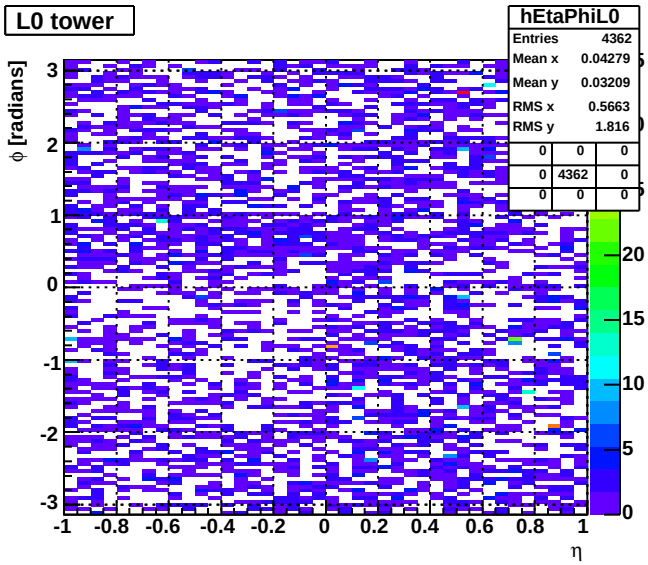
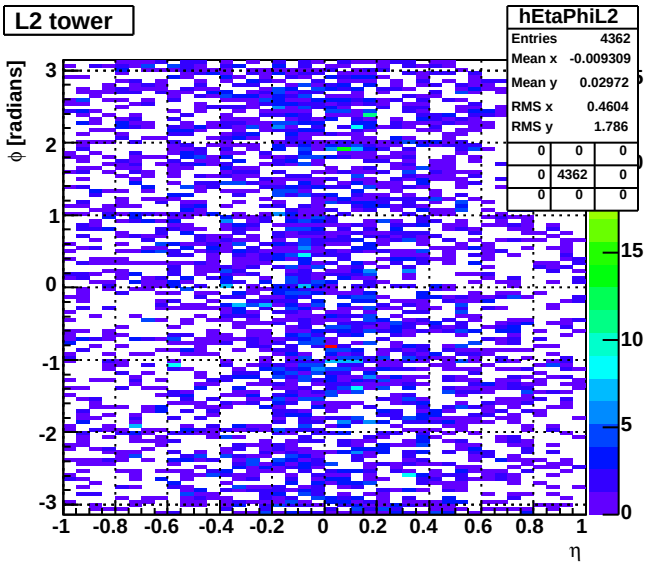
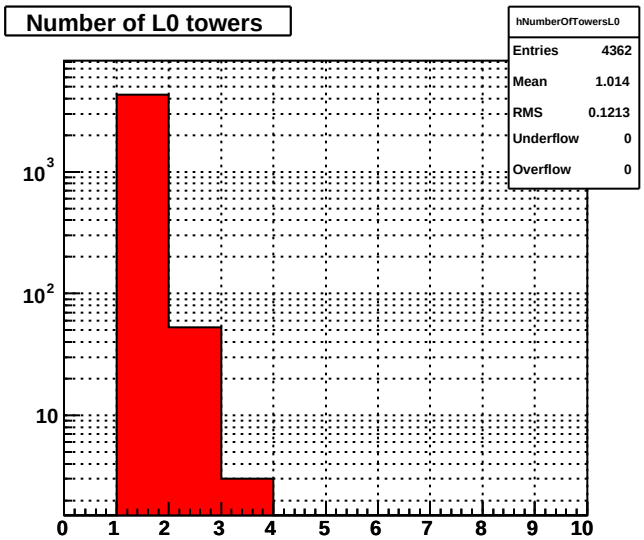
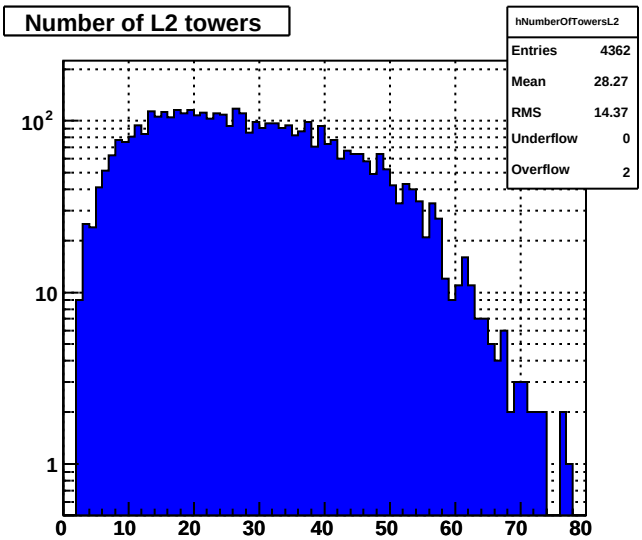
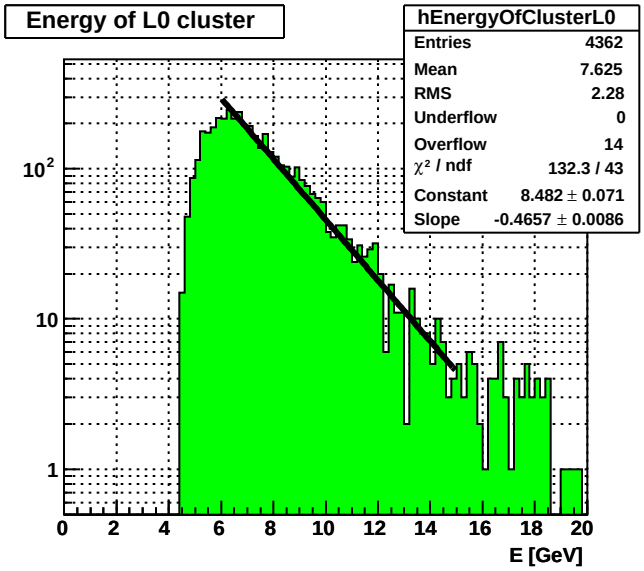
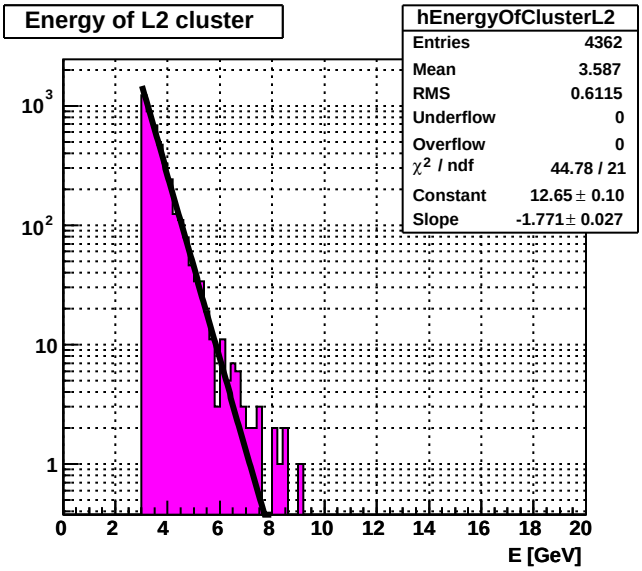

L0 tower
hEtaPhiL0
Entries 4362
Mean x 0.04279
Mean y 0.03209
RMS x 0.5663
RMS y 1.816
φ [radians]
η

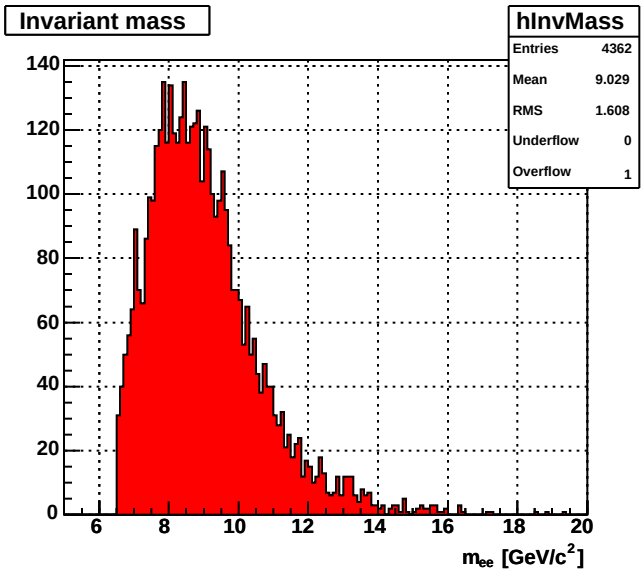

L2 tower
hEtaPhiL2
Entries 4362
Mean x -0.009309
Mean y 0.02972
RMS x 0.4604
RMS y 1.786
φ [radians]
η

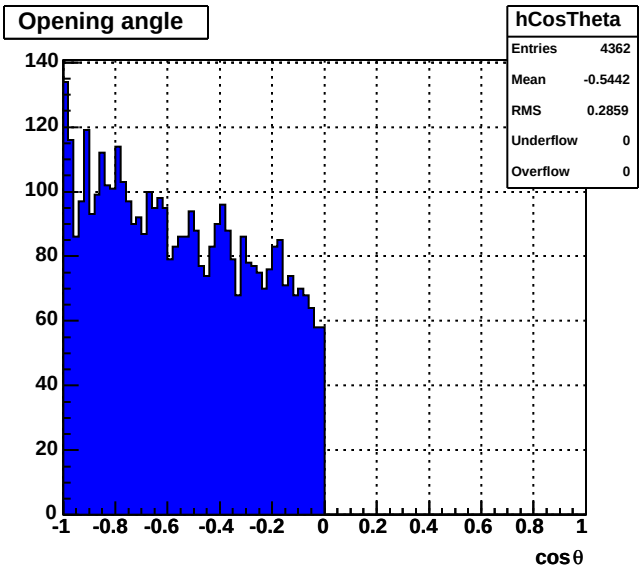

Number of L0 towers
hNumberOfTowersL0
Entries 4362
Mean 1.014
RMS 0.1213
Underflow 0
Overflow 0

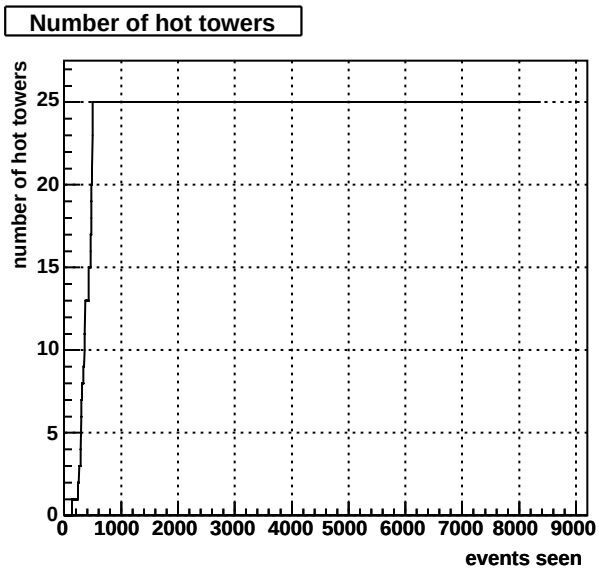

Number of L2 towers
hNumberOfTowersL2
Entries 4362
Mean 28.27
RMS 14.37
Underflow 0
Overflow 2

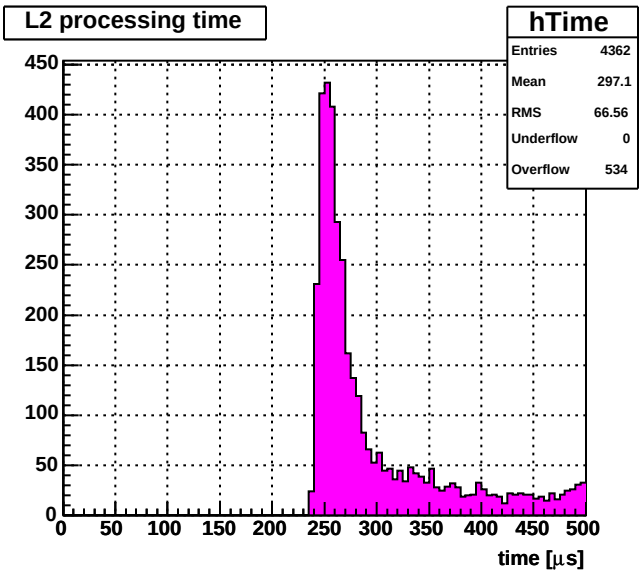

Energy of L0 cluster
hEnergyOfClusterL0
Entries 4362
Mean 7.625
RMS 2.28
Underflow 0
Overflow 14
χ² / ndf 132.3 / 43
Constant 8.482 ± 0.071
Slope -0.4657 ± 0.0086
E [GeV]

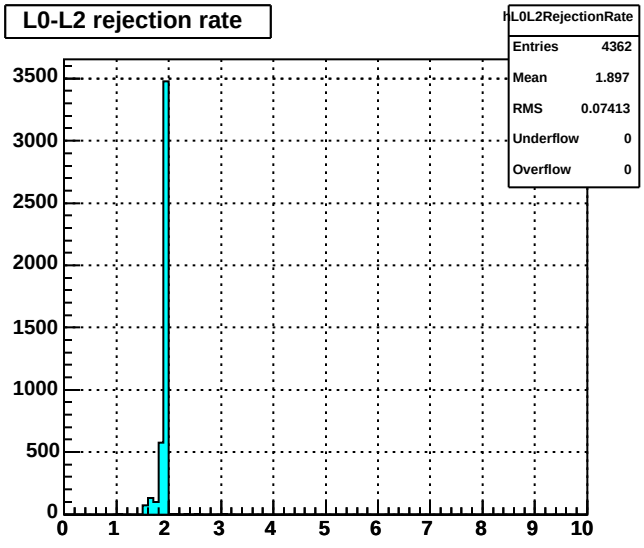

Energy of L2 cluster
hEnergyOfClusterL2
Entries 4362
Mean 3.587
RMS 0.6115
Underflow 0
Overflow 0
χ² / ndf 44.78 / 21
Constant 12.65 ± 0.10
Slope -1.771 ± 0.027
E [GeV]

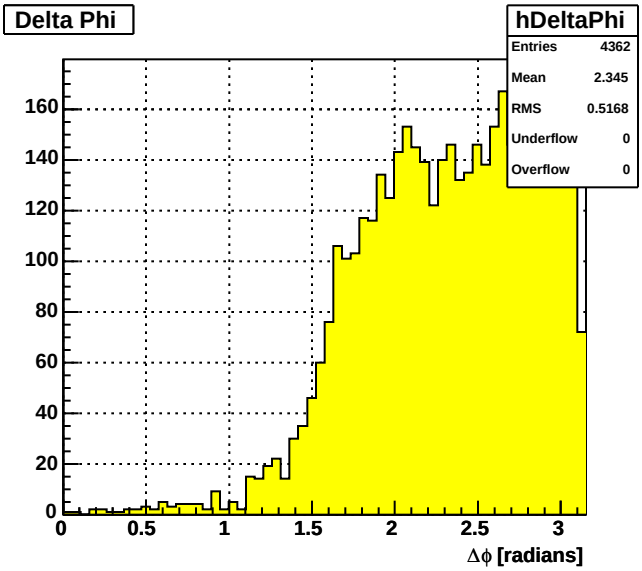

Invariant mass
hInvMass
Entries 4362
Mean 9.029
RMS 1.608
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

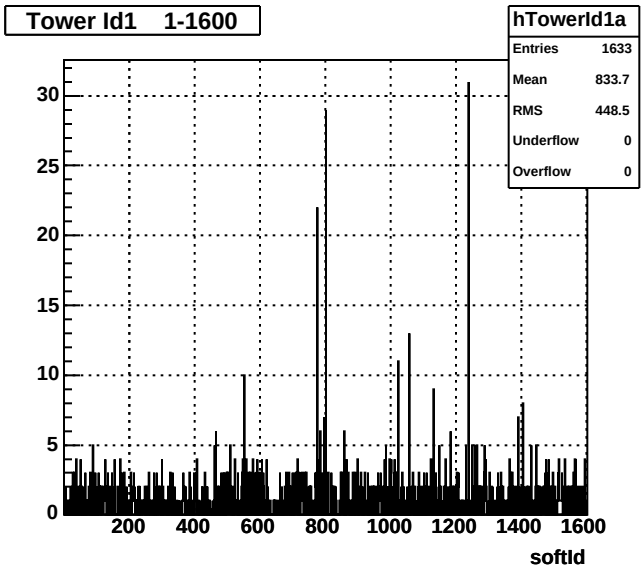

Opening angle
hCosTheta
Entries 4362
Mean -0.5442
RMS 0.2859
Underflow 0
Overflow 0
cos θ

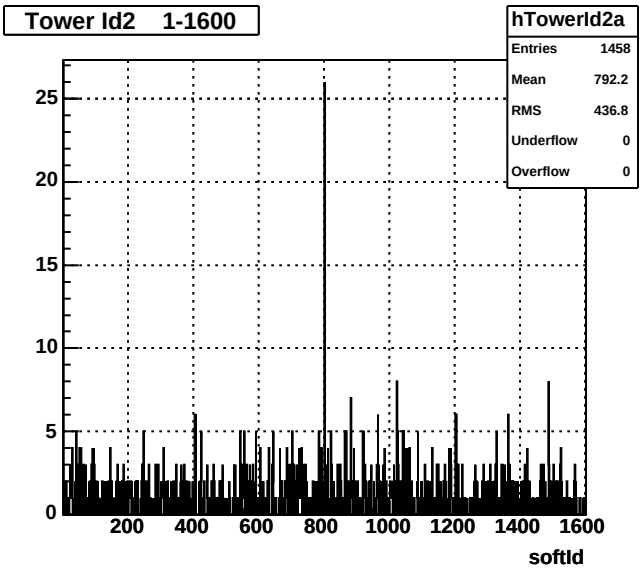

Number of hot towers
number of hot towers
events seen

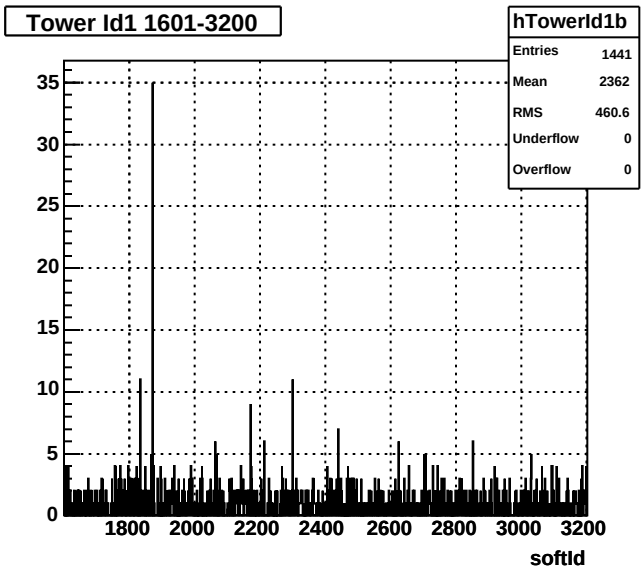

L2 processing time
hTime
Entries 4362
Mean 297.1
RMS 66.56
Underflow 0
Overflow 534
time [μs]

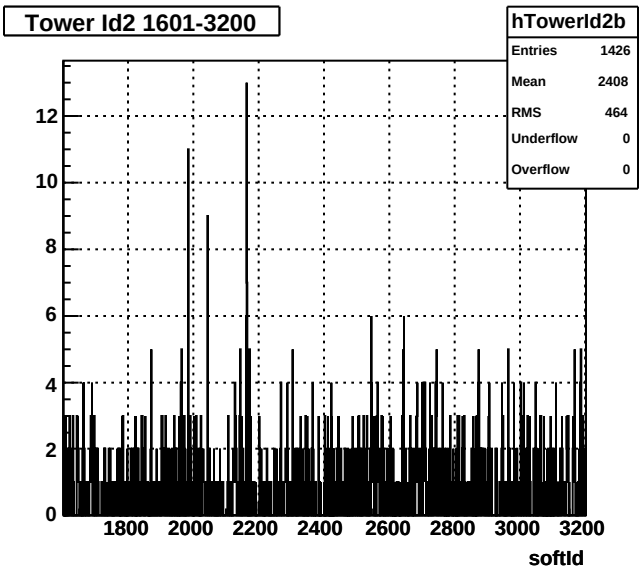

L0-L2 rejection rate
hL0L2RejectionRate
Entries 4362
Mean 1.897
RMS 0.07413
Underflow 0
Overflow 0

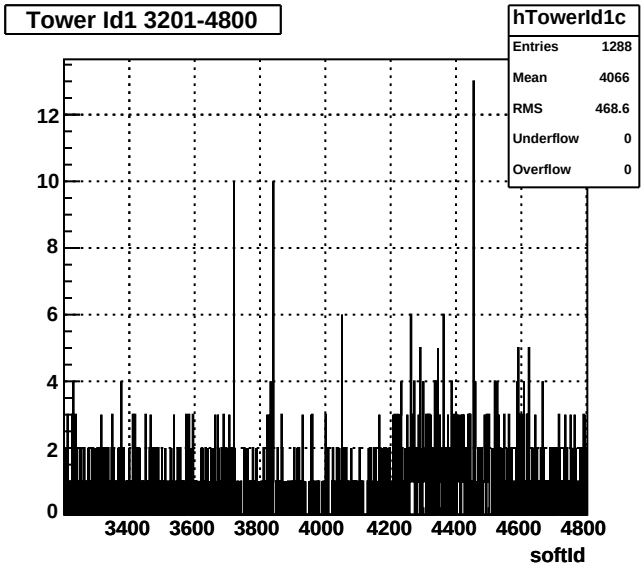

Delta Phi
hDeltaPhi
Entries 4362
Mean 2.345
RMS 0.5168
Underflow 0
Overflow 0
Δφ [radians]

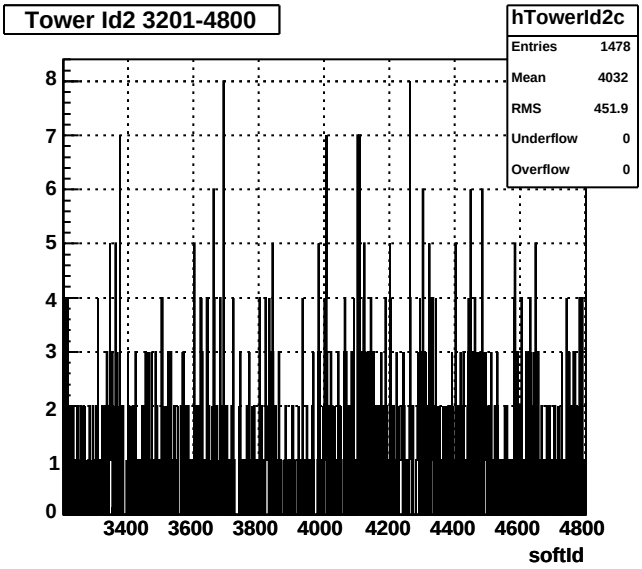

Tower Id1 1-1600
hTowerId1a
Entries 1633
Mean 833.7
RMS 448.5
Underflow 0
Overflow 0
softId

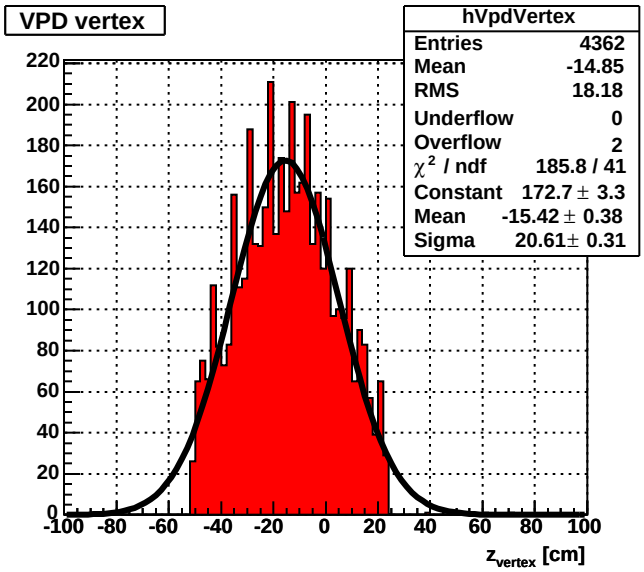

Tower Id2 1-1600
hTowerId2a
Entries 1458
Mean 792.2
RMS 436.8
Underflow 0
Overflow 0
softId

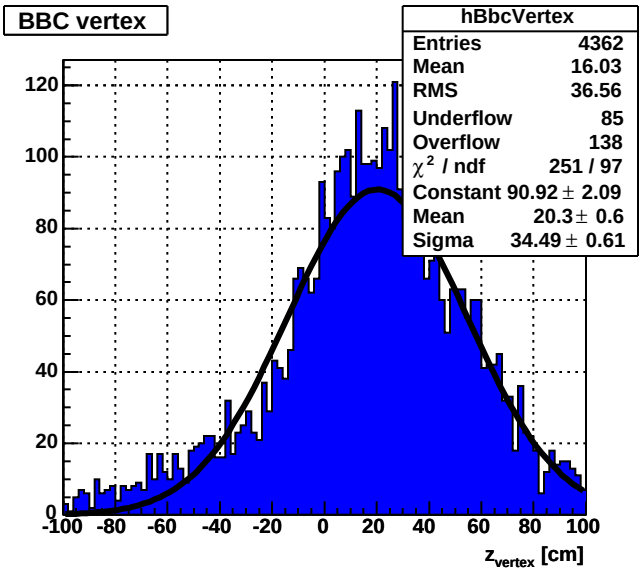

Tower Id1 1601-3200
hTowerId1b
Entries 1441
Mean 2362
RMS 460.6
Underflow 0
Overflow 0
softId

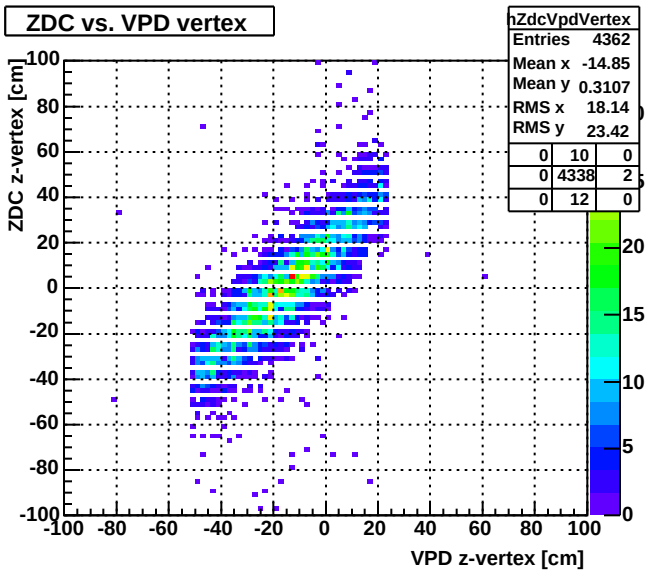

Tower Id2 1601-3200
hTowerId2b
Entries 1426
Mean 2408
RMS 464
Underflow 0
Overflow 0
softId

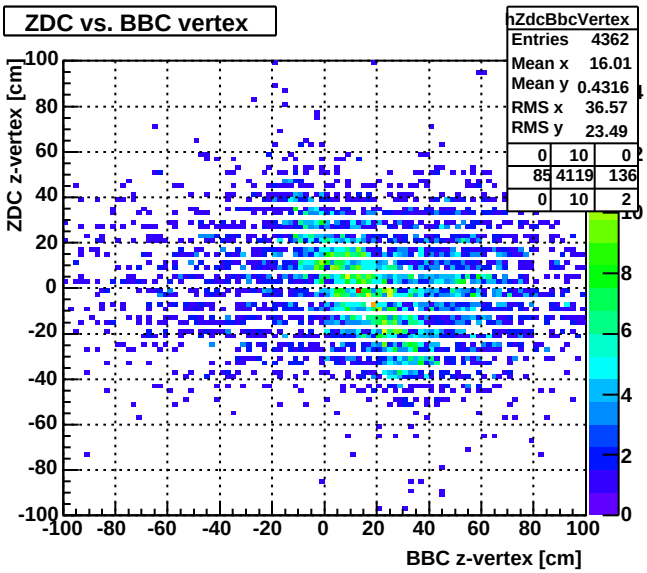

Tower Id1 3201-4800
hTowerId1c
Entries 1288
Mean 4066
RMS 468.6
Underflow 0
Overflow 0
softId

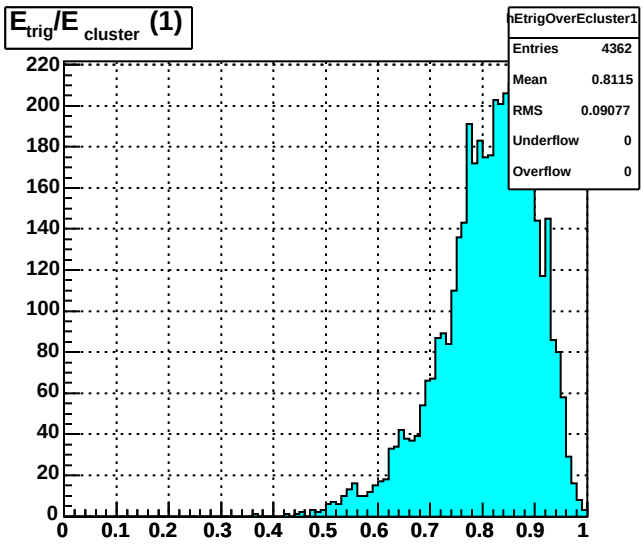

Tower Id2 3201-4800
hTowerId2c
Entries 1478
Mean 4032
RMS 451.9
Underflow 0
Overflow 0
softId

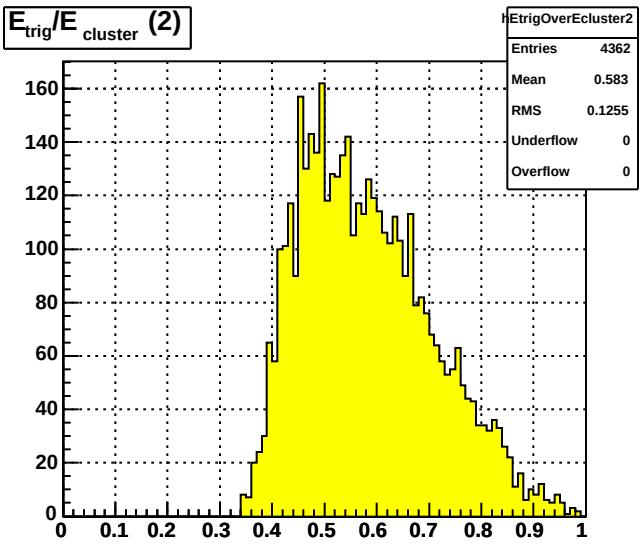

VPD vertex
hVpdVertex
Entries 4362
Mean -14.85
RMS 18.18
Underflow 0
Overflow 2
χ² / ndf 185.8 / 41
Constant 172.7 ± 3.3
Mean -15.42 ± 0.38
Sigma 20.61 ± 0.31
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 4362
Mean 16.03
RMS 36.56
Underflow 85
Overflow 138
χ² / ndf 251 / 97
Constant 90.92 ± 2.09
Mean 20.3 ± 0.6
Sigma 34.49 ± 0.61
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 4362
Mean x -14.85
Mean y 0.3107
RMS x 18.14
RMS y 23.42
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 4362
Mean x 16.01
Mean y 0.4316
RMS x 36.57
RMS y 23.49
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 4362
Mean 0.8115
RMS 0.09077
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 4362
Mean 0.583
RMS 0.1255
Underflow 0
Overflow 0