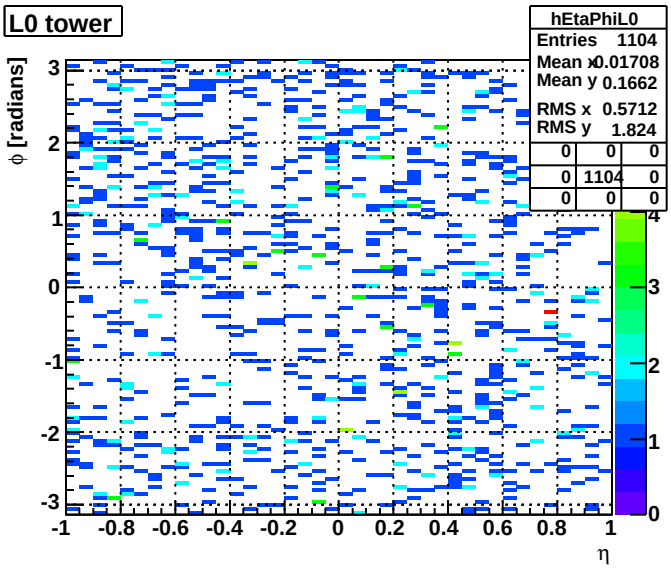
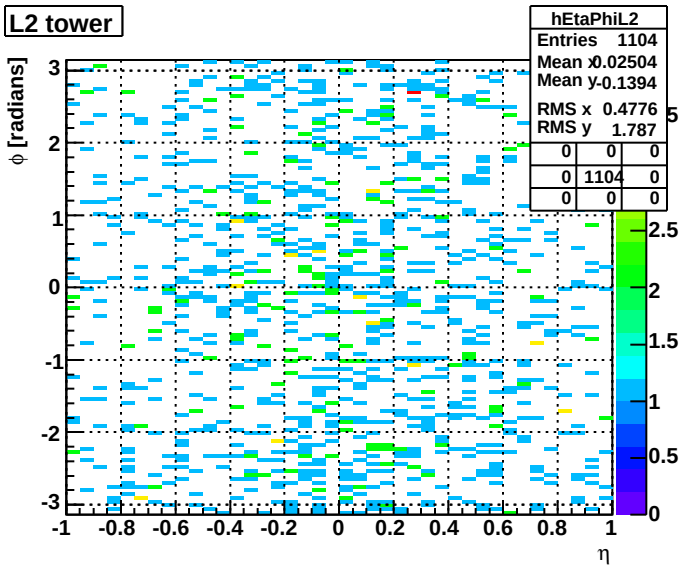
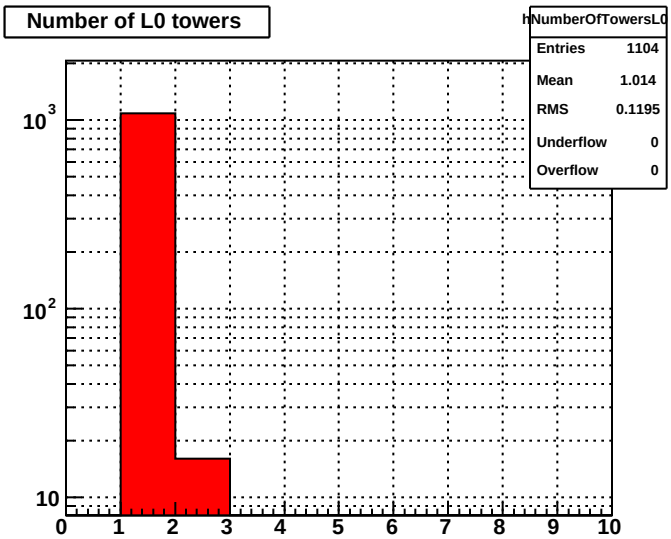
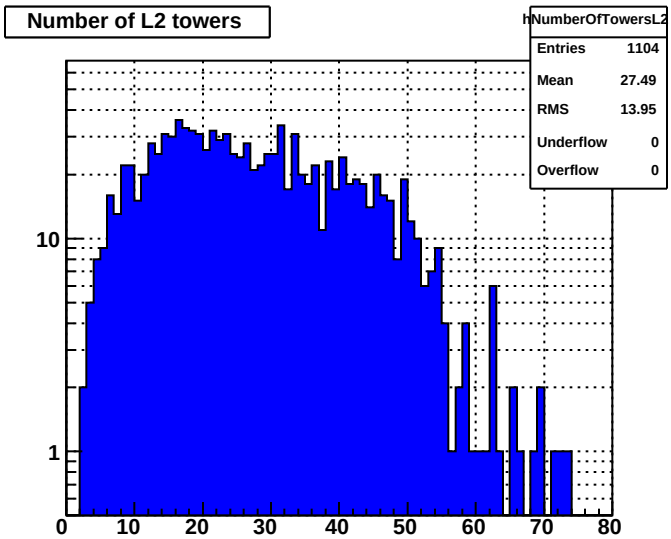
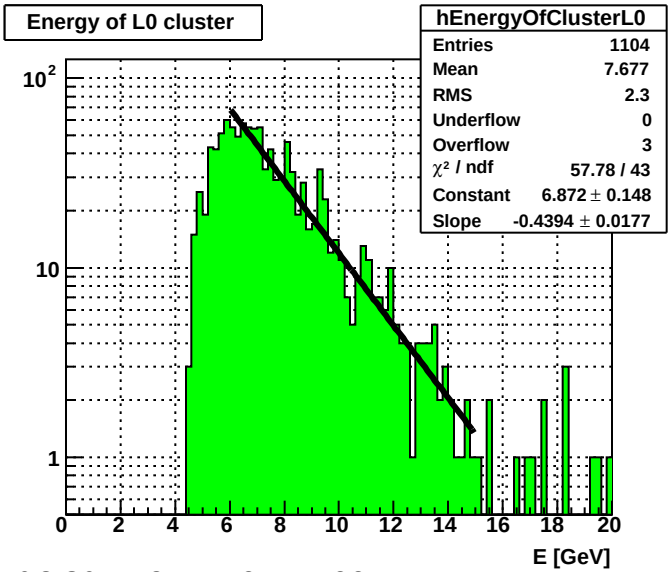
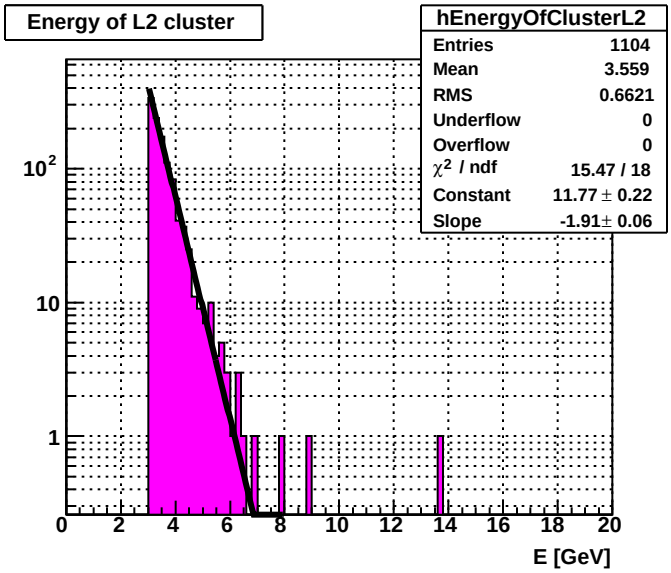

L0 tower
hEtaPhiL0
Entries 1104
Mean x 0.01708
Mean y 0.1662
RMS x 0.5712
RMS y 1.824
φ [radians]
η

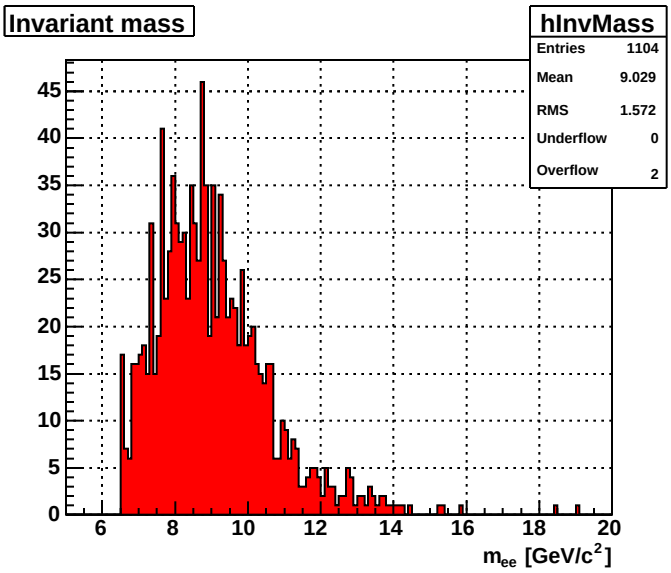

L2 tower
hEtaPhiL2
Entries 1104
Mean x 0.02504
Mean y -0.1394
RMS x 0.4776
RMS y 1.787
φ [radians]
η

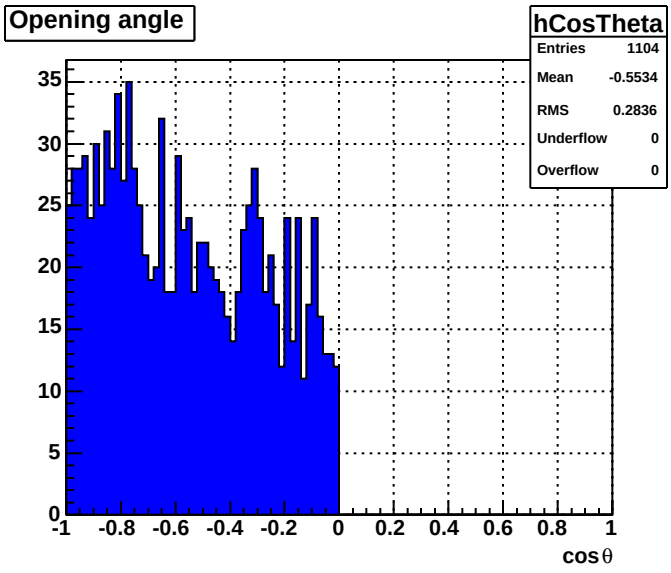

Number of L0 towers
hNumberOfTowersL0
Entries 1104
Mean 1.014
RMS 0.1195
Underflow 0
Overflow 0

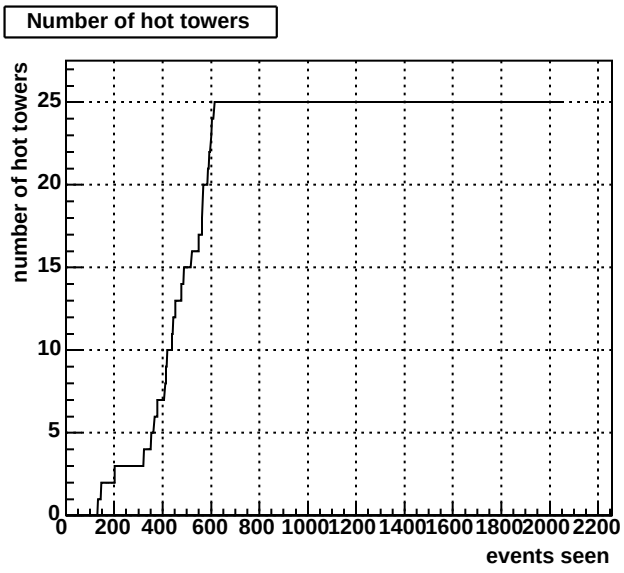

Number of L2 towers
hNumberOfTowersL2
Entries 1104
Mean 27.49
RMS 13.95
Underflow 0
Overflow 0

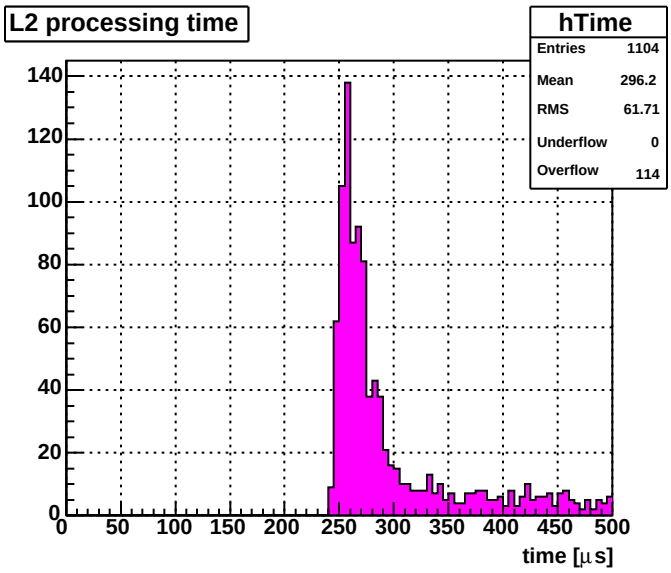

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1104
Mean 7.677
RMS 2.3
Underflow 0
Overflow 3
χ² / ndf 57.78 / 43
Constant 6.872 ± 0.148
Slope -0.4394 ± 0.0177
E [GeV]

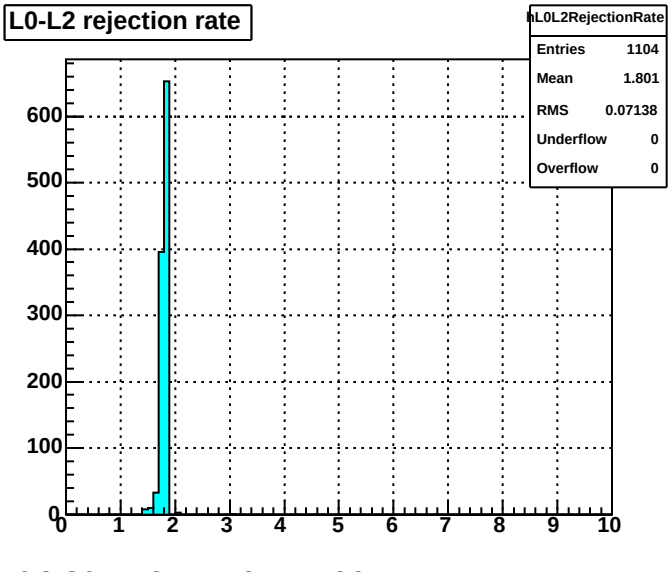

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1104
Mean 3.559
RMS 0.6621
Underflow 0
Overflow 0
χ² / ndf 15.47 / 18
Constant 11.77 ± 0.22
Slope -1.91 ± 0.06
E [GeV]

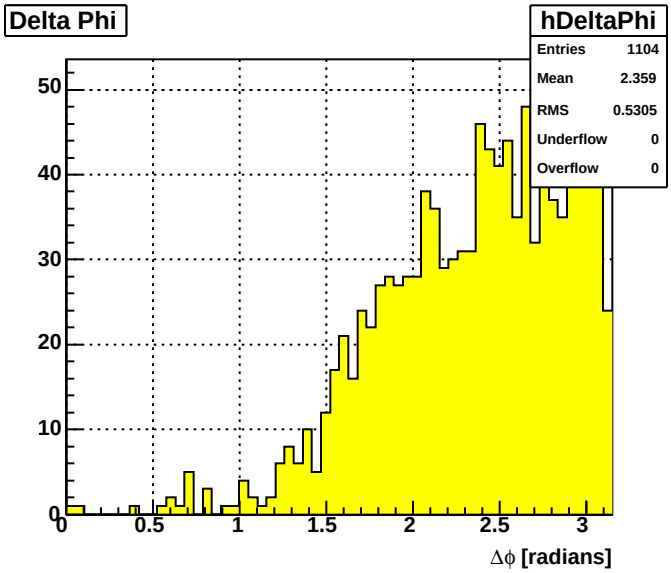

Invariant mass
hInvMass
Entries 1104
Mean 9.029
RMS 1.572
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

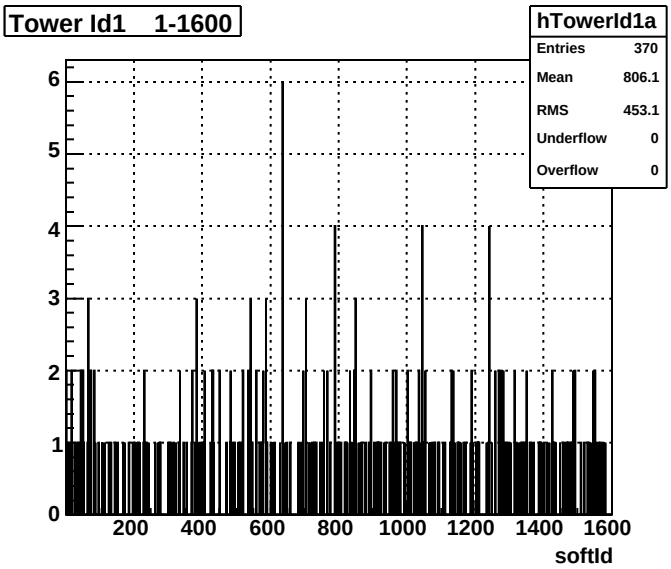

Opening angle
hCosTheta
Entries 1104
Mean -0.5534
RMS 0.2836
Underflow 0
Overflow 0
cos θ

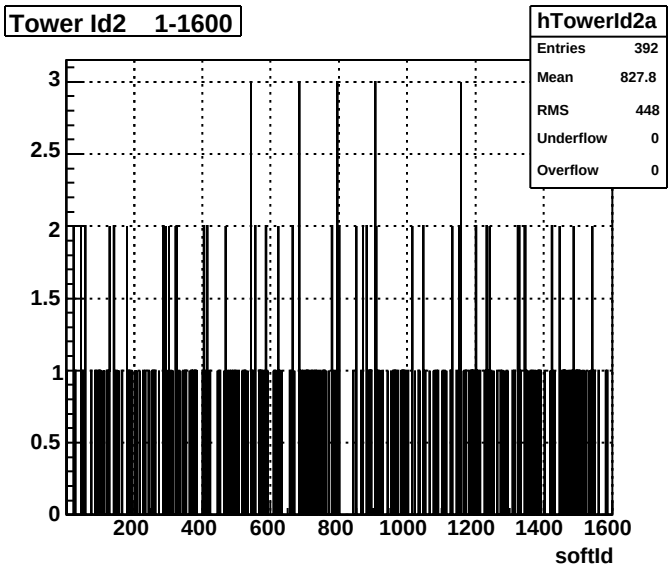

Number of hot towers
number of hot towers
events seen

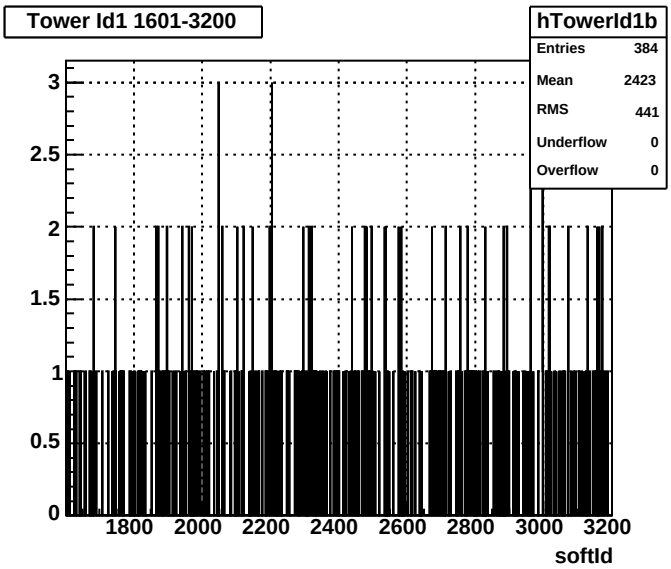

L2 processing time
hTime
Entries 1104
Mean 296.2
RMS 61.71
Underflow 0
Overflow 114
time [μs]

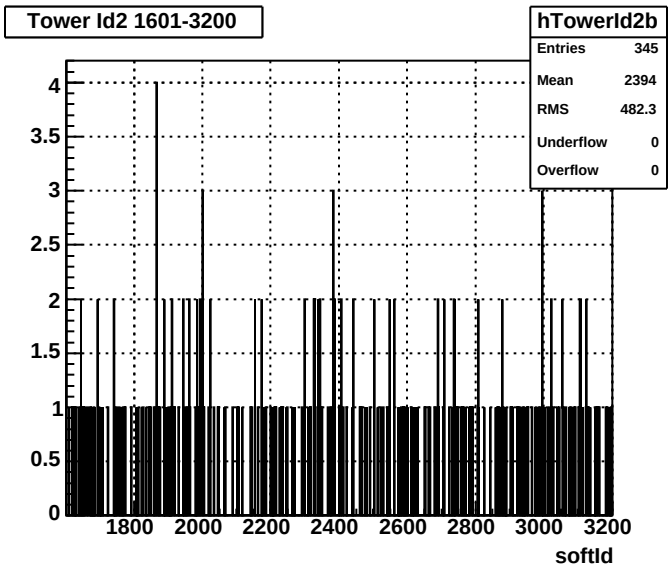

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1104
Mean 1.801
RMS 0.07138
Underflow 0
Overflow 0

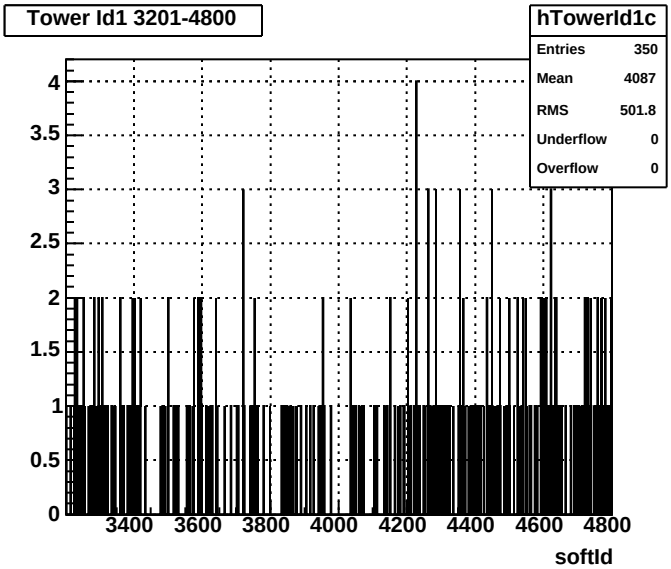

Delta Phi
hDeltaPhi
Entries 1104
Mean 2.359
RMS 0.5305
Underflow 0
Overflow 0
Δφ [radians]

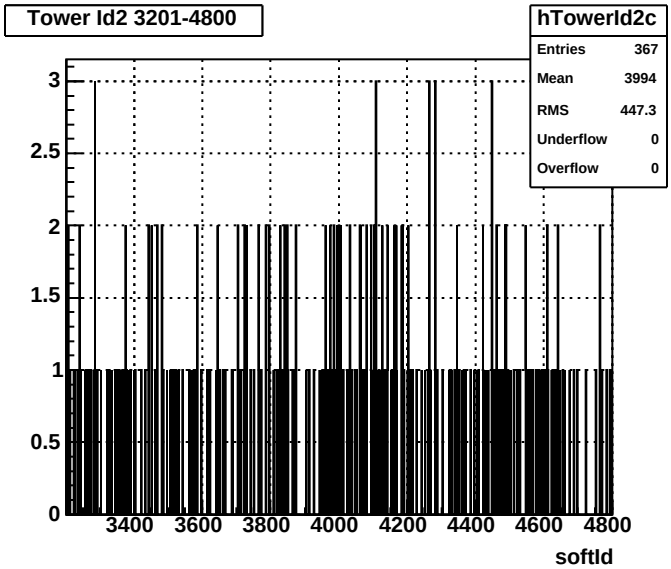

Tower Id1 1-1600
hTowerId1a
Entries 370
Mean 806.1
RMS 453.1
Underflow 0
Overflow 0
softId

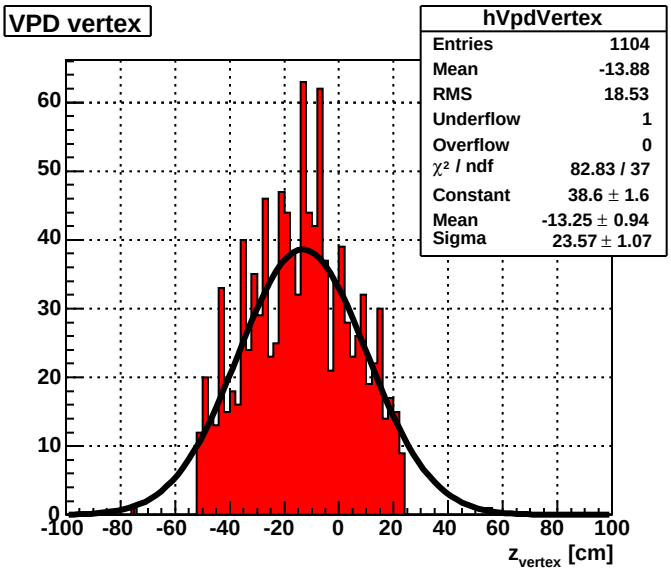

Tower Id2 1-1600
hTowerId2a
Entries 392
Mean 827.8
RMS 448
Underflow 0
Overflow 0
softId

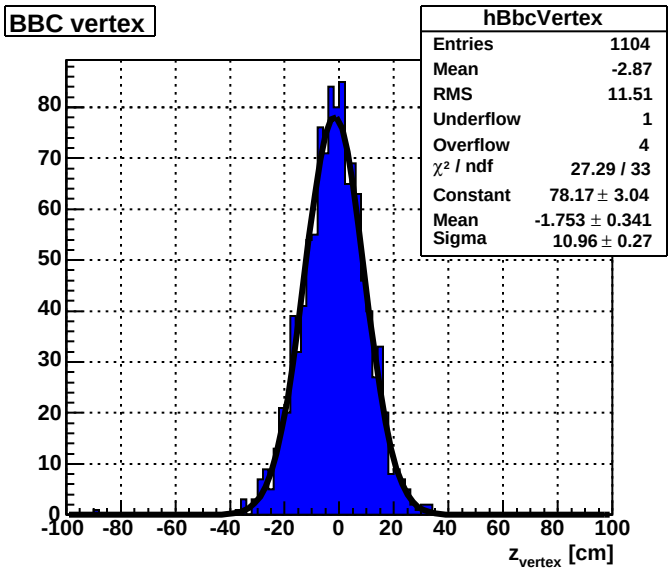

Tower Id1 1601-3200
hTowerId1b
Entries 384
Mean 2423
RMS 441
Underflow 0
Overflow 0
softId

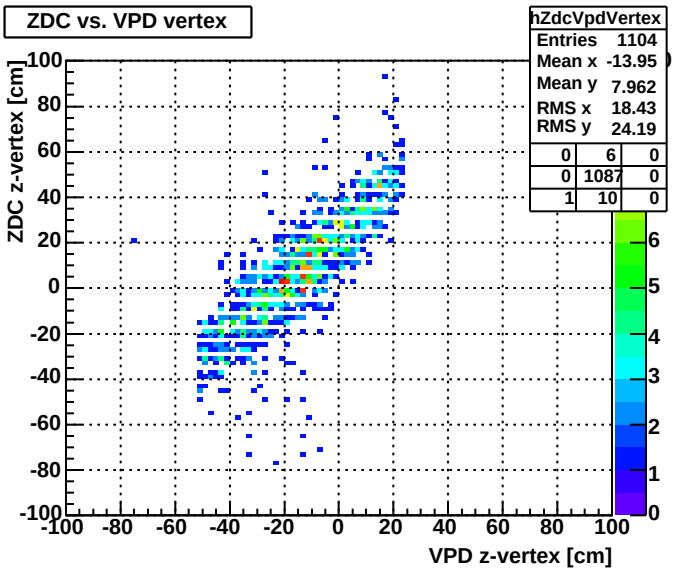

Tower Id2 1601-3200
hTowerId2b
Entries 345
Mean 2394
RMS 482.3
Underflow 0
Overflow 0
softId

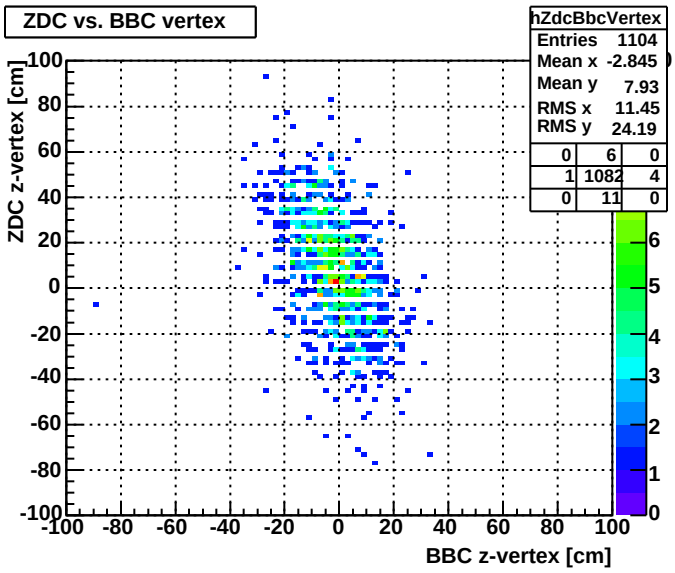

Tower Id1 3201-4800
hTowerId1c
Entries 350
Mean 4087
RMS 501.8
Underflow 0
Overflow 0
softId

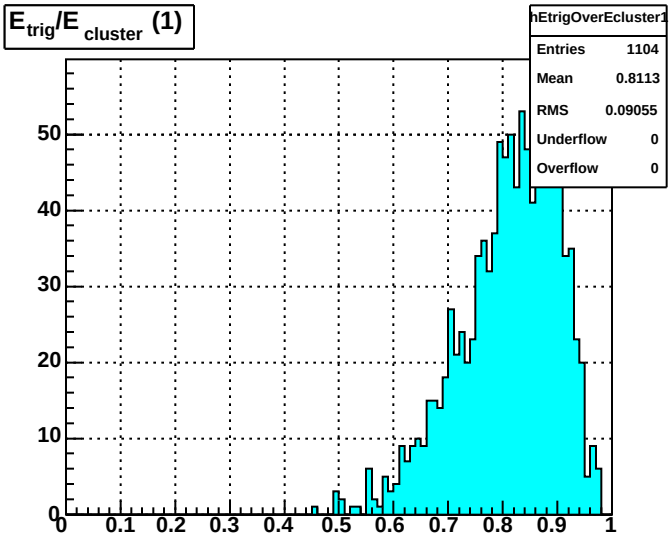

Tower Id2 3201-4800
hTowerId2c
Entries 367
Mean 3994
RMS 447.3
Underflow 0
Overflow 0
softId

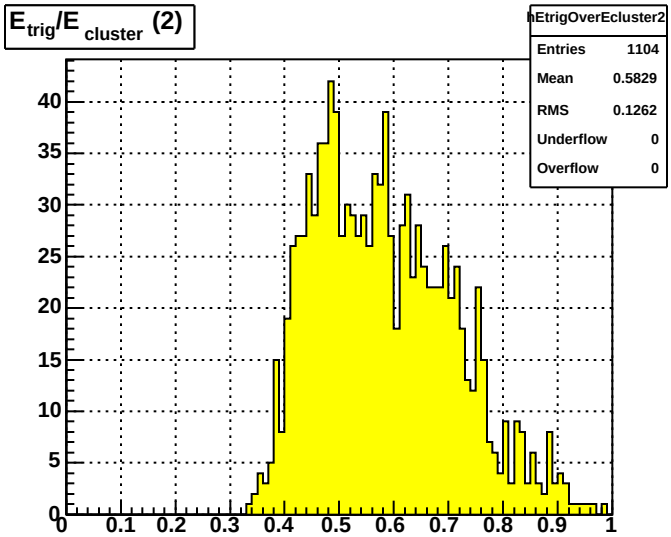

VPD vertex
hVpdVertex
Entries 1104
Mean -13.88
RMS 18.53
Underflow 1
Overflow 0
χ² / ndf 82.83 / 37
Constant 38.6 ± 1.6
Mean -13.25 ± 0.94
Sigma 23.57 ± 1.07
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1104
Mean -2.87
RMS 11.51
Underflow 1
Overflow 4
χ² / ndf 27.29 / 33
Constant 78.17 ± 3.04
Mean -1.753 ± 0.341
Sigma 10.96 ± 0.27
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1104
Mean x -13.95
Mean y 7.962
RMS x 18.43
RMS y 24.19
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1104
Mean x -2.845
Mean y 7.93
RMS x 11.45
RMS y 24.19
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1104
Mean 0.8113
RMS 0.09055
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1104
Mean 0.5829
RMS 0.1262
Underflow 0
Overflow 0