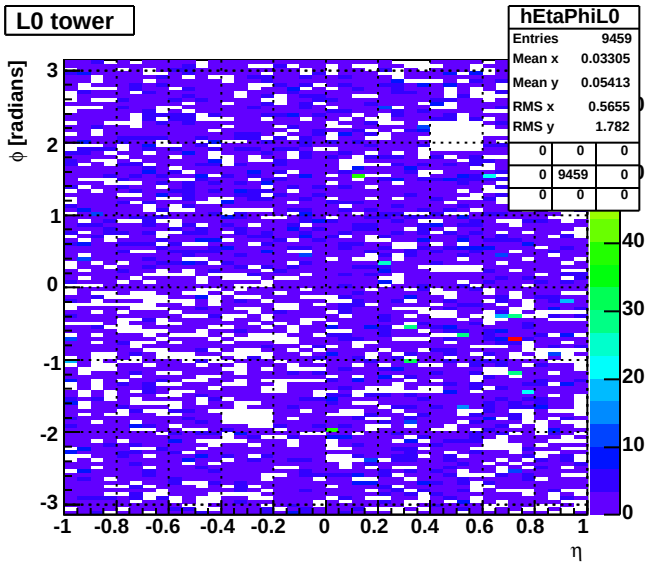
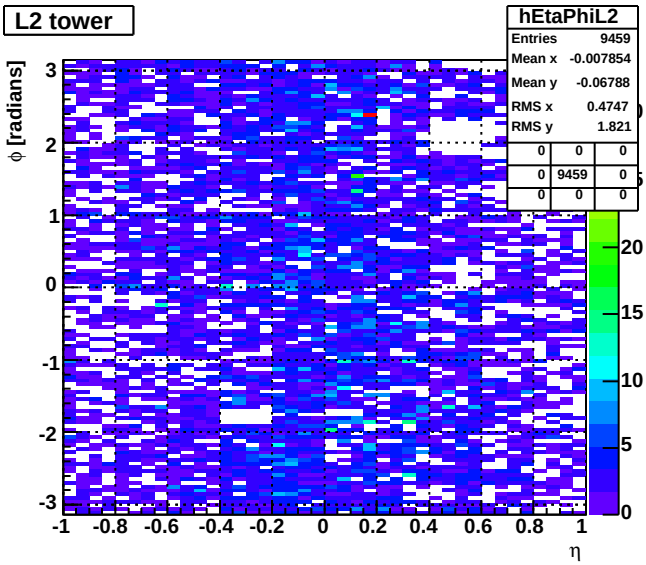
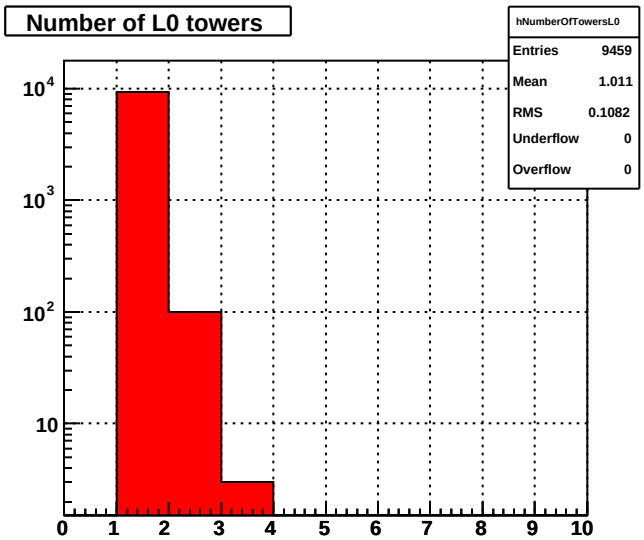
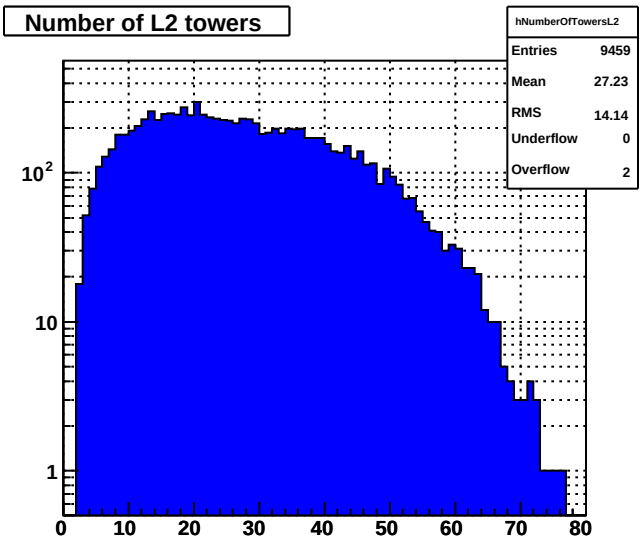
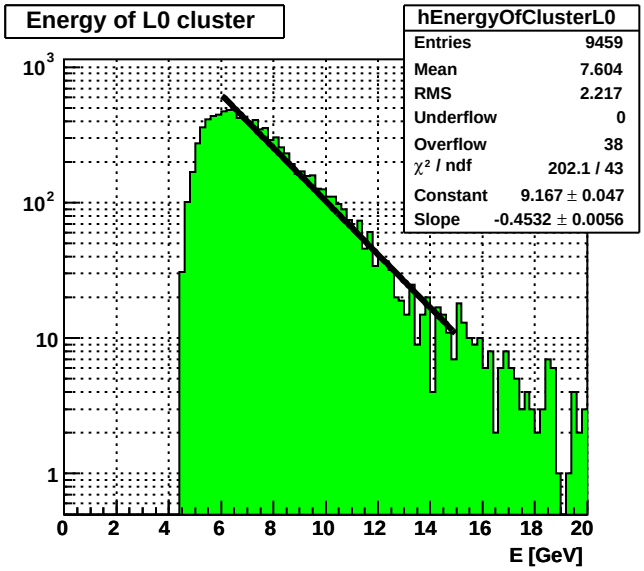
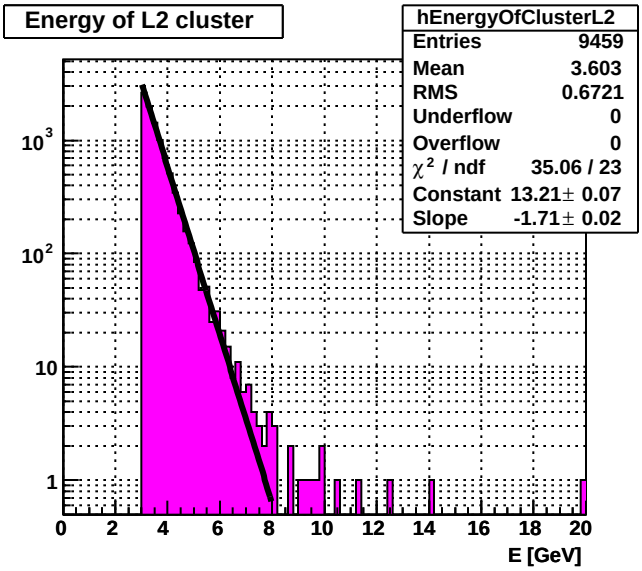

L0 tower
hEtaPhiL0
Entries 9459
Mean x 0.03305
Mean y 0.05413
RMS x 0.5655
RMS y 1.782
φ [radians]
η

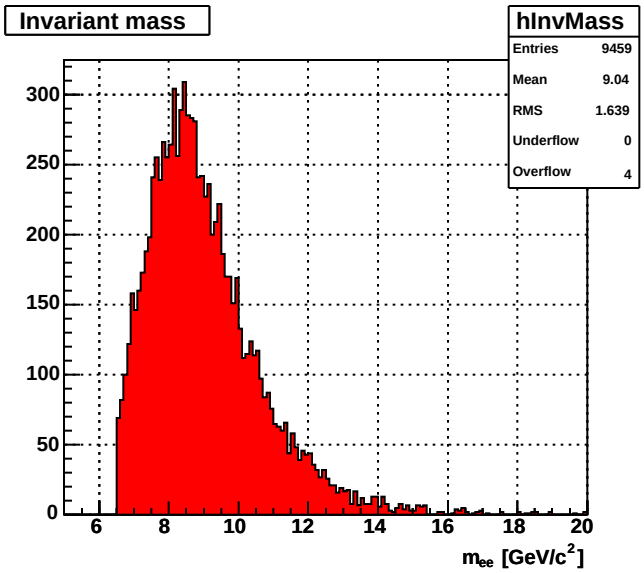

L2 tower
hEtaPhiL2
Entries 9459
Mean x -0.007854
Mean y -0.06788
RMS x 0.4747
RMS y 1.821
φ [radians]
η

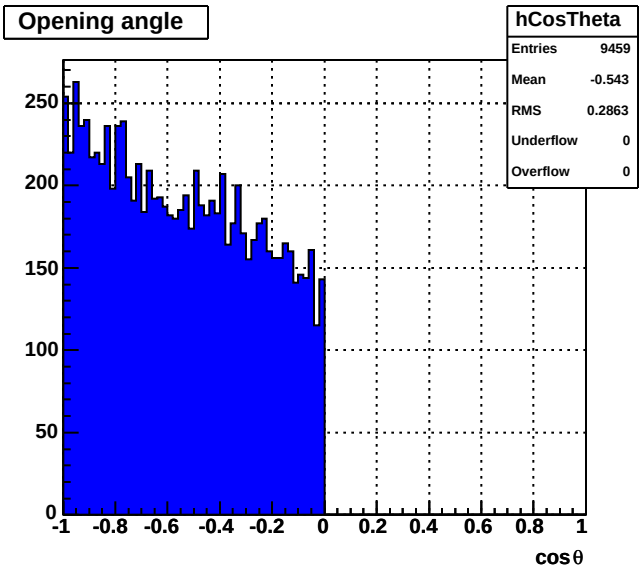

Number of L0 towers
hNumberOfTowersL0
Entries 9459
Mean 1.011
RMS 0.1082
Underflow 0
Overflow 0

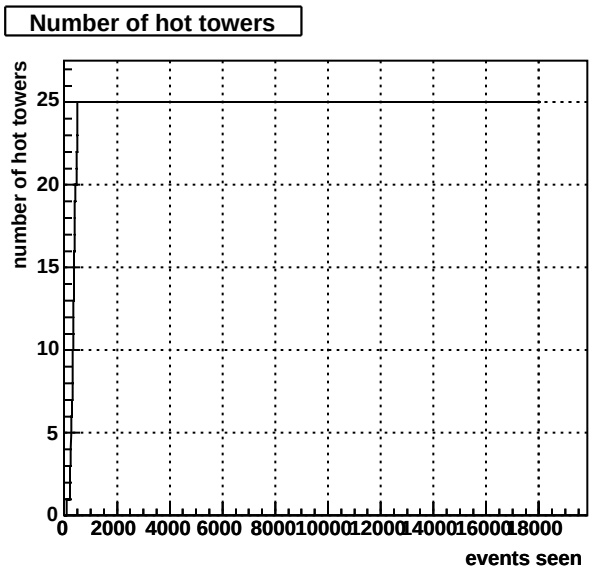

Number of L2 towers
hNumberOfTowersL2
Entries 9459
Mean 27.23
RMS 14.14
Underflow 0
Overflow 2

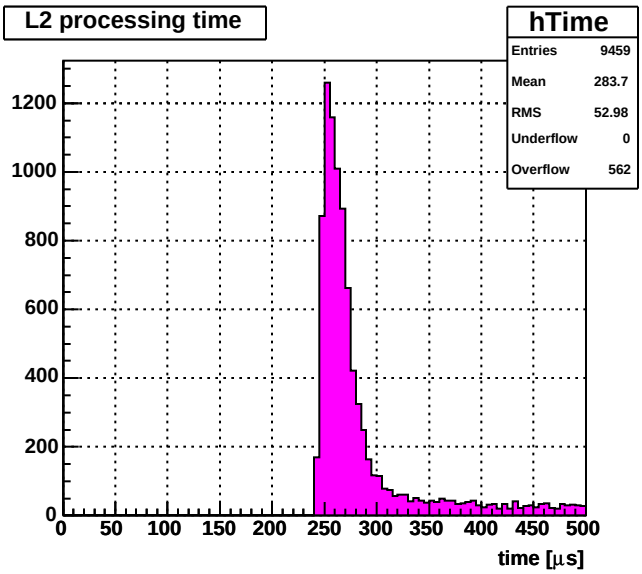

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9459
Mean 7.604
RMS 2.217
Underflow 0
Overflow 38
χ² / ndf 202.1 / 43
Constant 9.167 ± 0.047
Slope -0.4532 ± 0.0056
E [GeV]

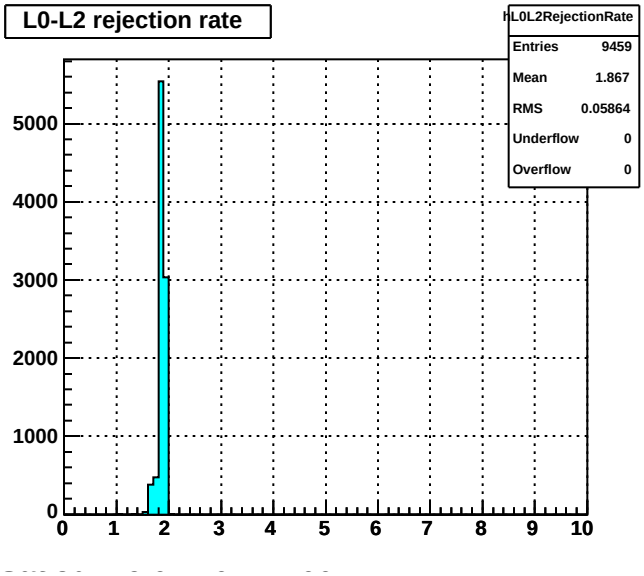

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9459
Mean 3.603
RMS 0.6721
Underflow 0
Overflow 0
χ² / ndf 35.06 / 23
Constant 13.21 ± 0.07
Slope -1.71 ± 0.02
E [GeV]

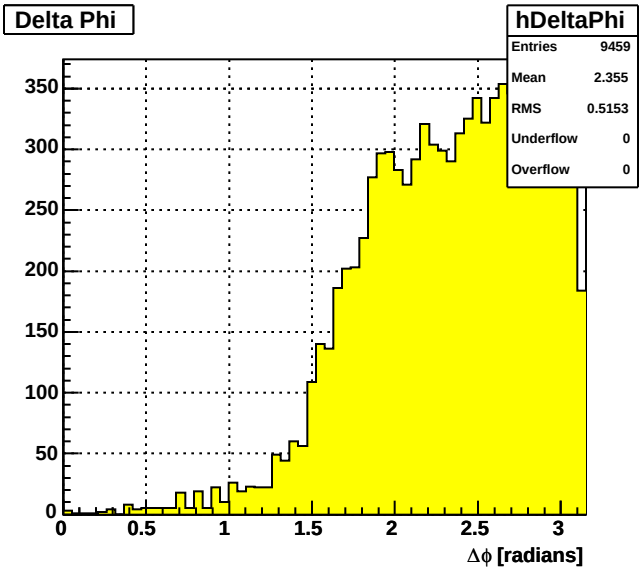

Invariant mass
hInvMass
Entries 9459
Mean 9.04
RMS 1.639
Underflow 0
Overflow 4
$m_{ee}$ [GeV/$c^2$]

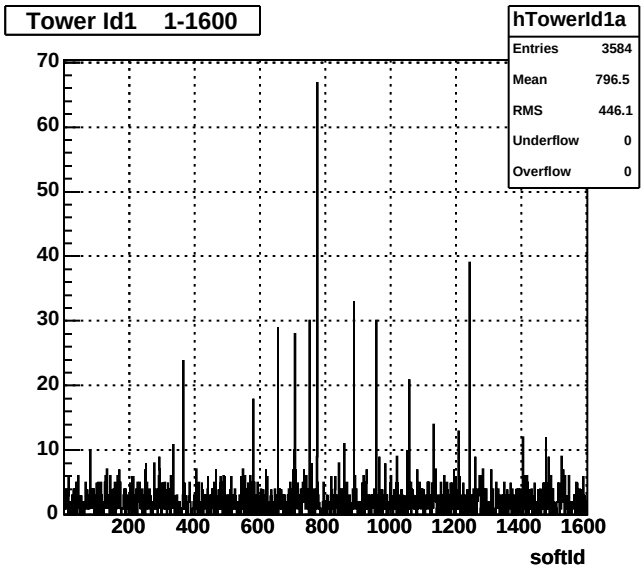

Opening angle
hCosTheta
Entries 9459
Mean -0.543
RMS 0.2863
Underflow 0
Overflow 0
cos θ

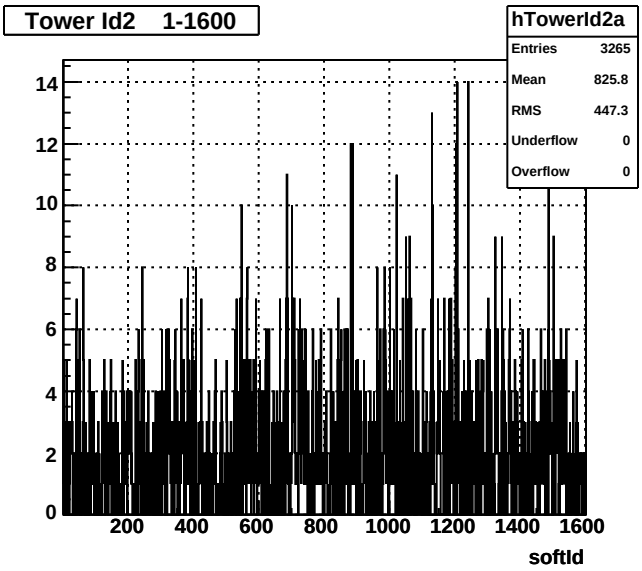

Number of hot towers
number of hot towers
events seen

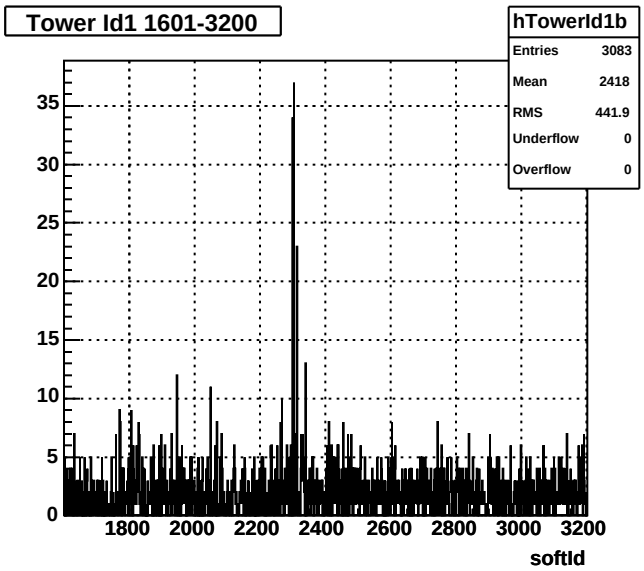

L2 processing time
hTime
Entries 9459
Mean 283.7
RMS 52.98
Underflow 0
Overflow 562
time [μs]

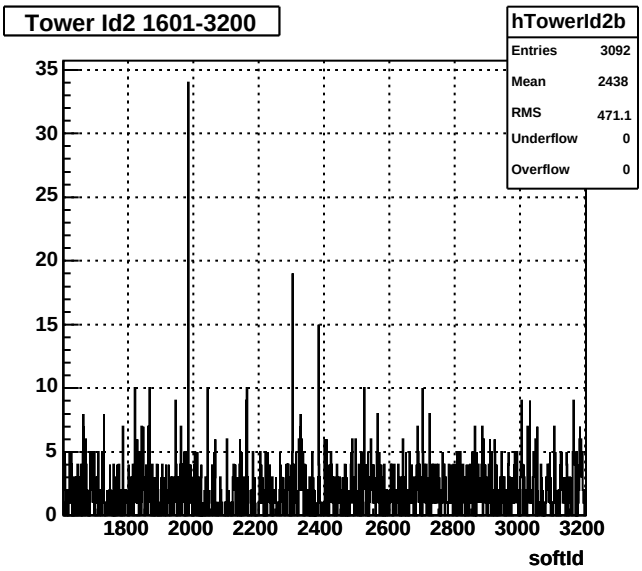

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9459
Mean 1.867
RMS 0.05864
Underflow 0
Overflow 0

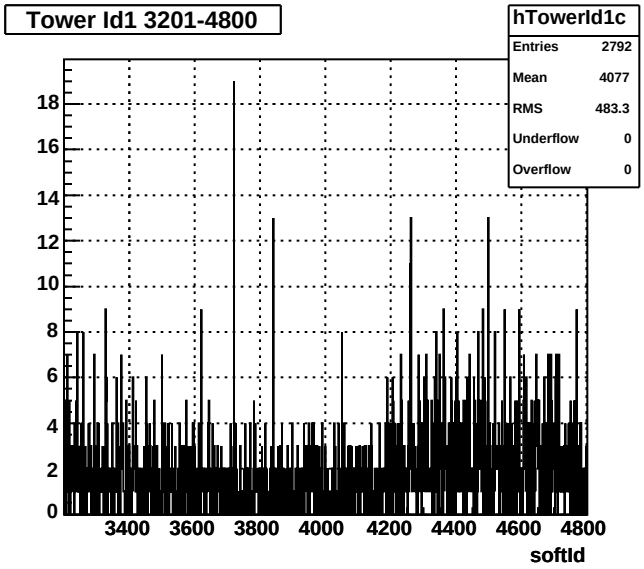

Delta Phi
hDeltaPhi
Entries 9459
Mean 2.355
RMS 0.5153
Underflow 0
Overflow 0
Δφ [radians]

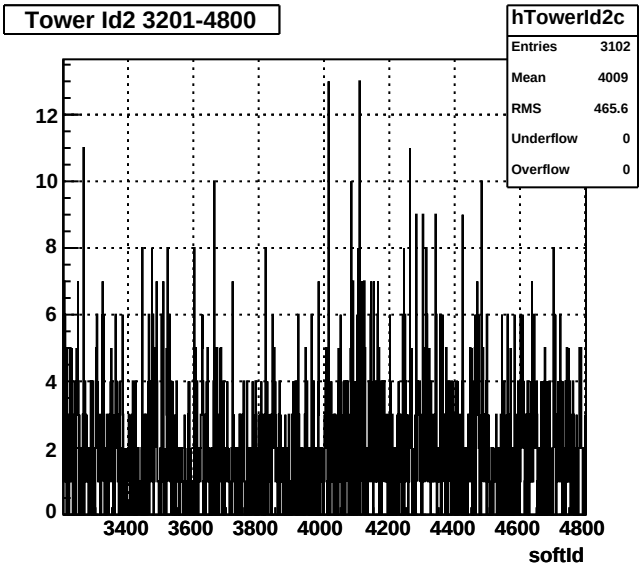

Tower Id1 1-1600
hTowerId1a
Entries 3584
Mean 796.5
RMS 446.1
Underflow 0
Overflow 0
softId

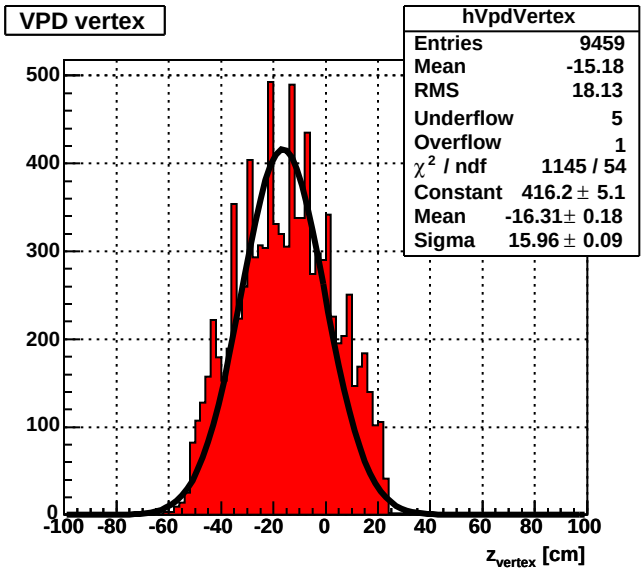

Tower Id2 1-1600
hTowerId2a
Entries 3265
Mean 825.8
RMS 447.3
Underflow 0
Overflow 0
softId

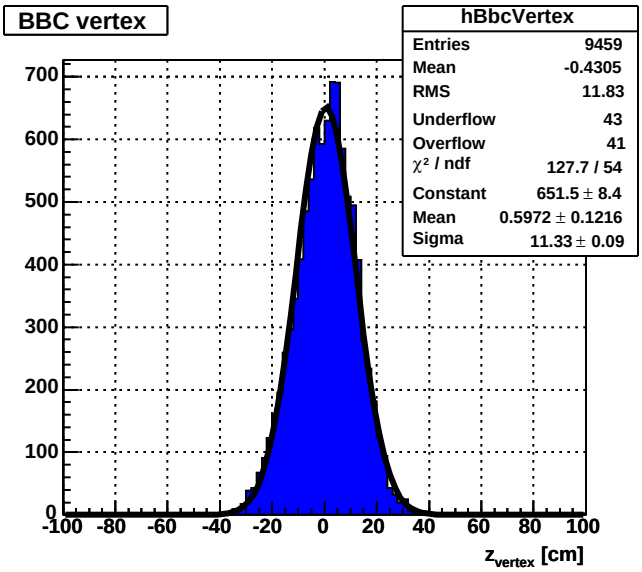

Tower Id1 1601-3200
hTowerId1b
Entries 3083
Mean 2418
RMS 441.9
Underflow 0
Overflow 0
softId

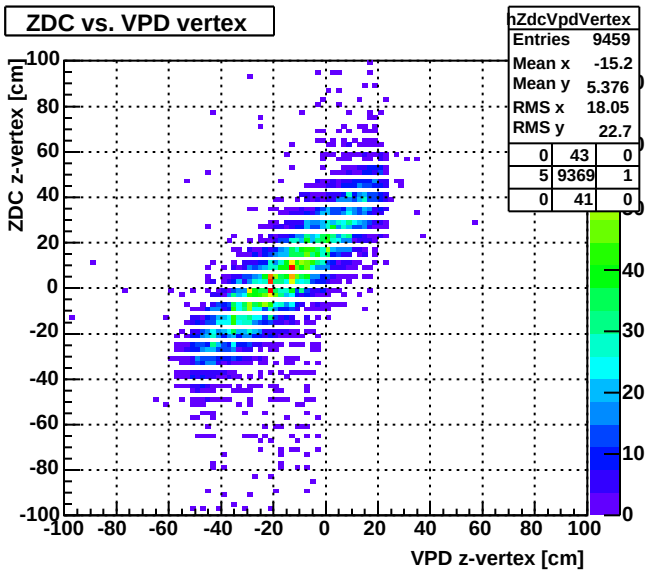

Tower Id2 1601-3200
hTowerId2b
Entries 3092
Mean 2438
RMS 471.1
Underflow 0
Overflow 0
softId

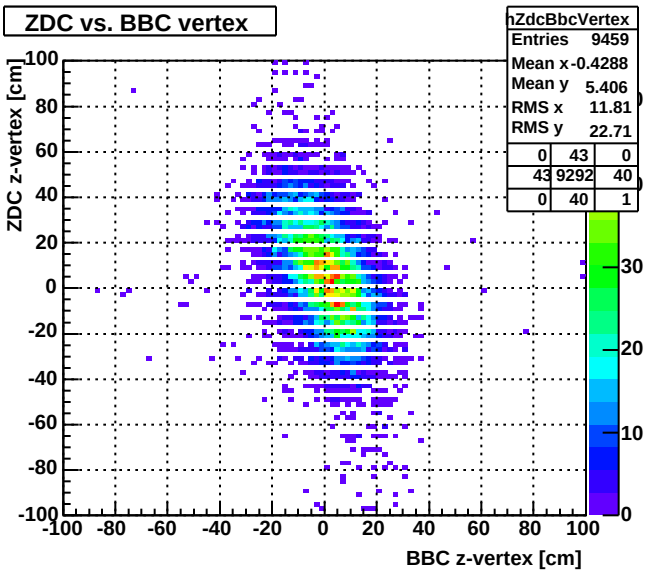

Tower Id1 3201-4800
hTowerId1c
Entries 2792
Mean 4077
RMS 483.3
Underflow 0
Overflow 0
softId

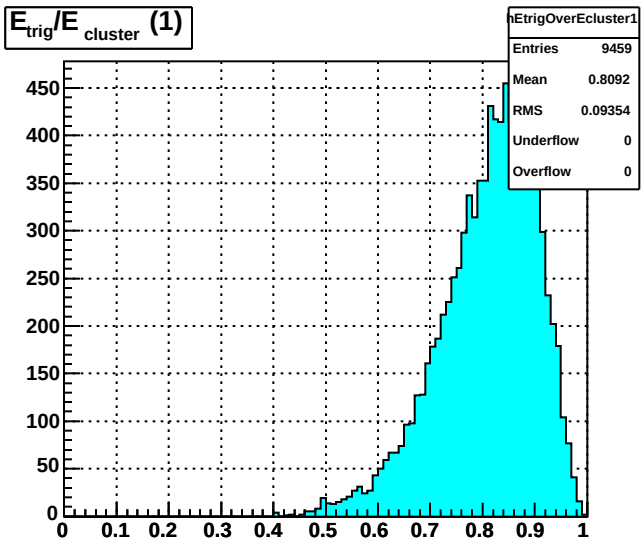

Tower Id2 3201-4800
hTowerId2c
Entries 3102
Mean 4009
RMS 465.6
Underflow 0
Overflow 0
softId

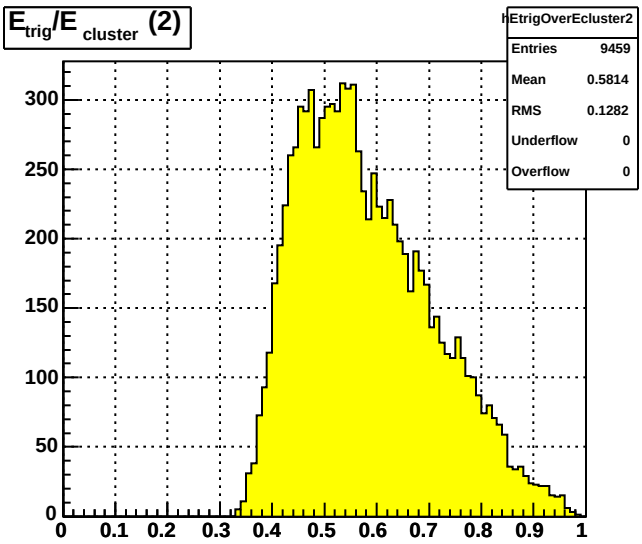

VPD vertex
hVpdVertex
Entries 9459
Mean -15.18
RMS 18.13
Underflow 5
Overflow 1
χ² / ndf 1145 / 54
Constant 416.2 ± 5.1
Mean -16.31 ± 0.18
Sigma 15.96 ± 0.09
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9459
Mean -0.4305
RMS 11.83
Underflow 43
Overflow 41
χ² / ndf 127.7 / 54
Constant 651.5 ± 8.4
Mean 0.5972 ± 0.1216
Sigma 11.33 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9459
Mean x -15.2
Mean y 5.376
RMS x 18.05
RMS y 22.7
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9459
Mean x -0.4288
Mean y 5.406
RMS x 11.81
RMS y 22.71
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9459
Mean 0.8092
RMS 0.09354
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9459
Mean 0.5814
RMS 0.1282
Underflow 0
Overflow 0