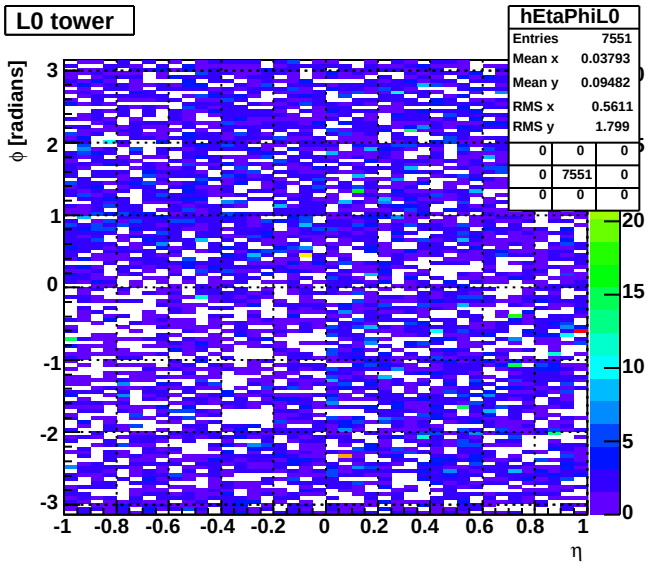
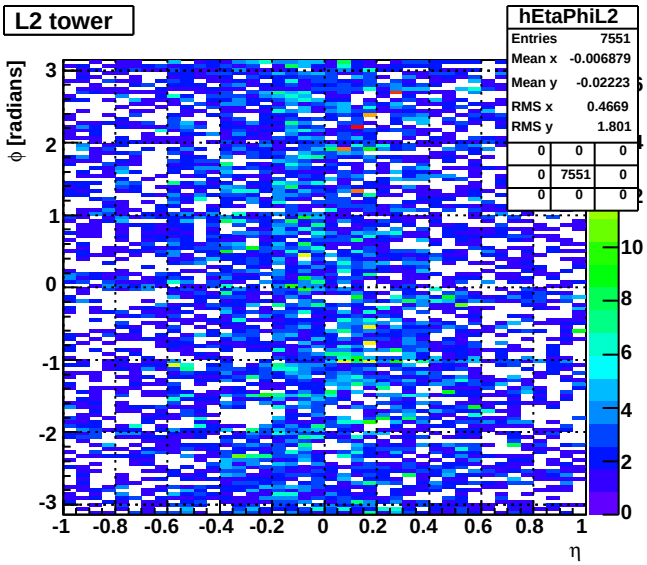
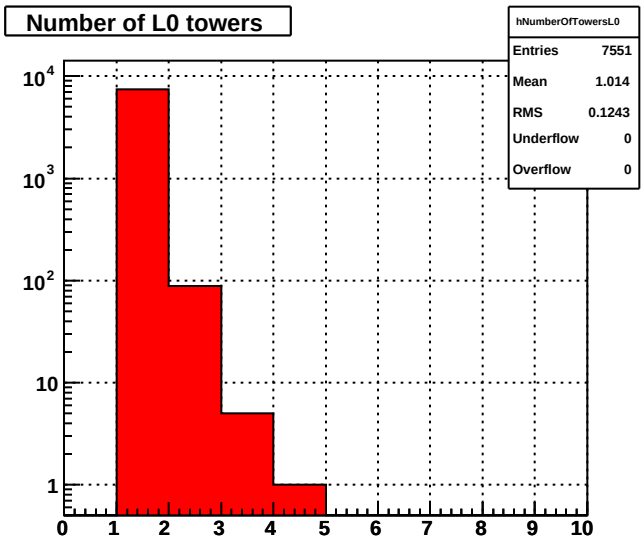
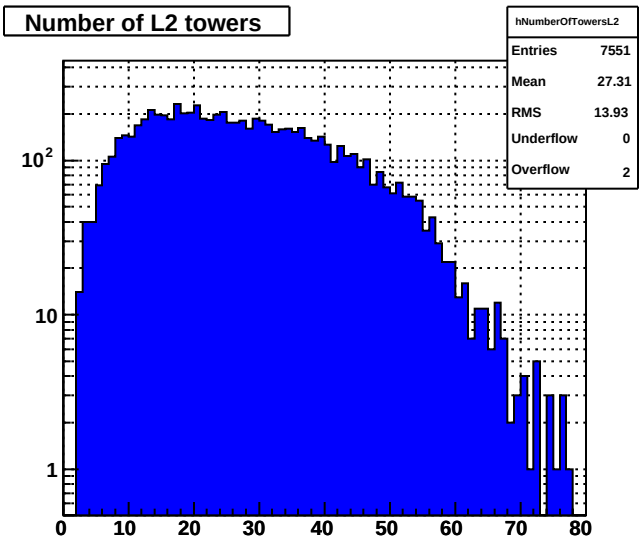
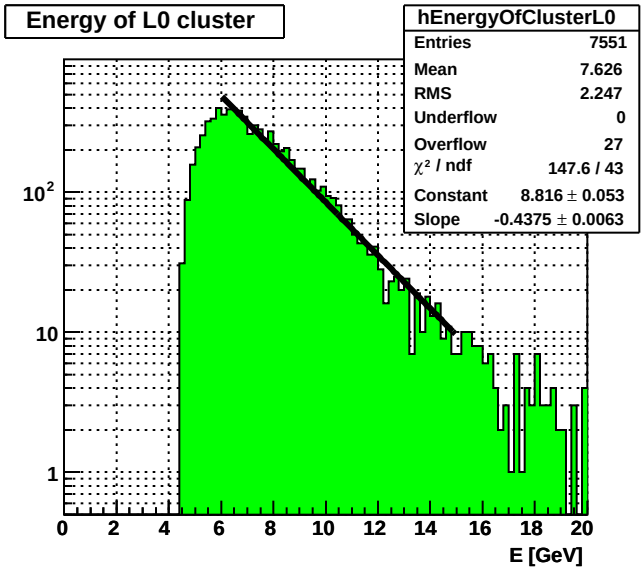
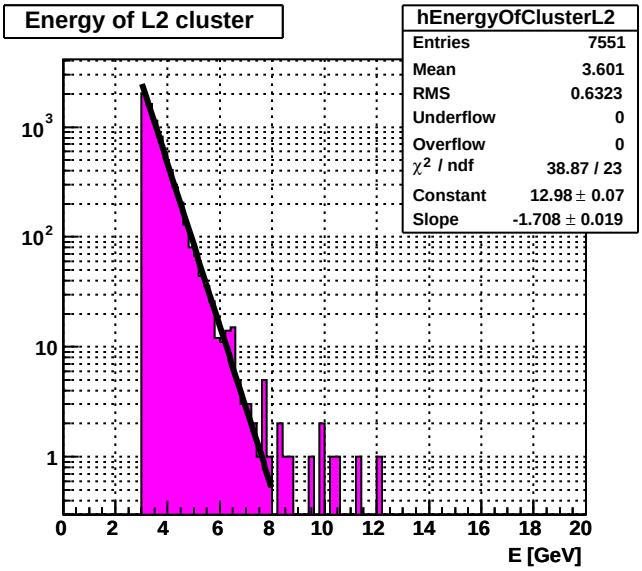

L0 tower
hEtaPhiL0
Entries 7551
Mean x 0.03793
Mean y 0.09482
RMS x 0.5611
RMS y 1.799
φ [radians]
η

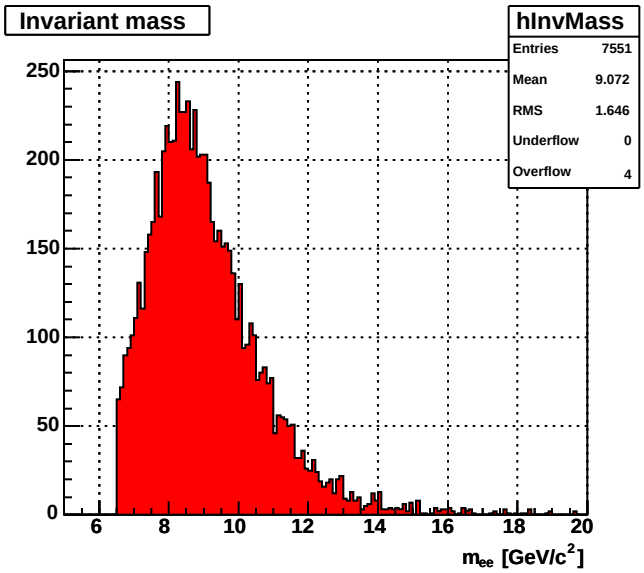

L2 tower
hEtaPhiL2
Entries 7551
Mean x -0.006879
Mean y -0.02223
RMS x 0.4669
RMS y 1.801
φ [radians]
η

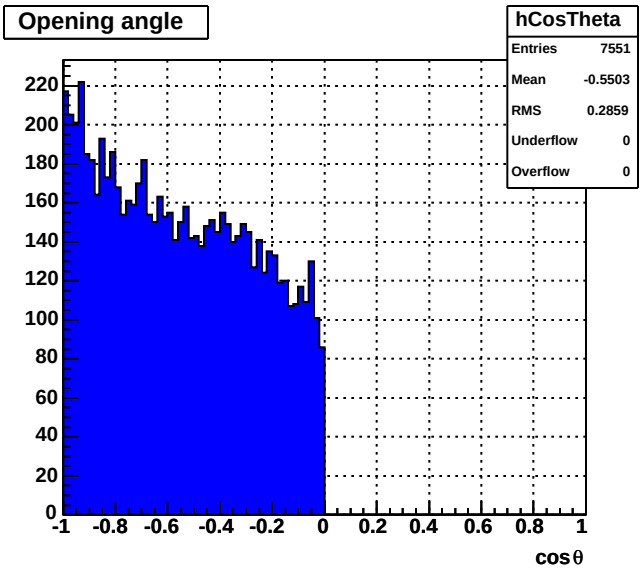

Number of L0 towers
hNumberOfTowersL0
Entries 7551
Mean 1.014
RMS 0.1243
Underflow 0
Overflow 0

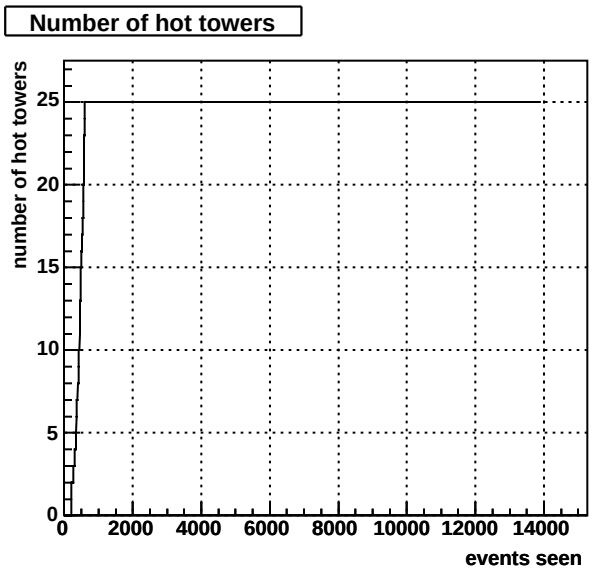

Number of L2 towers
hNumberOfTowersL2
Entries 7551
Mean 27.31
RMS 13.93
Underflow 0
Overflow 2

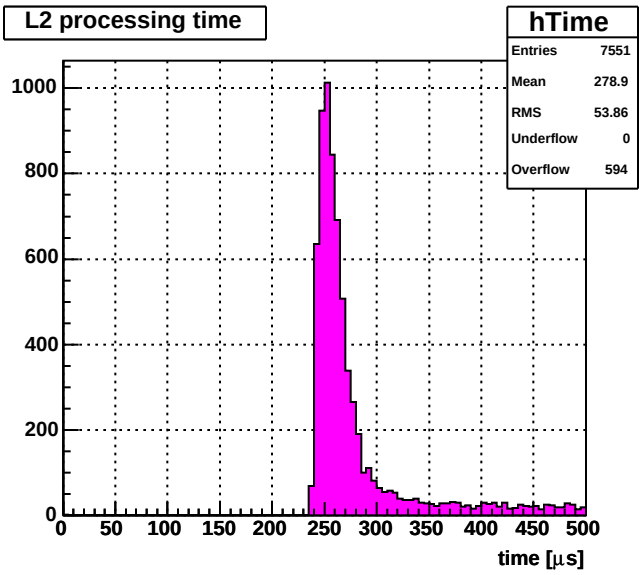

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7551
Mean 7.626
RMS 2.247
Underflow 0
Overflow 27
χ² / ndf 147.6 / 43
Constant 8.816 ± 0.053
Slope -0.4375 ± 0.0063
E [GeV]

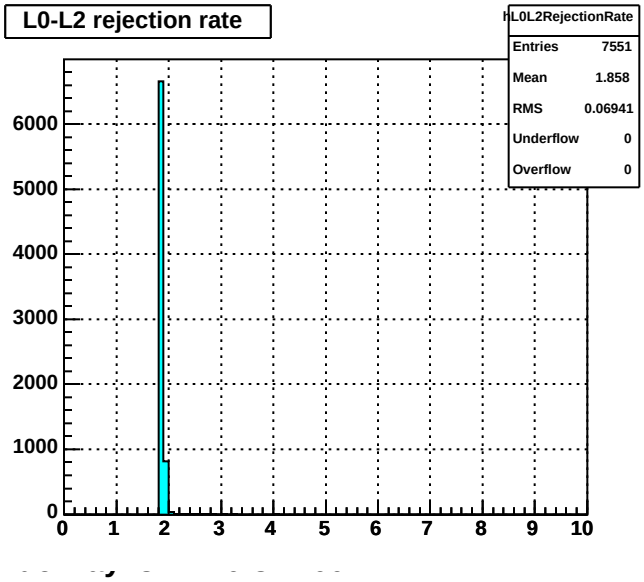

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7551
Mean 3.601
RMS 0.6323
Underflow 0
Overflow 0
χ² / ndf 38.87 / 23
Constant 12.98 ± 0.07
Slope -1.708 ± 0.019
E [GeV]

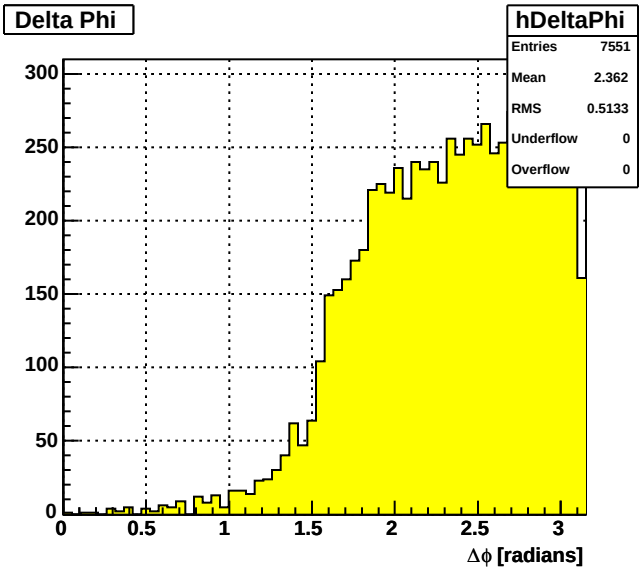

Invariant mass
hInvMass
Entries 7551
Mean 9.072
RMS 1.646
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

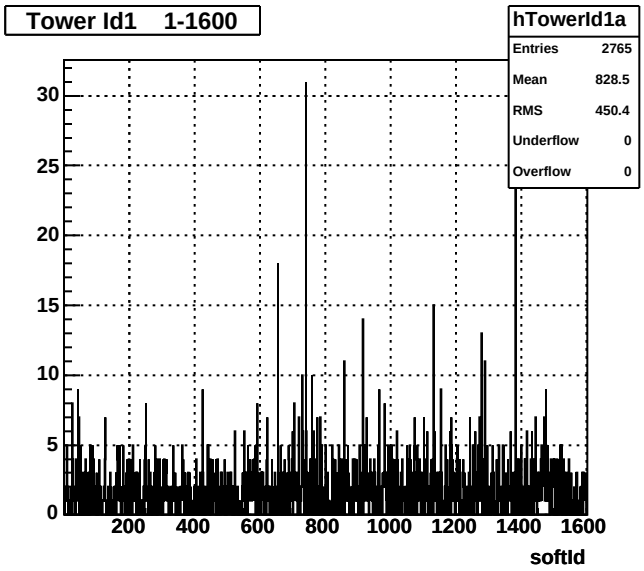

Opening angle
hCosTheta
Entries 7551
Mean -0.5503
RMS 0.2859
Underflow 0
Overflow 0
cos θ

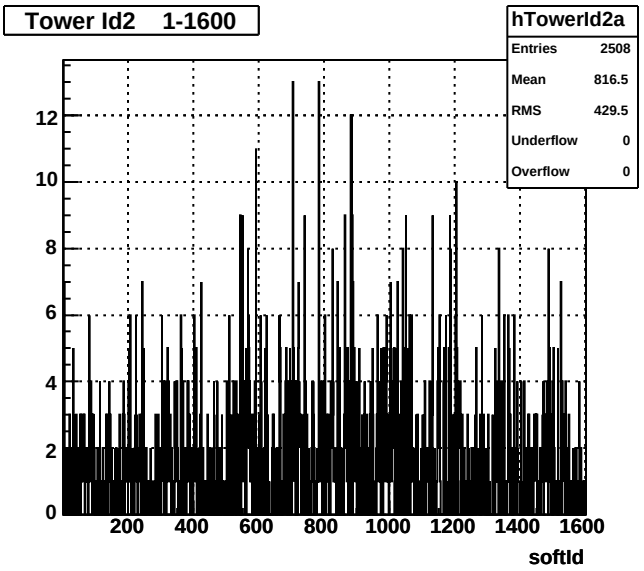

Number of hot towers
number of hot towers
events seen

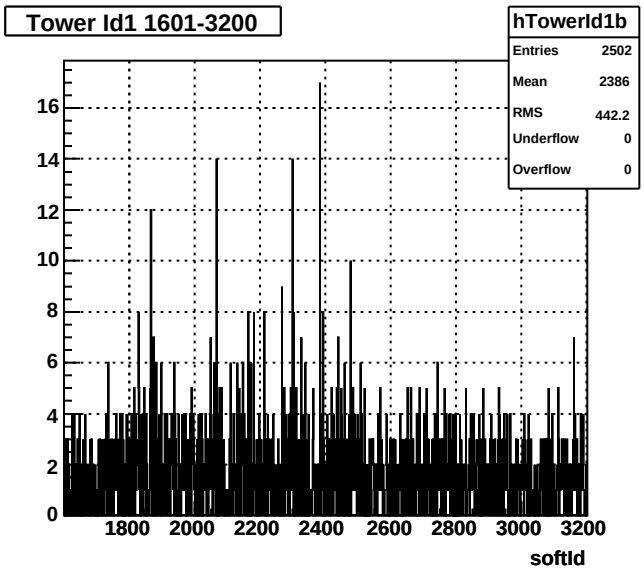

L2 processing time
hTime
Entries 7551
Mean 278.9
RMS 53.86
Underflow 0
Overflow 594
time [μs]

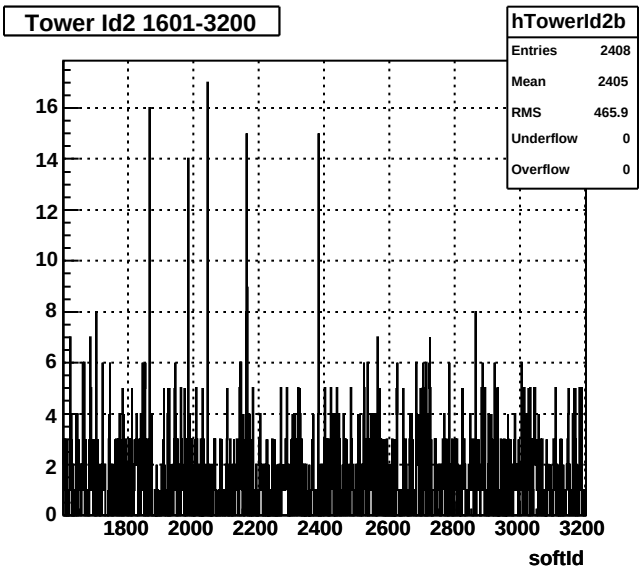

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7551
Mean 1.858
RMS 0.06941
Underflow 0
Overflow 0

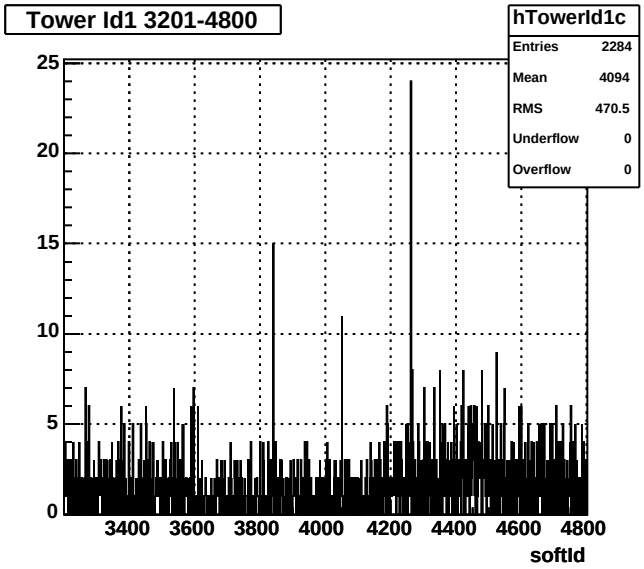

Delta Phi
hDeltaPhi
Entries 7551
Mean 2.362
RMS 0.5133
Underflow 0
Overflow 0
Δφ [radians]

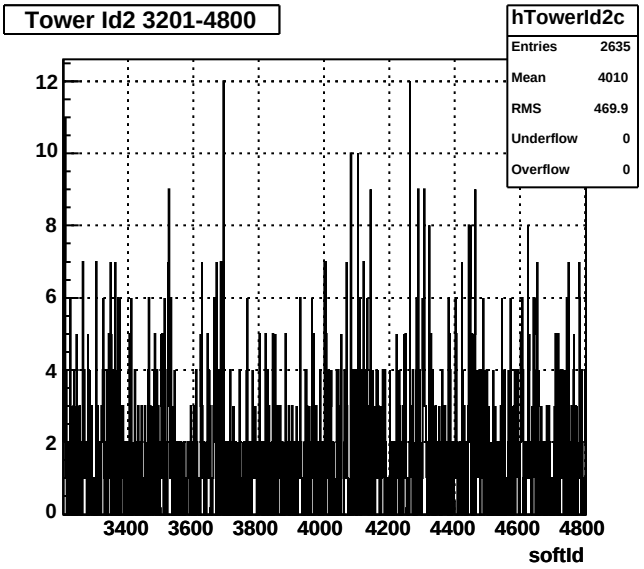

Tower Id1 1-1600
hTowerId1a
Entries 2765
Mean 828.5
RMS 450.4
Underflow 0
Overflow 0
softId

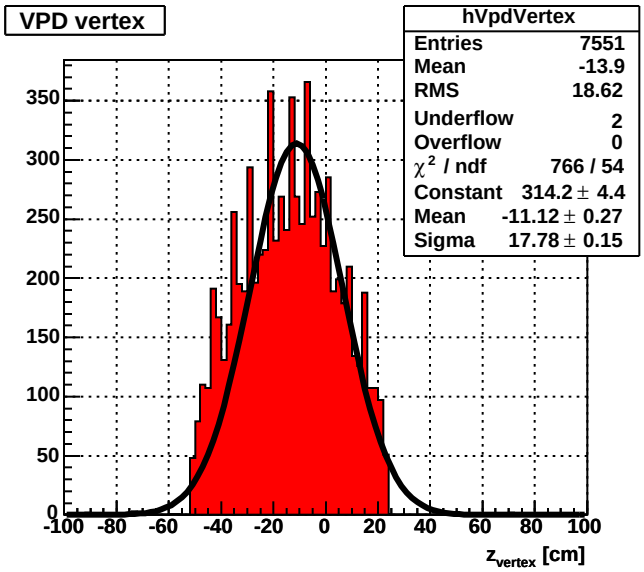

Tower Id2 1-1600
hTowerId2a
Entries 2508
Mean 816.5
RMS 429.5
Underflow 0
Overflow 0
softId

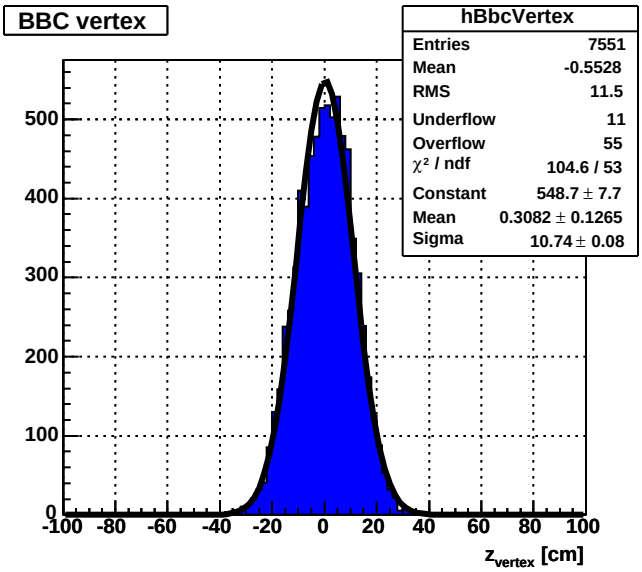

Tower Id1 1601-3200
hTowerId1b
Entries 2502
Mean 2386
RMS 442.2
Underflow 0
Overflow 0
softId

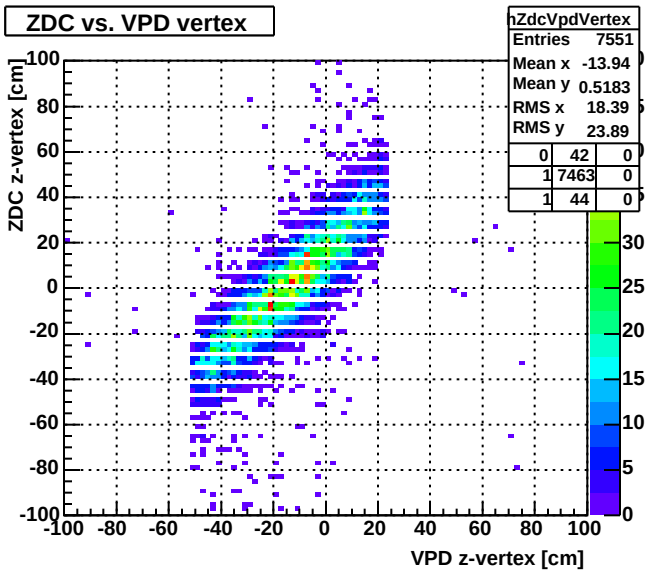

Tower Id2 1601-3200
hTowerId2b
Entries 2408
Mean 2405
RMS 465.9
Underflow 0
Overflow 0
softId

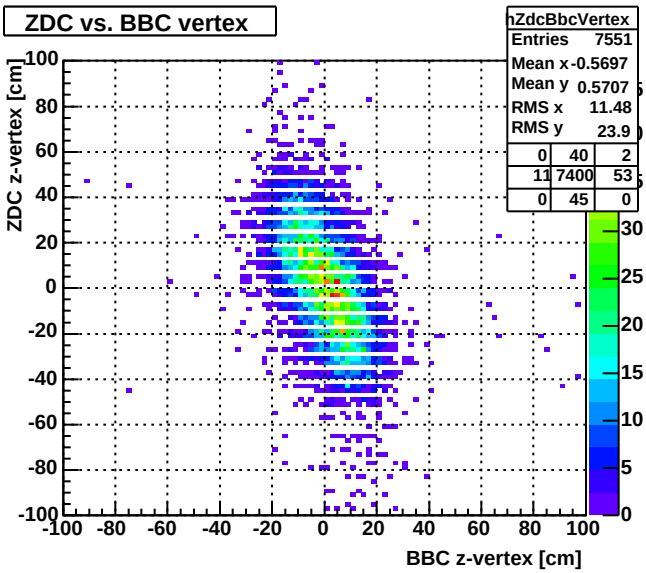

Tower Id1 3201-4800
hTowerId1c
Entries 2284
Mean 4094
RMS 470.5
Underflow 0
Overflow 0
softId

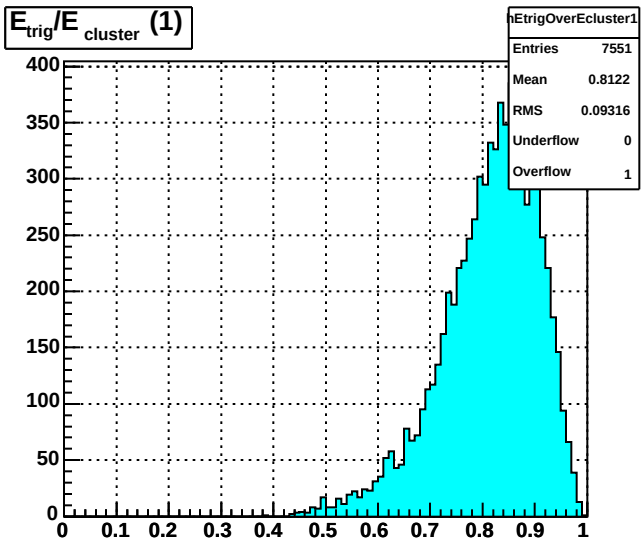

Tower Id2 3201-4800
hTowerId2c
Entries 2635
Mean 4010
RMS 469.9
Underflow 0
Overflow 0
softId

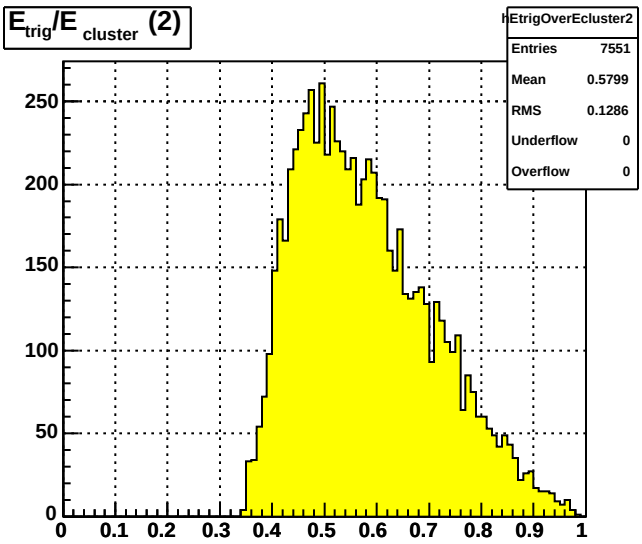

VPD vertex
hVpdVertex
Entries 7551
Mean -13.9
RMS 18.62
Underflow 2
Overflow 0
χ² / ndf 766 / 54
Constant 314.2 ± 4.4
Mean -11.12 ± 0.27
Sigma 17.78 ± 0.15
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7551
Mean -0.5528
RMS 11.5
Underflow 11
Overflow 55
χ² / ndf 104.6 / 53
Constant 548.7 ± 7.7
Mean 0.3082 ± 0.1265
Sigma 10.74 ± 0.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7551
Mean x -13.94
Mean y 0.5183
RMS x 18.39
RMS y 23.89
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7551
Mean x -0.5697
Mean y 0.5707
RMS x 11.48
RMS y 23.9
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7551
Mean 0.8122
RMS 0.09316
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7551
Mean 0.5799
RMS 0.1286
Underflow 0
Overflow 0