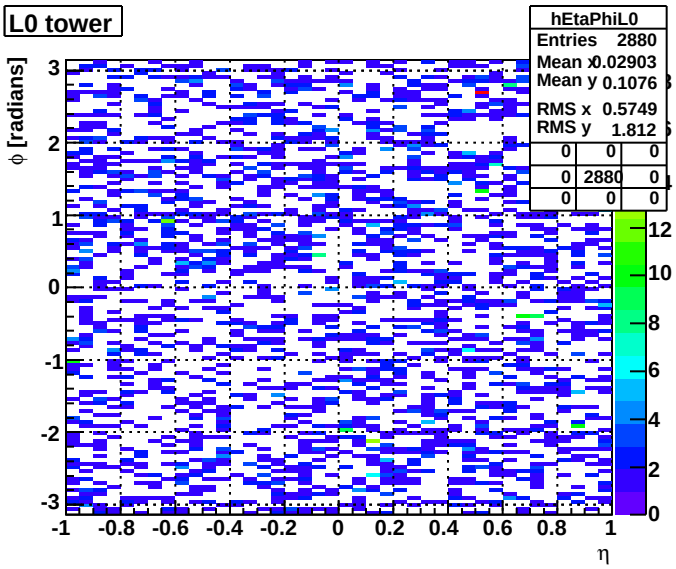
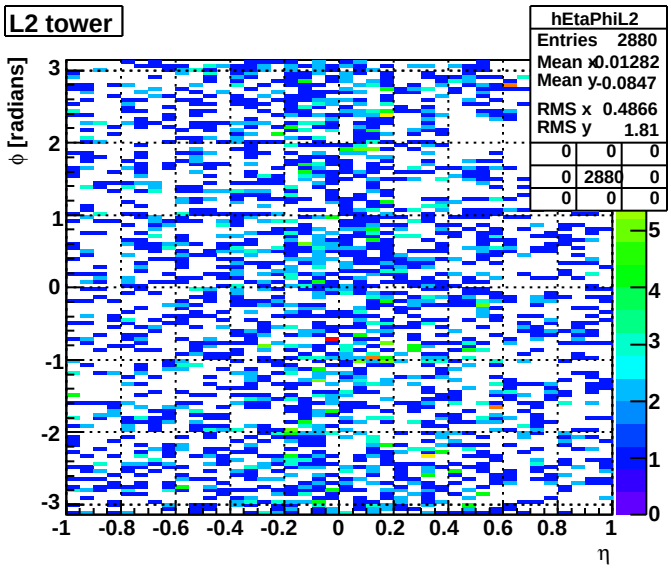
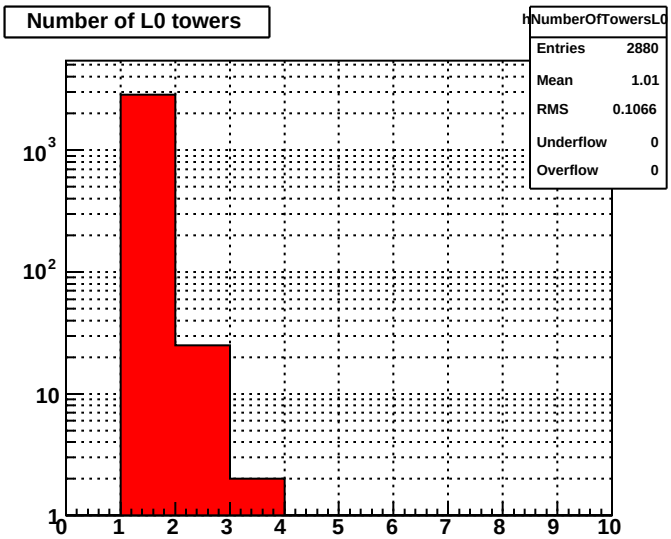
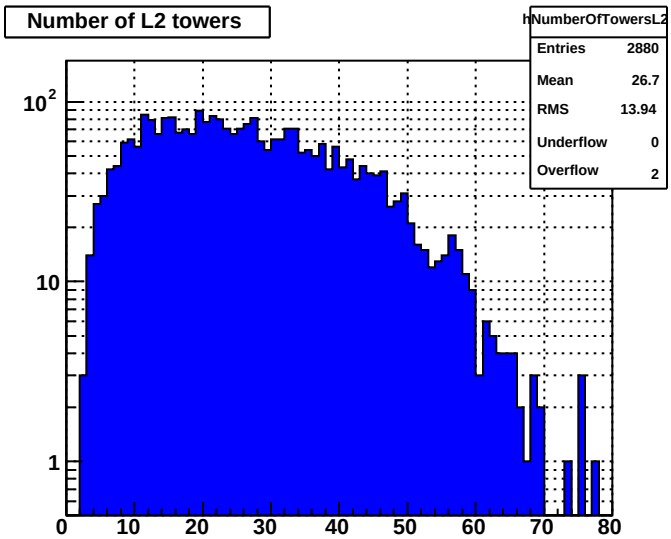
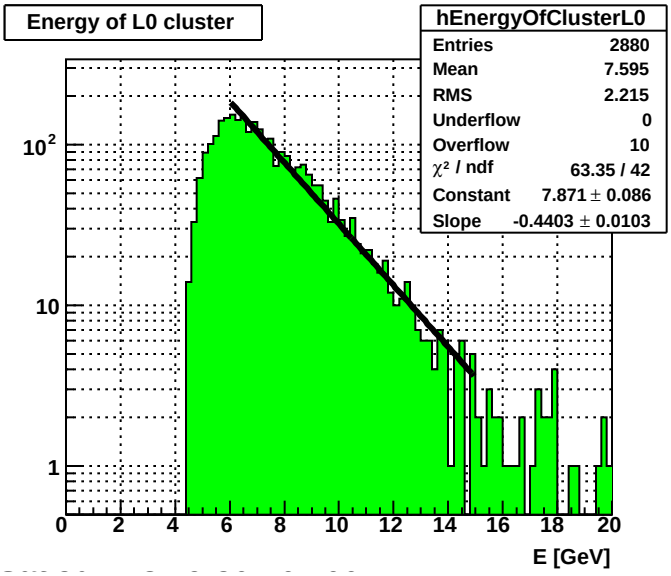
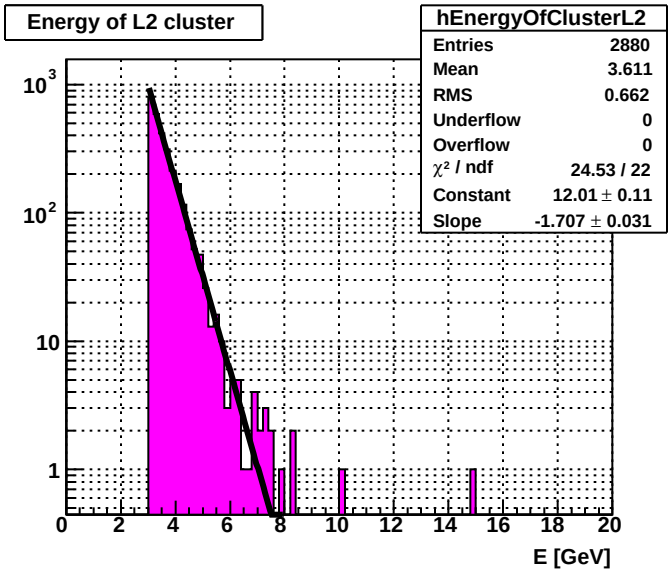

L0 tower
hEtaPhiL0
Entries 2880
Mean x 0.02903
Mean y 0.1076
RMS x 0.5749
RMS y 1.812
φ [radians]
η

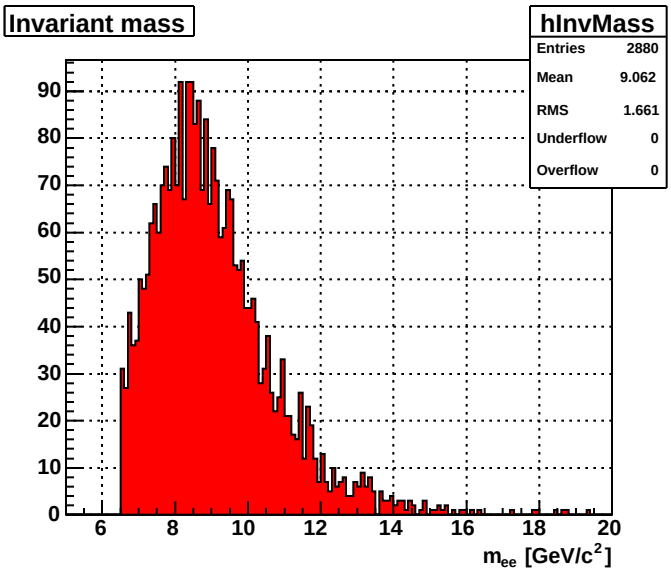

L2 tower
hEtaPhiL2
Entries 2880
Mean x 0.01282
Mean y -0.0847
RMS x 0.4866
RMS y 1.81
φ [radians]
η

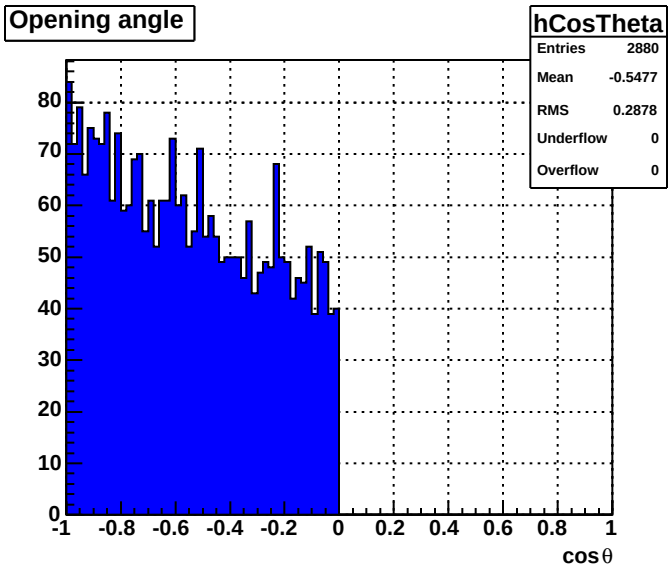

Number of L0 towers
hNumberOfTowersL0
Entries 2880
Mean 1.01
RMS 0.1066
Underflow 0
Overflow 0

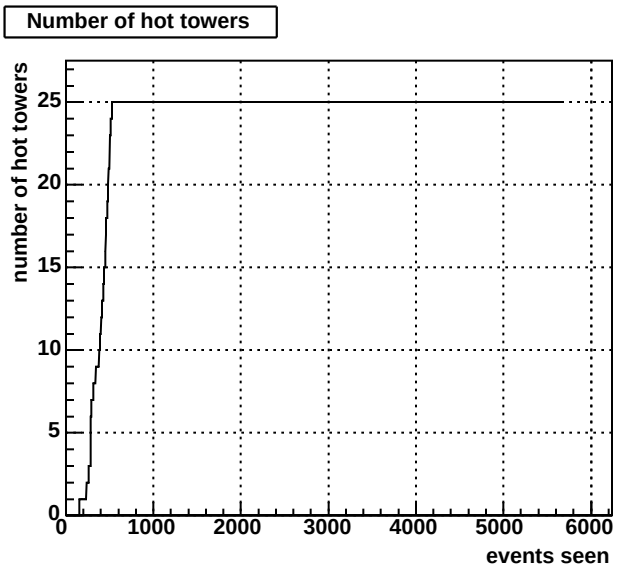

Number of L2 towers
hNumberOfTowersL2
Entries 2880
Mean 26.7
RMS 13.94
Underflow 0
Overflow 2

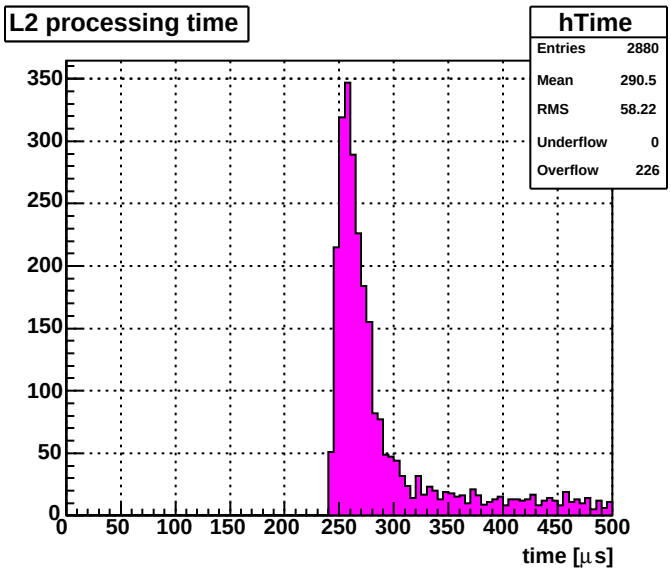

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2880
Mean 7.595
RMS 2.215
Underflow 0
Overflow 10
χ² / ndf 63.35 / 42
Constant 7.871 ± 0.086
Slope -0.4403 ± 0.0103
E [GeV]

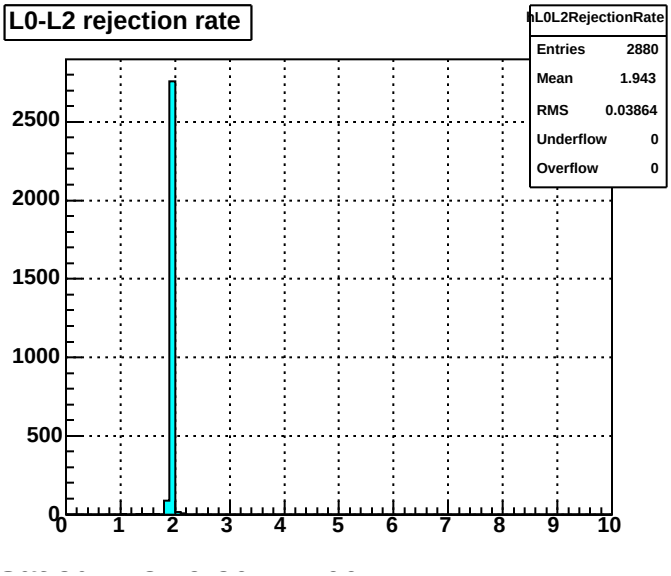

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2880
Mean 3.611
RMS 0.662
Underflow 0
Overflow 0
χ² / ndf 24.53 / 22
Constant 12.01 ± 0.11
Slope -1.707 ± 0.031
E [GeV]

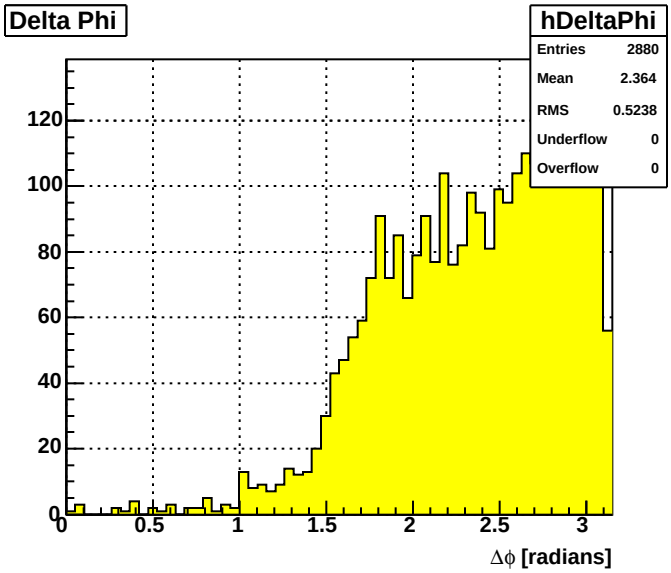

Invariant mass
hInvMass
Entries 2880
Mean 9.062
RMS 1.661
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

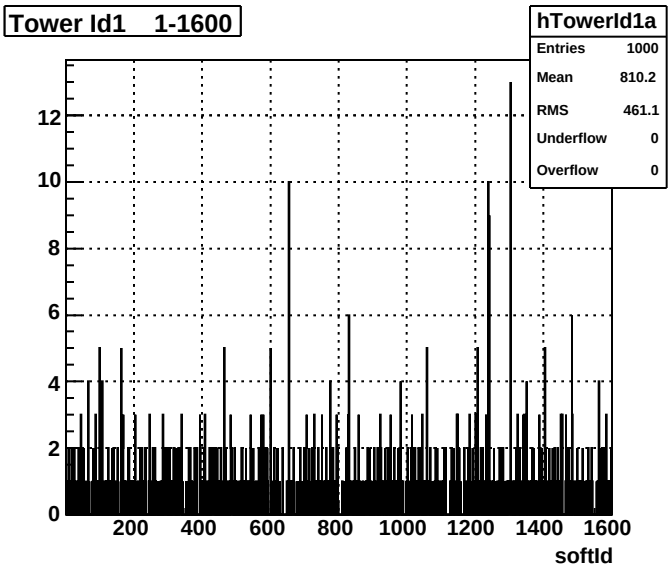

Opening angle
hCosTheta
Entries 2880
Mean -0.5477
RMS 0.2878
Underflow 0
Overflow 0
cos θ

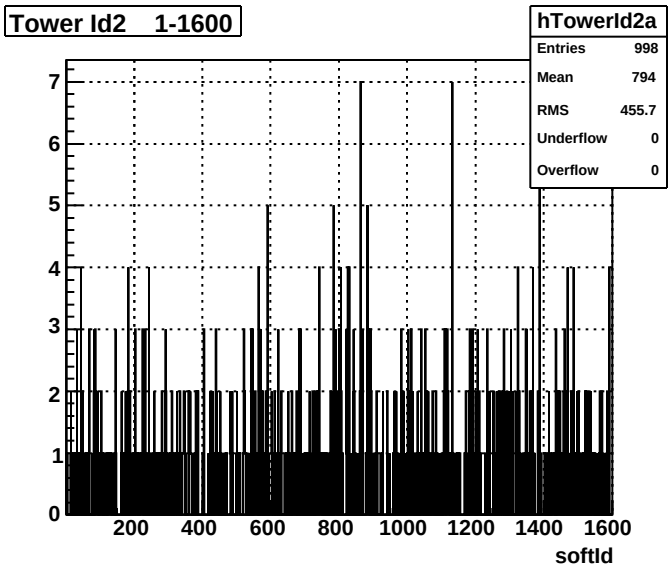

Number of hot towers
number of hot towers
events seen

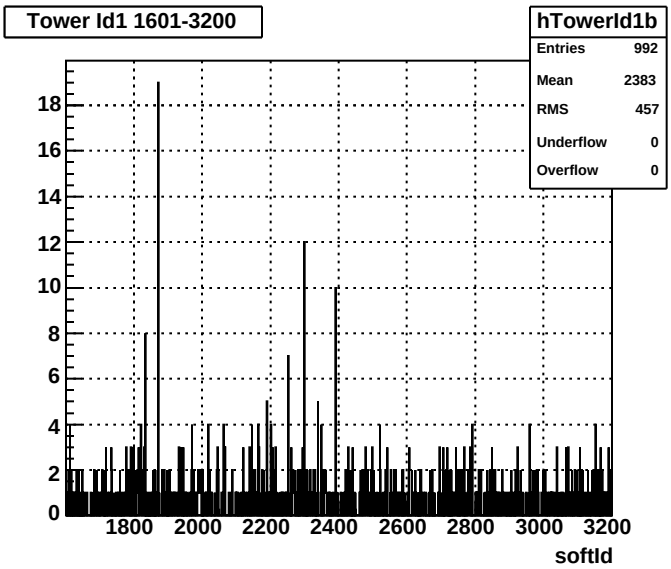

L2 processing time
hTime
Entries 2880
Mean 290.5
RMS 58.22
Underflow 0
Overflow 226
time [μs]

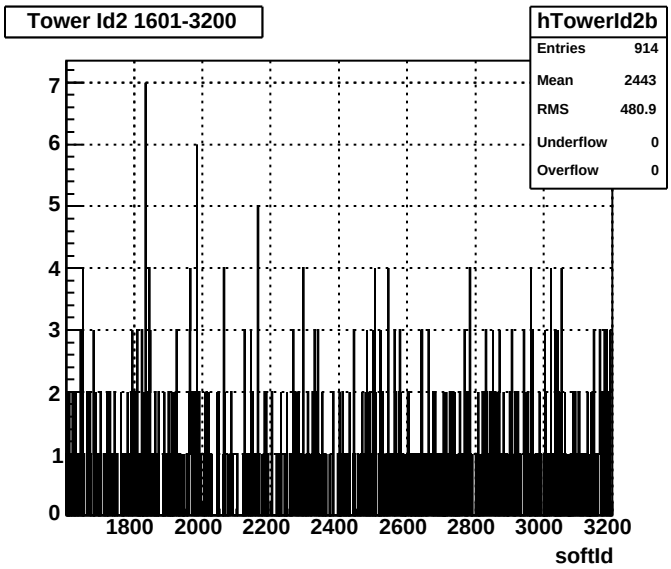

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2880
Mean 1.943
RMS 0.03864
Underflow 0
Overflow 0

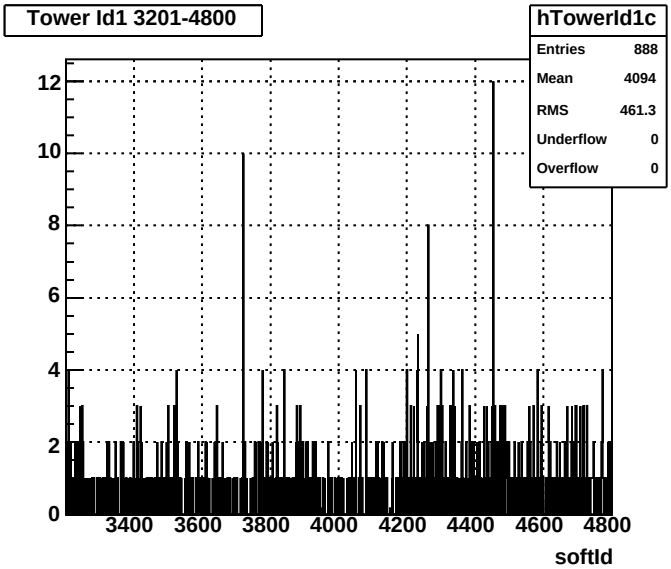

Delta Phi
hDeltaPhi
Entries 2880
Mean 2.364
RMS 0.5238
Underflow 0
Overflow 0
Δφ [radians]

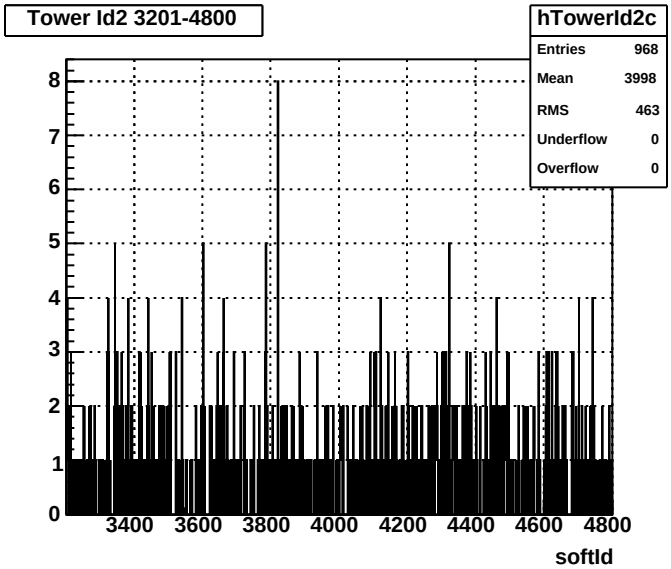

Tower Id1 1-1600
hTowerId1a
Entries 1000
Mean 810.2
RMS 461.1
Underflow 0
Overflow 0
softId

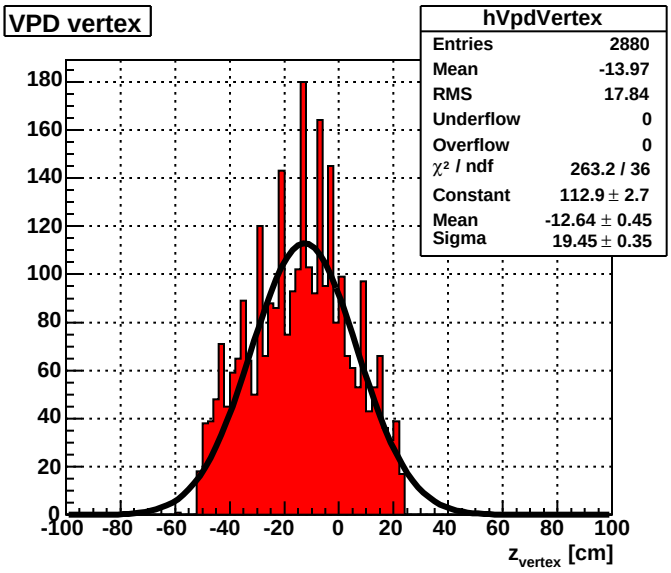

Tower Id2 1-1600
hTowerId2a
Entries 998
Mean 794
RMS 455.7
Underflow 0
Overflow 0
softId

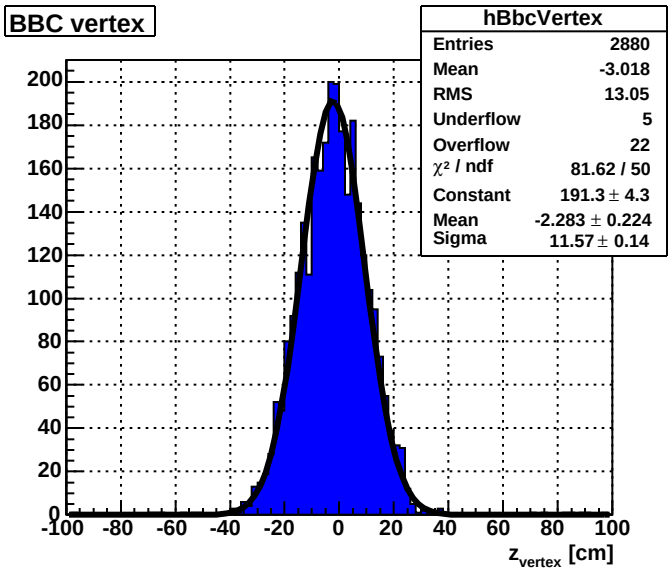

Tower Id1 1601-3200
hTowerId1b
Entries 992
Mean 2383
RMS 457
Underflow 0
Overflow 0
softId

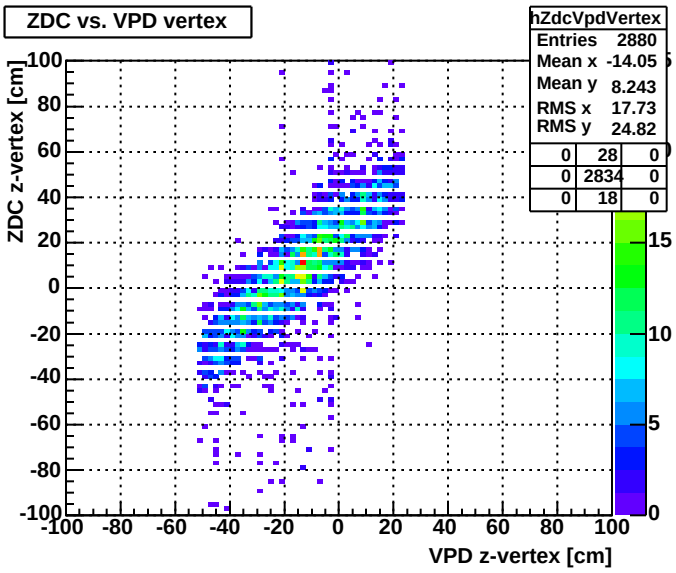

Tower Id2 1601-3200
hTowerId2b
Entries 914
Mean 2443
RMS 480.9
Underflow 0
Overflow 0
softId

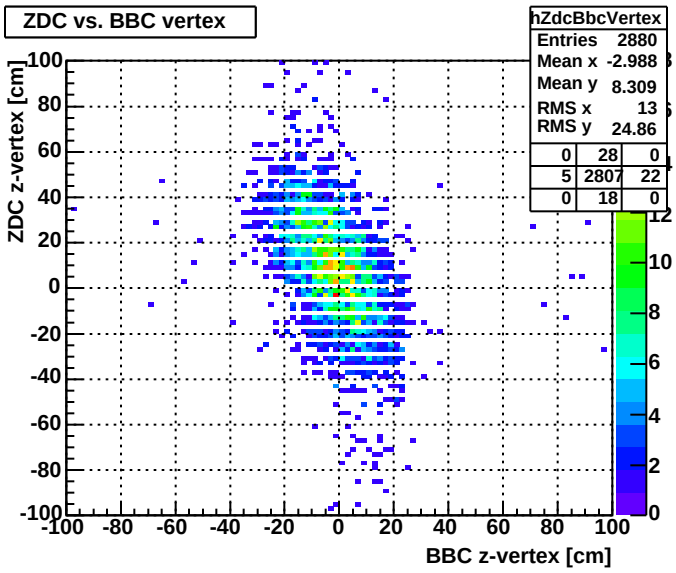

Tower Id1 3201-4800
hTowerId1c
Entries 888
Mean 4094
RMS 461.3
Underflow 0
Overflow 0
softId

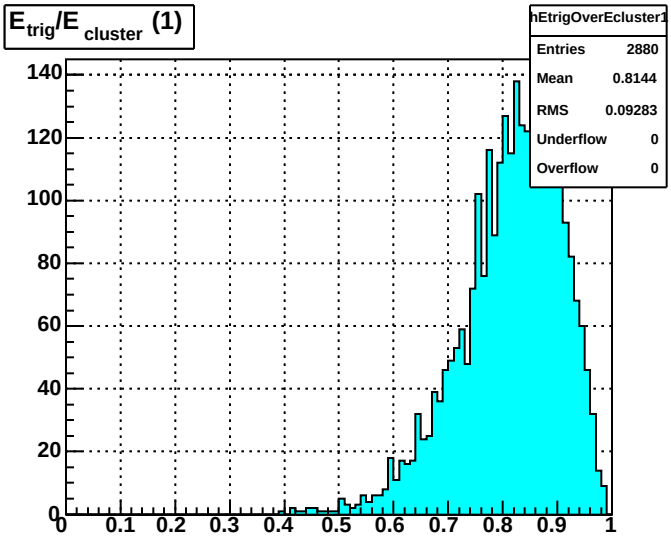

Tower Id2 3201-4800
hTowerId2c
Entries 968
Mean 3998
RMS 463
Underflow 0
Overflow 0
softId

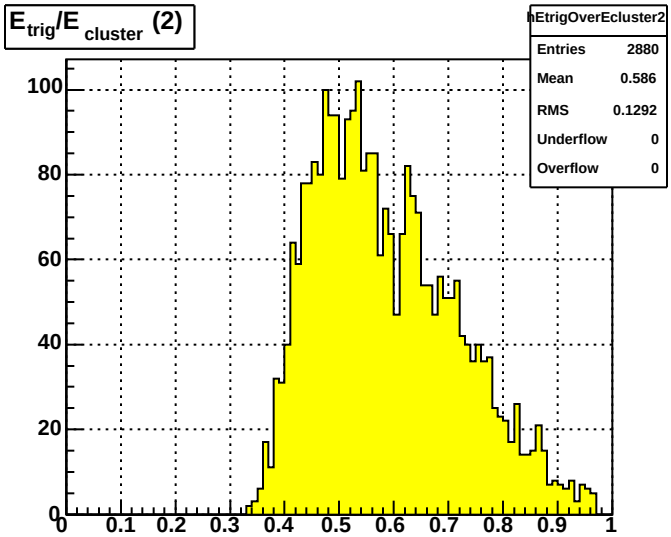

VPD vertex
hVpdVertex
Entries 2880
Mean -13.97
RMS 17.84
Underflow 0
Overflow 0
χ² / ndf 263.2 / 36
Constant 112.9 ± 2.7
Mean -12.64 ± 0.45
Sigma 19.45 ± 0.35
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2880
Mean -3.018
RMS 13.05
Underflow 5
Overflow 22
χ² / ndf 81.62 / 50
Constant 191.3 ± 4.3
Mean -2.283 ± 0.224
Sigma 11.57 ± 0.14
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2880
Mean x -14.05
Mean y 8.243
RMS x 17.73
RMS y 24.82
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2880
Mean x -2.988
Mean y 8.309
RMS x 13
RMS y 24.86
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2880
Mean 0.8144
RMS 0.09283
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2880
Mean 0.586
RMS 0.1292
Underflow 0
Overflow 0