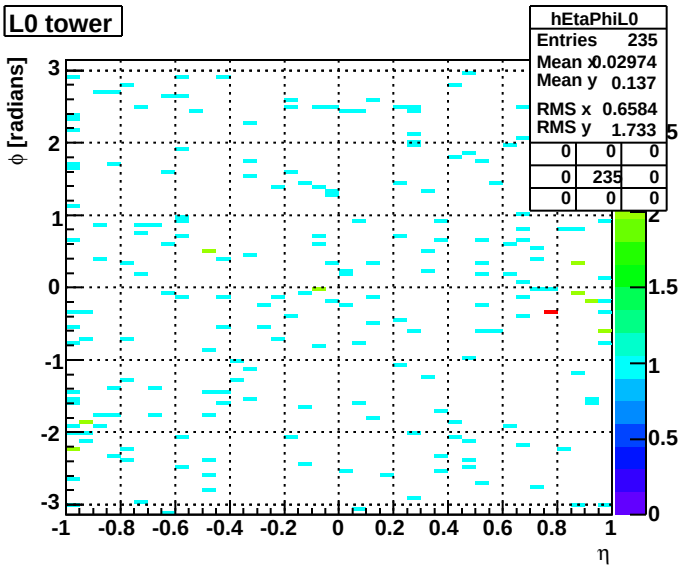
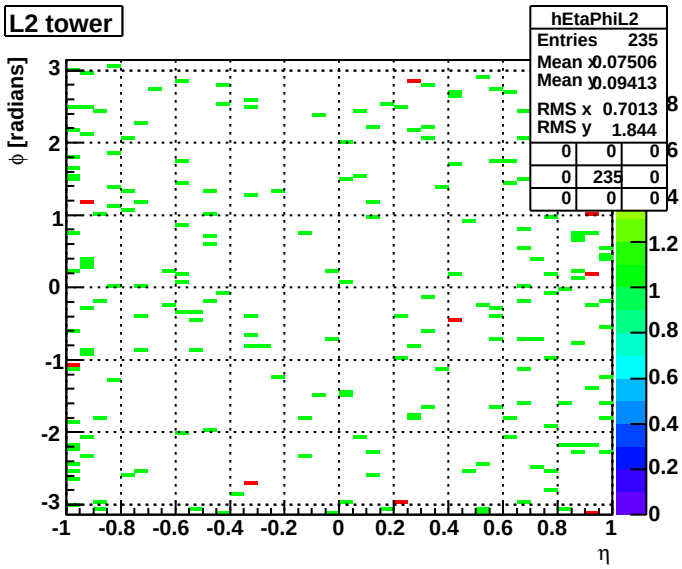
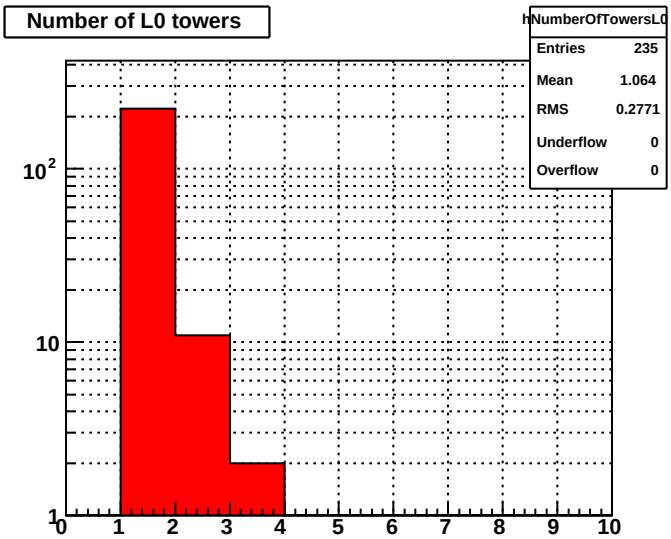
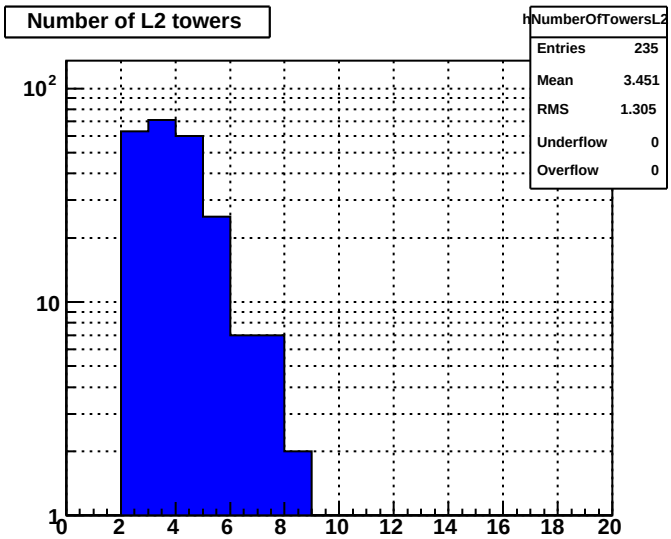
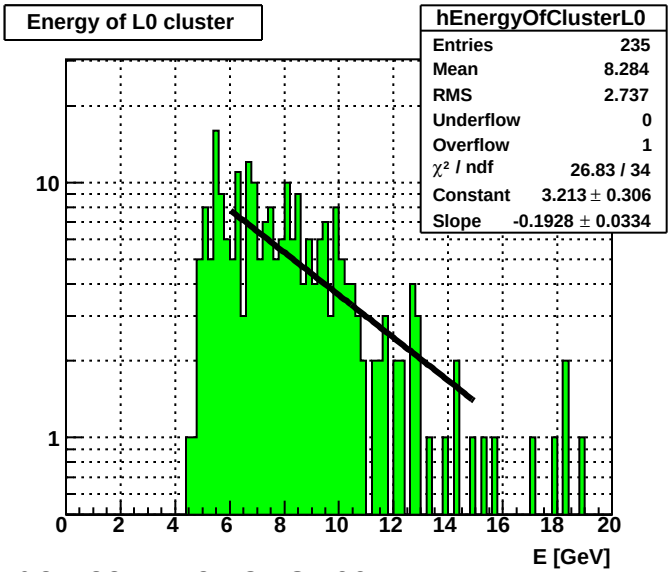
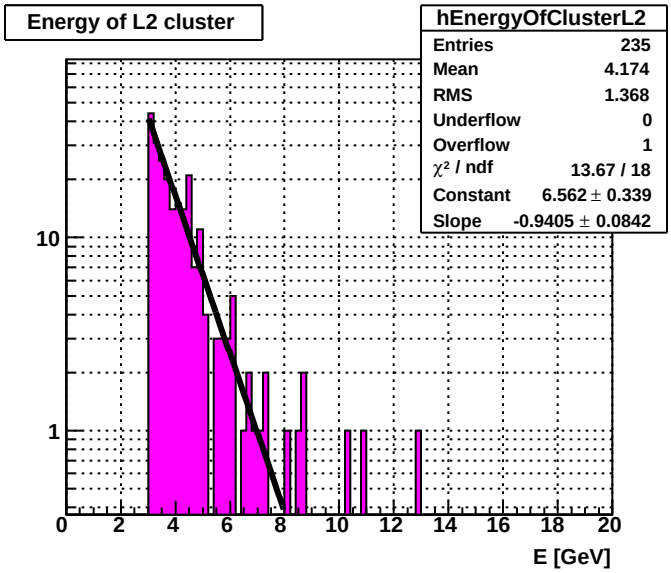

L0 tower
hEtaPhiL0
Entries 235
Mean x 0.02974
Mean y 0.137
RMS x 0.6584
RMS y 1.733
φ [radians]
η

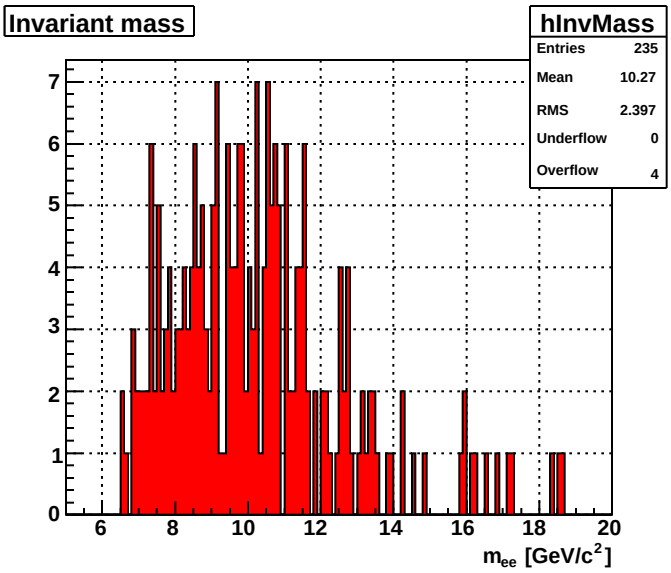

L2 tower
hEtaPhiL2
Entries 235
Mean x 0.07506
Mean y 0.09413
RMS x 0.7013
RMS y 1.844
φ [radians]
η

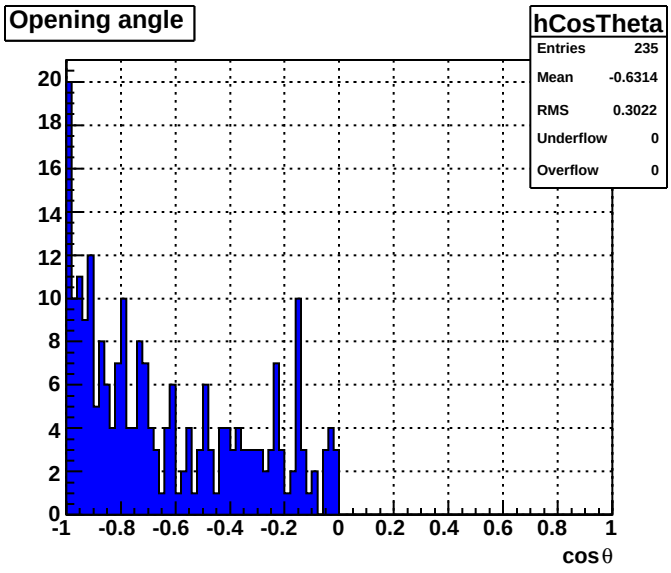

Number of L0 towers
hNumberOfTowersL0
Entries 235
Mean 1.064
RMS 0.2771
Underflow 0
Overflow 0

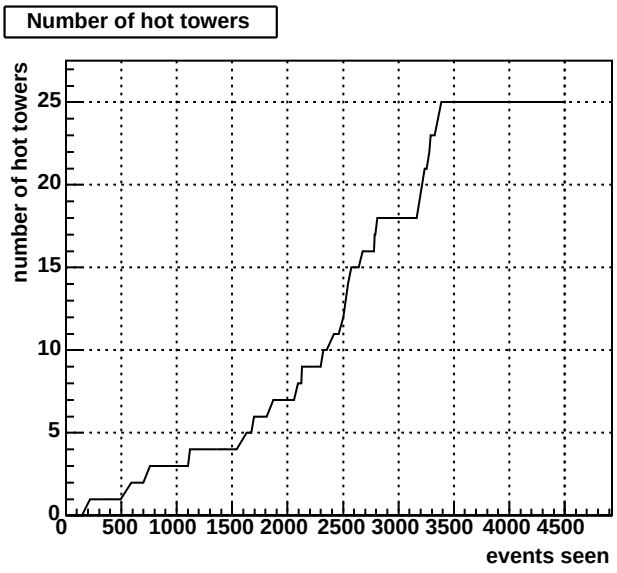

Number of L2 towers
hNumberOfTowersL2
Entries 235
Mean 3.451
RMS 1.305
Underflow 0
Overflow 0

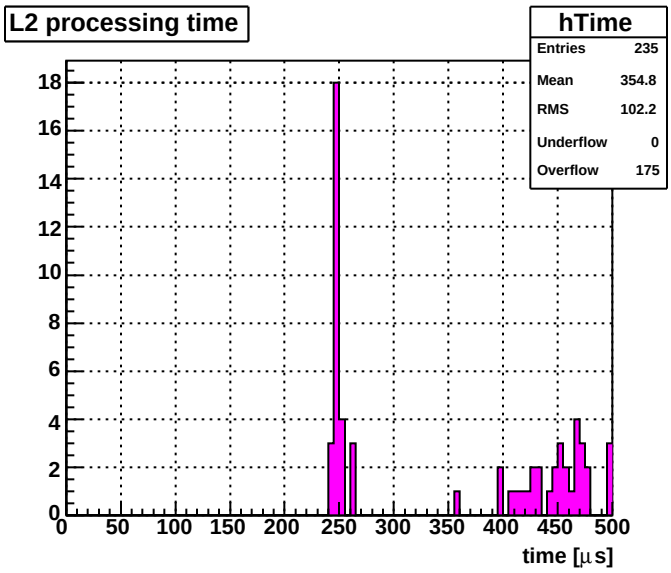

Energy of L0 cluster
hEnergyOfClusterL0
Entries 235
Mean 8.284
RMS 2.737
Underflow 0
Overflow 1
χ² / ndf 26.83 / 34
Constant 3.213 ± 0.306
Slope -0.1928 ± 0.0334
E [GeV]

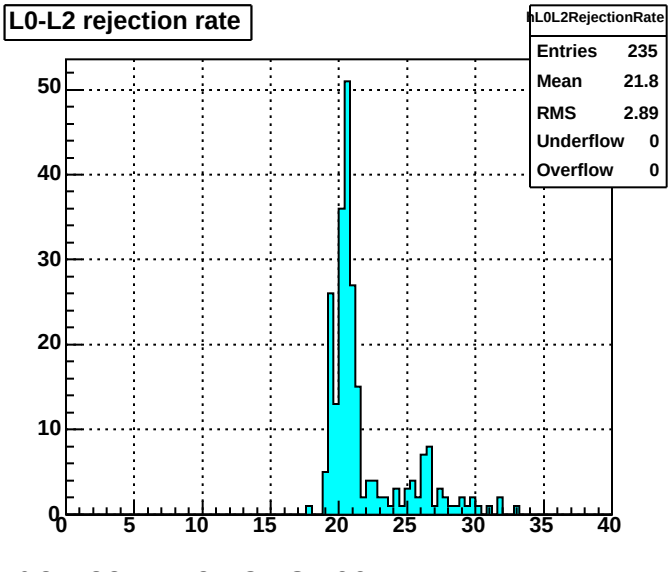

Energy of L2 cluster
hEnergyOfClusterL2
Entries 235
Mean 4.174
RMS 1.368
Underflow 0
Overflow 1
χ² / ndf 13.67 / 18
Constant 6.562 ± 0.339
Slope -0.9405 ± 0.0842
E [GeV]

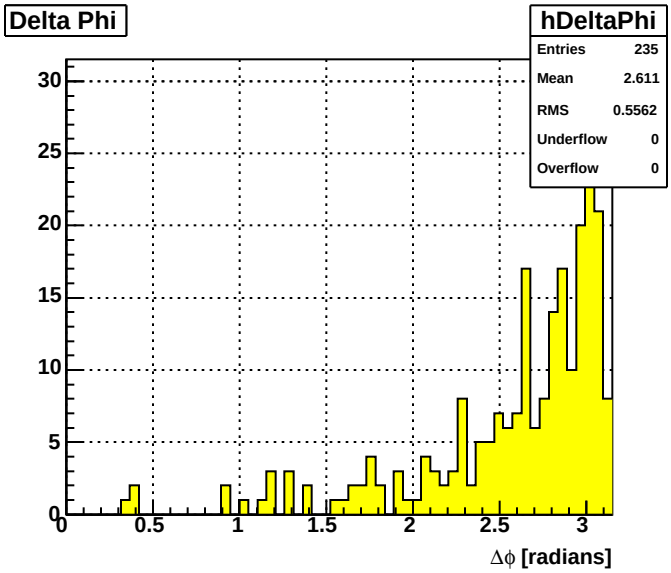

Invariant mass
hInvMass
Entries 235
Mean 10.27
RMS 2.397
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

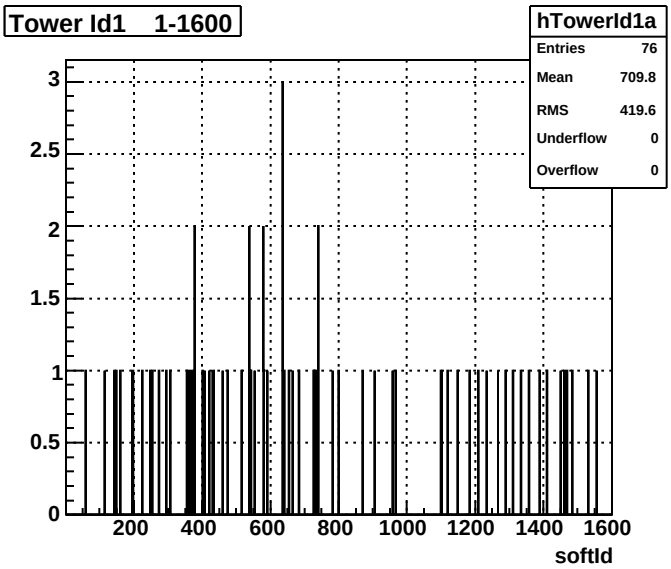

Opening angle
hCosTheta
Entries 235
Mean -0.6314
RMS 0.3022
Underflow 0
Overflow 0
cos θ

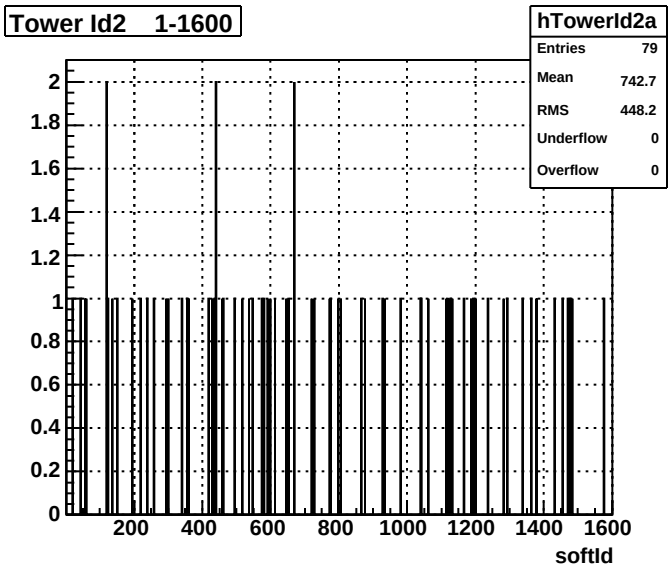

Number of hot towers
number of hot towers
events seen

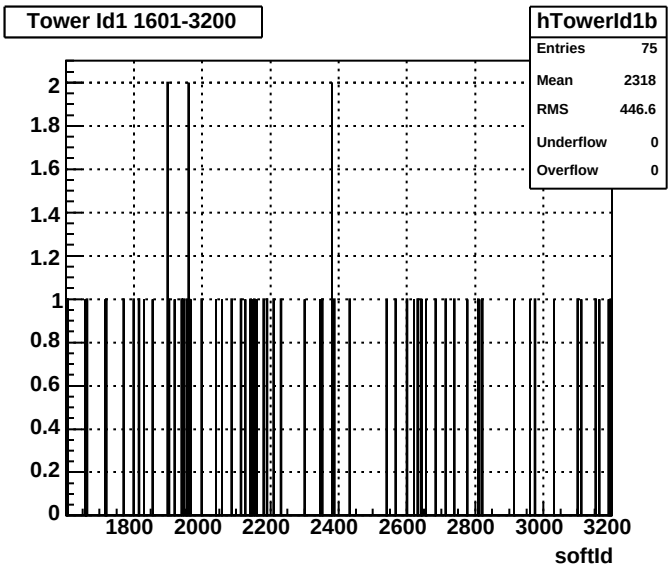

L2 processing time
hTime
Entries 235
Mean 354.8
RMS 102.2
Underflow 0
Overflow 175
time [μs]

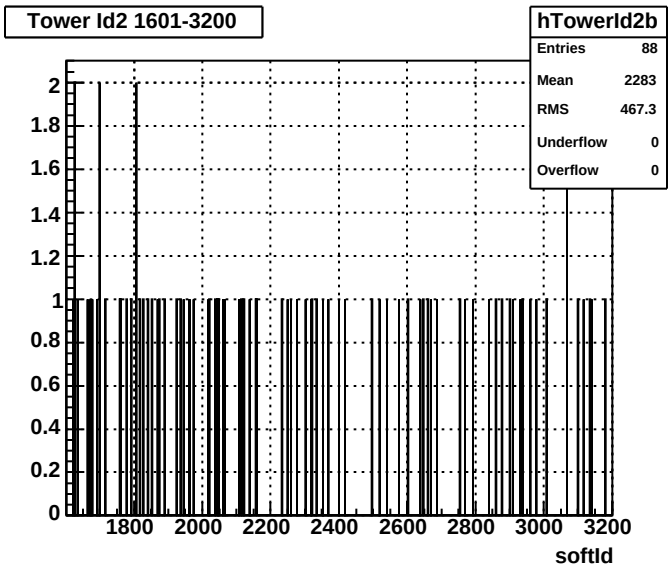

L0-L2 rejection rate
hL0L2RejectionRate
Entries 235
Mean 21.8
RMS 2.89
Underflow 0
Overflow 0

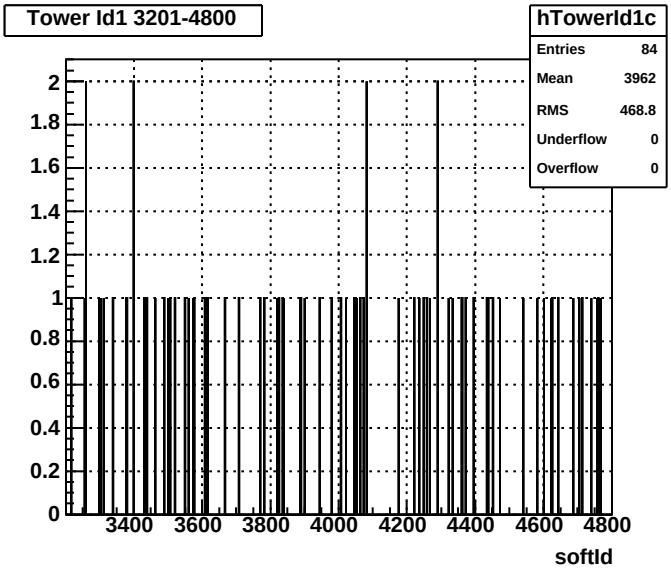

Delta Phi
hDeltaPhi
Entries 235
Mean 2.611
RMS 0.5562
Underflow 0
Overflow 0
Δφ [radians]

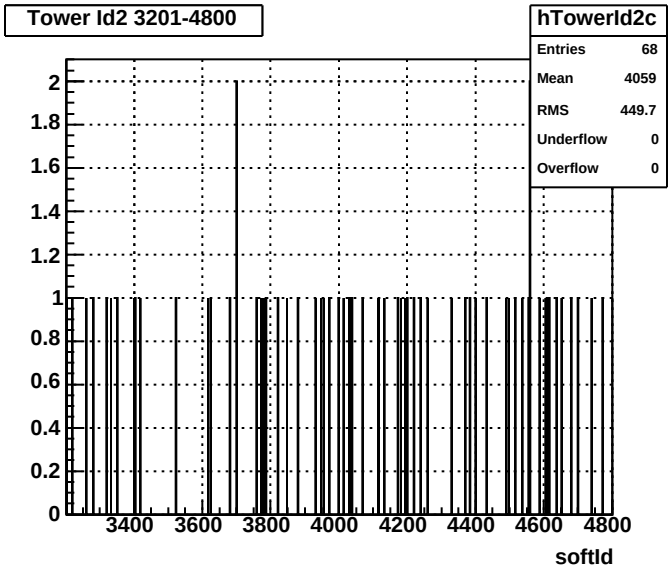

Tower Id1 1-1600
hTowerId1a
Entries 76
Mean 709.8
RMS 419.6
Underflow 0
Overflow 0
softId

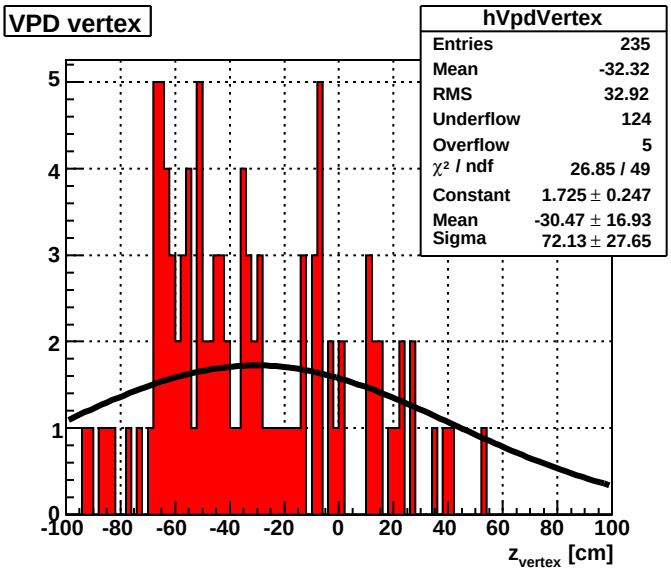

Tower Id2 1-1600
hTowerId2a
Entries 79
Mean 742.7
RMS 448.2
Underflow 0
Overflow 0
softId

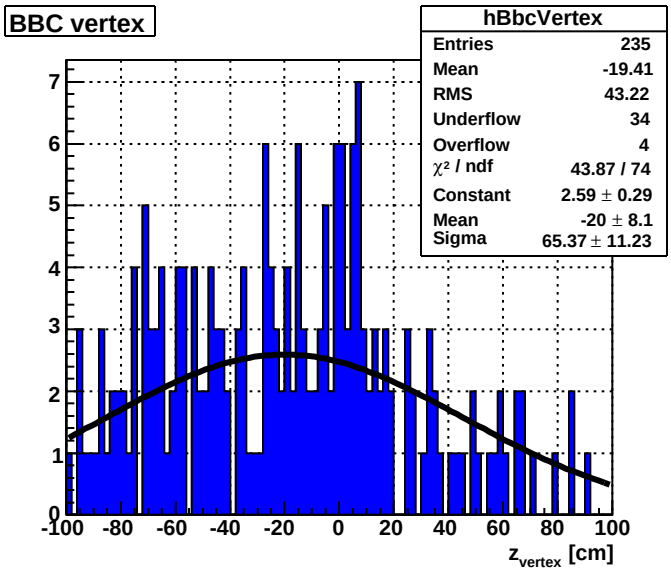

Tower Id1 1601-3200
hTowerId1b
Entries 75
Mean 2318
RMS 446.6
Underflow 0
Overflow 0
softId

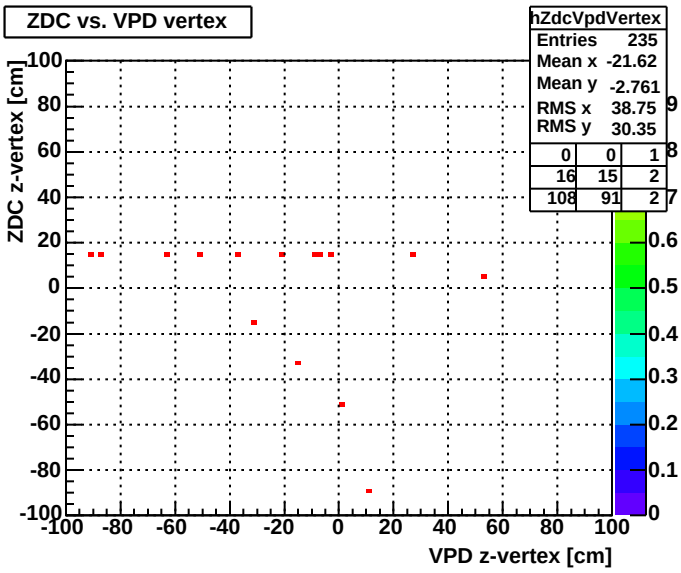

Tower Id2 1601-3200
hTowerId2b
Entries 88
Mean 2283
RMS 467.3
Underflow 0
Overflow 0
softId

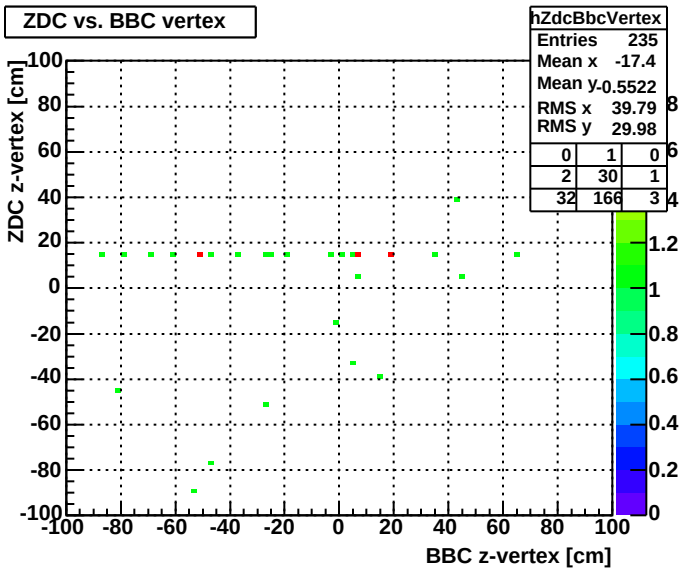

Tower Id1 3201-4800
hTowerId1c
Entries 84
Mean 3962
RMS 468.8
Underflow 0
Overflow 0
softId

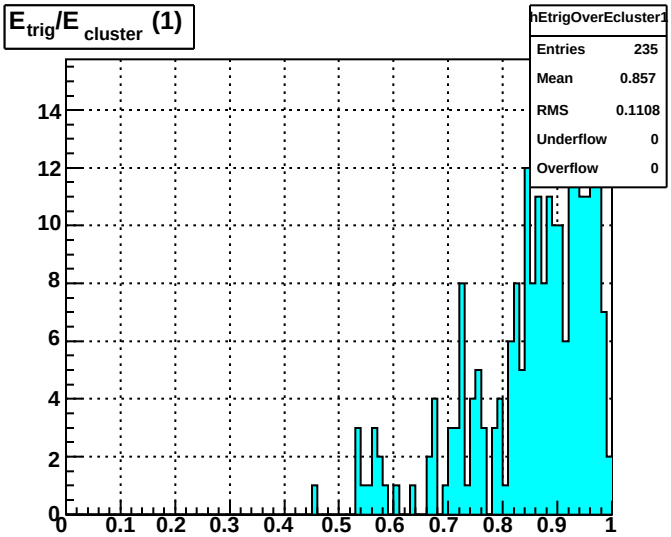

Tower Id2 3201-4800
hTowerId2c
Entries 68
Mean 4059
RMS 449.7
Underflow 0
Overflow 0
softId

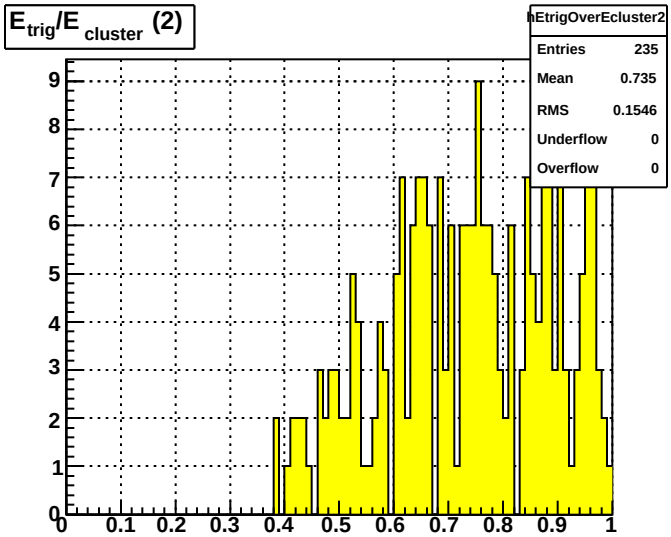

VPD vertex
hVpdVertex
Entries 235
Mean -32.32
RMS 32.92
Underflow 124
Overflow 5
χ² / ndf 26.85 / 49
Constant 1.725 ± 0.247
Mean -30.47 ± 16.93
Sigma 72.13 ± 27.65
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 235
Mean -19.41
RMS 43.22
Underflow 34
Overflow 4
χ² / ndf 43.87 / 74
Constant 2.59 ± 0.29
Mean -20 ± 8.1
Sigma 65.37 ± 11.23
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 235
Mean x -21.62
Mean y -2.761
RMS x 38.75
RMS y 30.35
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 235
Mean x -17.4
Mean y -0.5522
RMS x 39.79
RMS y 29.98
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 235
Mean 0.857
RMS 0.1108
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 235
Mean 0.735
RMS 0.1546
Underflow 0
Overflow 0