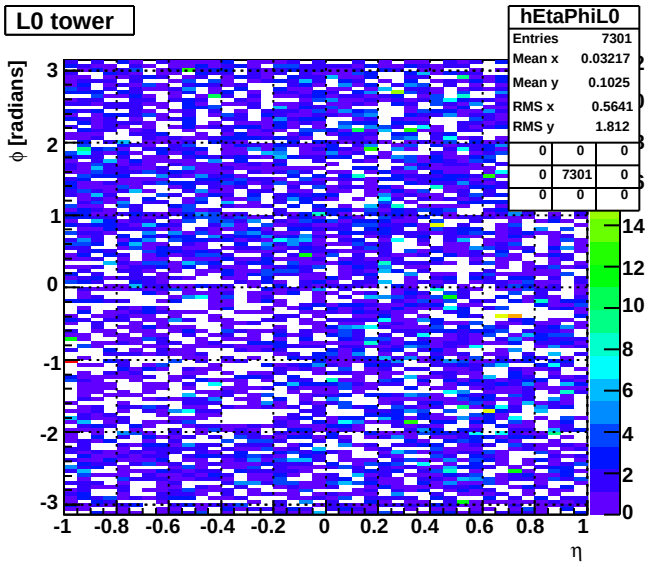
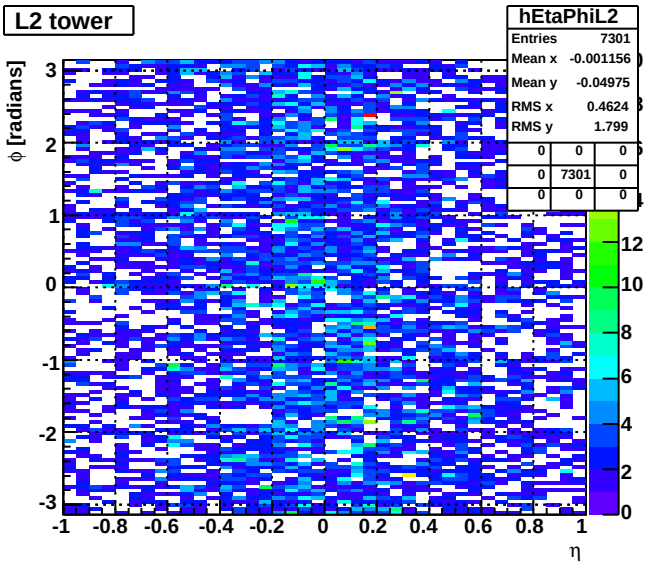
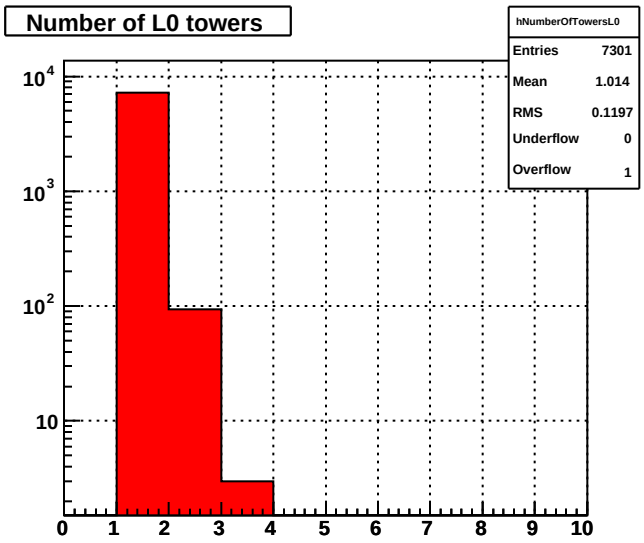
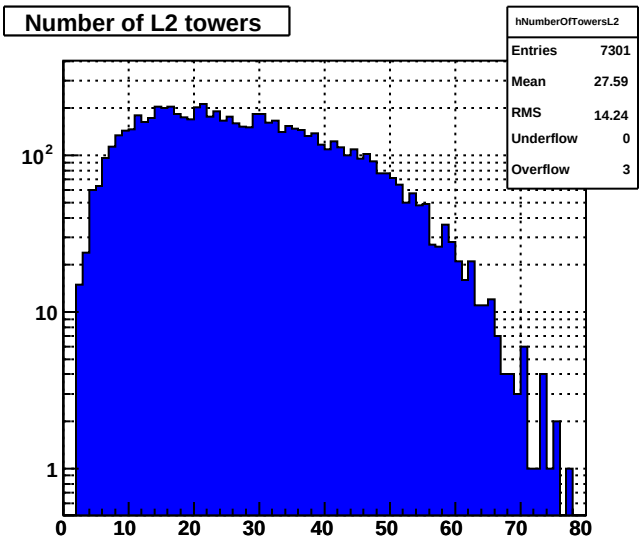
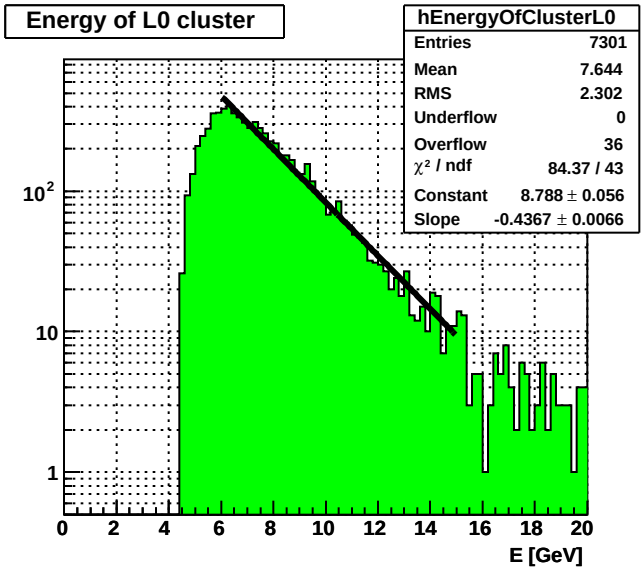
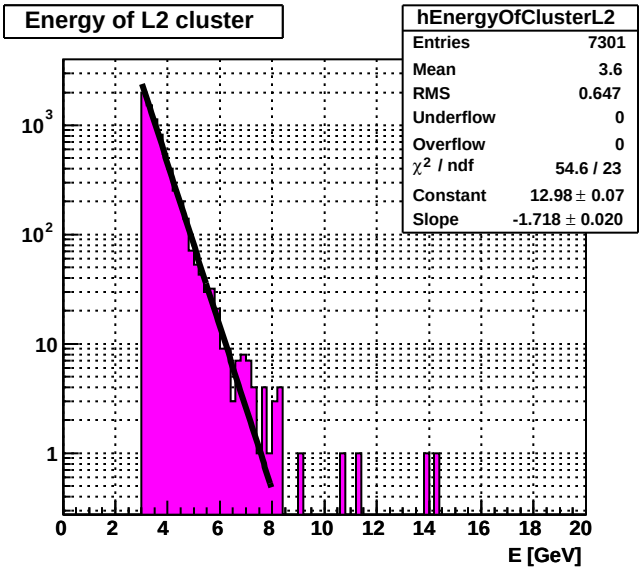

L0 tower
hEtaPhiL0
Entries 7301
Mean x 0.03217
Mean y 0.1025
RMS x 0.5641
RMS y 1.812
φ [radians]
η

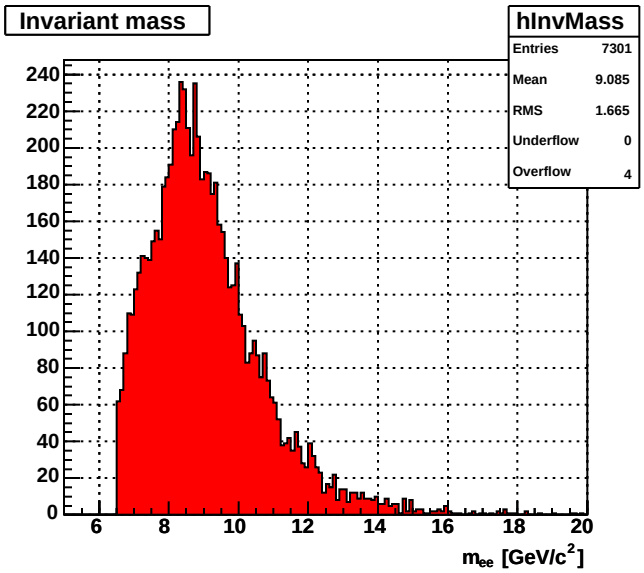

L2 tower
hEtaPhiL2
Entries 7301
Mean x -0.001156
Mean y -0.04975
RMS x 0.4624
RMS y 1.799
φ [radians]
η

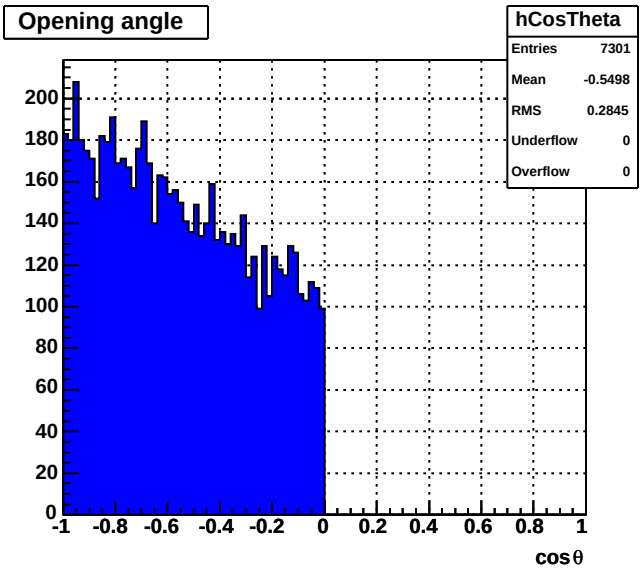

Number of L0 towers
hNumberOfTowersL0
Entries 7301
Mean 1.014
RMS 0.1197
Underflow 0
Overflow 1

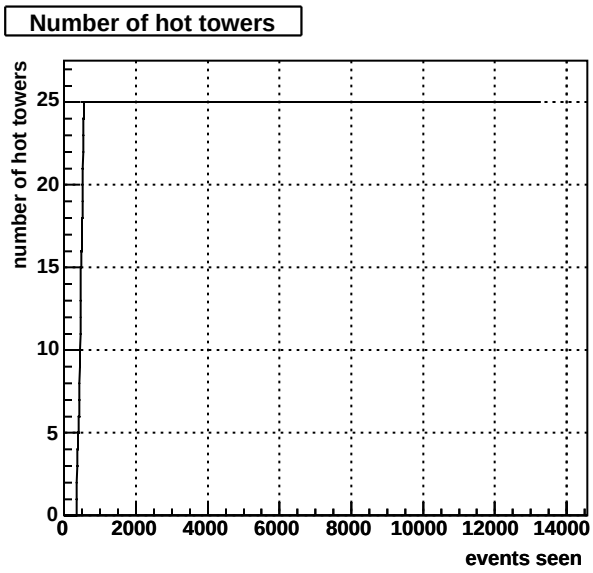

Number of L2 towers
hNumberOfTowersL2
Entries 7301
Mean 27.59
RMS 14.24
Underflow 0
Overflow 3

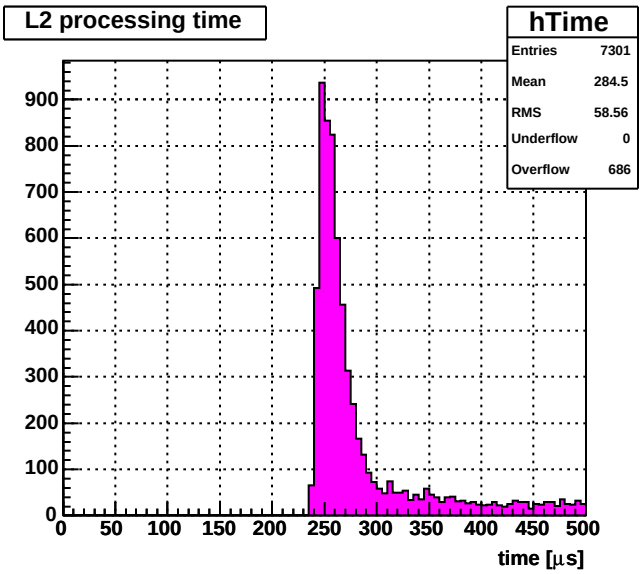

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7301
Mean 7.644
RMS 2.302
Underflow 0
Overflow 36
χ² / ndf 84.37 / 43
Constant 8.788 ± 0.056
Slope -0.4367 ± 0.0066
E [GeV]

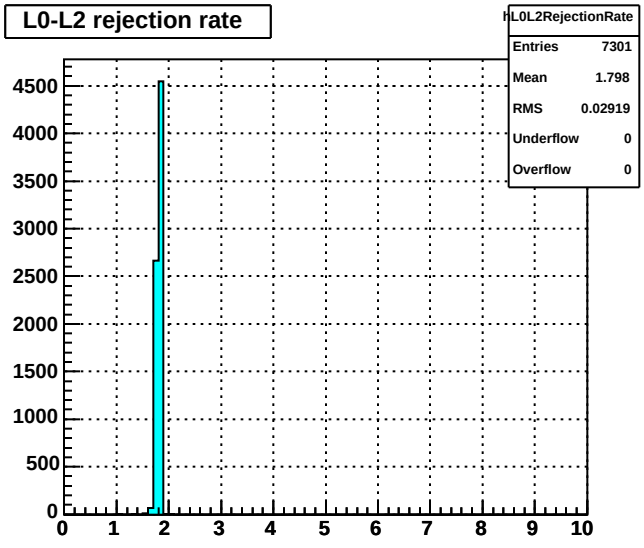

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7301
Mean 3.6
RMS 0.647
Underflow 0
Overflow 0
χ² / ndf 54.6 / 23
Constant 12.98 ± 0.07
Slope -1.718 ± 0.020
E [GeV]

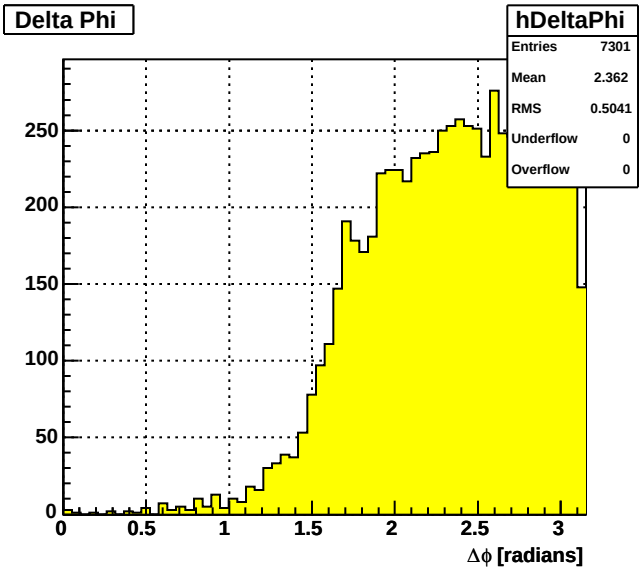

Invariant mass
hInvMass
Entries 7301
Mean 9.085
RMS 1.665
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

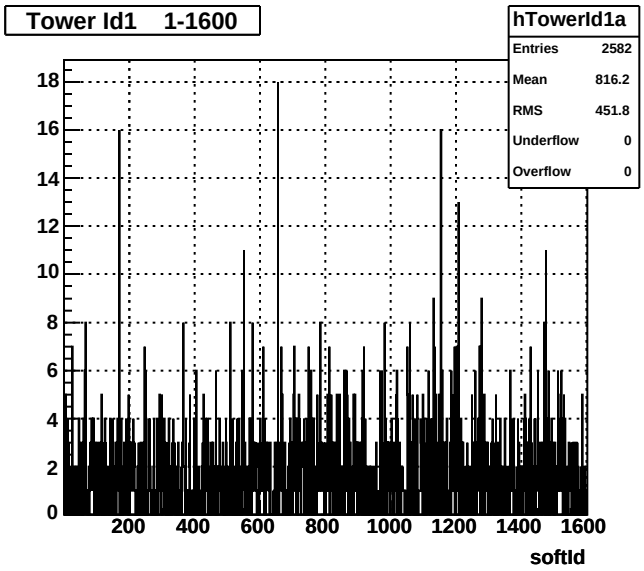

Opening angle
hCosTheta
Entries 7301
Mean -0.5498
RMS 0.2845
Underflow 0
Overflow 0
cos θ

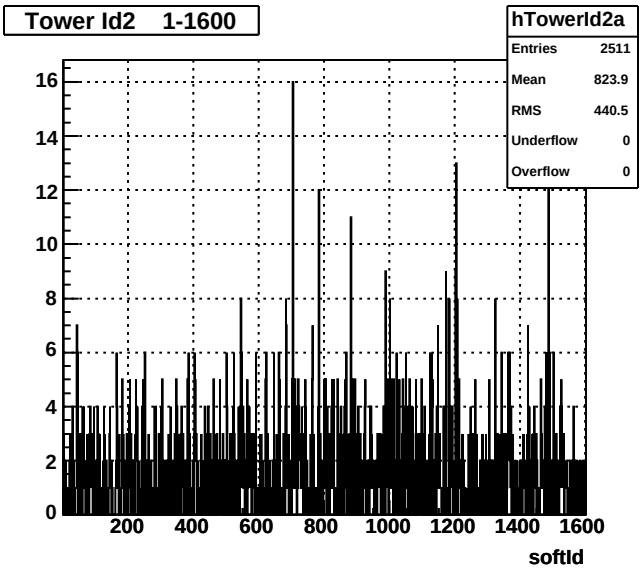

Number of hot towers
number of hot towers
events seen

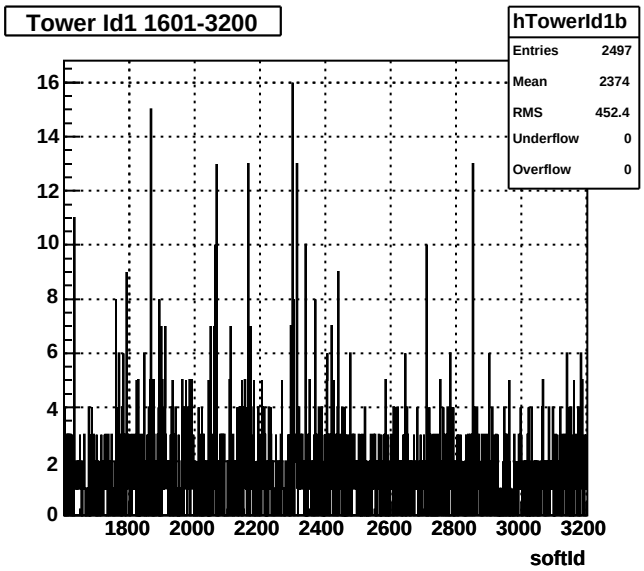

L2 processing time
hTime
Entries 7301
Mean 284.5
RMS 58.56
Underflow 0
Overflow 686
time [μs]

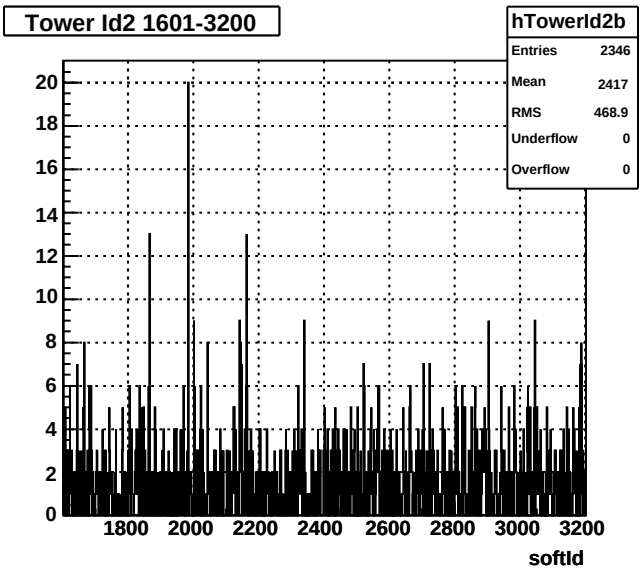

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7301
Mean 1.798
RMS 0.02919
Underflow 0
Overflow 0

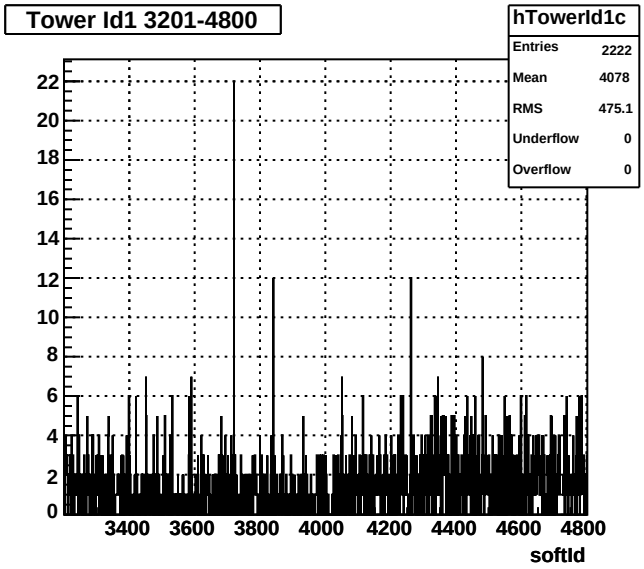

Delta Phi
hDeltaPhi
Entries 7301
Mean 2.362
RMS 0.5041
Underflow 0
Overflow 0
Δφ [radians]

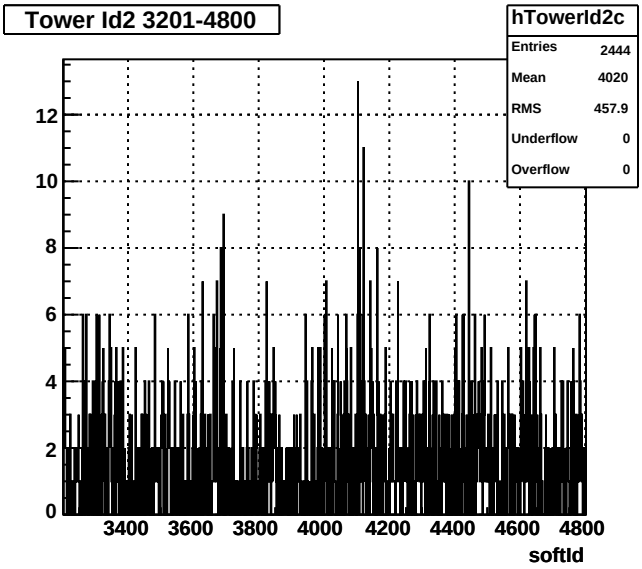

Tower Id1 1-1600
hTowerId1a
Entries 2582
Mean 816.2
RMS 451.8
Underflow 0
Overflow 0
softId

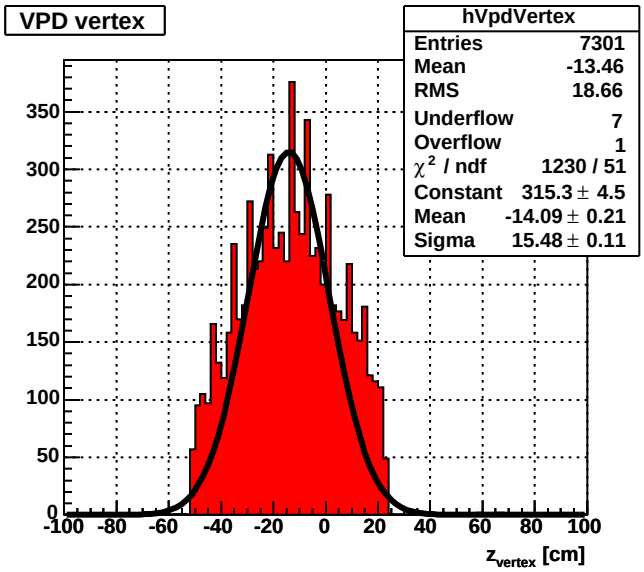

Tower Id2 1-1600
hTowerId2a
Entries 2511
Mean 823.9
RMS 440.5
Underflow 0
Overflow 0
softId

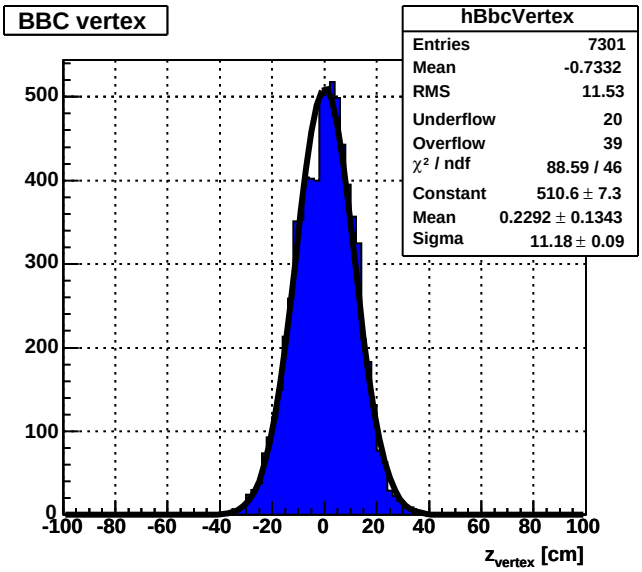

Tower Id1 1601-3200
hTowerId1b
Entries 2497
Mean 2374
RMS 452.4
Underflow 0
Overflow 0
softId

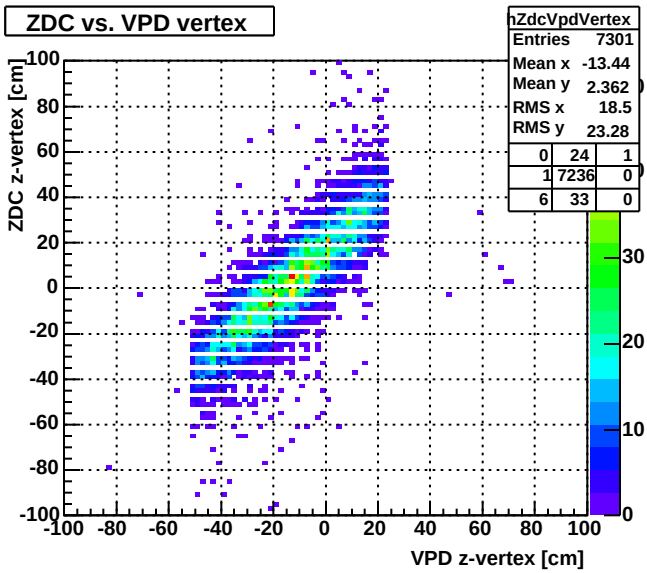

Tower Id2 1601-3200
hTowerId2b
Entries 2346
Mean 2417
RMS 468.9
Underflow 0
Overflow 0
softId

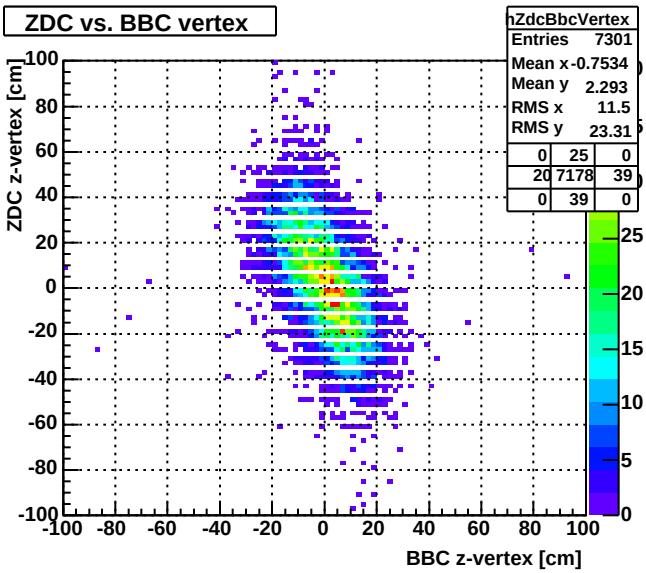

Tower Id1 3201-4800
hTowerId1c
Entries 2222
Mean 4078
RMS 475.1
Underflow 0
Overflow 0
softId

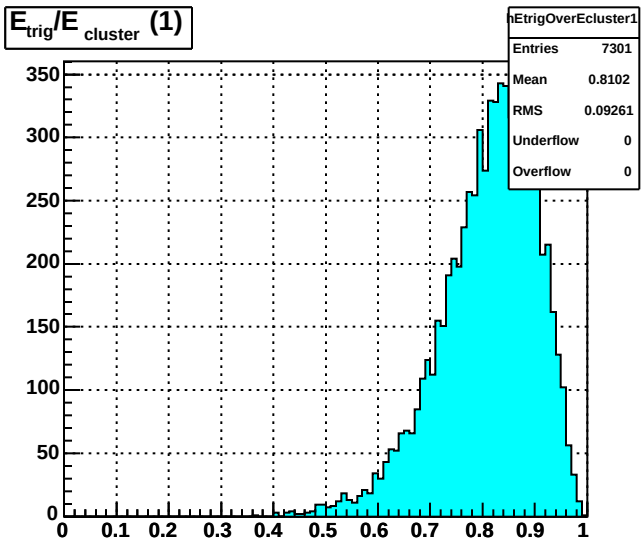

Tower Id2 3201-4800
hTowerId2c
Entries 2444
Mean 4020
RMS 457.9
Underflow 0
Overflow 0
softId

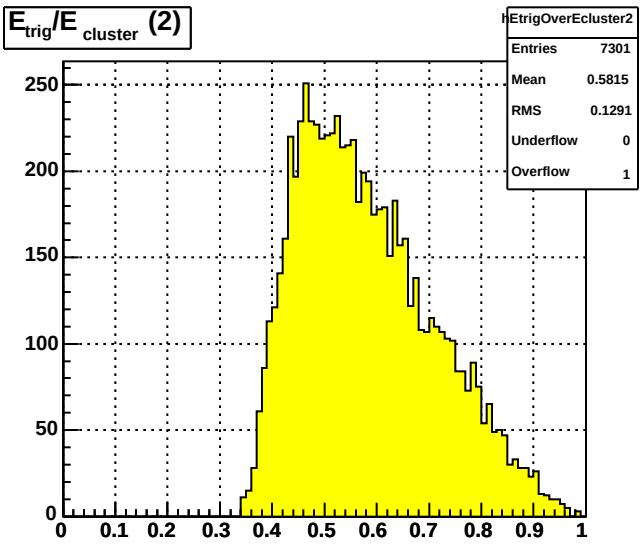

VPD vertex
hVpdVertex
Entries 7301
Mean -13.46
RMS 18.66
Underflow 7
Overflow 1
χ² / ndf 1230 / 51
Constant 315.3 ± 4.5
Mean -14.09 ± 0.21
Sigma 15.48 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7301
Mean -0.7332
RMS 11.53
Underflow 20
Overflow 39
χ² / ndf 88.59 / 46
Constant 510.6 ± 7.3
Mean 0.2292 ± 0.1343
Sigma 11.18 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7301
Mean x -13.44
Mean y 2.362
RMS x 18.5
RMS y 23.28
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7301
Mean x -0.7534
Mean y 2.293
RMS x 11.5
RMS y 23.31
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7301
Mean 0.8102
RMS 0.09261
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7301
Mean 0.5815
RMS 0.1291
Underflow 0
Overflow 1