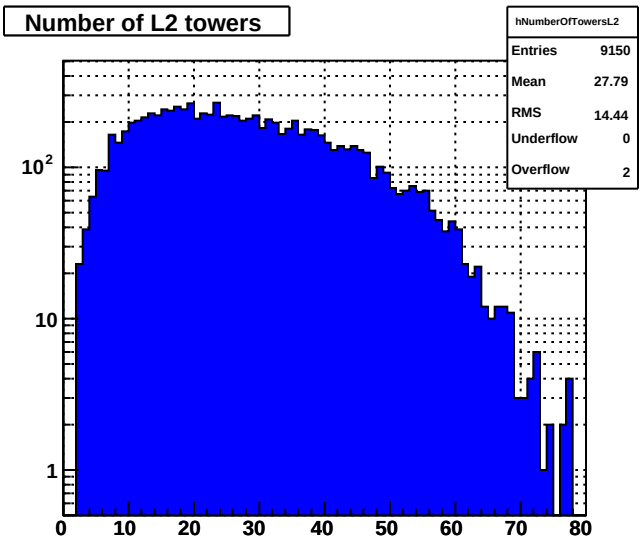
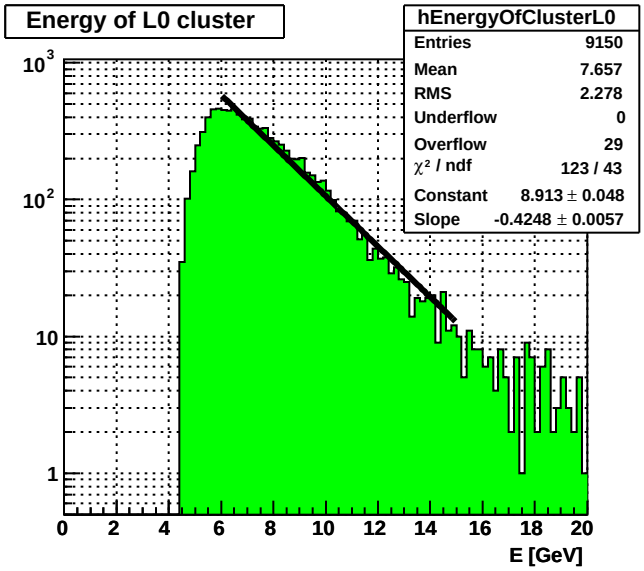
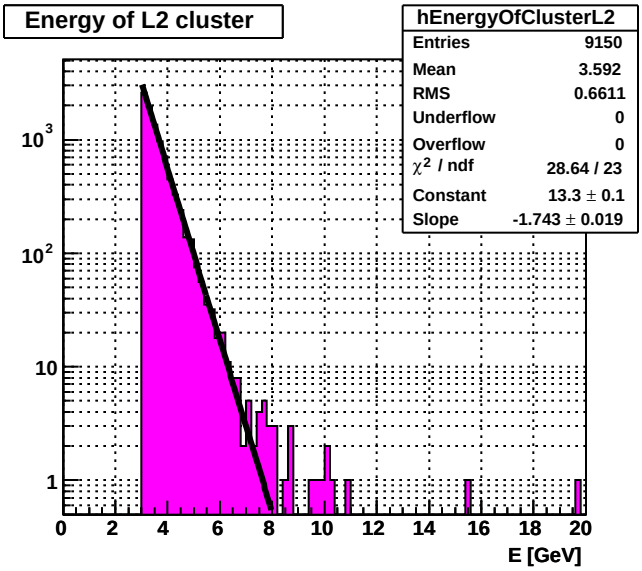

L0 tower
hEtaPhiL0
Entries 9150
Mean x 0.03707
Mean y 0.03465
RMS x 0.5674
RMS y 1.823
φ [radians]
η

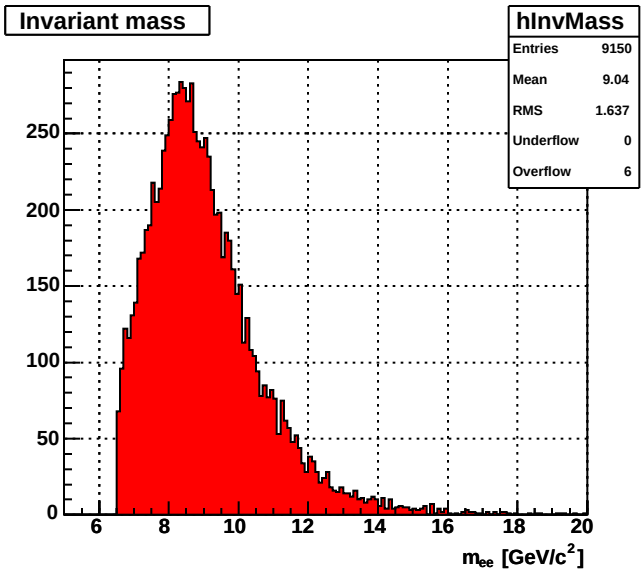

L2 tower
hEtaPhiL2
Entries 9150
Mean x -0.0103
Mean y -0.0481
RMS x 0.4678
RMS y 1.8
φ [radians]
η

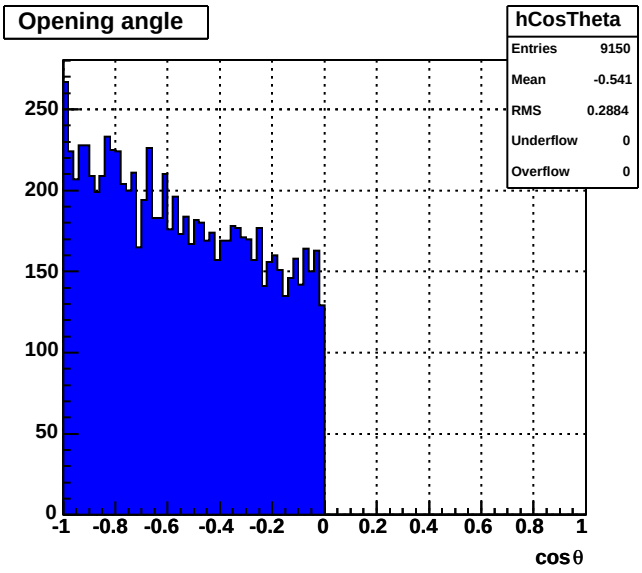

Number of L0 towers
hNumberOfTowersL0
Entries 9150
Mean 1.01
RMS 0.1082
Underflow 0
Overflow 0

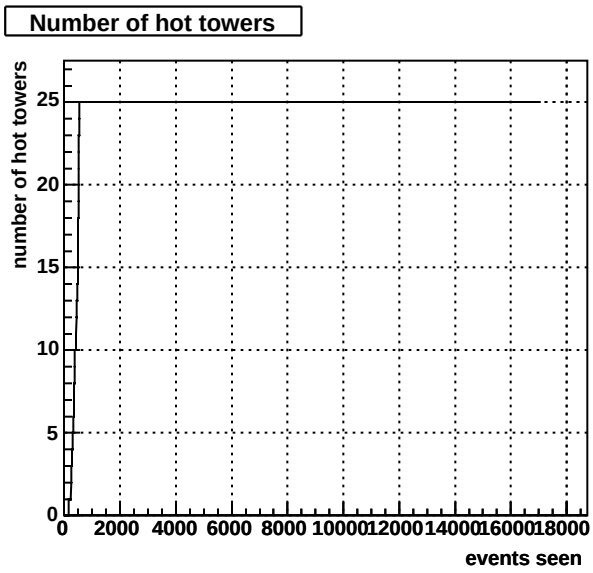

Number of L2 towers
hNumberOfTowersL2
Entries 9150
Mean 27.79
RMS 14.44
Underflow 0
Overflow 2

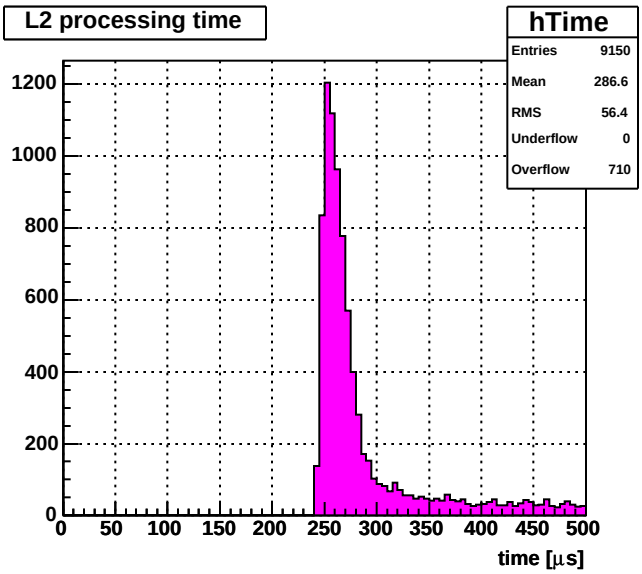

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9150
Mean 7.657
RMS 2.278
Underflow 0
Overflow 29
χ² / ndf 123 / 43
Constant 8.913 ± 0.048
Slope -0.4248 ± 0.0057
E [GeV]

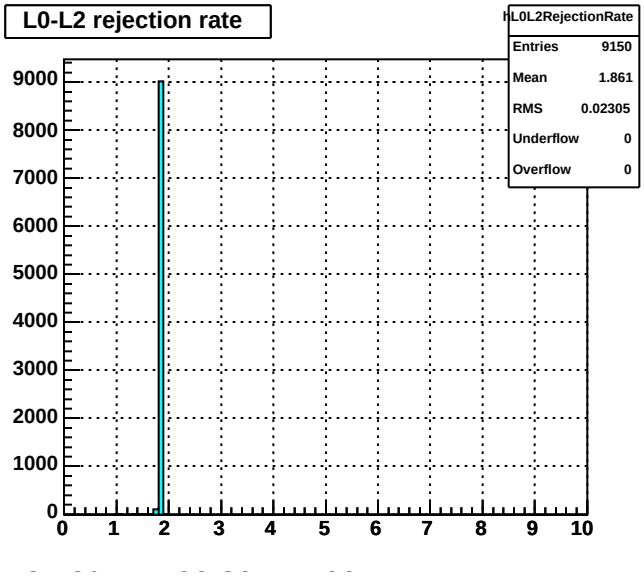

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9150
Mean 3.592
RMS 0.6611
Underflow 0
Overflow 0
χ² / ndf 28.64 / 23
Constant 13.3 ± 0.1
Slope -1.743 ± 0.019
E [GeV]

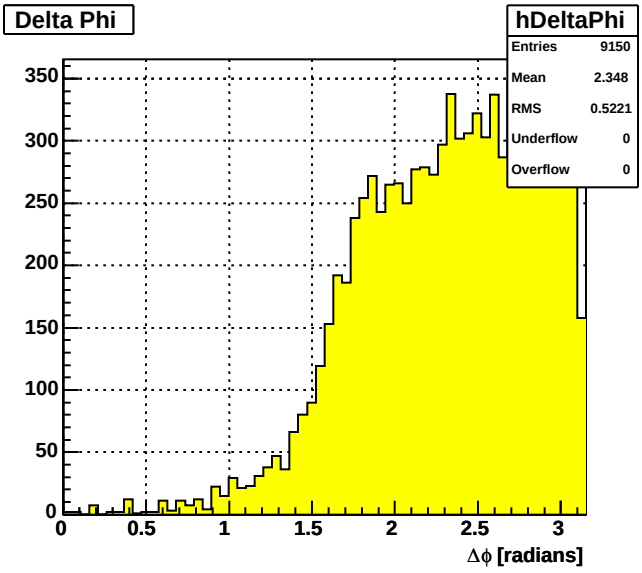

Invariant mass
hInvMass
Entries 9150
Mean 9.04
RMS 1.637
Underflow 0
Overflow 6
m_{ee} [GeV/c^2]

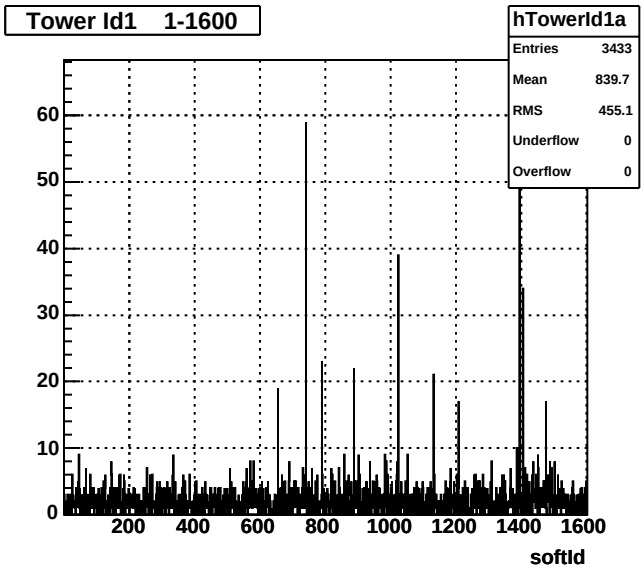

Opening angle
hCosTheta
Entries 9150
Mean -0.541
RMS 0.2884
Underflow 0
Overflow 0
cos θ

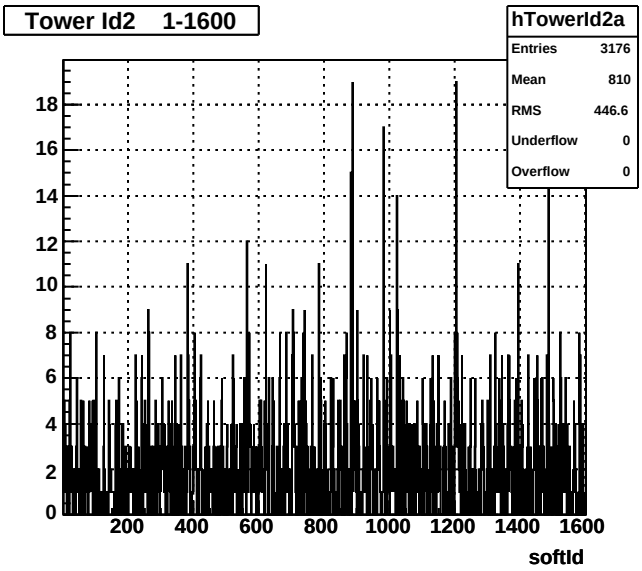

Number of hot towers
number of hot towers
events seen

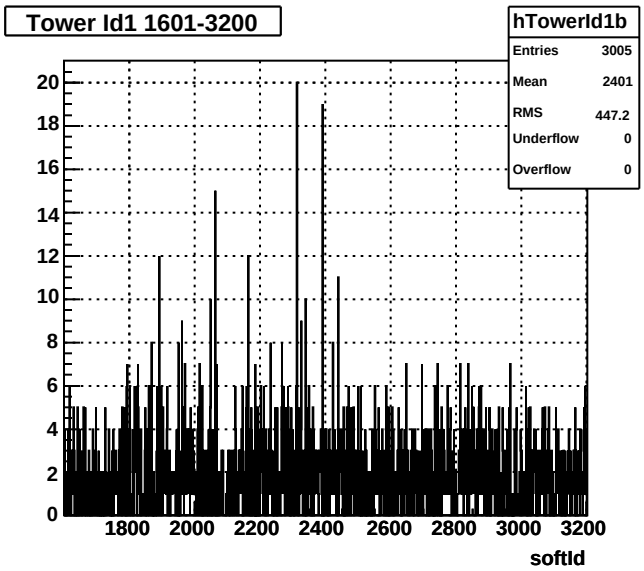

L2 processing time
hTime
Entries 9150
Mean 286.6
RMS 56.4
Underflow 0
Overflow 710
time [μs]

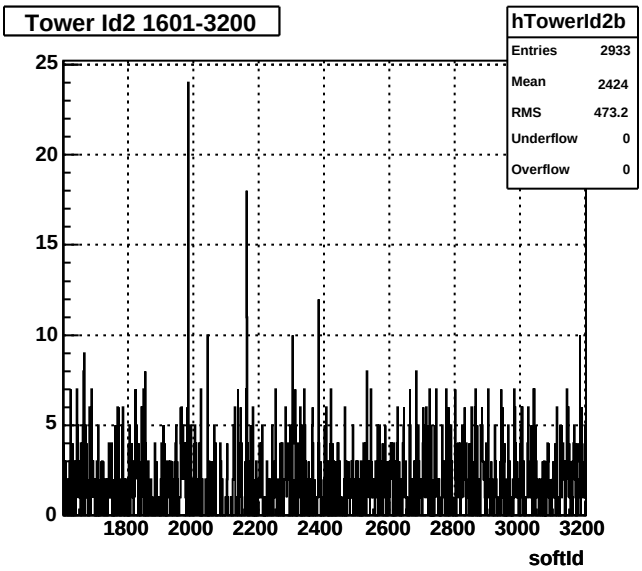

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9150
Mean 1.861
RMS 0.02305
Underflow 0
Overflow 0

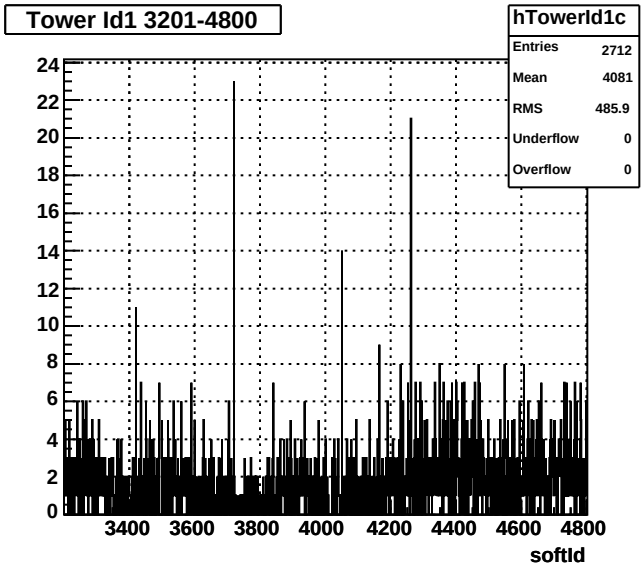

Delta Phi
hDeltaPhi
Entries 9150
Mean 2.348
RMS 0.5221
Underflow 0
Overflow 0
Δφ [radians]

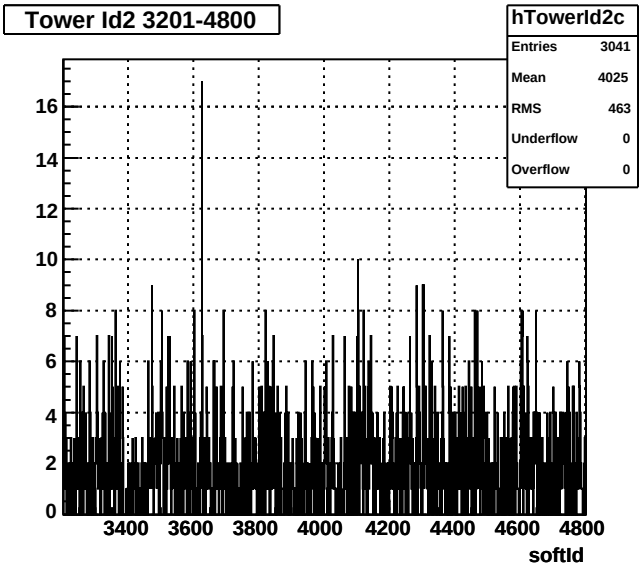

Tower Id1 1-1600
hTowerId1a
Entries 3433
Mean 839.7
RMS 455.1
Underflow 0
Overflow 0
softId

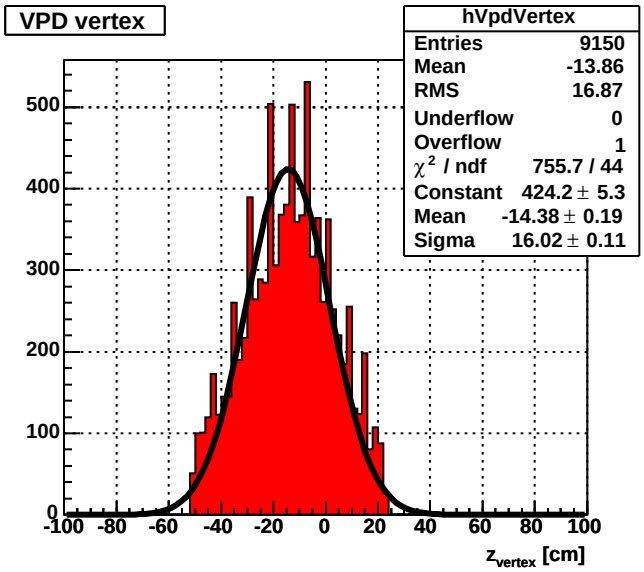

Tower Id2 1-1600
hTowerId2a
Entries 3176
Mean 810
RMS 446.6
Underflow 0
Overflow 0
softId

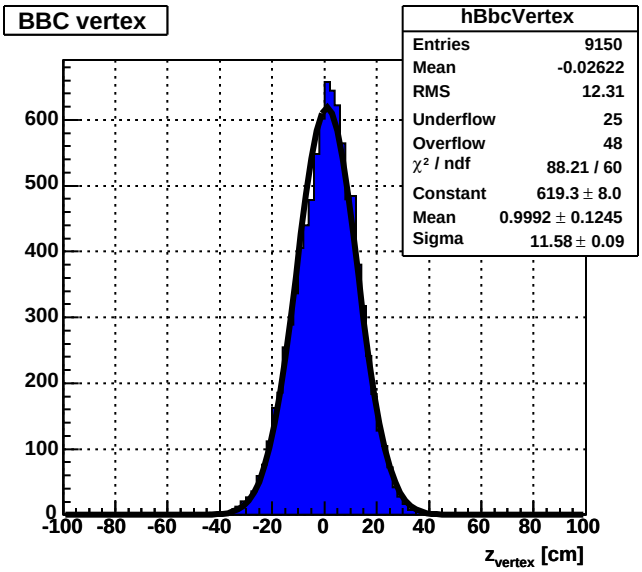

Tower Id1 1601-3200
hTowerId1b
Entries 3005
Mean 2401
RMS 447.2
Underflow 0
Overflow 0
softId

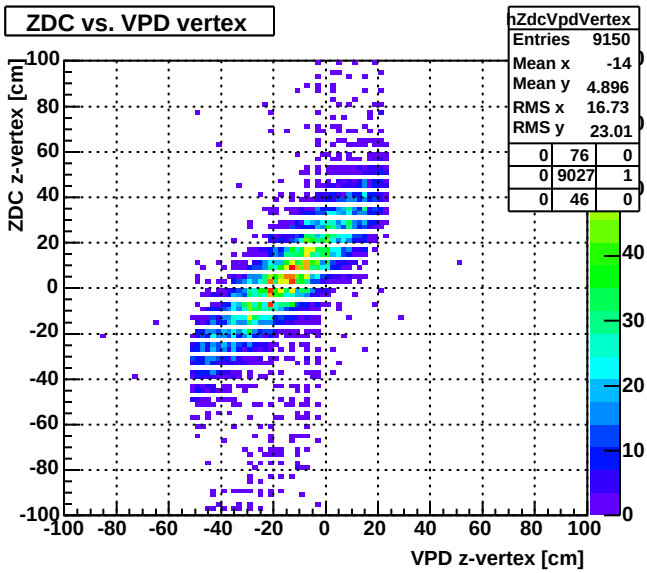

Tower Id2 1601-3200
hTowerId2b
Entries 2933
Mean 2424
RMS 473.2
Underflow 0
Overflow 0
softId

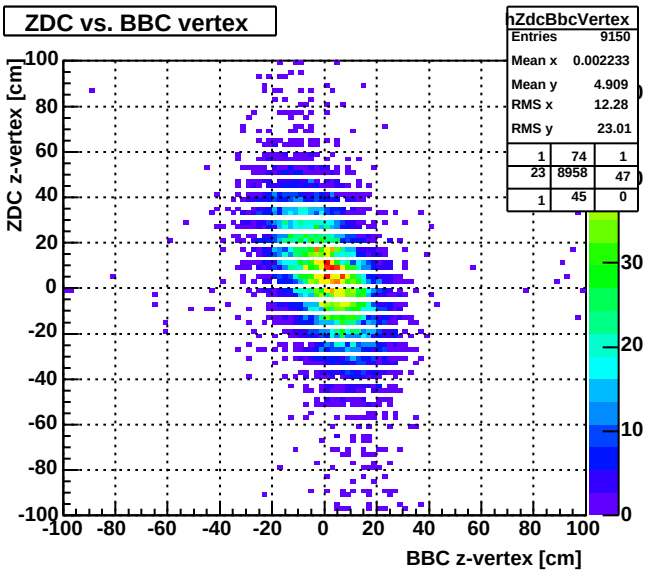

Tower Id1 3201-4800
hTowerId1c
Entries 2712
Mean 4081
RMS 485.9
Underflow 0
Overflow 0
softId

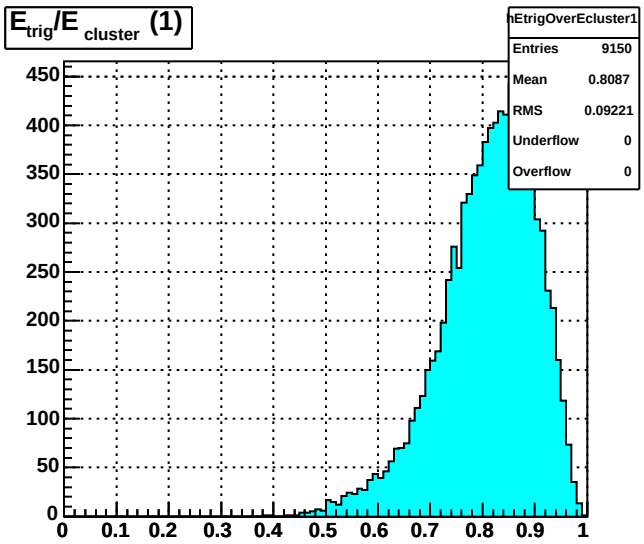

Tower Id2 3201-4800
hTowerId2c
Entries 3041
Mean 4025
RMS 463
Underflow 0
Overflow 0
softId

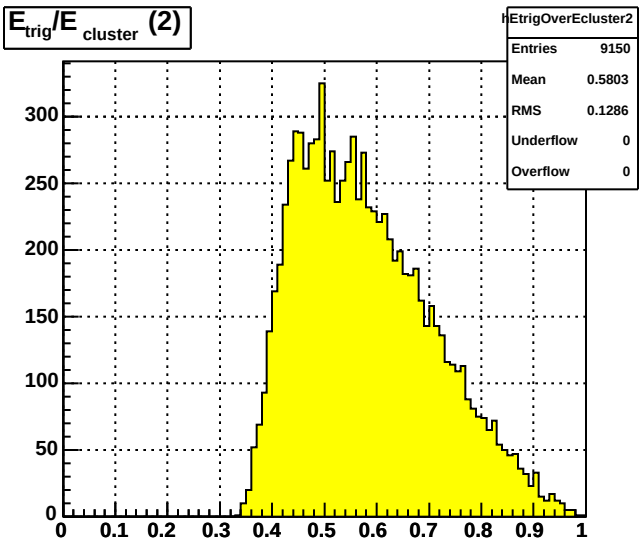

VPD vertex
hVpdVertex
Entries 9150
Mean -13.86
RMS 16.87
Underflow 0
Overflow 1
χ² / ndf 755.7 / 44
Constant 424.2 ± 5.3
Mean -14.38 ± 0.19
Sigma 16.02 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9150
Mean -0.02622
RMS 12.31
Underflow 25
Overflow 48
χ² / ndf 88.21 / 60
Constant 619.3 ± 8.0
Mean 0.9992 ± 0.1245
Sigma 11.58 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9150
Mean x -14
Mean y 4.896
RMS x 16.73
RMS y 23.01
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9150
Mean x 0.002233
Mean y 4.909
RMS x 12.28
RMS y 23.01
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9150
Mean 0.8087
RMS 0.09221
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9150
Mean 0.5803
RMS 0.1286
Underflow 0
Overflow 0