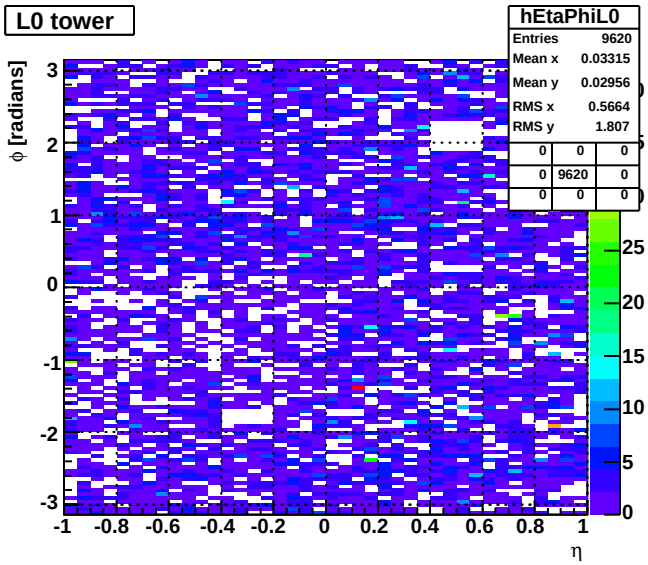
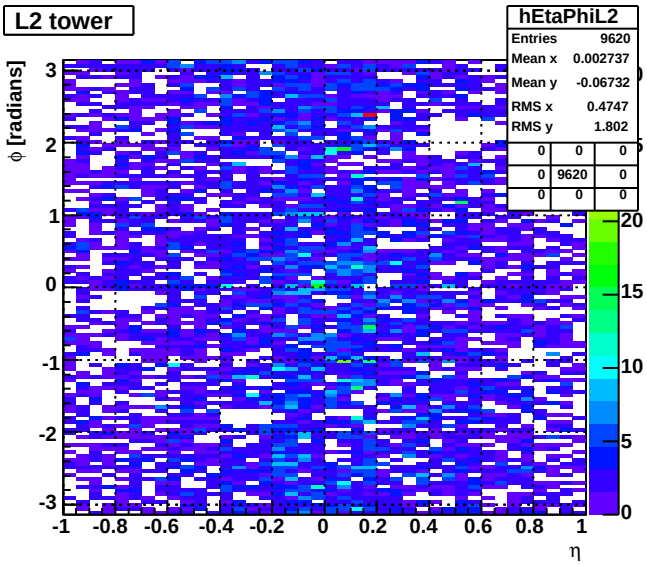
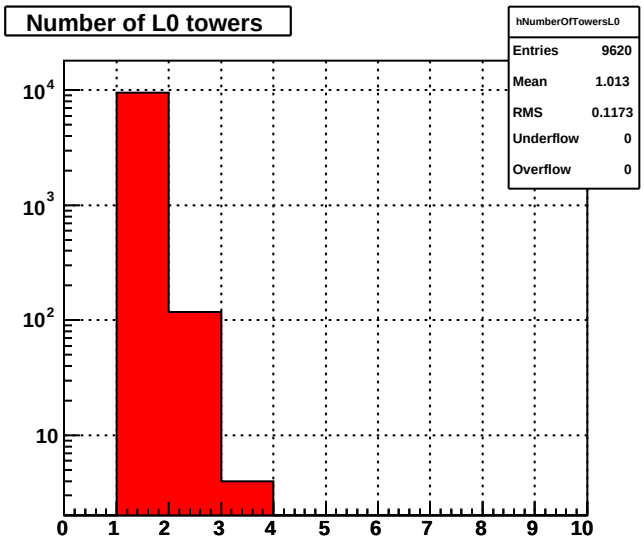
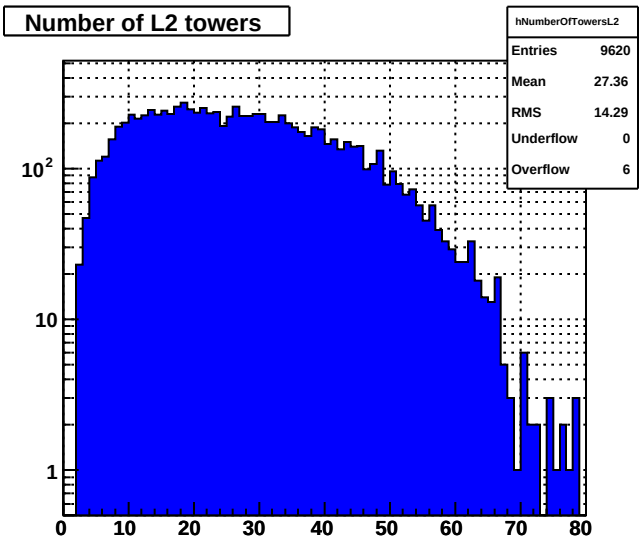
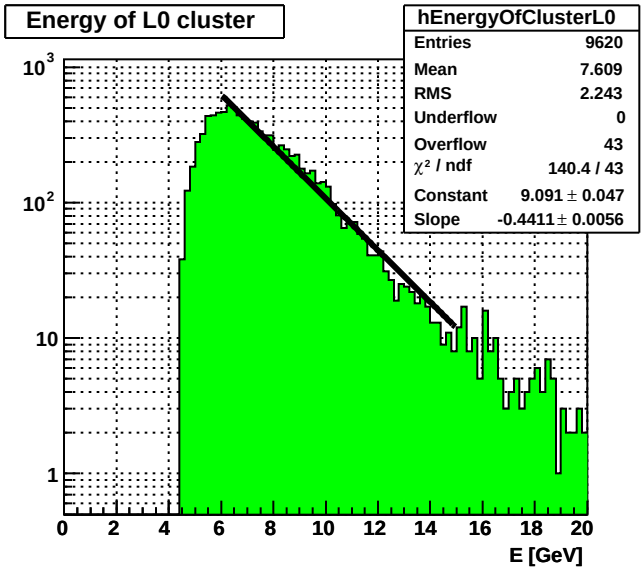
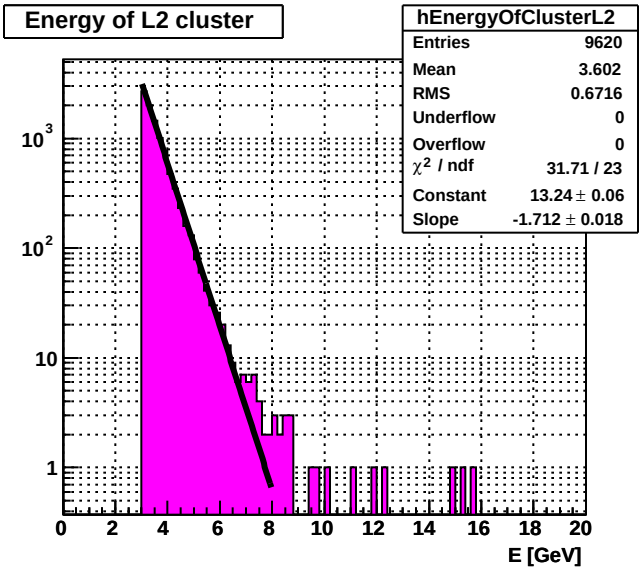

L0 tower
hEtaPhiL0
Entries 9620
Mean x 0.03315
Mean y 0.02956
RMS x 0.5664
RMS y 1.807
φ [radians]
η

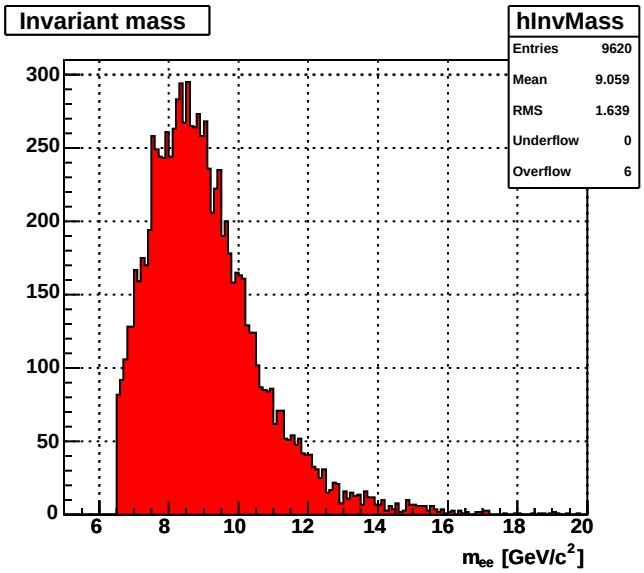

L2 tower
hEtaPhiL2
Entries 9620
Mean x 0.002737
Mean y -0.06732
RMS x 0.4747
RMS y 1.802
φ [radians]
η

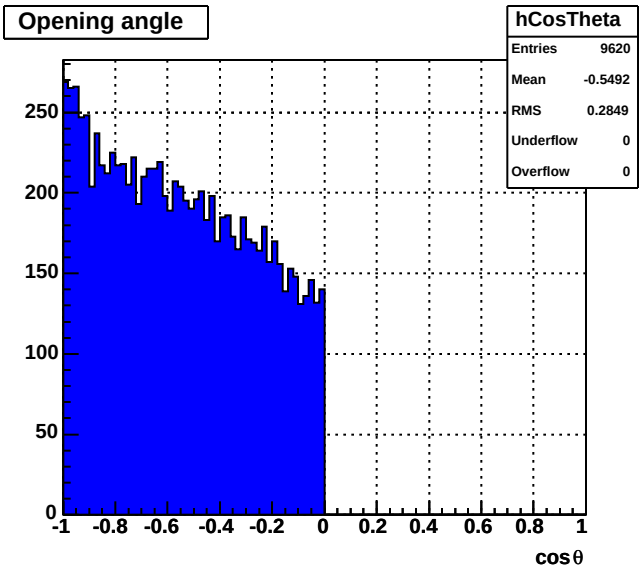

Number of L0 towers
hNumberOfTowersL0
Entries 9620
Mean 1.013
RMS 0.1173
Underflow 0
Overflow 0

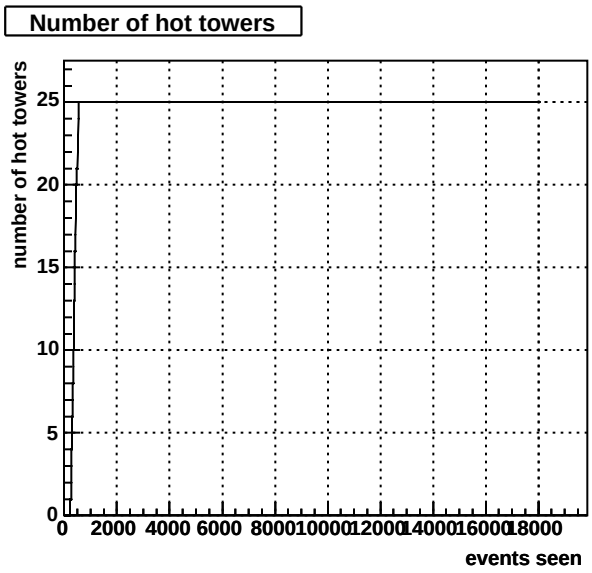

Number of L2 towers
hNumberOfTowersL2
Entries 9620
Mean 27.36
RMS 14.29
Underflow 0
Overflow 6

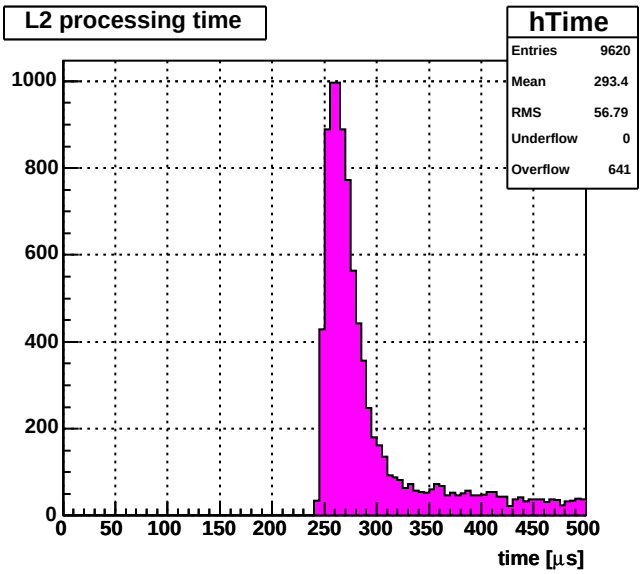

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9620
Mean 7.609
RMS 2.243
Underflow 0
Overflow 43
χ² / ndf 140.4 / 43
Constant 9.091 ± 0.047
Slope -0.4411 ± 0.0056
E [GeV]

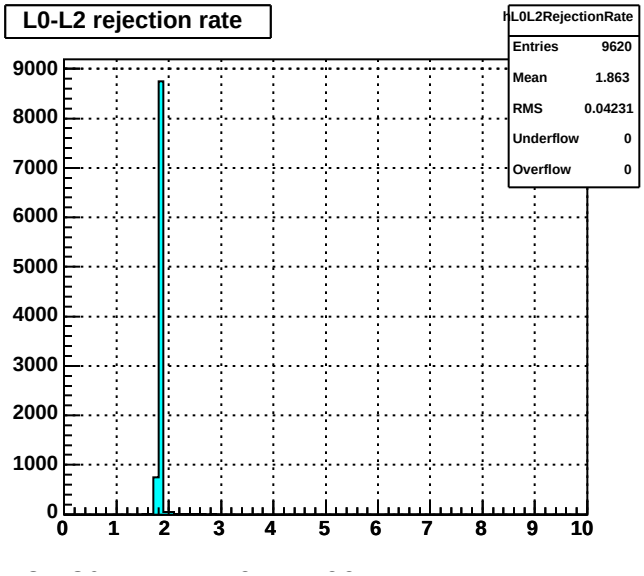

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9620
Mean 3.602
RMS 0.6716
Underflow 0
Overflow 0
χ² / ndf 31.71 / 23
Constant 13.24 ± 0.06
Slope -1.712 ± 0.018
E [GeV]

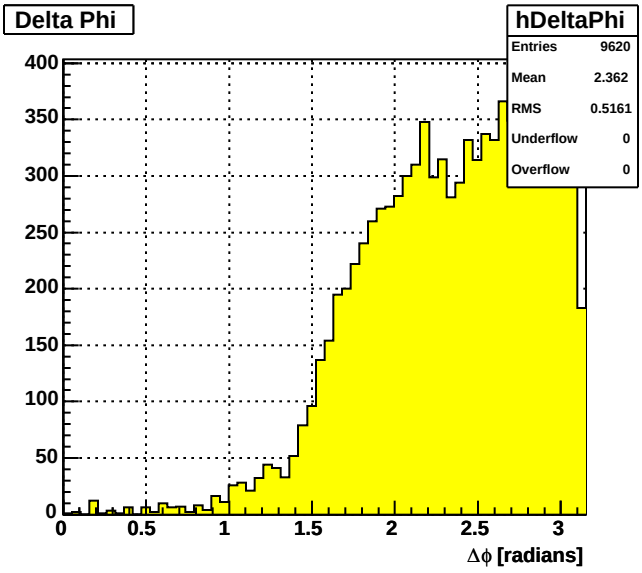

Invariant mass
hInvMass
Entries 9620
Mean 9.059
RMS 1.639
Underflow 0
Overflow 6
m_{ee} [GeV/c^2]

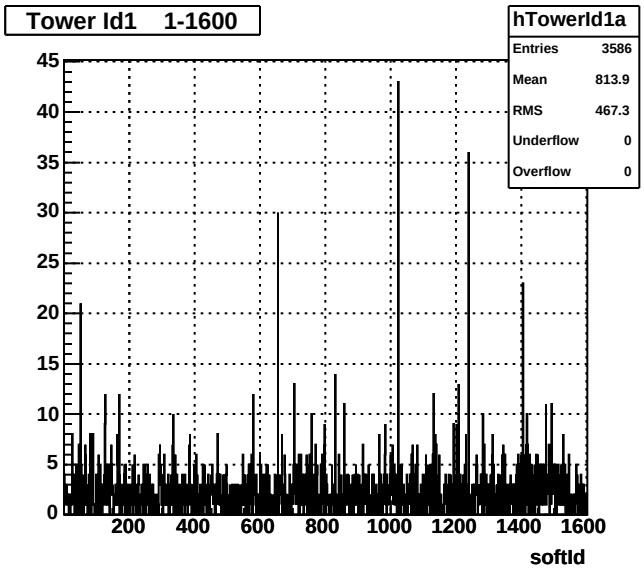

Opening angle
hCosTheta
Entries 9620
Mean -0.5492
RMS 0.2849
Underflow 0
Overflow 0
cos θ

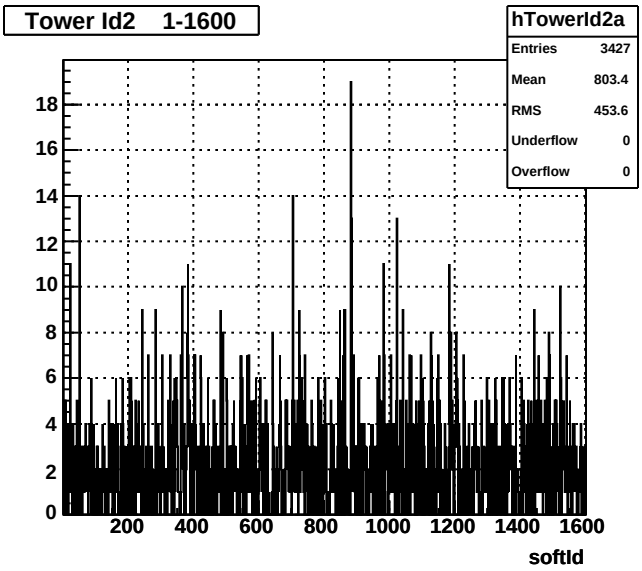

Number of hot towers
number of hot towers
events seen

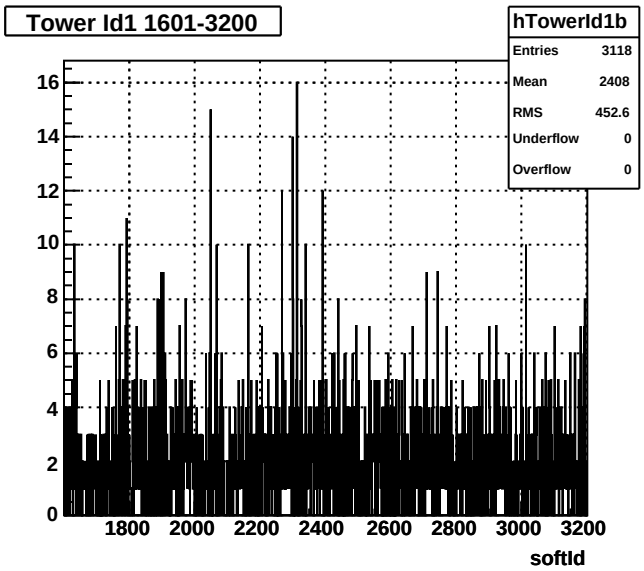

L2 processing time
hTime
Entries 9620
Mean 293.4
RMS 56.79
Underflow 0
Overflow 641
time [μs]

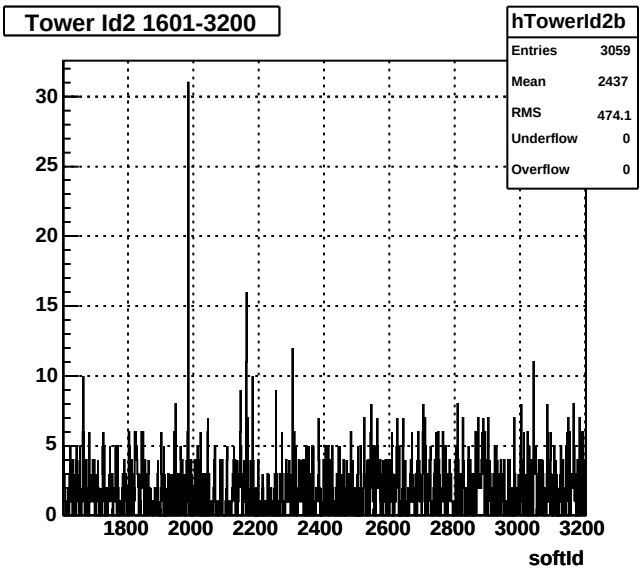

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9620
Mean 1.863
RMS 0.04231
Underflow 0
Overflow 0

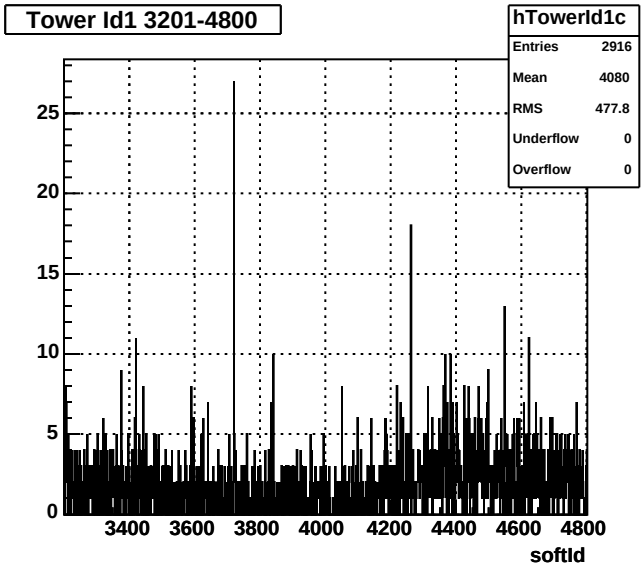

Delta Phi
hDeltaPhi
Entries 9620
Mean 2.362
RMS 0.5161
Underflow 0
Overflow 0
Δφ [radians]

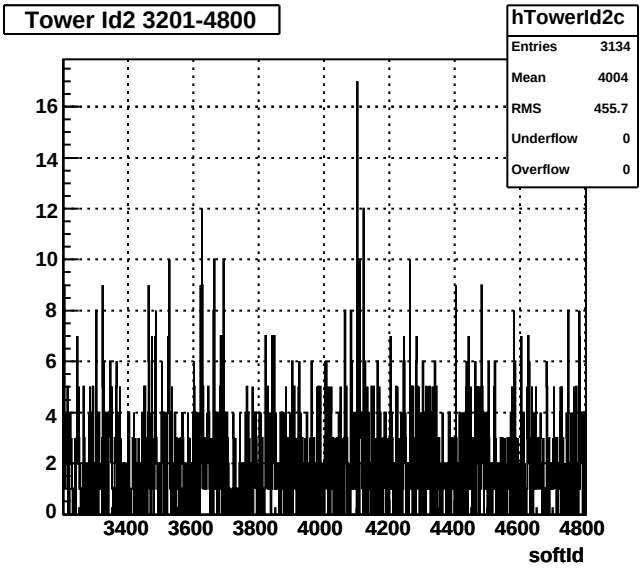

Tower Id1 1-1600
hTowerId1a
Entries 3586
Mean 813.9
RMS 467.3
Underflow 0
Overflow 0
softId

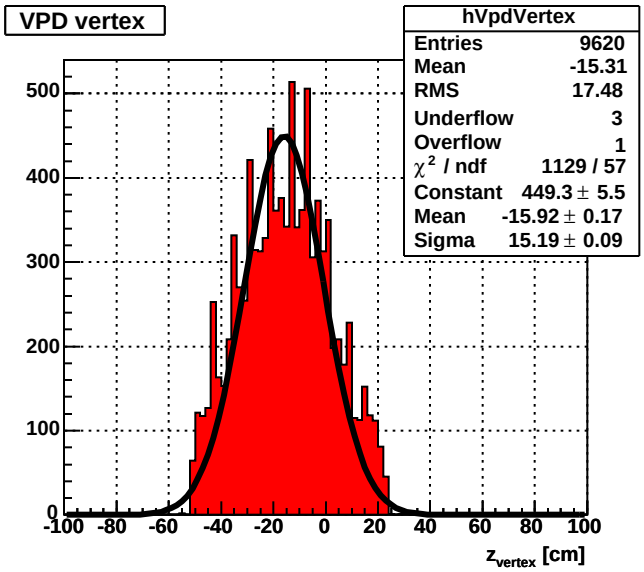

Tower Id2 1-1600
hTowerId2a
Entries 3427
Mean 803.4
RMS 453.6
Underflow 0
Overflow 0
softId

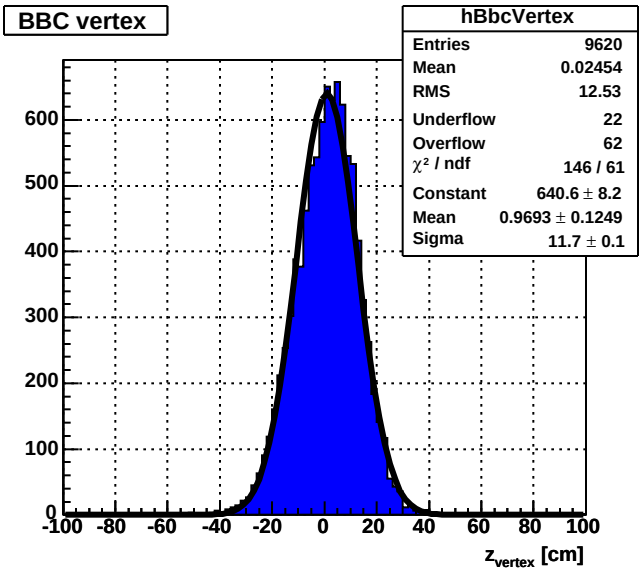

Tower Id1 1601-3200
hTowerId1b
Entries 3118
Mean 2408
RMS 452.6
Underflow 0
Overflow 0
softId

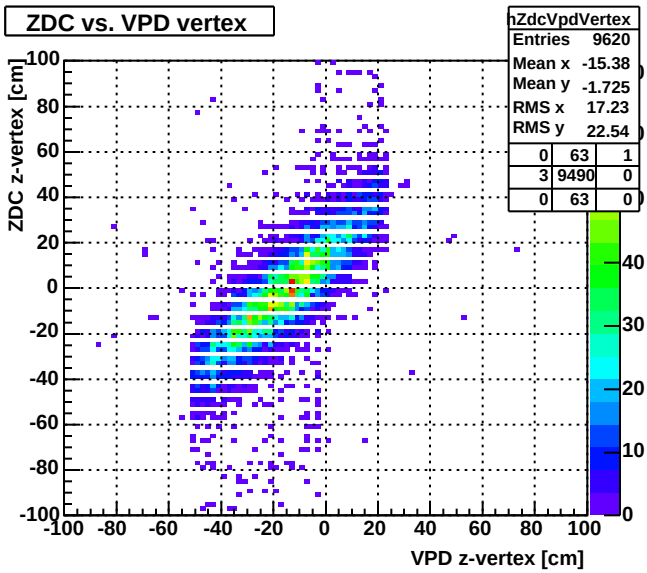

Tower Id2 1601-3200
hTowerId2b
Entries 3059
Mean 2437
RMS 474.1
Underflow 0
Overflow 0
softId

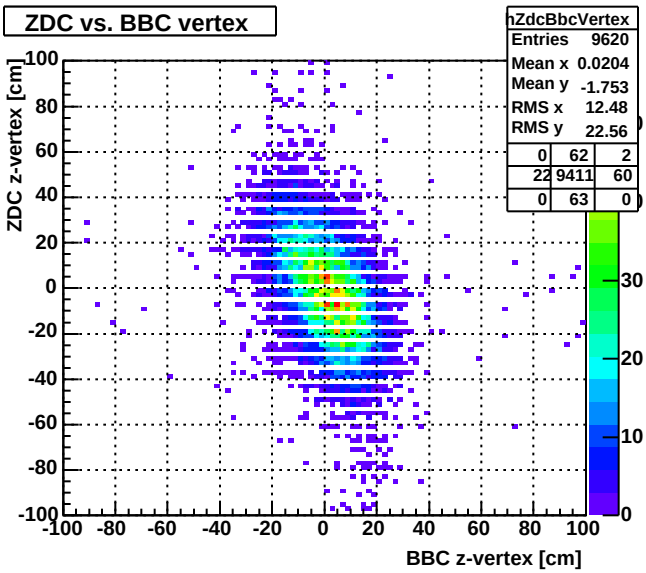

Tower Id1 3201-4800
hTowerId1c
Entries 2916
Mean 4080
RMS 477.8
Underflow 0
Overflow 0
softId

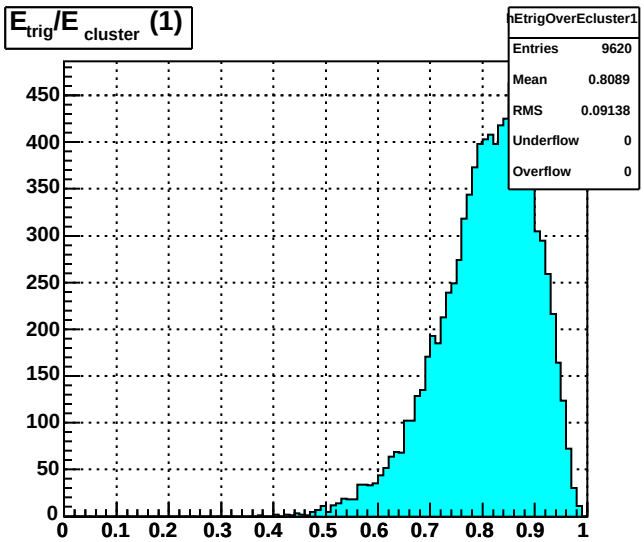

Tower Id2 3201-4800
hTowerId2c
Entries 3134
Mean 4004
RMS 455.7
Underflow 0
Overflow 0
softId

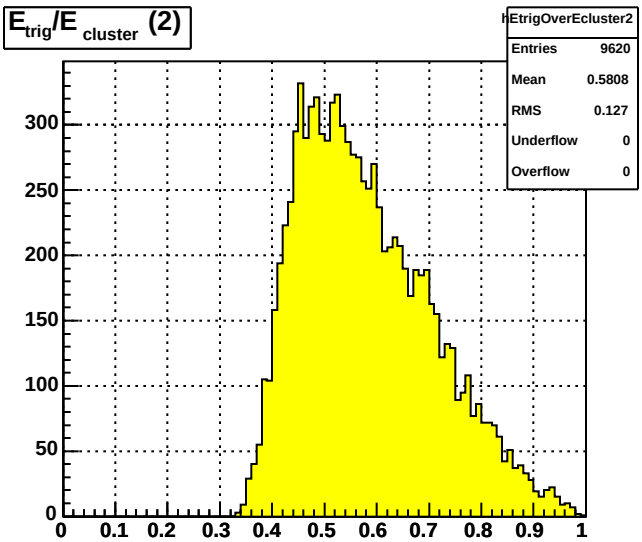

VPD vertex
hVpdVertex
Entries 9620
Mean -15.31
RMS 17.48
Underflow 3
Overflow 1
χ² / ndf 1129 / 57
Constant 449.3 ± 5.5
Mean -15.92 ± 0.17
Sigma 15.19 ± 0.09
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9620
Mean 0.02454
RMS 12.53
Underflow 22
Overflow 62
χ² / ndf 146 / 61
Constant 640.6 ± 8.2
Mean 0.9693 ± 0.1249
Sigma 11.7 ± 0.1
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9620
Mean x -15.38
Mean y -1.725
RMS x 17.23
RMS y 22.54
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9620
Mean x 0.0204
Mean y -1.753
RMS x 12.48
RMS y 22.56
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9620
Mean 0.8089
RMS 0.09138
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9620
Mean 0.5808
RMS 0.127
Underflow 0
Overflow 0