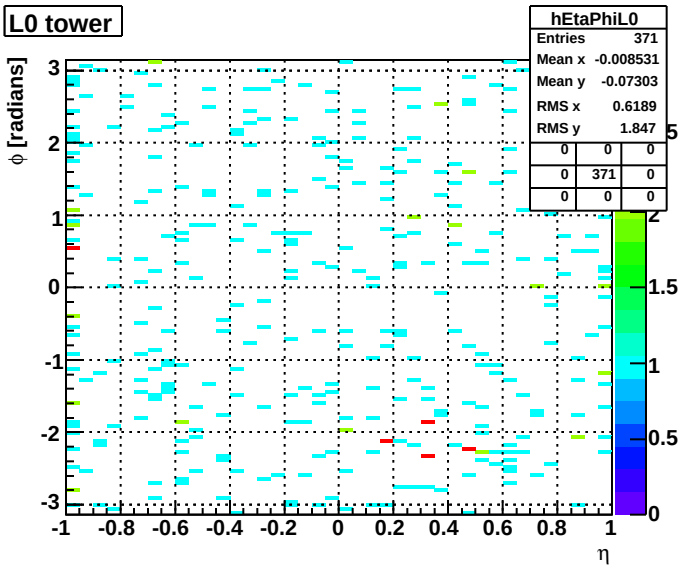
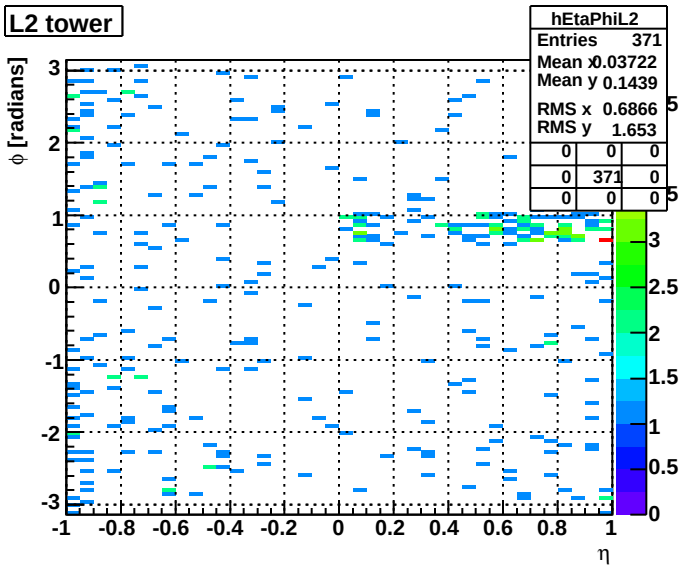
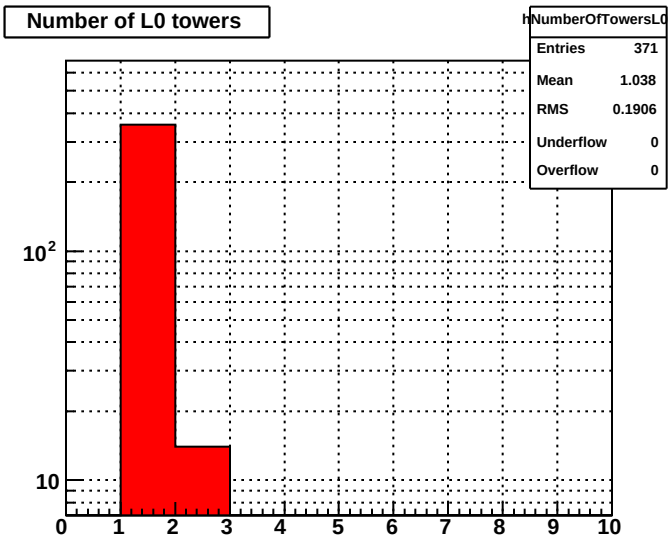
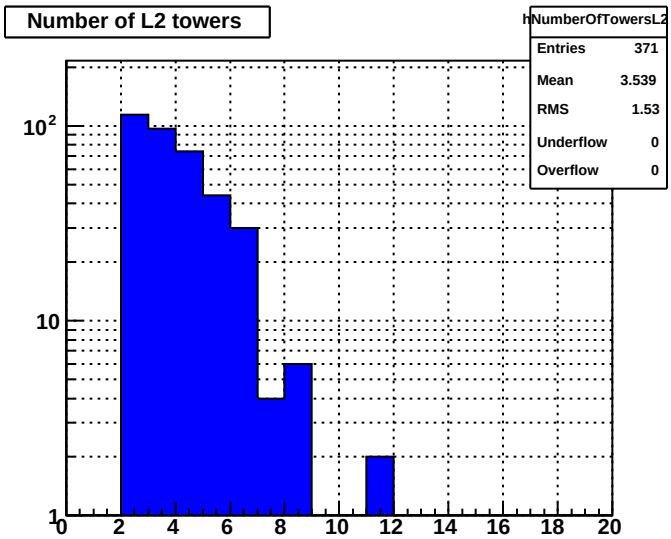
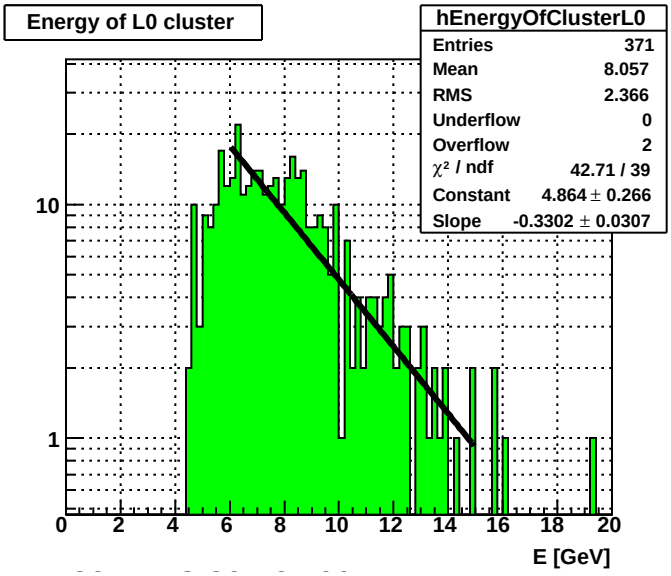
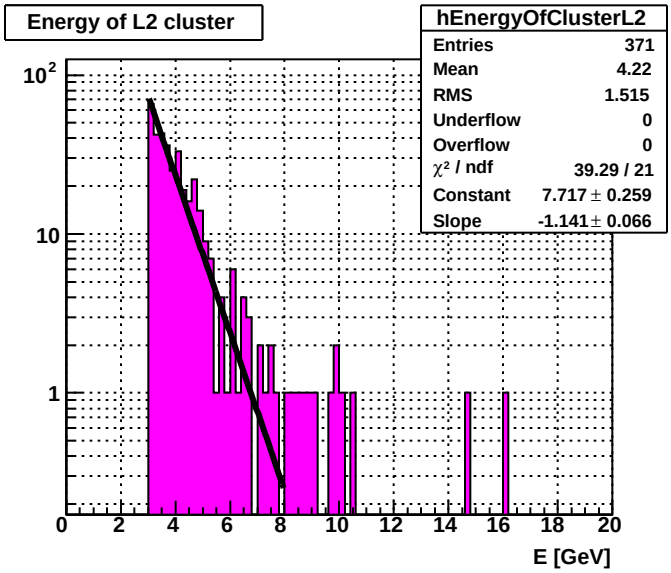

L0 tower
hEtaPhiL0
Entries 371
Mean x -0.008531
Mean y -0.07303
RMS x 0.6189
RMS y 1.847
φ [radians]
η

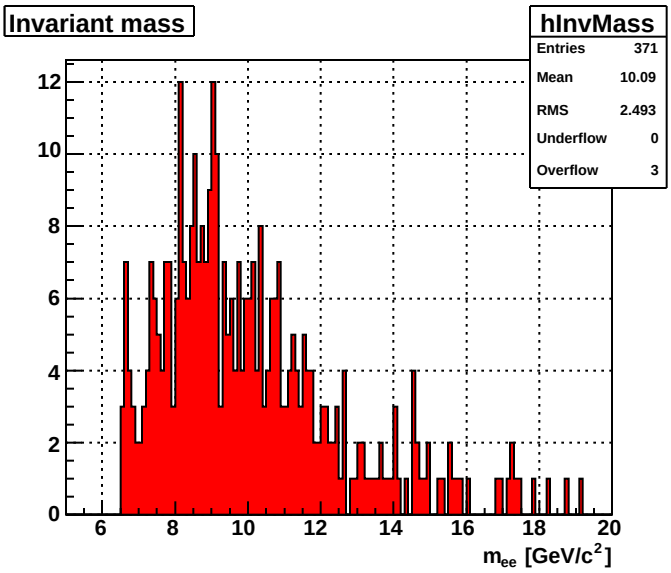

L2 tower
hEtaPhiL2
Entries 371
Mean x 0.03722
Mean y 0.1439
RMS x 0.6866
RMS y 1.653
φ [radians]
η

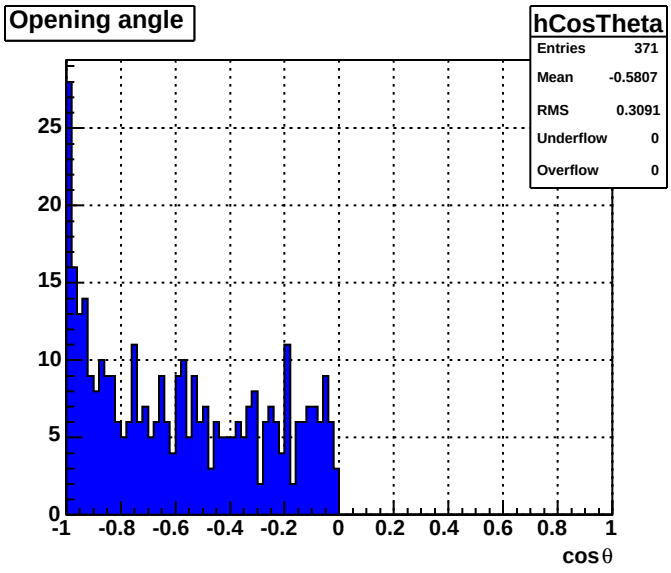

Number of L0 towers
hNumberOfTowersL0
Entries 371
Mean 1.038
RMS 0.1906
Underflow 0
Overflow 0

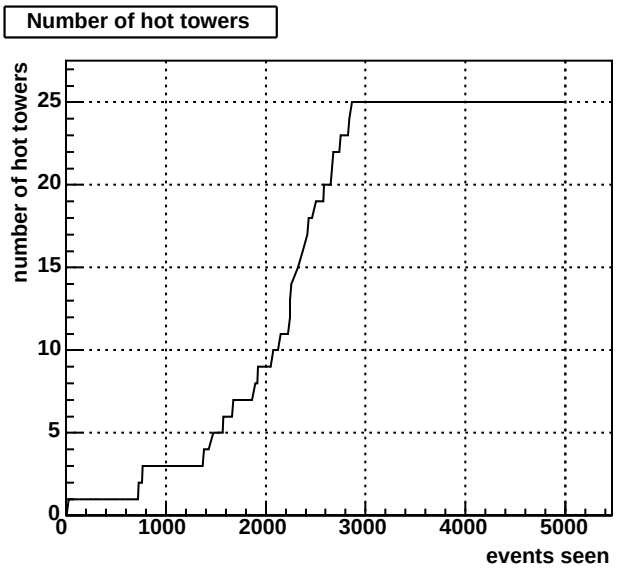

Number of L2 towers
hNumberOfTowersL2
Entries 371
Mean 3.539
RMS 1.53
Underflow 0
Overflow 0

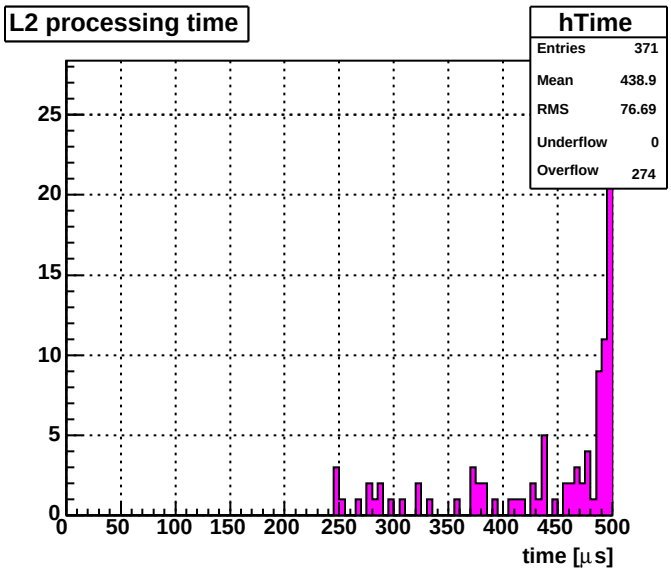

Energy of L0 cluster
hEnergyOfClusterL0
Entries 371
Mean 8.057
RMS 2.366
Underflow 0
Overflow 2
χ² / ndf 42.71 / 39
Constant 4.864 ± 0.266
Slope -0.3302 ± 0.0307
E [GeV]

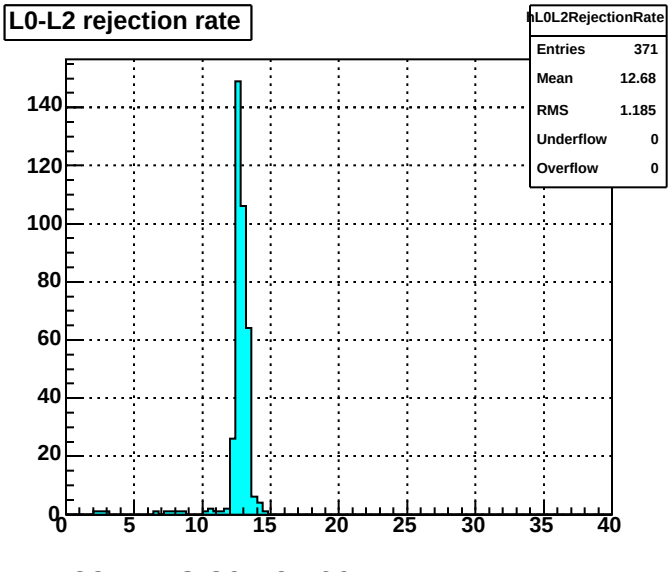

Energy of L2 cluster
hEnergyOfClusterL2
Entries 371
Mean 4.22
RMS 1.515
Underflow 0
Overflow 0
χ² / ndf 39.29 / 21
Constant 7.717 ± 0.259
Slope -1.141 ± 0.066
E [GeV]

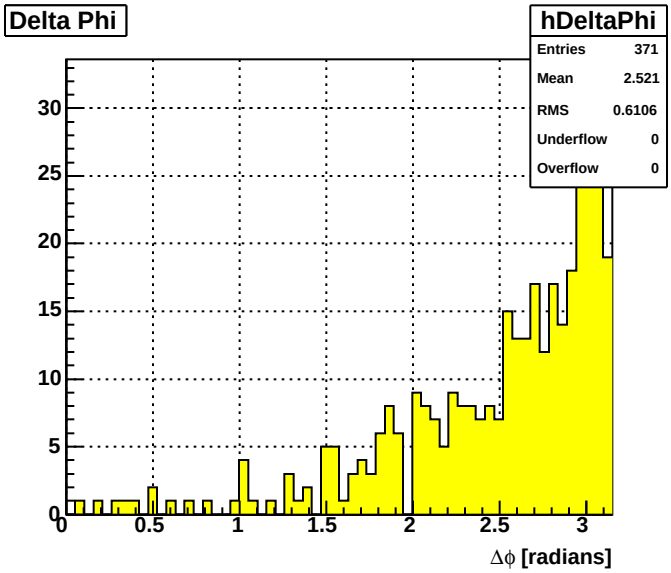

Invariant mass
hInvMass
Entries 371
Mean 10.09
RMS 2.493
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

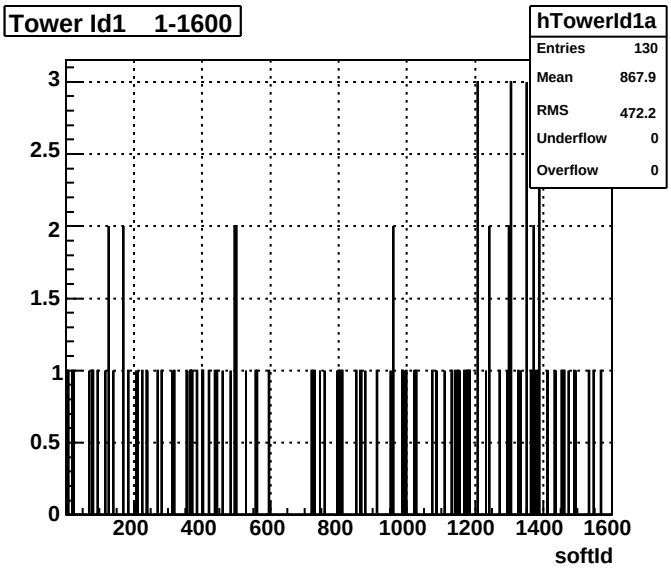

Opening angle
hCosTheta
Entries 371
Mean -0.5807
RMS 0.3091
Underflow 0
Overflow 0
cos θ

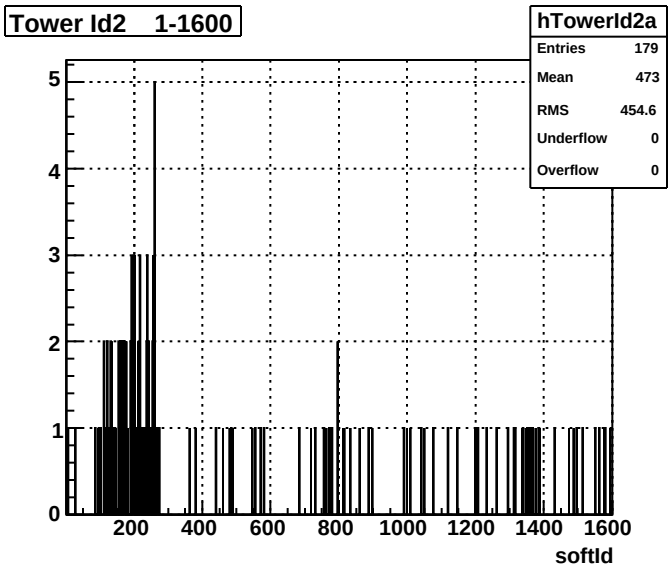

Number of hot towers
number of hot towers
events seen

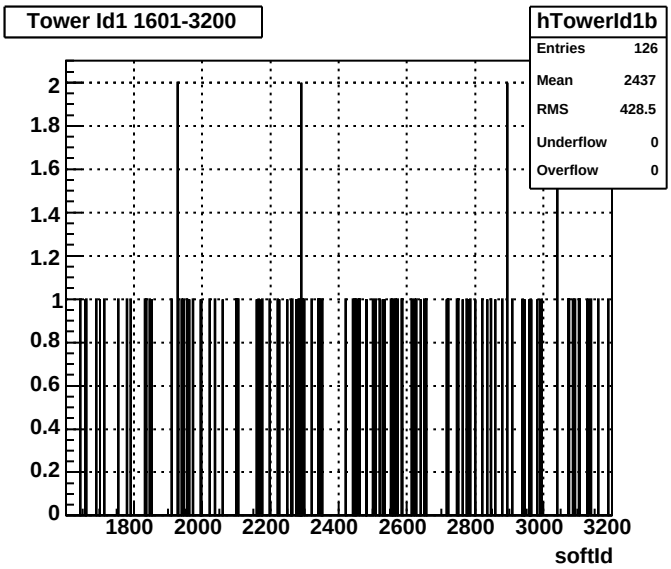

L2 processing time
hTime
Entries 371
Mean 438.9
RMS 76.69
Underflow 0
Overflow 274
time [μs]

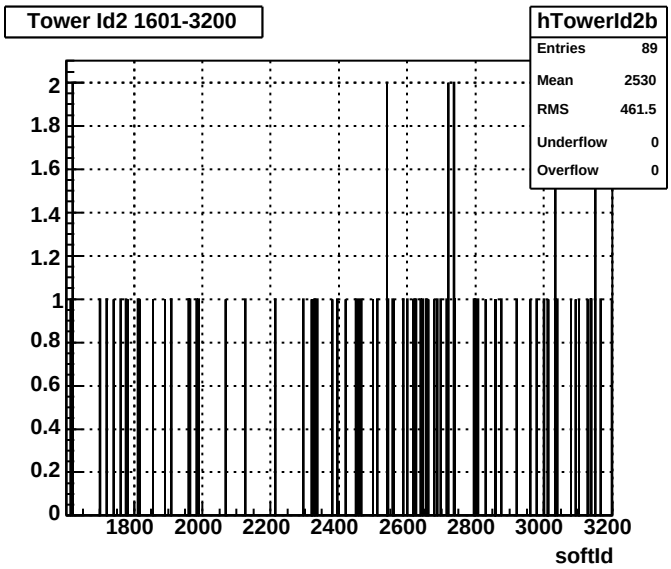

L0-L2 rejection rate
hL0L2RejectionRate
Entries 371
Mean 12.68
RMS 1.185
Underflow 0
Overflow 0

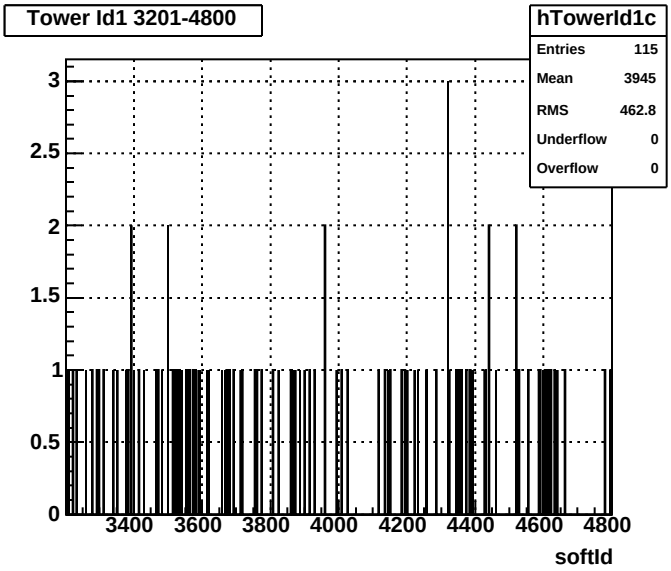

Delta Phi
hDeltaPhi
Entries 371
Mean 2.521
RMS 0.6106
Underflow 0
Overflow 0
Δφ [radians]

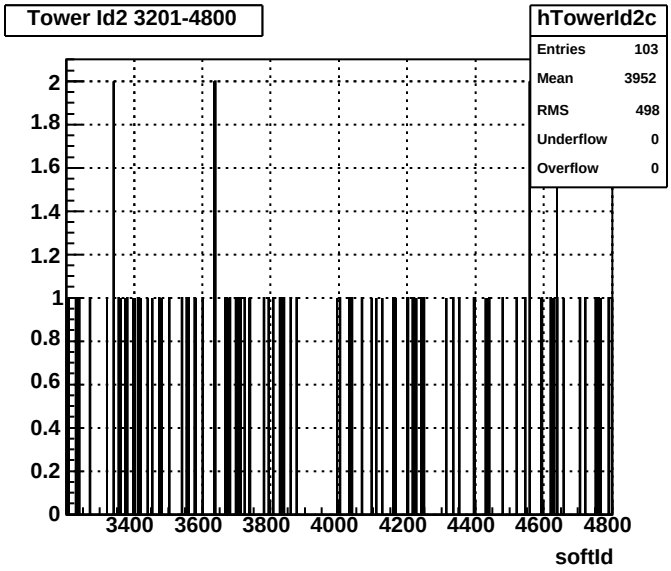

Tower Id1 1-1600
hTowerId1a
Entries 130
Mean 867.9
RMS 472.2
Underflow 0
Overflow 0
softId

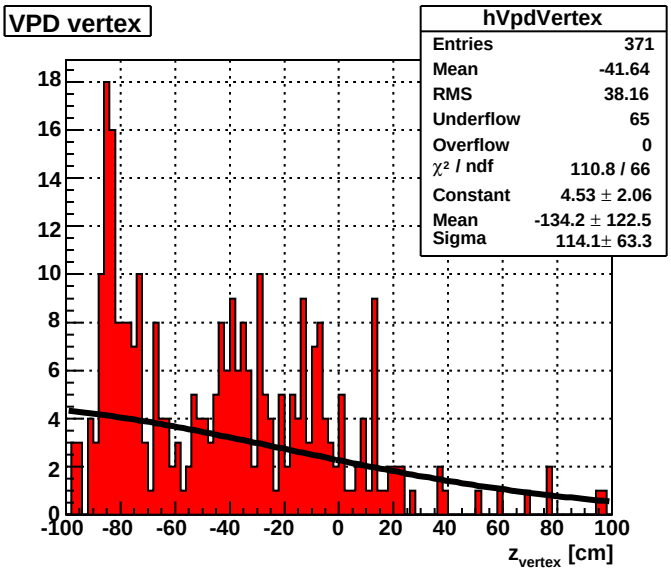

Tower Id2 1-1600
hTowerId2a
Entries 179
Mean 473
RMS 454.6
Underflow 0
Overflow 0
softId

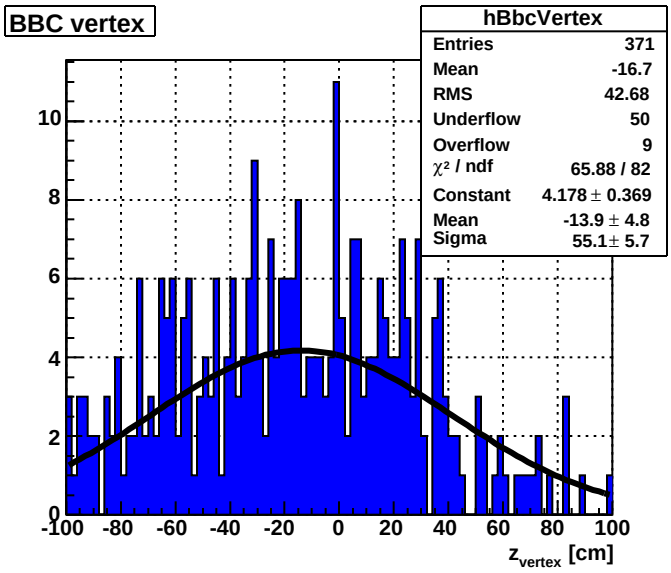

Tower Id1 1601-3200
hTowerId1b
Entries 126
Mean 2437
RMS 428.5
Underflow 0
Overflow 0
softId

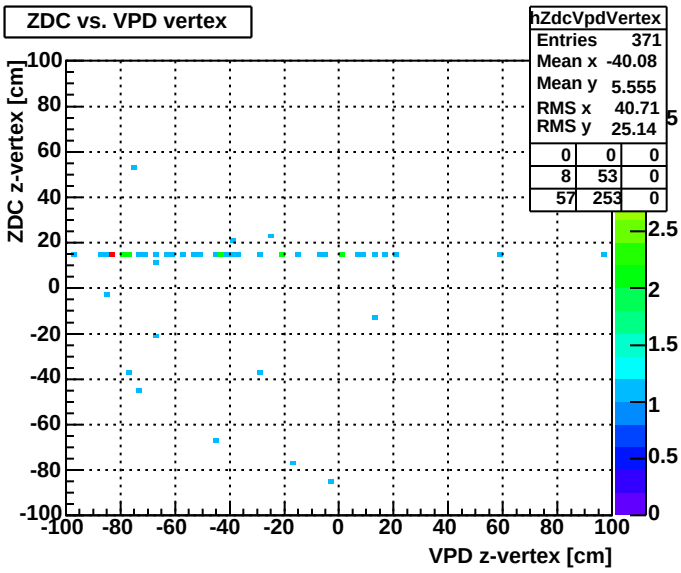

Tower Id2 1601-3200
hTowerId2b
Entries 89
Mean 2530
RMS 461.5
Underflow 0
Overflow 0
softId

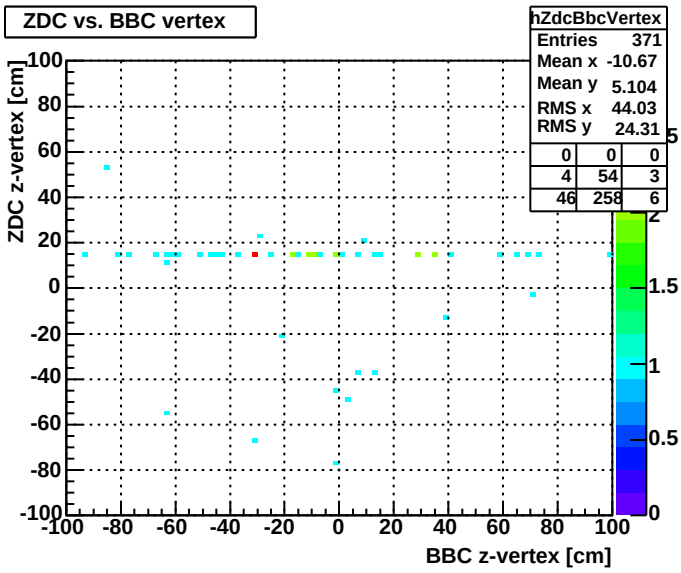

Tower Id1 3201-4800
hTowerId1c
Entries 115
Mean 3945
RMS 462.8
Underflow 0
Overflow 0
softId

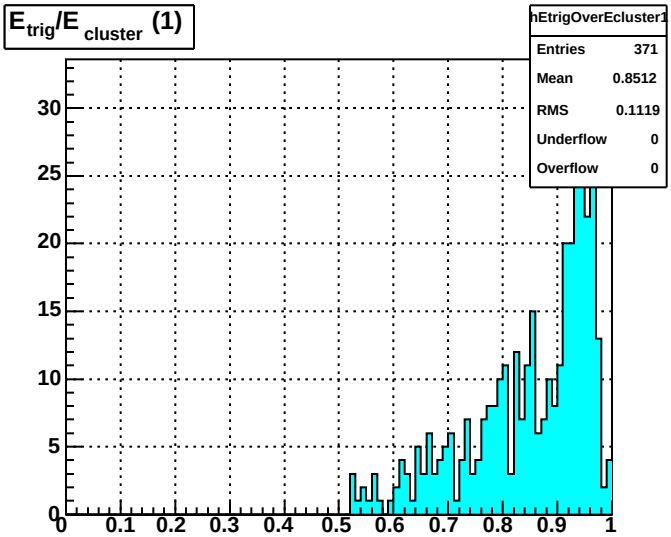

Tower Id2 3201-4800
hTowerId2c
Entries 103
Mean 3952
RMS 498
Underflow 0
Overflow 0
softId

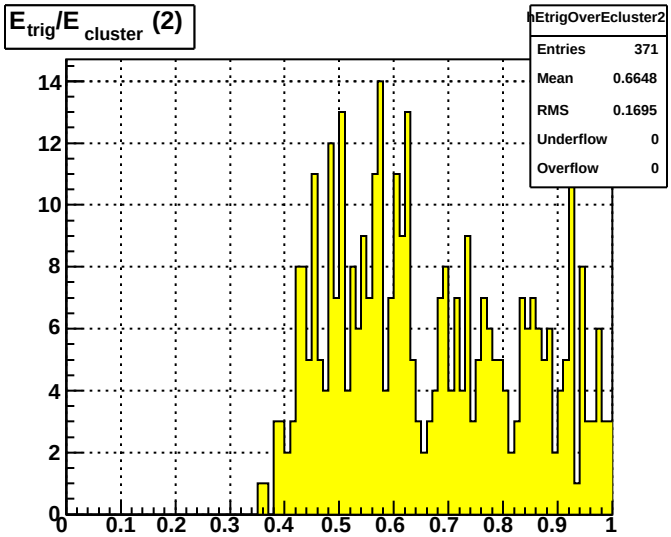

VPD vertex
hVpdVertex
Entries 371
Mean -41.64
RMS 38.16
Underflow 65
Overflow 0
χ² / ndf 110.8 / 66
Constant 4.53 ± 2.06
Mean -134.2 ± 122.5
Sigma 114.1± 63.3
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 371
Mean -16.7
RMS 42.68
Underflow 50
Overflow 9
χ² / ndf 65.88 / 82
Constant 4.178 ± 0.369
Mean -13.9 ± 4.8
Sigma 55.1± 5.7
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 371
Mean x -40.08
Mean y 5.555
RMS x 40.71
RMS y 25.14
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 371
Mean x -10.67
Mean y 5.104
RMS x 44.03
RMS y 24.31
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 371
Mean 0.8512
RMS 0.1119
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 371
Mean 0.6648
RMS 0.1695
Underflow 0
Overflow 0