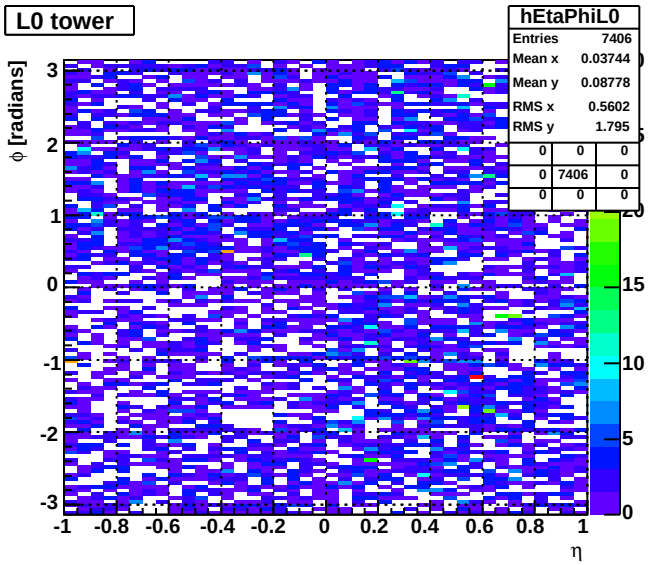
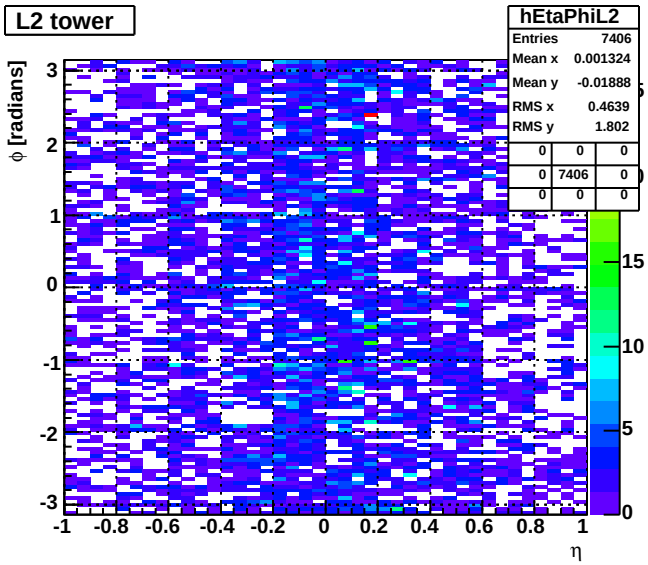
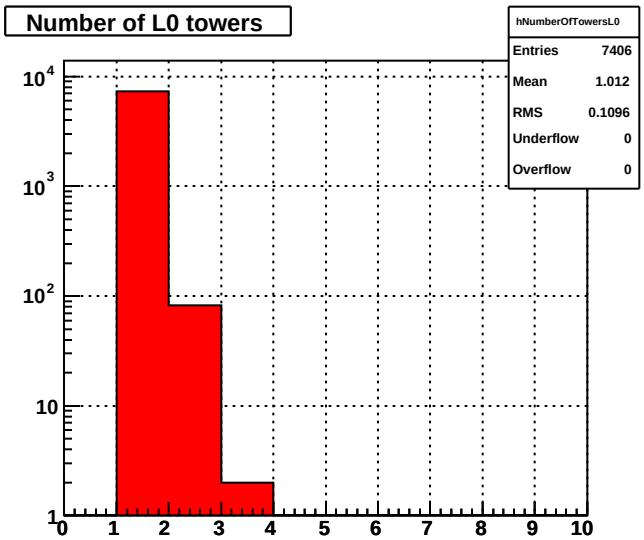
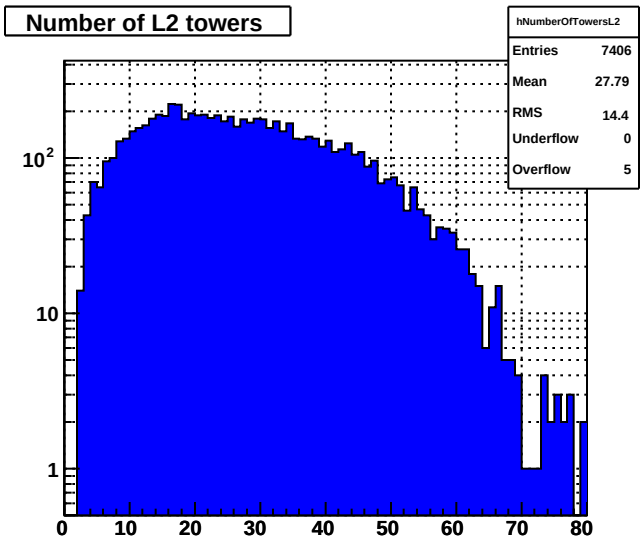
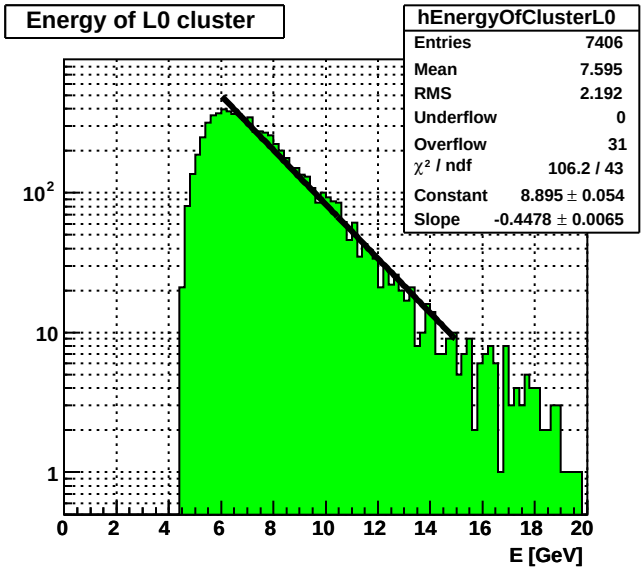
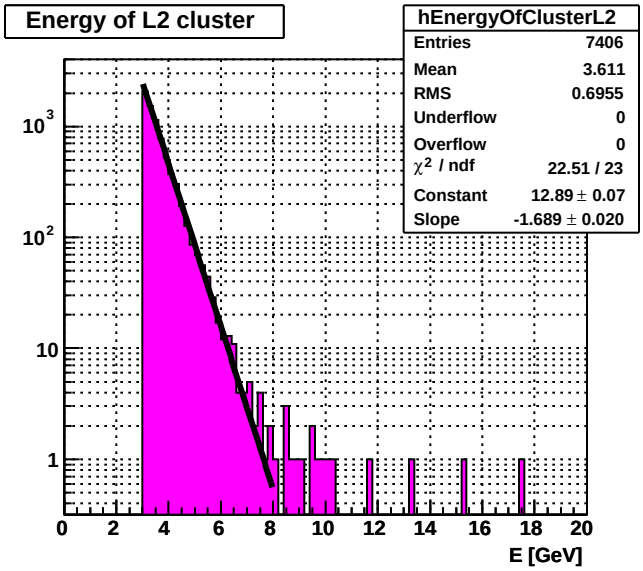

L0 tower
hEtaPhiL0
Entries 7406
Mean x 0.03744
Mean y 0.08778
RMS x 0.5602
RMS y 1.795
φ [radians]
η

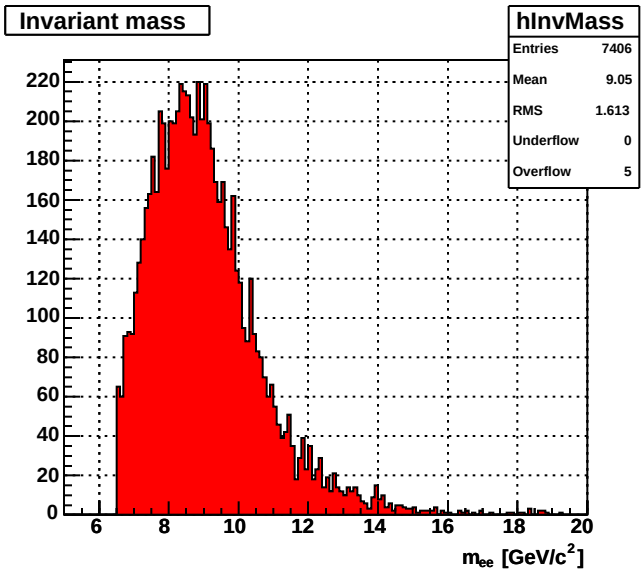

L2 tower
hEtaPhiL2
Entries 7406
Mean x 0.001324
Mean y -0.01888
RMS x 0.4639
RMS y 1.802
φ [radians]
η

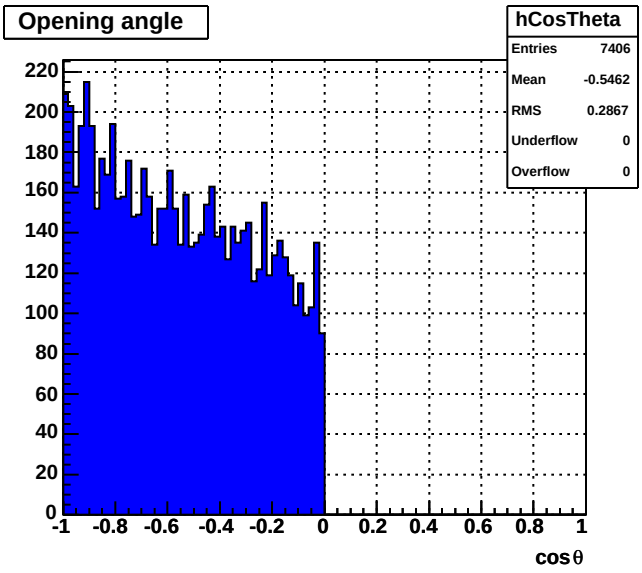

Number of L0 towers
hNumberOfTowersL0
Entries 7406
Mean 1.012
RMS 0.1096
Underflow 0
Overflow 0

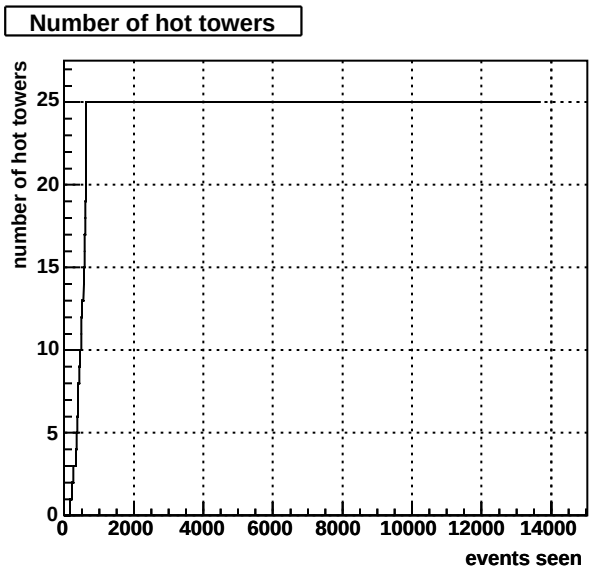

Number of L2 towers
hNumberOfTowersL2
Entries 7406
Mean 27.79
RMS 14.4
Underflow 0
Overflow 5

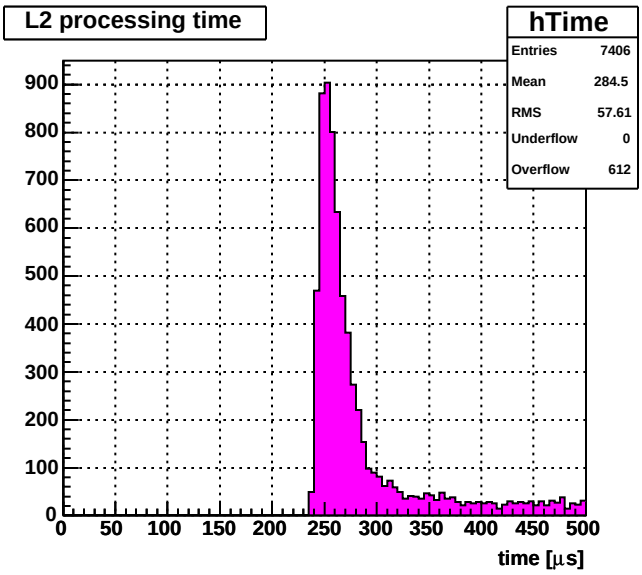

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7406
Mean 7.595
RMS 2.192
Underflow 0
Overflow 31
χ² / ndf 106.2 / 43
Constant 8.895 ± 0.054
Slope -0.4478 ± 0.0065
E [GeV]

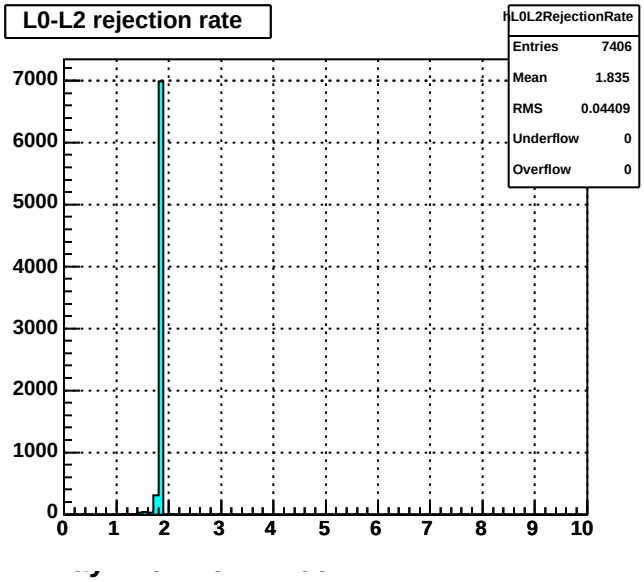

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7406
Mean 3.611
RMS 0.6955
Underflow 0
Overflow 0
χ² / ndf 22.51 / 23
Constant 12.89 ± 0.07
Slope -1.689 ± 0.020
E [GeV]

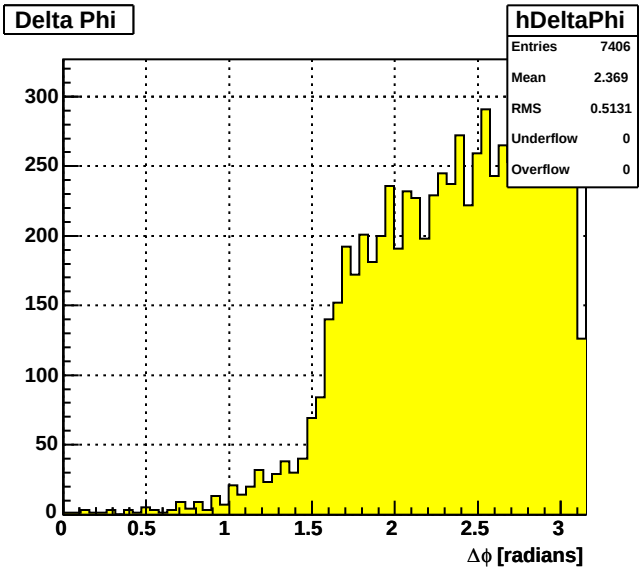

Invariant mass
hInvMass
Entries 7406
Mean 9.05
RMS 1.613
Underflow 0
Overflow 5
m_{ee} [GeV/c^2]

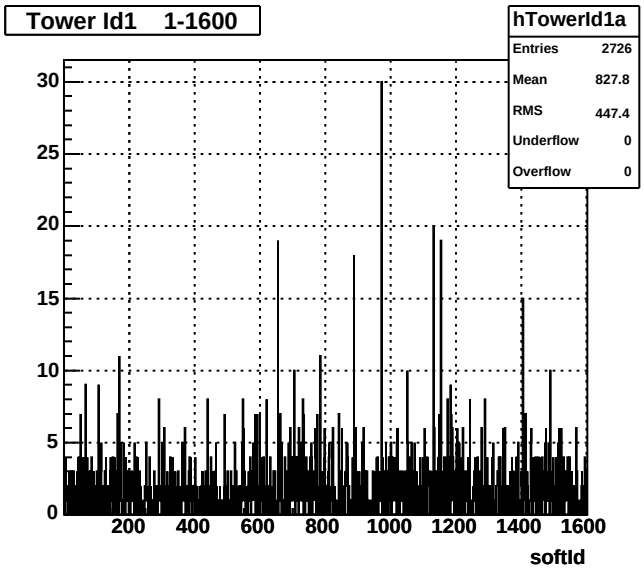

Opening angle
hCosTheta
Entries 7406
Mean -0.5462
RMS 0.2867
Underflow 0
Overflow 0
cos θ

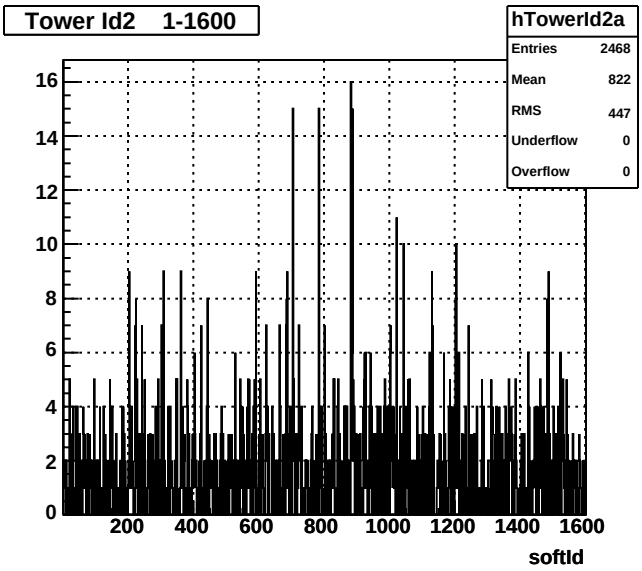

Number of hot towers
number of hot towers
events seen

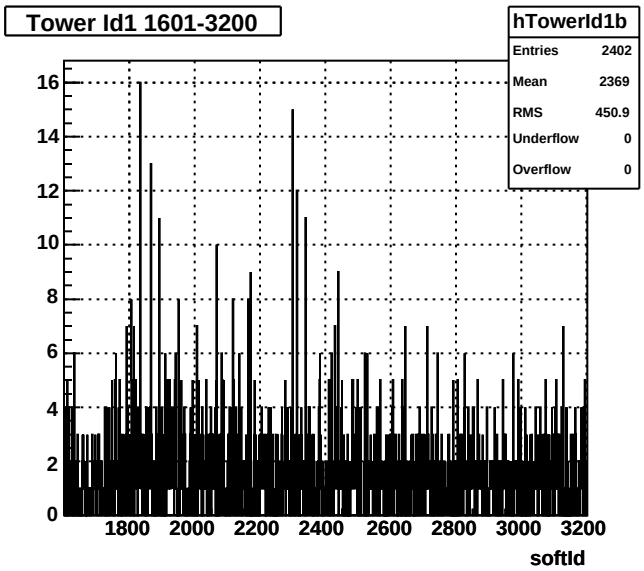

L2 processing time
hTime
Entries 7406
Mean 284.5
RMS 57.61
Underflow 0
Overflow 612
time [μs]

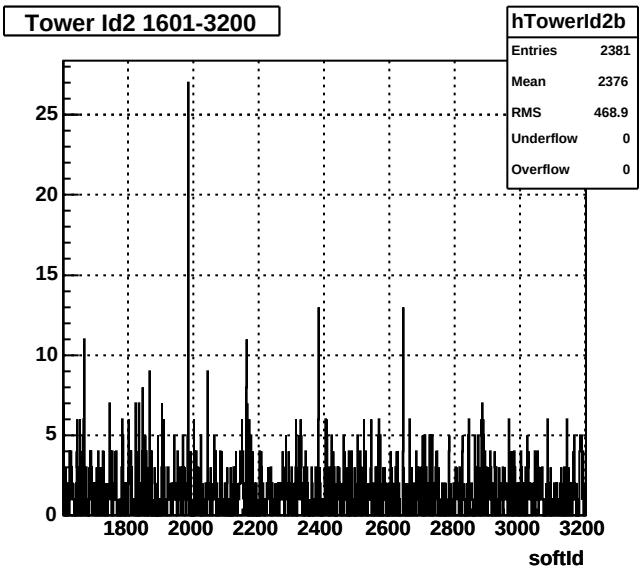

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7406
Mean 1.835
RMS 0.04409
Underflow 0
Overflow 0

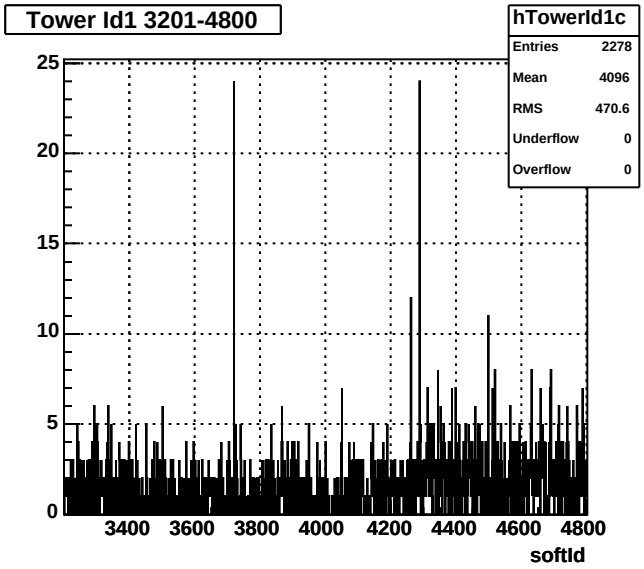

Delta Phi
hDeltaPhi
Entries 7406
Mean 2.369
RMS 0.5131
Underflow 0
Overflow 0
Δφ [radians]

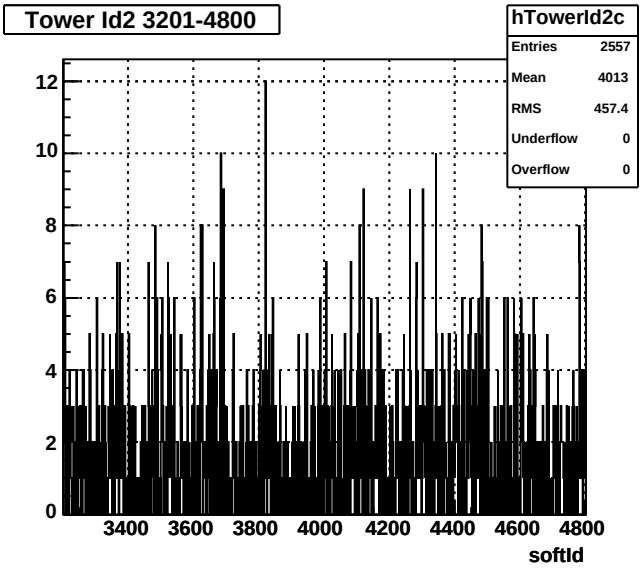

Tower Id1 1-1600
hTowerId1a
Entries 2726
Mean 827.8
RMS 447.4
Underflow 0
Overflow 0
softId

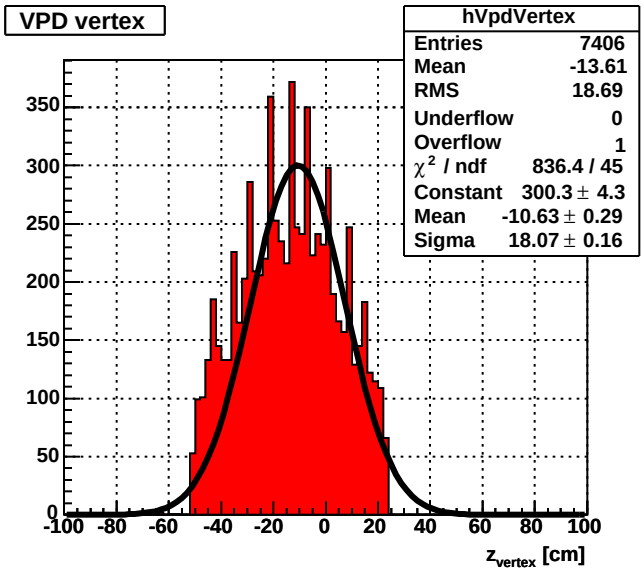

Tower Id2 1-1600
hTowerId2a
Entries 2468
Mean 822
RMS 447
Underflow 0
Overflow 0
softId

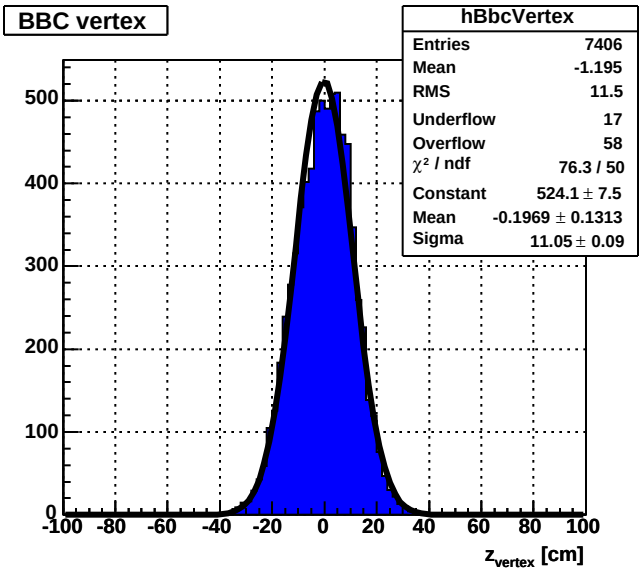

Tower Id1 1601-3200
hTowerId1b
Entries 2402
Mean 2369
RMS 450.9
Underflow 0
Overflow 0
softId

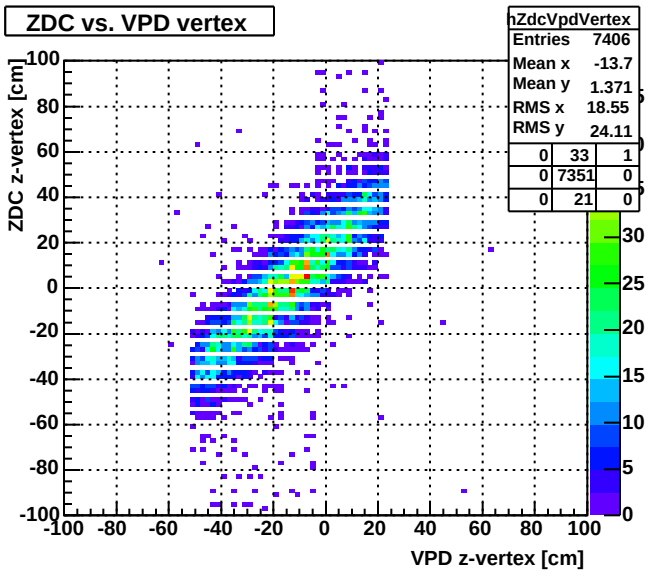

Tower Id2 1601-3200
hTowerId2b
Entries 2381
Mean 2376
RMS 468.9
Underflow 0
Overflow 0
softId

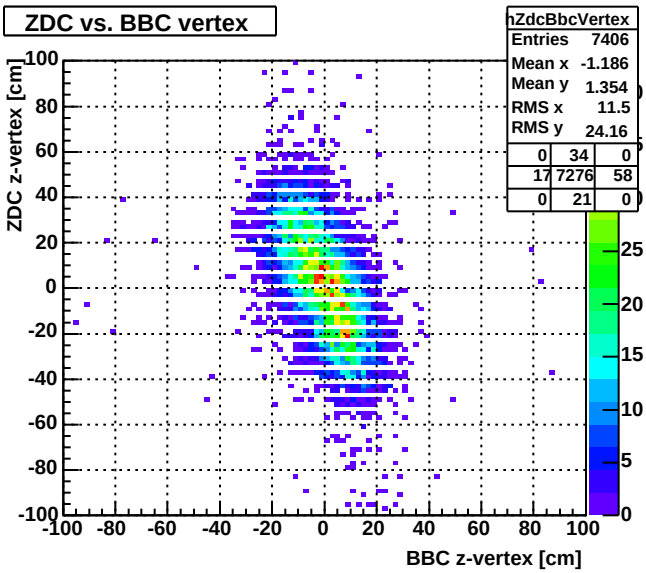

Tower Id1 3201-4800
hTowerId1c
Entries 2278
Mean 4096
RMS 470.6
Underflow 0
Overflow 0
softId

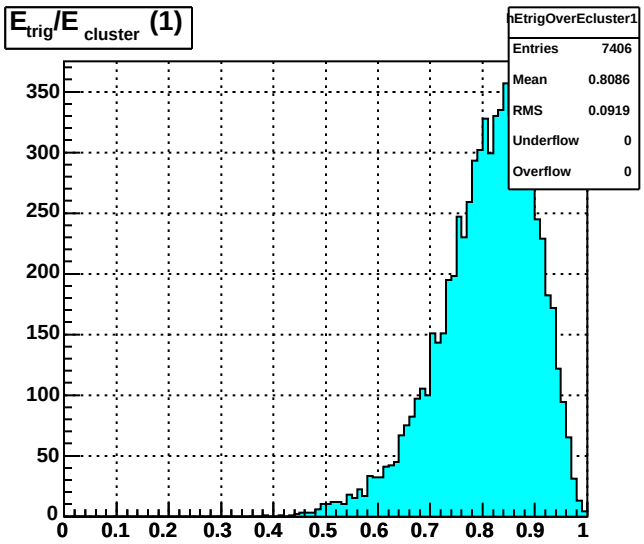

Tower Id2 3201-4800
hTowerId2c
Entries 2557
Mean 4013
RMS 457.4
Underflow 0
Overflow 0
softId

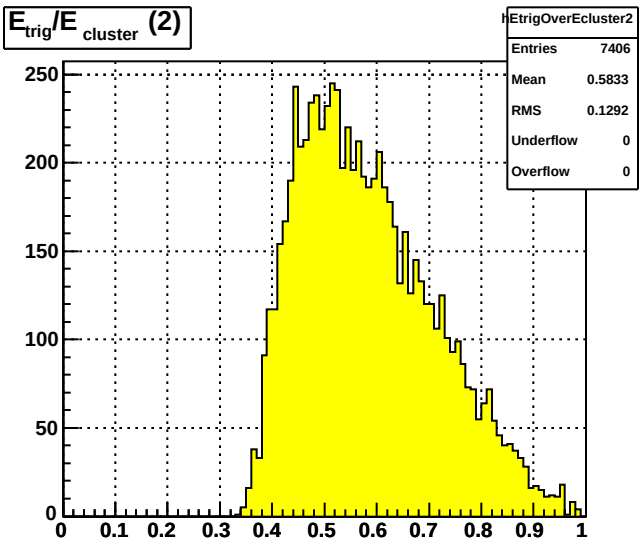

VPD vertex
hVpdVertex
Entries 7406
Mean -13.61
RMS 18.69
Underflow 0
Overflow 1
χ² / ndf 836.4 / 45
Constant 300.3 ± 4.3
Mean -10.63 ± 0.29
Sigma 18.07 ± 0.16
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7406
Mean -1.195
RMS 11.5
Underflow 17
Overflow 58
χ² / ndf 76.3 / 50
Constant 524.1 ± 7.5
Mean -0.1969 ± 0.1313
Sigma 11.05 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7406
Mean x -13.7
Mean y 1.371
RMS x 18.55
RMS y 24.11
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7406
Mean x -1.186
Mean y 1.354
RMS x 11.5
RMS y 24.16
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7406
Mean 0.8086
RMS 0.0919
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7406
Mean 0.5833
RMS 0.1292
Underflow 0
Overflow 0