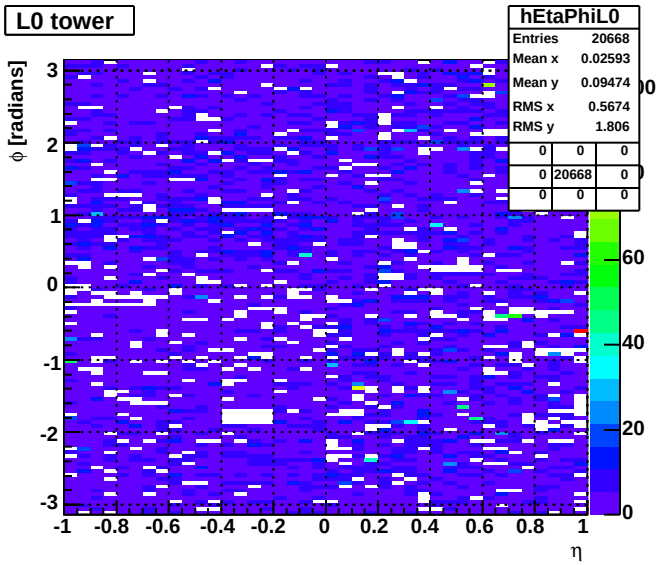
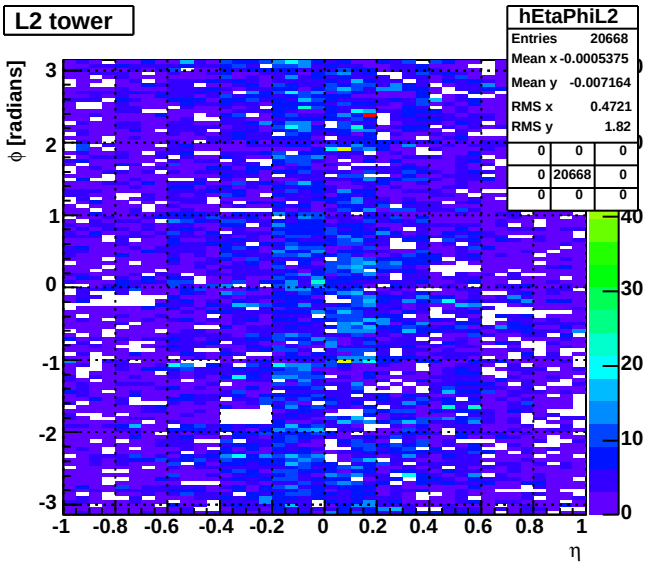
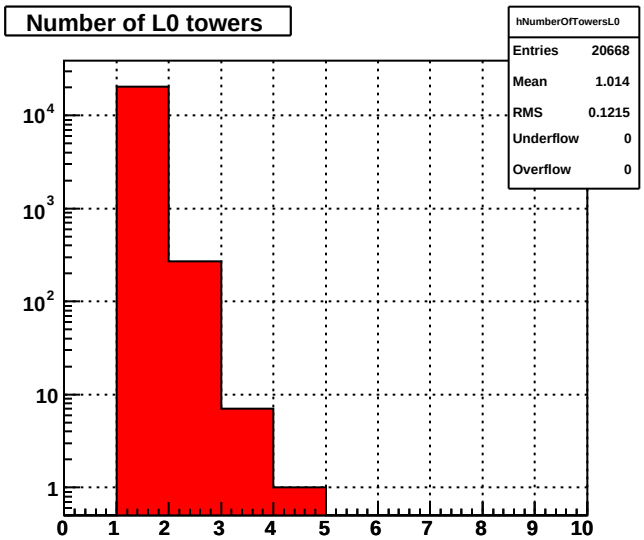
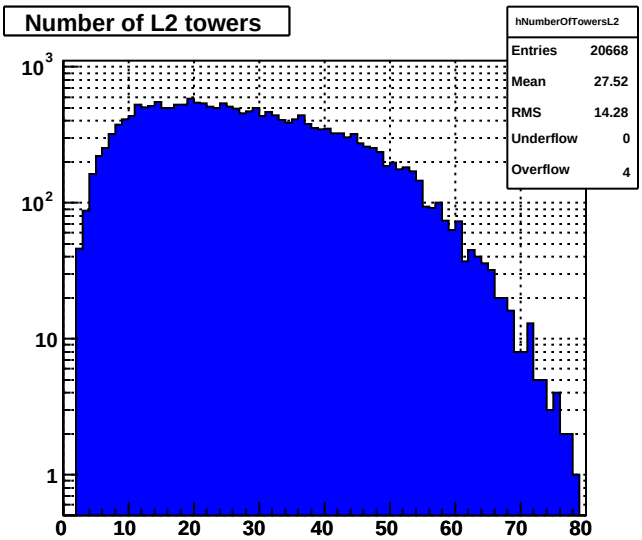
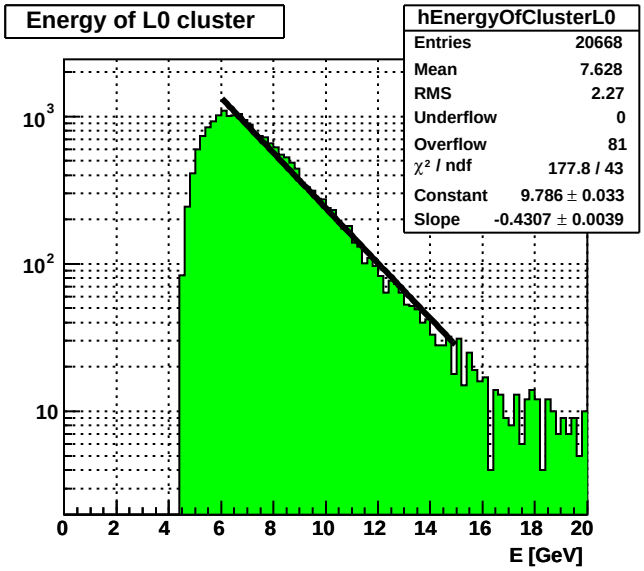
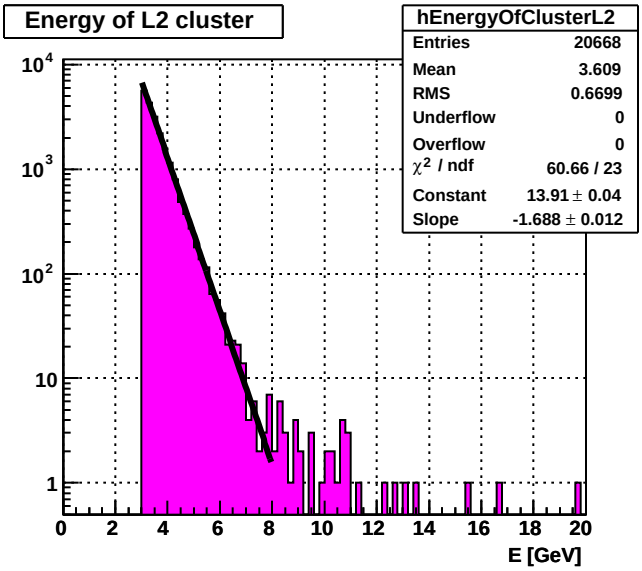

L0 tower
hEtaPhiL0
Entries 20668
Mean x 0.02593
Mean y 0.09474
RMS x 0.5674
RMS y 1.806
φ [radians]
η

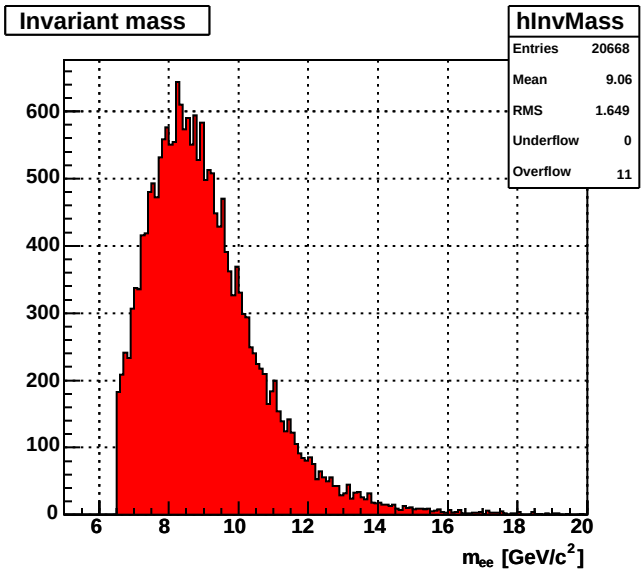

L2 tower
hEtaPhiL2
Entries 20668
Mean x -0.0005375
Mean y -0.007164
RMS x 0.4721
RMS y 1.82
φ [radians]
η

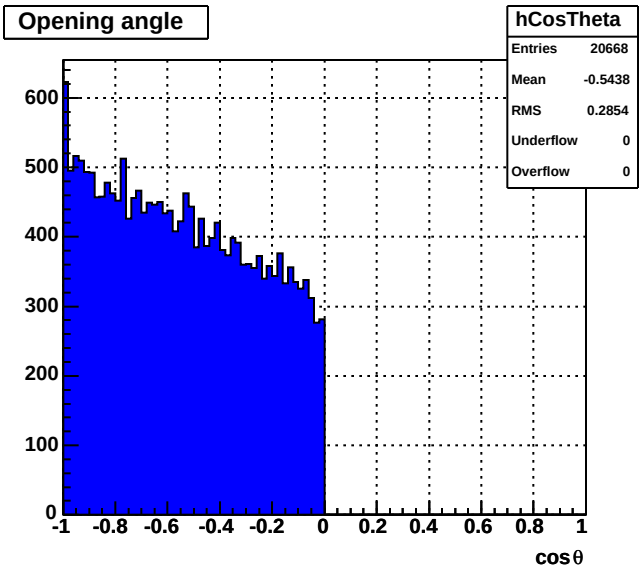

Number of L0 towers
hNumberOfTowersL0
Entries 20668
Mean 1.014
RMS 0.1215
Underflow 0
Overflow 0

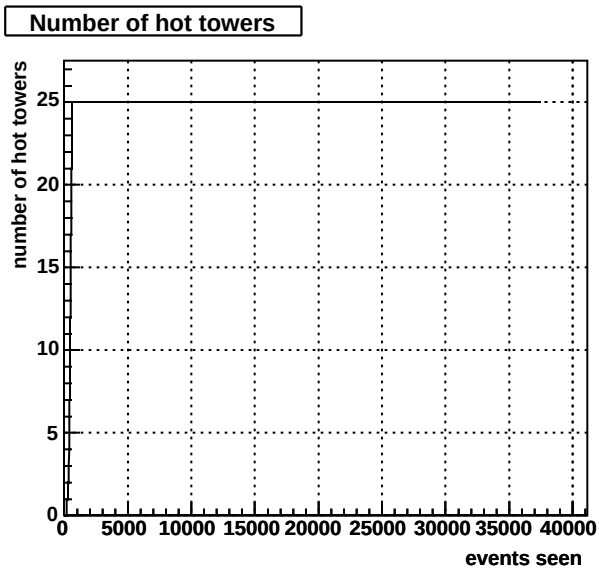

Number of L2 towers
hNumberOfTowersL2
Entries 20668
Mean 27.52
RMS 14.28
Underflow 0
Overflow 4

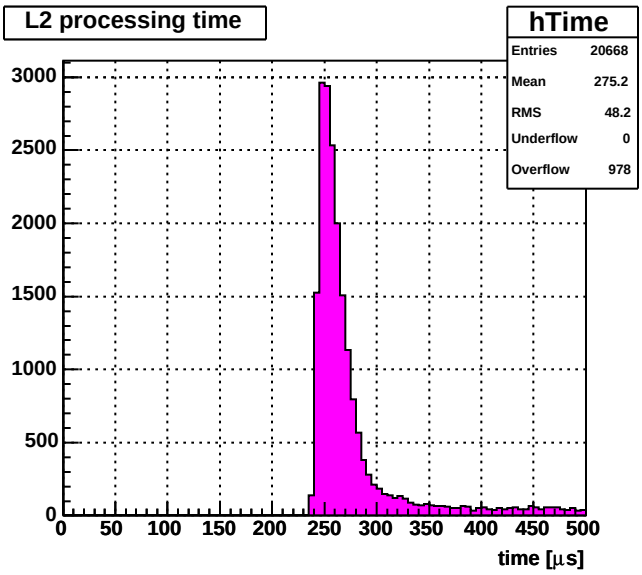

Energy of L0 cluster
hEnergyOfClusterL0
Entries 20668
Mean 7.628
RMS 2.27
Underflow 0
Overflow 81
χ² / ndf 177.8 / 43
Constant 9.786 ± 0.033
Slope -0.4307 ± 0.0039
E [GeV]

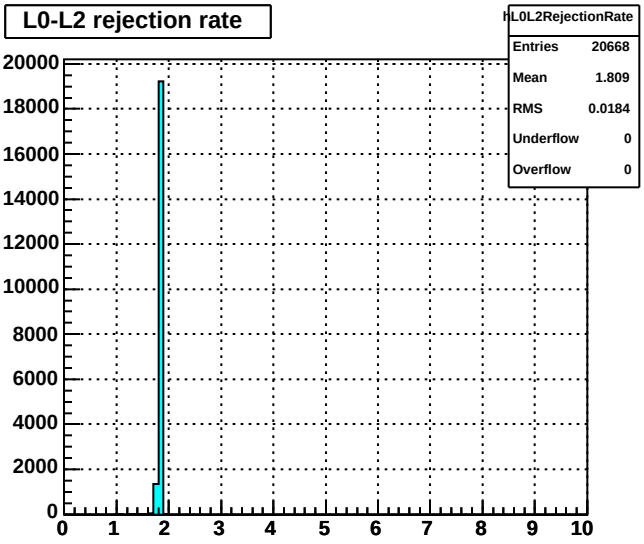

Energy of L2 cluster
hEnergyOfClusterL2
Entries 20668
Mean 3.609
RMS 0.6699
Underflow 0
Overflow 0
χ² / ndf 60.66 / 23
Constant 13.91 ± 0.04
Slope -1.688 ± 0.012
E [GeV]

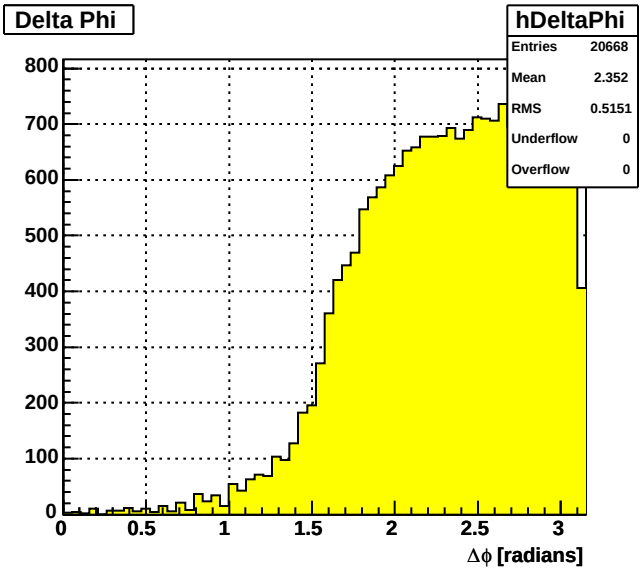

Invariant mass
hInvMass
Entries 20668
Mean 9.06
RMS 1.649
Underflow 0
Overflow 11
m_{ee} [GeV/c^2]

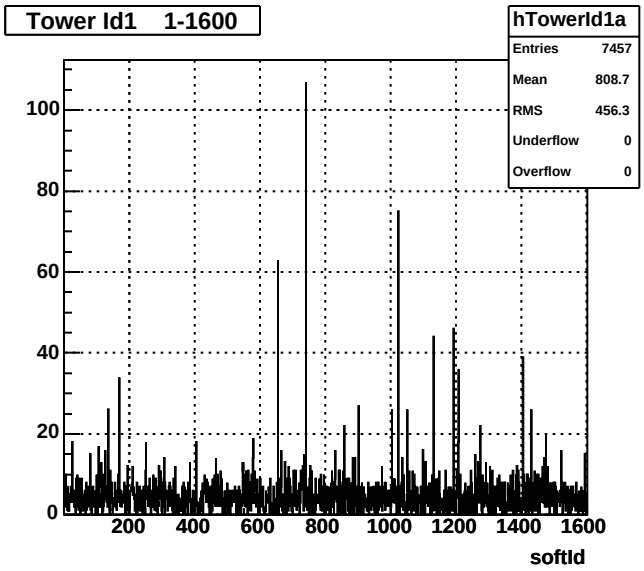

Opening angle
hCosTheta
Entries 20668
Mean -0.5438
RMS 0.2854
Underflow 0
Overflow 0
cos θ

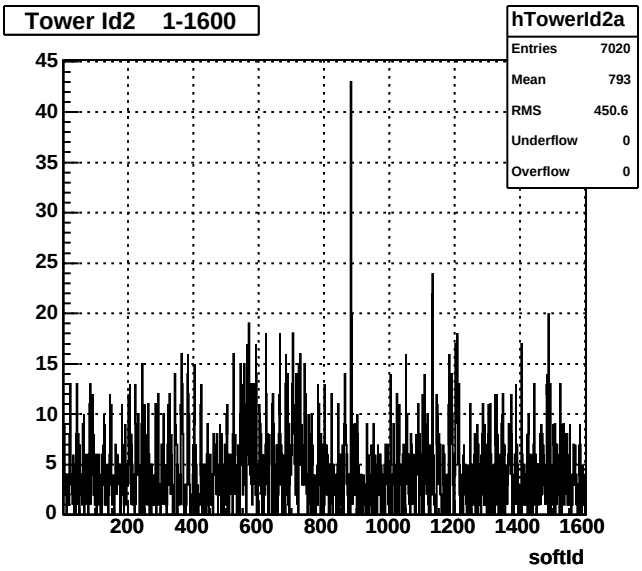

Number of hot towers
number of hot towers
events seen

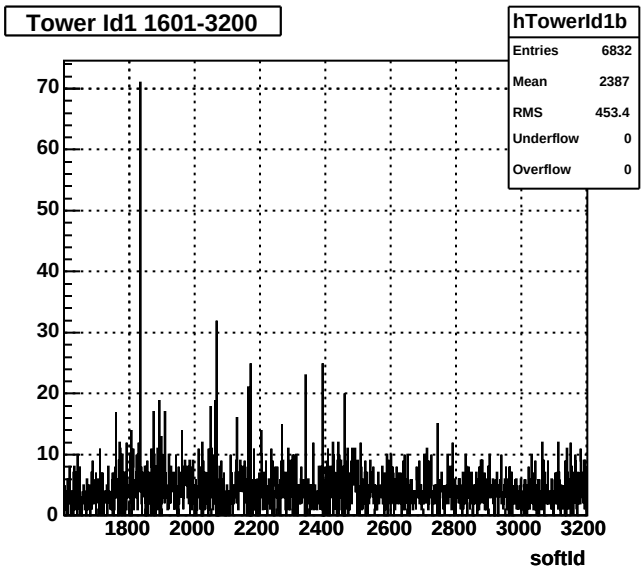

L2 processing time
hTime
Entries 20668
Mean 275.2
RMS 48.2
Underflow 0
Overflow 978
time [μs]

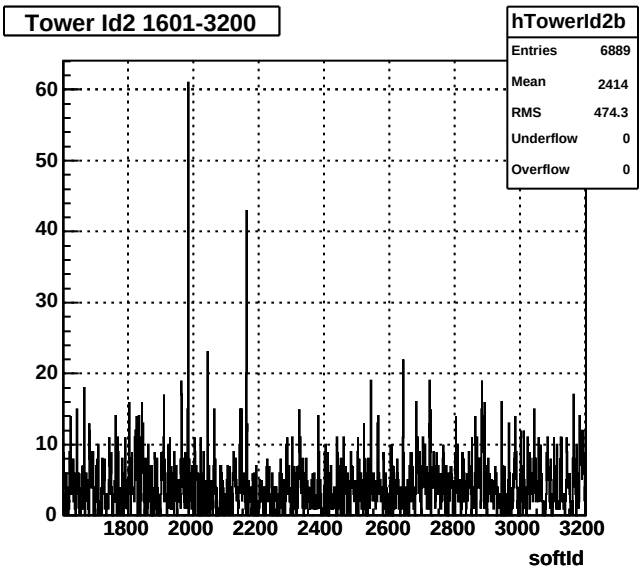

L0-L2 rejection rate
hL0L2RejectionRate
Entries 20668
Mean 1.809
RMS 0.0184
Underflow 0
Overflow 0

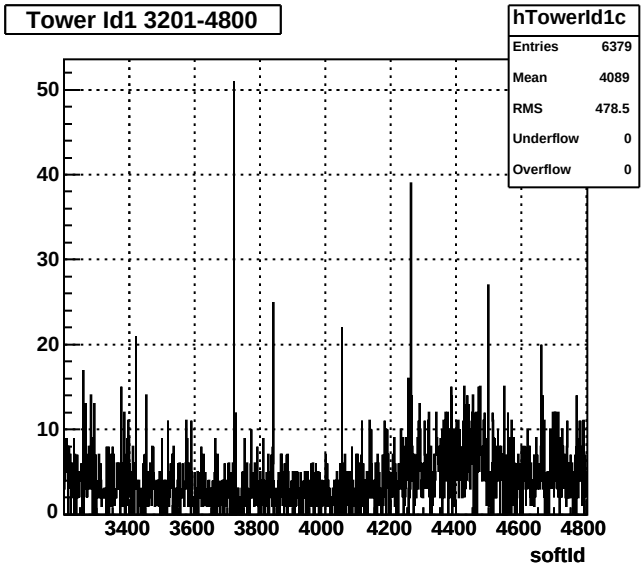

Delta Phi
hDeltaPhi
Entries 20668
Mean 2.352
RMS 0.5151
Underflow 0
Overflow 0
Δφ [radians]

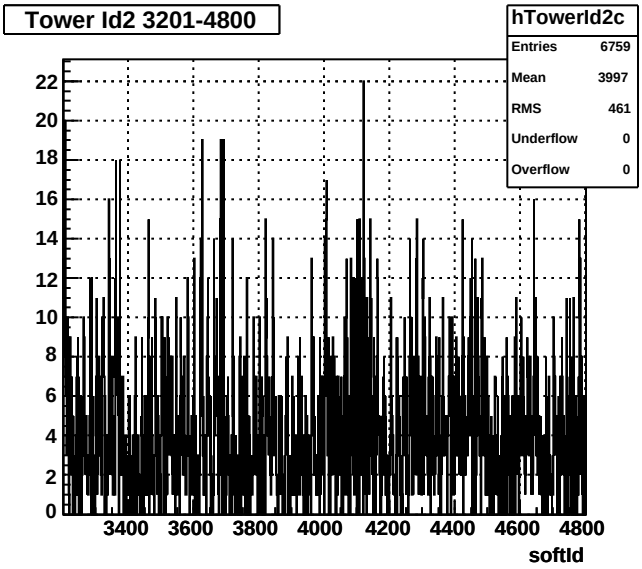

Tower Id1 1-1600
hTowerId1a
Entries 7457
Mean 808.7
RMS 456.3
Underflow 0
Overflow 0
softId

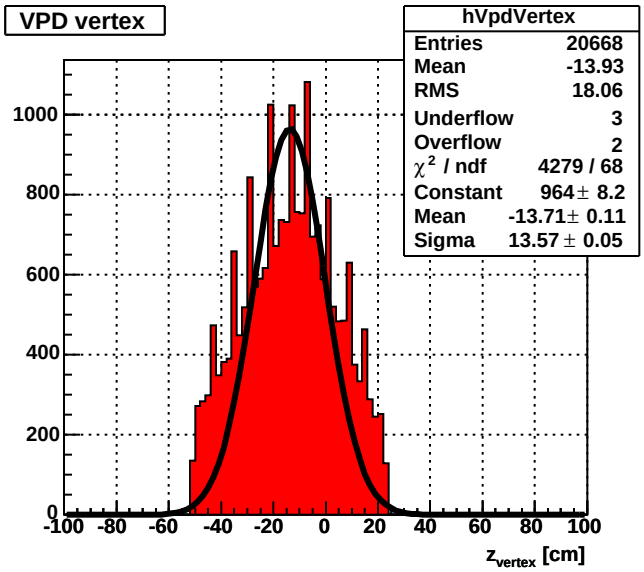

Tower Id2 1-1600
hTowerId2a
Entries 7020
Mean 793
RMS 450.6
Underflow 0
Overflow 0
softId

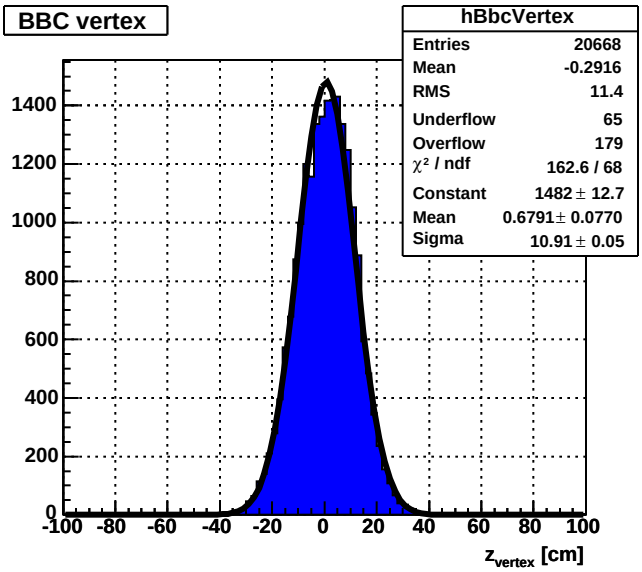

Tower Id1 1601-3200
hTowerId1b
Entries 6832
Mean 2387
RMS 453.4
Underflow 0
Overflow 0
softId

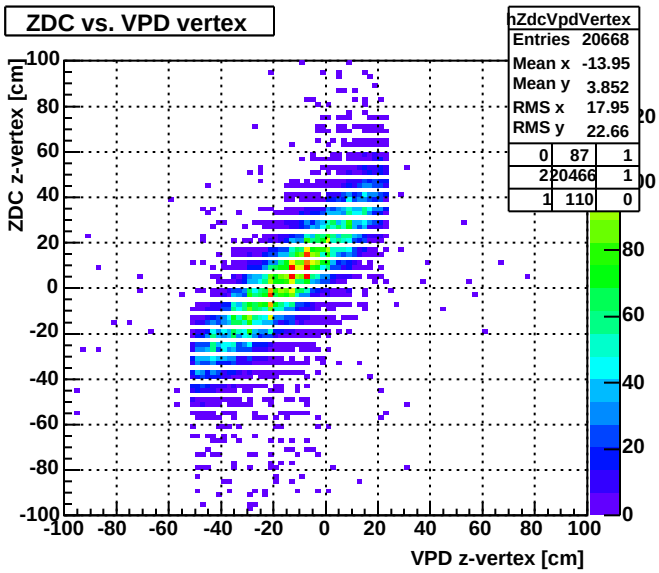

Tower Id2 1601-3200
hTowerId2b
Entries 6889
Mean 2414
RMS 474.3
Underflow 0
Overflow 0
softId

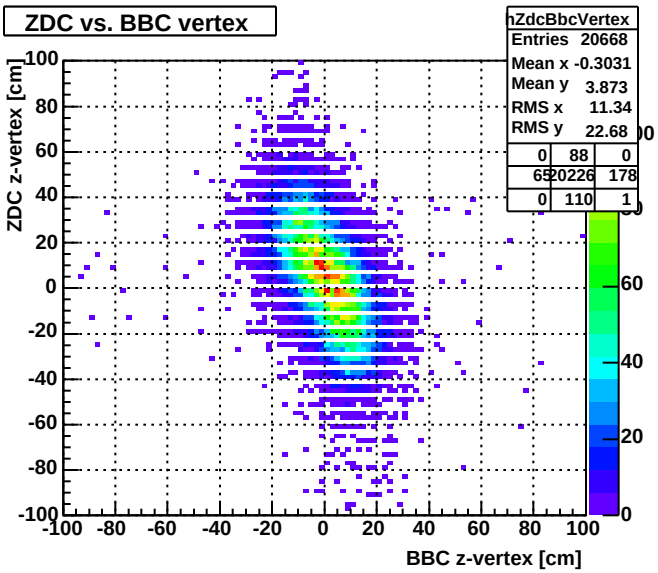

Tower Id1 3201-4800
hTowerId1c
Entries 6379
Mean 4089
RMS 478.5
Underflow 0
Overflow 0
softId

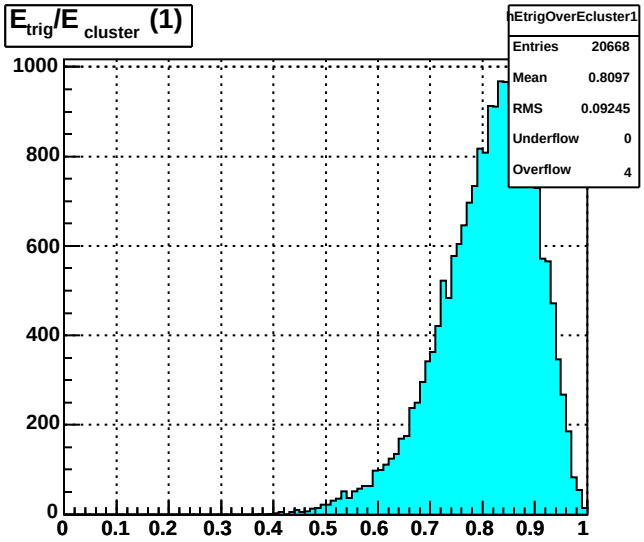

Tower Id2 3201-4800
hTowerId2c
Entries 6759
Mean 3997
RMS 461
Underflow 0
Overflow 0
softId

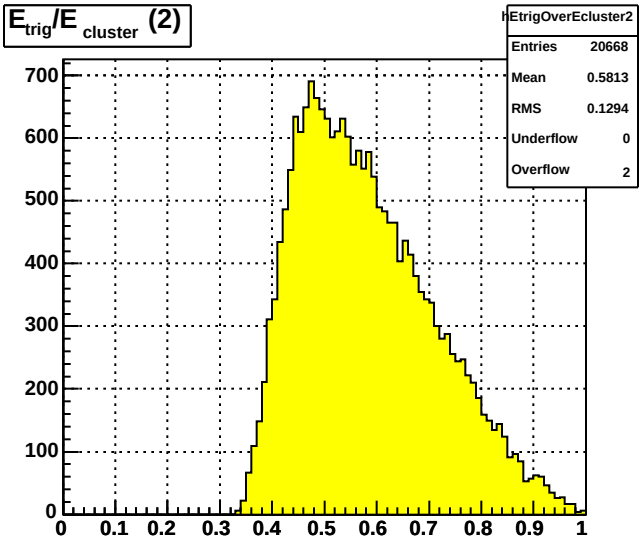

VPD vertex
hVpdVertex
Entries 20668
Mean -13.93
RMS 18.06
Underflow 3
Overflow 2
χ² / ndf 4279 / 68
Constant 964 ± 8.2
Mean -13.71 ± 0.11
Sigma 13.57 ± 0.05
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 20668
Mean -0.2916
RMS 11.4
Underflow 65
Overflow 179
χ² / ndf 162.6 / 68
Constant 1482 ± 12.7
Mean 0.6791 ± 0.0770
Sigma 10.91 ± 0.05
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 20668
Mean x -13.95
Mean y 3.852
RMS x 17.95
RMS y 22.66
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 20668
Mean x -0.3031
Mean y 3.873
RMS x 11.34
RMS y 22.68
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 20668
Mean 0.8097
RMS 0.09245
Underflow 0
Overflow 4


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 20668
Mean 0.5813
RMS 0.1294
Underflow 0
Overflow 2