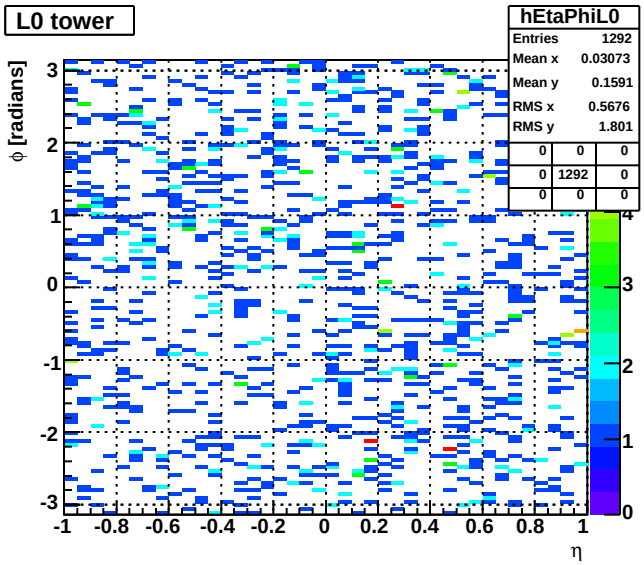
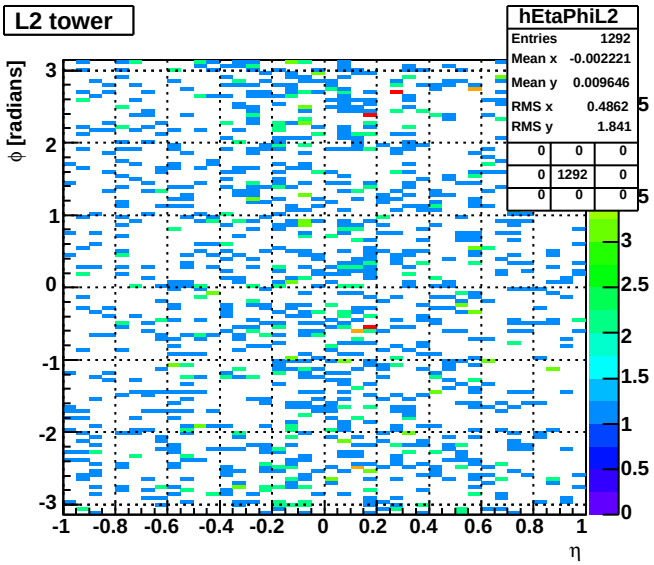
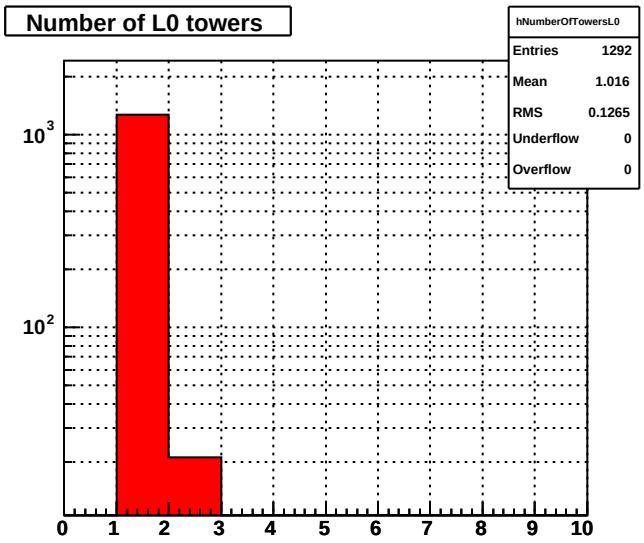
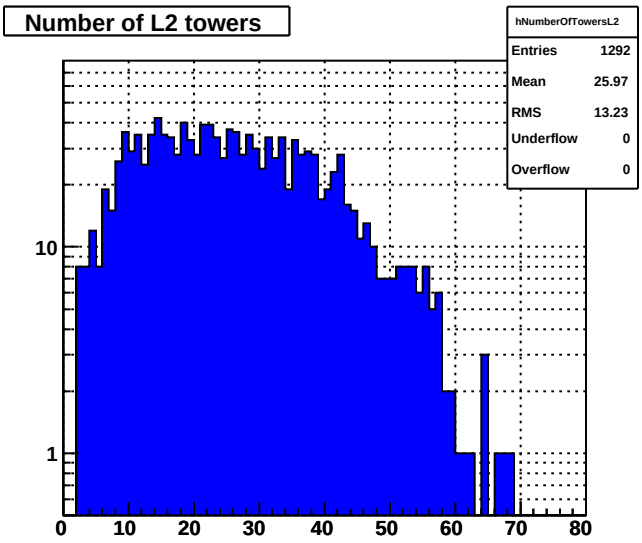
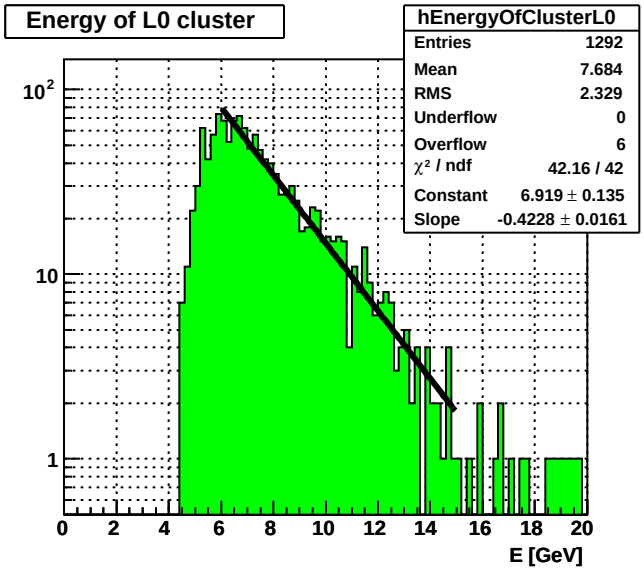
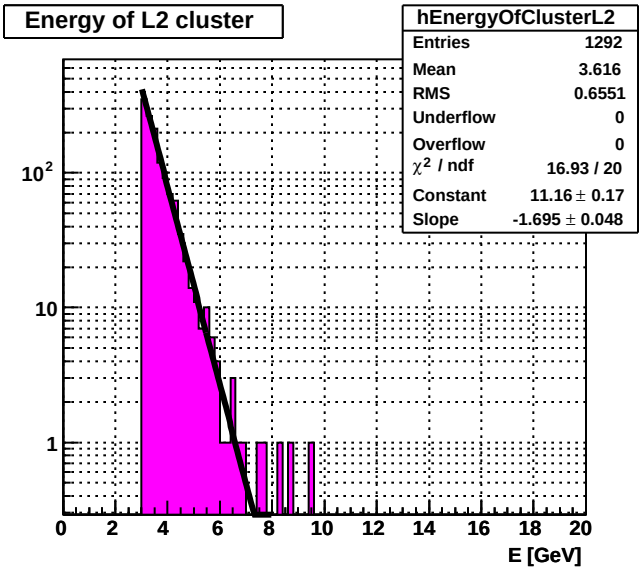

L0 tower
hEtaPhiL0
Entries 1292
Mean x 0.03073
Mean y 0.1591
RMS x 0.5676
RMS y 1.801
φ [radians]
η

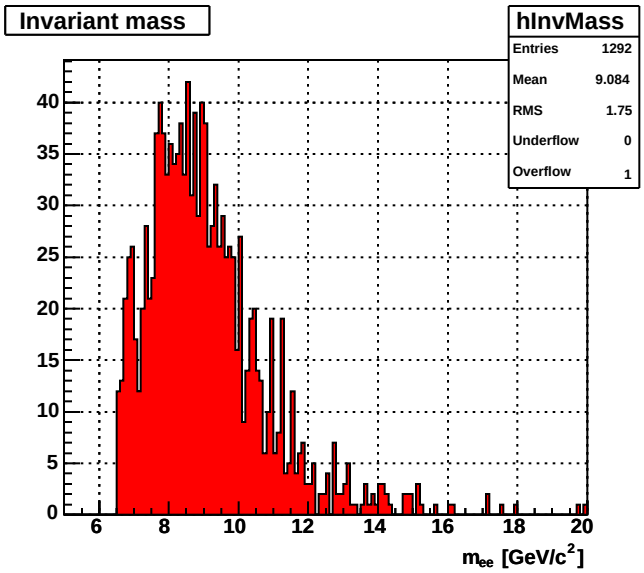

L2 tower
hEtaPhiL2
Entries 1292
Mean x -0.002221
Mean y 0.009646
RMS x 0.4862
RMS y 1.841
φ [radians]
η

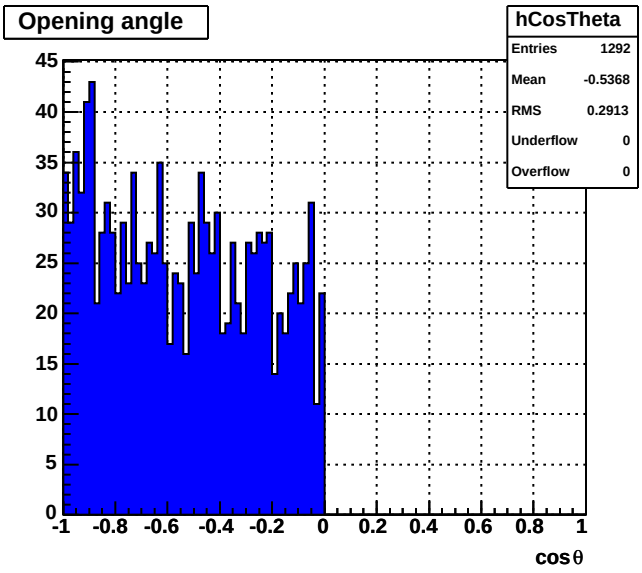

Number of L0 towers
hNumberOfTowersL0
Entries 1292
Mean 1.016
RMS 0.1265
Underflow 0
Overflow 0

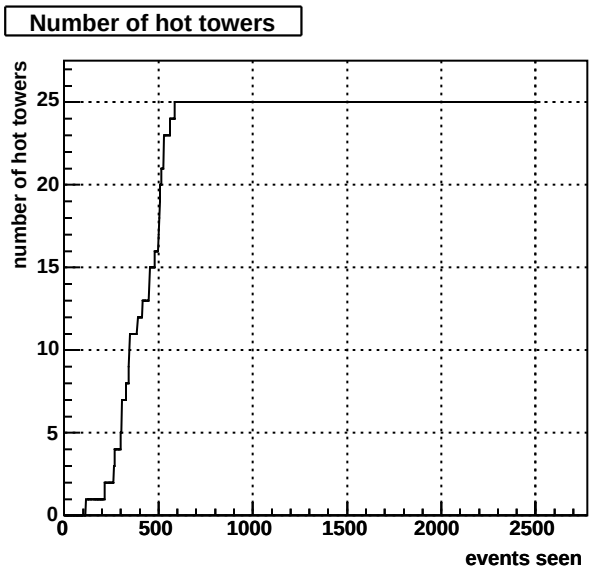

Number of L2 towers
hNumberOfTowersL2
Entries 1292
Mean 25.97
RMS 13.23
Underflow 0
Overflow 0

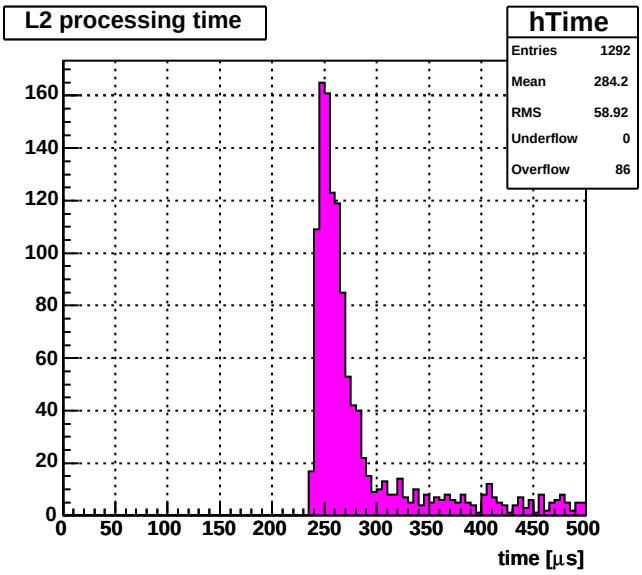

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1292
Mean 7.684
RMS 2.329
Underflow 0
Overflow 6
χ² / ndf 42.16 / 42
Constant 6.919 ± 0.135
Slope -0.4228 ± 0.0161
E [GeV]

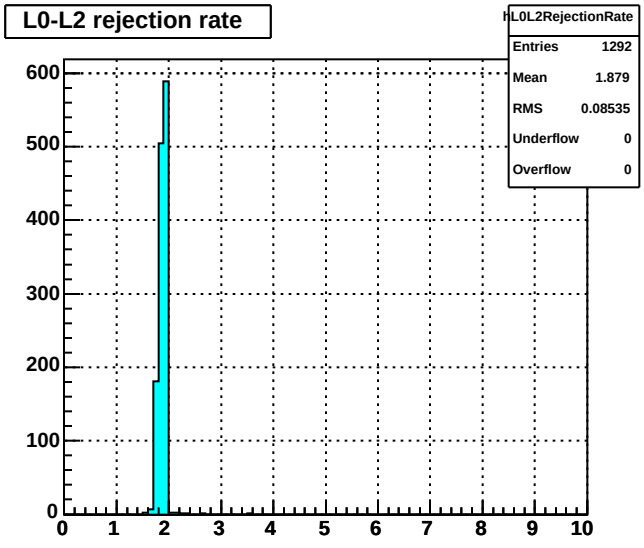

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1292
Mean 3.616
RMS 0.6551
Underflow 0
Overflow 0
χ² / ndf 16.93 / 20
Constant 11.16 ± 0.17
Slope -1.695 ± 0.048
E [GeV]

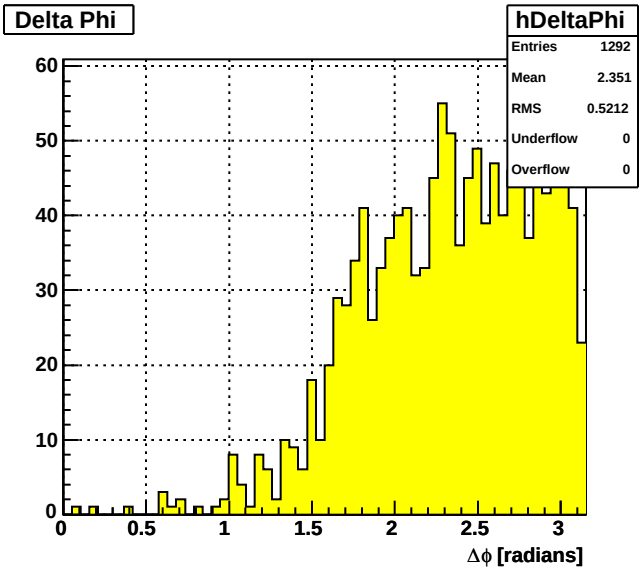

Invariant mass
hInvMass
Entries 1292
Mean 9.084
RMS 1.75
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

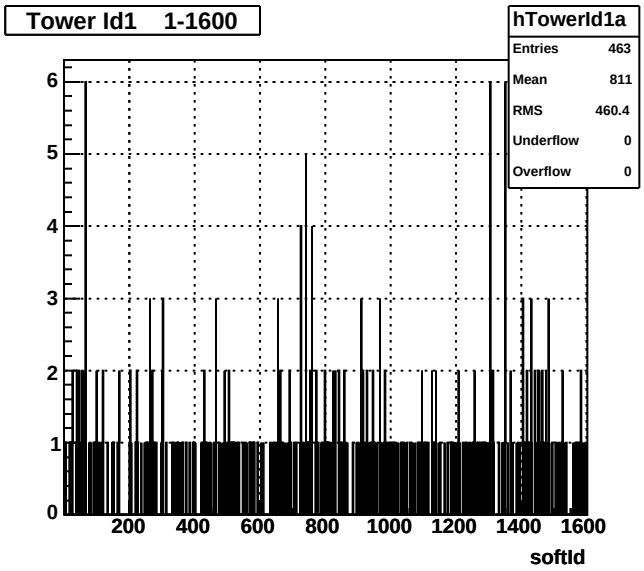

Opening angle
hCosTheta
Entries 1292
Mean -0.5368
RMS 0.2913
Underflow 0
Overflow 0
cos θ

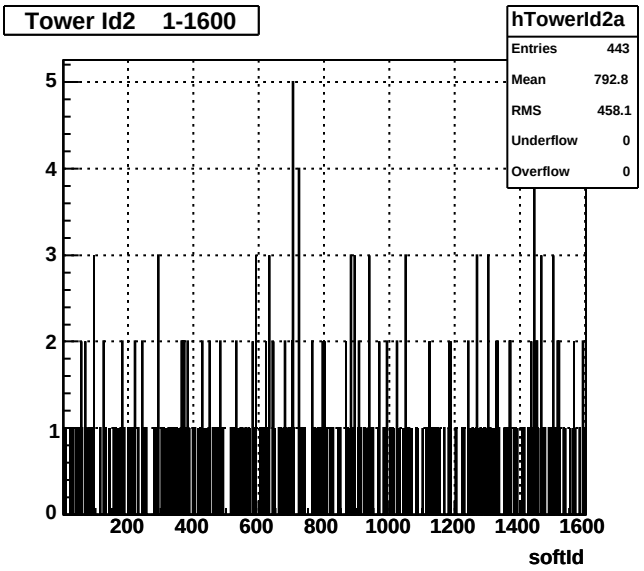

Number of hot towers
number of hot towers
events seen

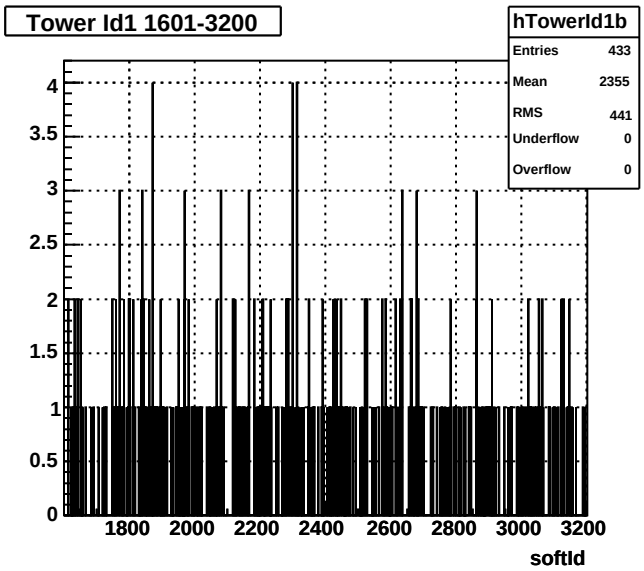

L2 processing time
hTime
Entries 1292
Mean 284.2
RMS 58.92
Underflow 0
Overflow 86
time [μs]

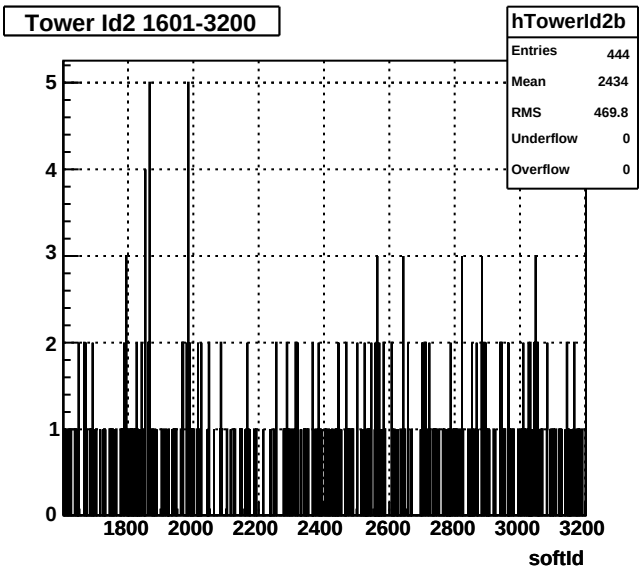

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1292
Mean 1.879
RMS 0.08535
Underflow 0
Overflow 0

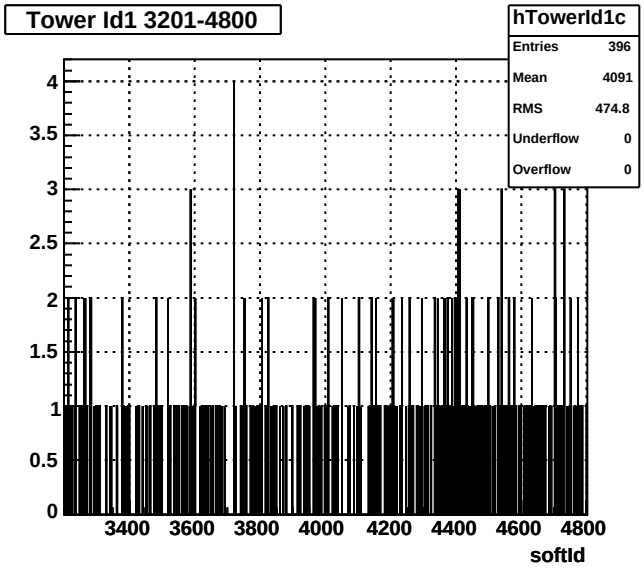

Delta Phi
hDeltaPhi
Entries 1292
Mean 2.351
RMS 0.5212
Underflow 0
Overflow 0
Δφ [radians]

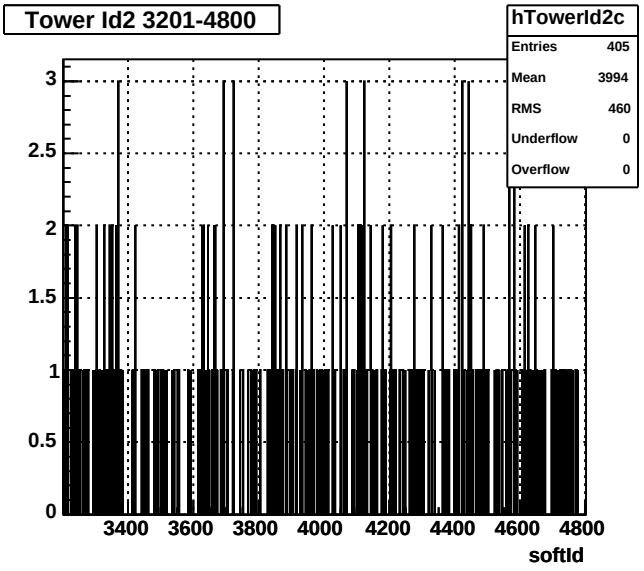

Tower Id1 1-1600
hTowerId1a
Entries 463
Mean 811
RMS 460.4
Underflow 0
Overflow 0
softId

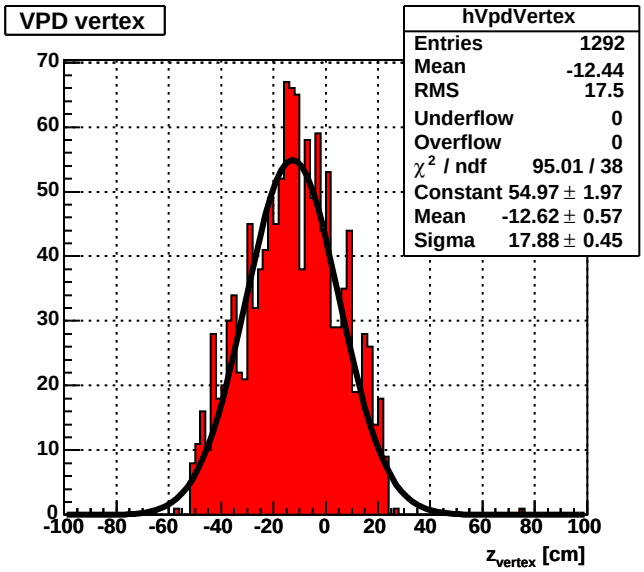

Tower Id2 1-1600
hTowerId2a
Entries 443
Mean 792.8
RMS 458.1
Underflow 0
Overflow 0
softId

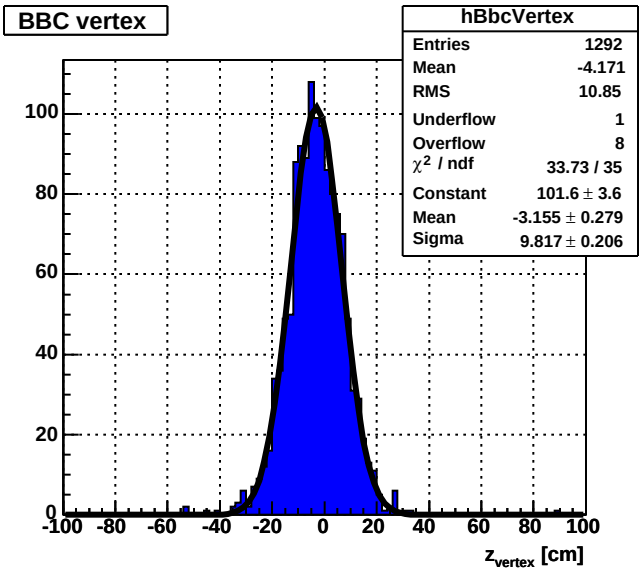

Tower Id1 1601-3200
hTowerId1b
Entries 433
Mean 2355
RMS 441
Underflow 0
Overflow 0
softId

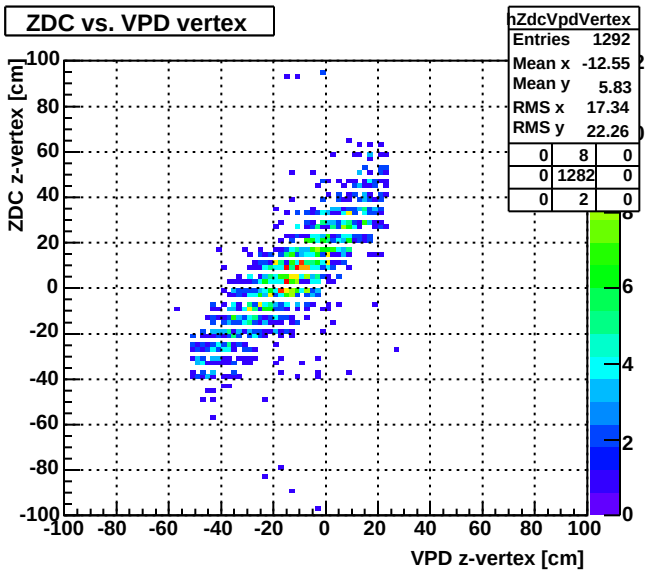

Tower Id2 1601-3200
hTowerId2b
Entries 444
Mean 2434
RMS 469.8
Underflow 0
Overflow 0
softId

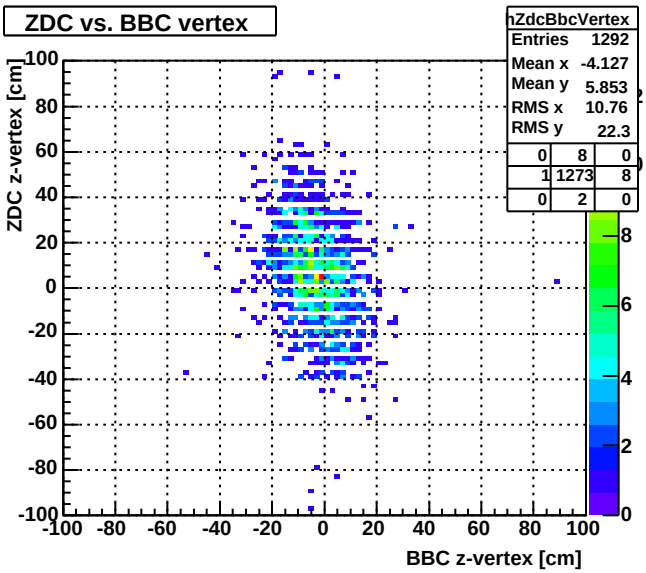

Tower Id1 3201-4800
hTowerId1c
Entries 396
Mean 4091
RMS 474.8
Underflow 0
Overflow 0
softId

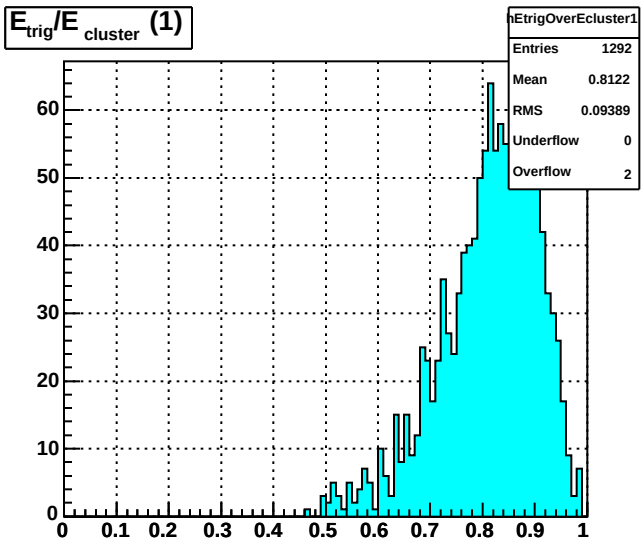

Tower Id2 3201-4800
hTowerId2c
Entries 405
Mean 3994
RMS 460
Underflow 0
Overflow 0
softId

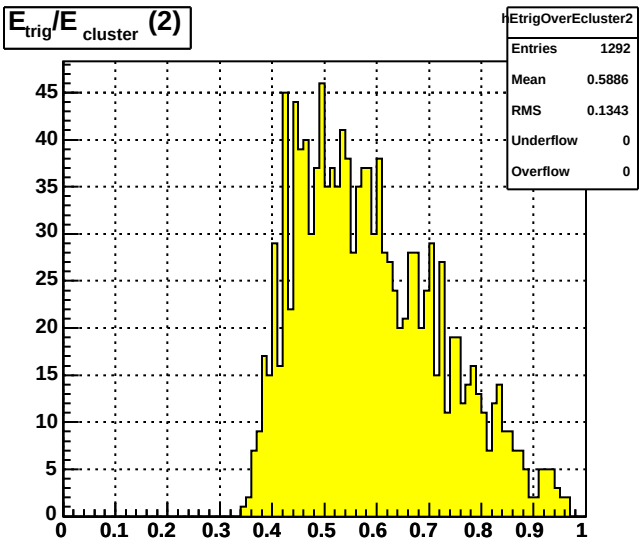

VPD vertex
hVpdVertex
Entries 1292
Mean -12.44
RMS 17.5
Underflow 0
Overflow 0
χ² / ndf 95.01 / 38
Constant 54.97 ± 1.97
Mean -12.62 ± 0.57
Sigma 17.88 ± 0.45
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1292
Mean -4.171
RMS 10.85
Underflow 1
Overflow 8
χ² / ndf 33.73 / 35
Constant 101.6 ± 3.6
Mean -3.155 ± 0.279
Sigma 9.817 ± 0.206
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1292
Mean x -12.55
Mean y 5.83
RMS x 17.34
RMS y 22.26
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1292
Mean x -4.127
Mean y 5.853
RMS x 10.76
RMS y 22.3
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1292
Mean 0.8122
RMS 0.09389
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1292
Mean 0.5886
RMS 0.1343
Underflow 0
Overflow 0