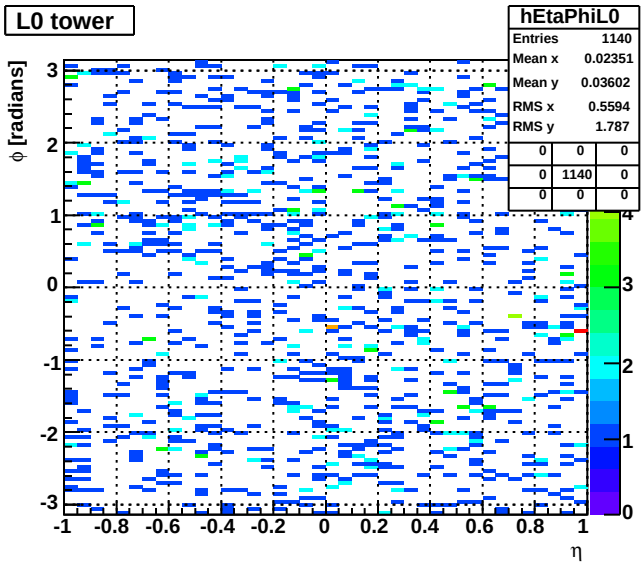
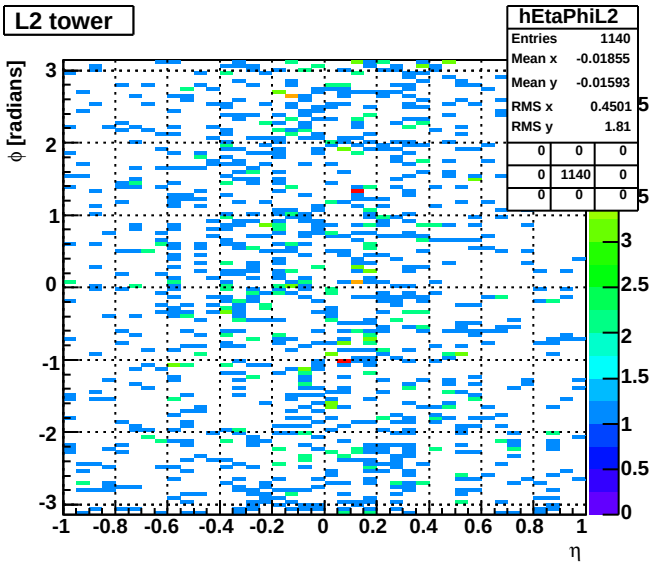
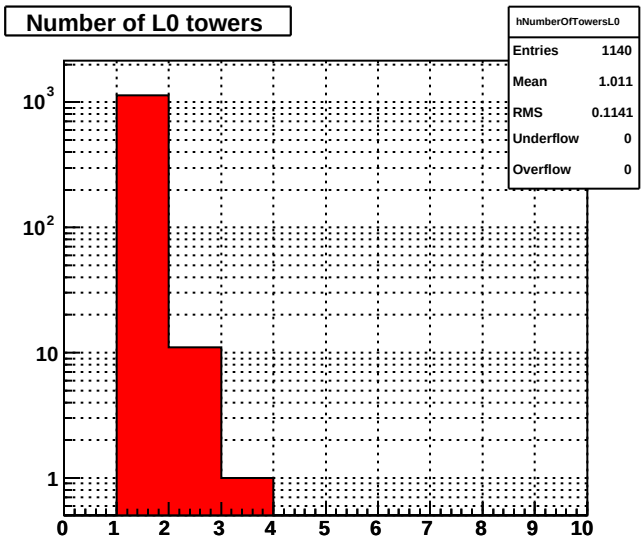
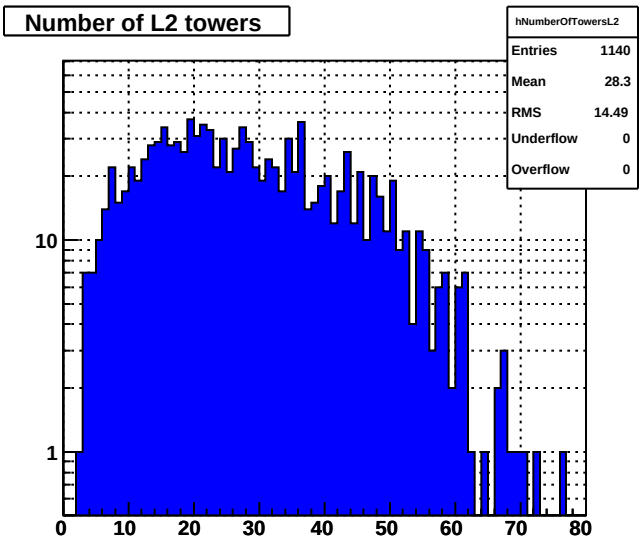
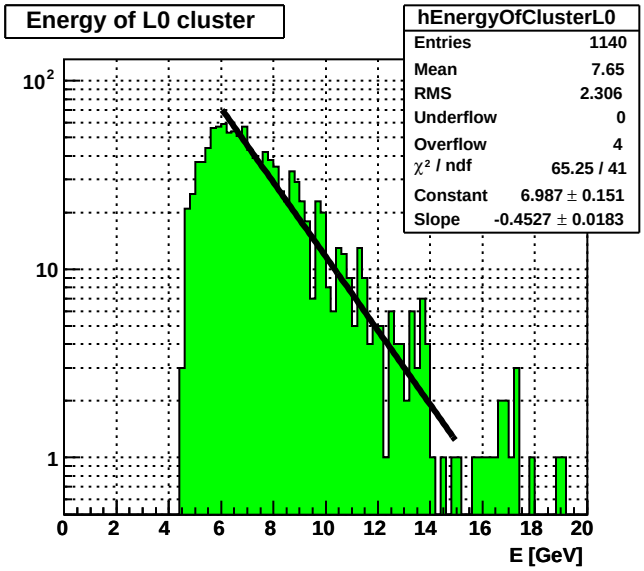
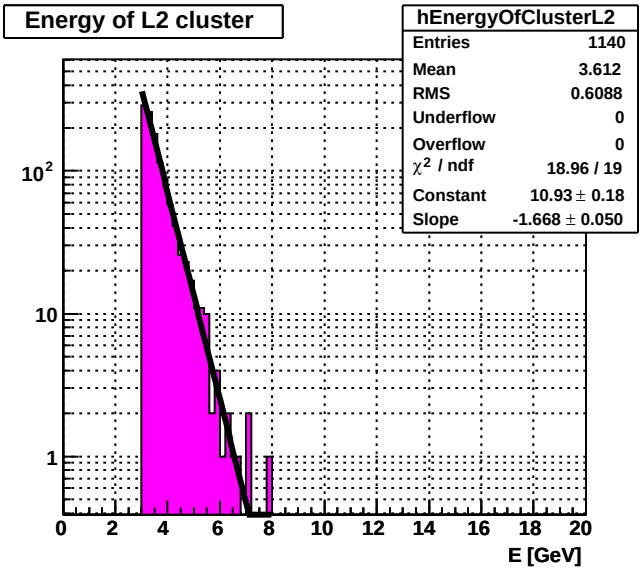

L0 tower
hEtaPhiL0
Entries 1140
Mean x 0.02351
Mean y 0.03602
RMS x 0.5594
RMS y 1.787
φ [radians]
η

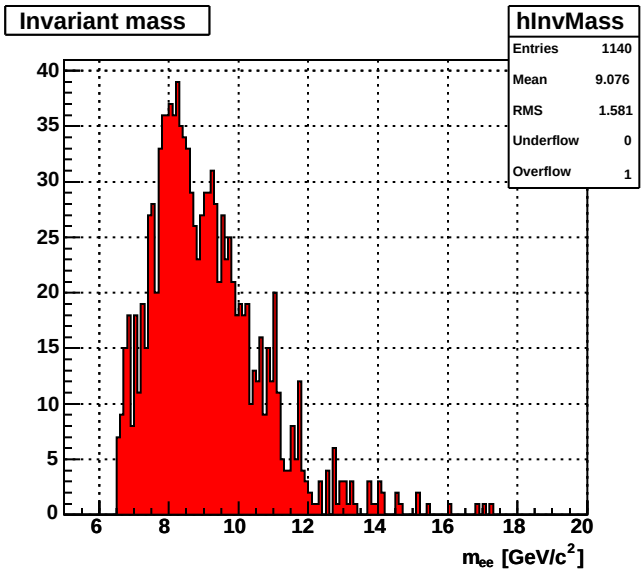

L2 tower
hEtaPhiL2
Entries 1140
Mean x -0.01855
Mean y -0.01593
RMS x 0.4501
RMS y 1.81
φ [radians]
η

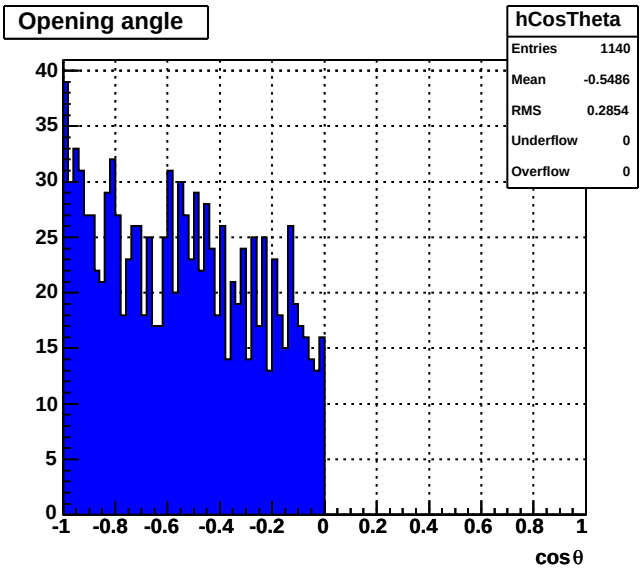

Number of L0 towers
hNumberOfTowersL0
Entries 1140
Mean 1.011
RMS 0.1141
Underflow 0
Overflow 0

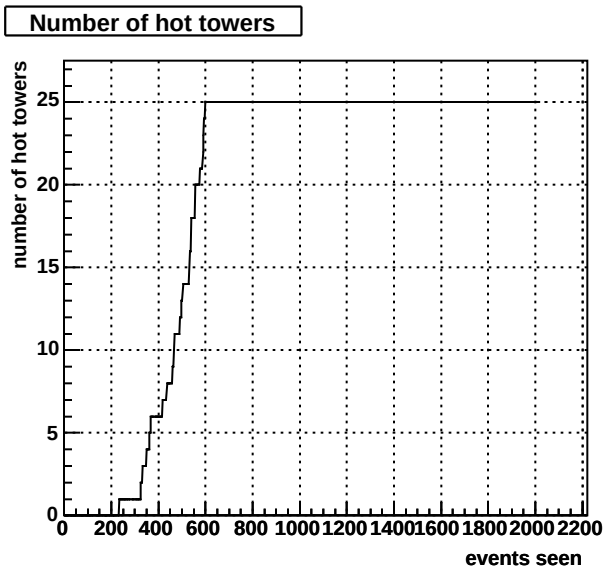

Number of L2 towers
hNumberOfTowersL2
Entries 1140
Mean 28.3
RMS 14.49
Underflow 0
Overflow 0

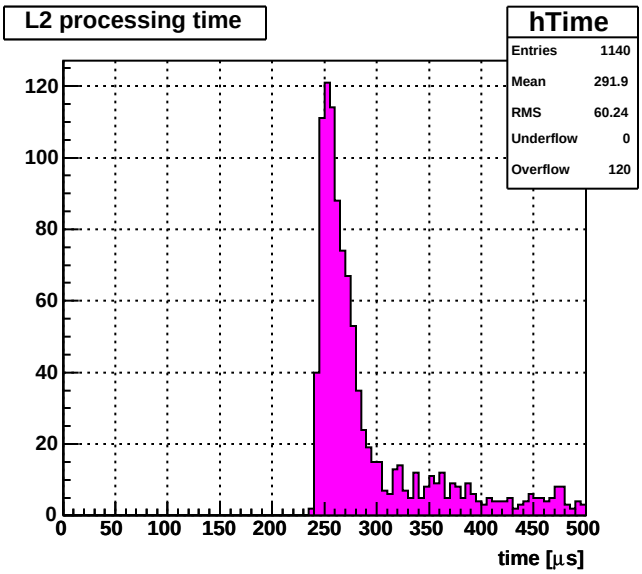

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1140
Mean 7.65
RMS 2.306
Underflow 0
Overflow 4
χ² / ndf 65.25 / 41
Constant 6.987 ± 0.151
Slope -0.4527 ± 0.0183
E [GeV]

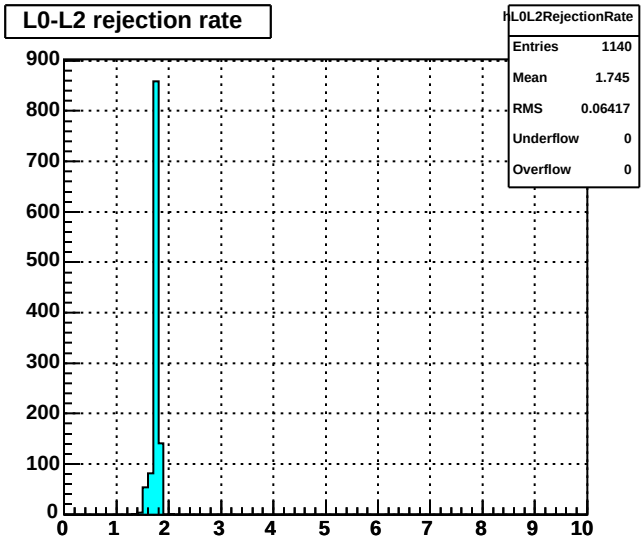

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1140
Mean 3.612
RMS 0.6088
Underflow 0
Overflow 0
χ² / ndf 18.96 / 19
Constant 10.93 ± 0.18
Slope -1.668 ± 0.050
E [GeV]

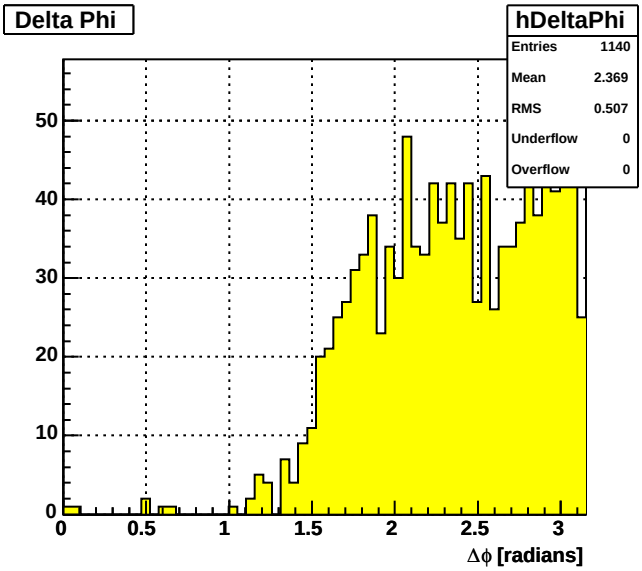

Invariant mass
hInvMass
Entries 1140
Mean 9.076
RMS 1.581
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

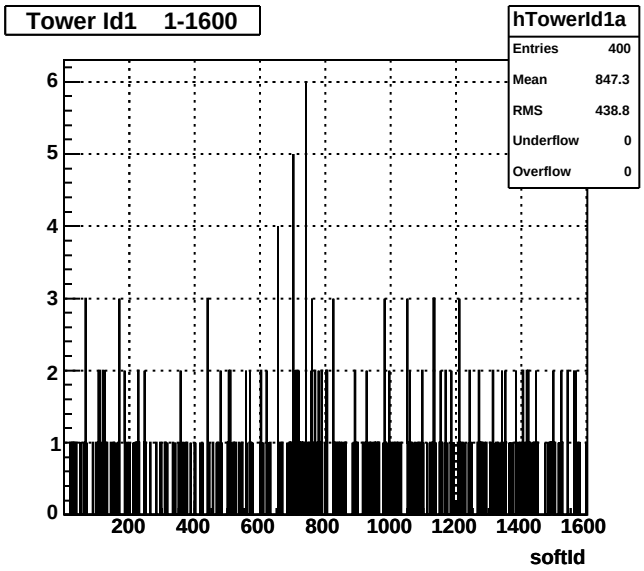

Opening angle
hCosTheta
Entries 1140
Mean -0.5486
RMS 0.2854
Underflow 0
Overflow 0
cos θ

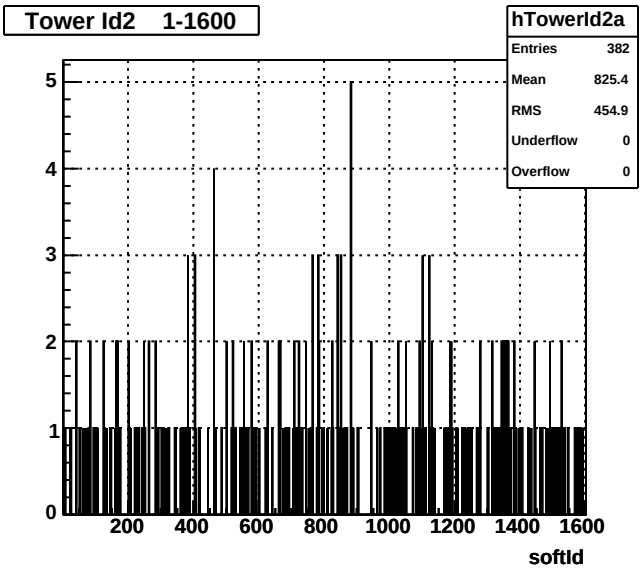

Number of hot towers
number of hot towers
events seen

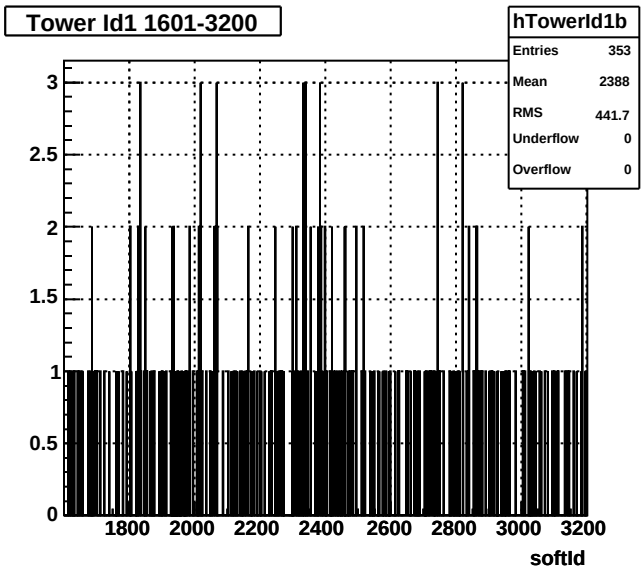

L2 processing time
hTime
Entries 1140
Mean 291.9
RMS 60.24
Underflow 0
Overflow 120
time [μs]

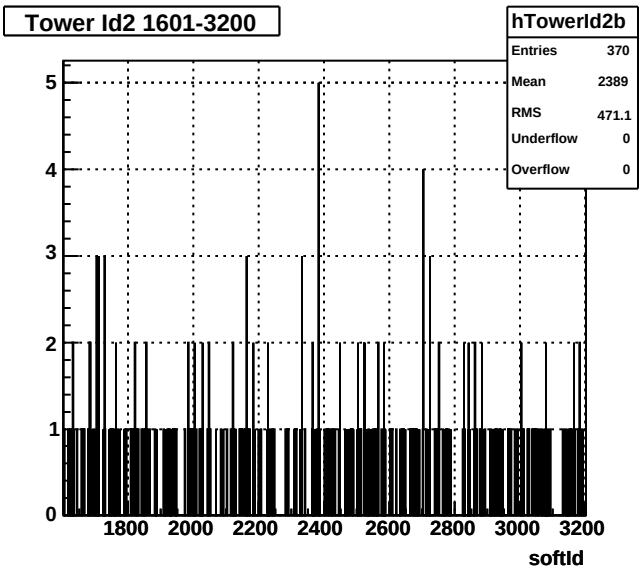

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1140
Mean 1.745
RMS 0.06417
Underflow 0
Overflow 0

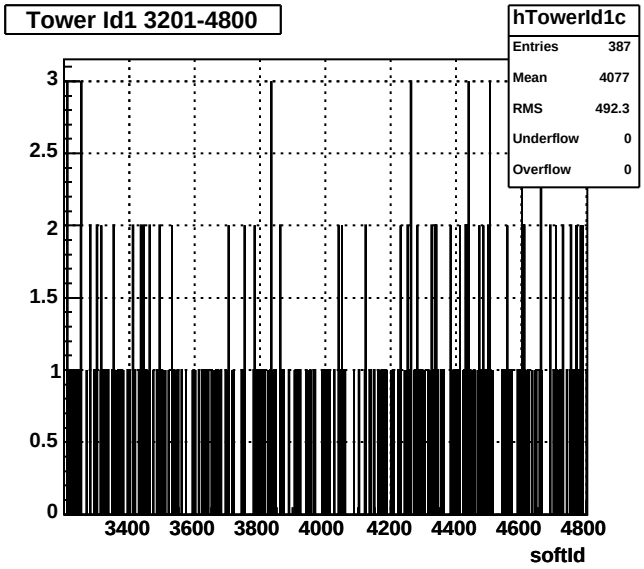

Delta Phi
hDeltaPhi
Entries 1140
Mean 2.369
RMS 0.507
Underflow 0
Overflow 0
Δφ [radians]

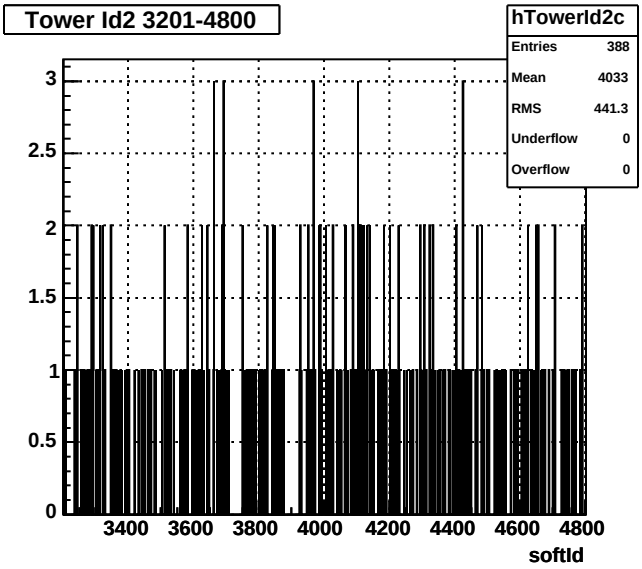

Tower Id1 1-1600
hTowerId1a
Entries 400
Mean 847.3
RMS 438.8
Underflow 0
Overflow 0
softId

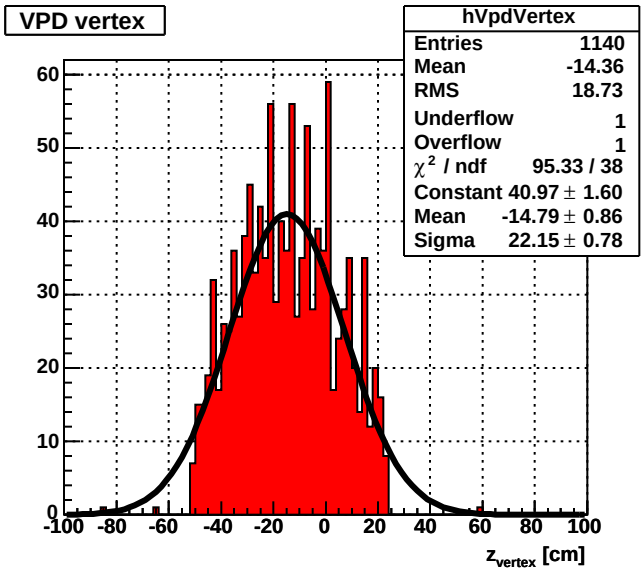

Tower Id2 1-1600
hTowerId2a
Entries 382
Mean 825.4
RMS 454.9
Underflow 0
Overflow 0
softId

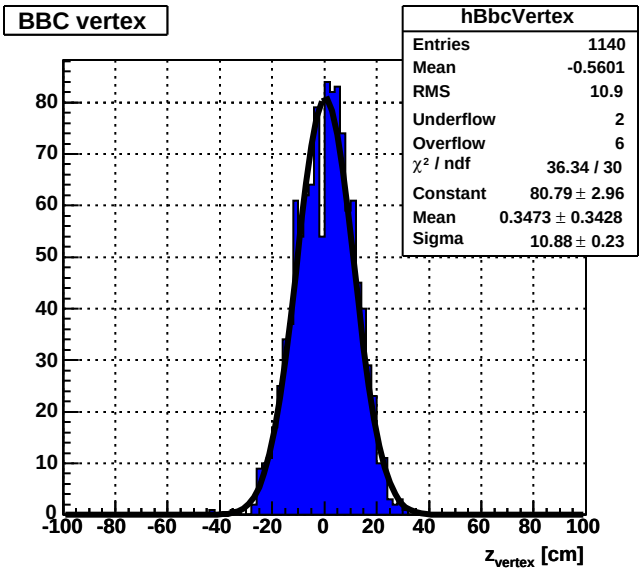

Tower Id1 1601-3200
hTowerId1b
Entries 353
Mean 2388
RMS 441.7
Underflow 0
Overflow 0
softId

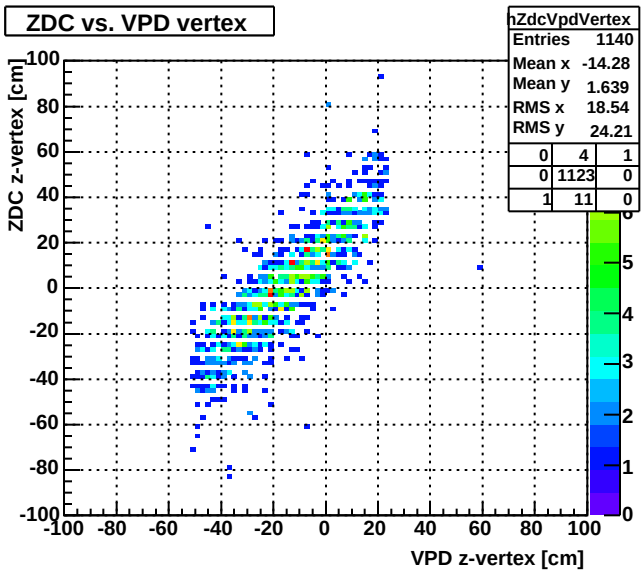

Tower Id2 1601-3200
hTowerId2b
Entries 370
Mean 2389
RMS 471.1
Underflow 0
Overflow 0
softId

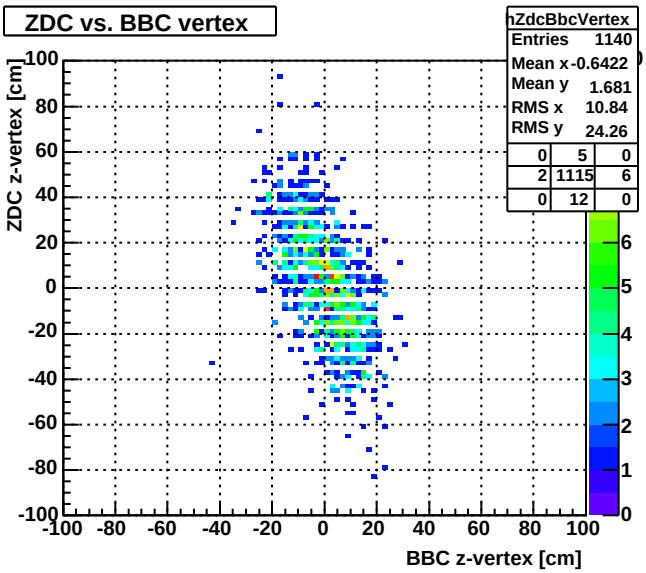

Tower Id1 3201-4800
hTowerId1c
Entries 387
Mean 4077
RMS 492.3
Underflow 0
Overflow 0
softId

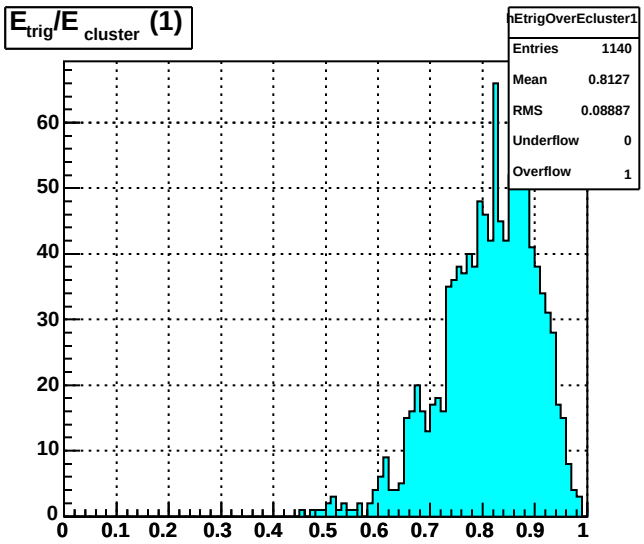

Tower Id2 3201-4800
hTowerId2c
Entries 388
Mean 4033
RMS 441.3
Underflow 0
Overflow 0
softId

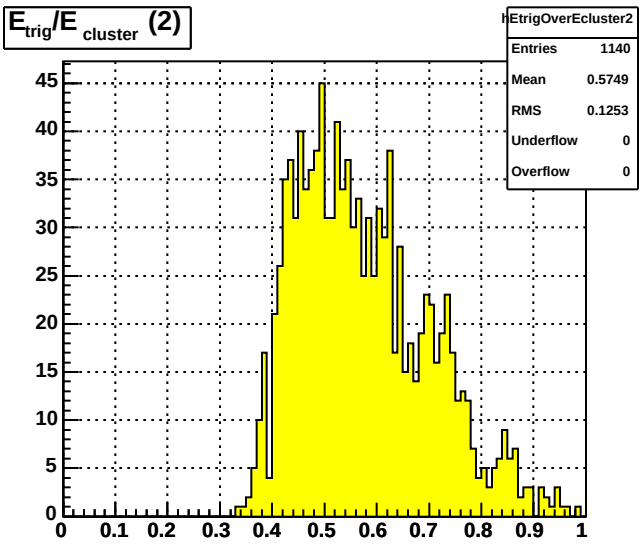

VPD vertex
hVpdVertex
Entries 1140
Mean -14.36
RMS 18.73
Underflow 1
Overflow 1
χ² / ndf 95.33 / 38
Constant 40.97 ± 1.60
Mean -14.79 ± 0.86
Sigma 22.15 ± 0.78
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1140
Mean -0.5601
RMS 10.9
Underflow 2
Overflow 6
χ² / ndf 36.34 / 30
Constant 80.79 ± 2.96
Mean 0.3473 ± 0.3428
Sigma 10.88 ± 0.23
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1140
Mean x -14.28
Mean y 1.639
RMS x 18.54
RMS y 24.21
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1140
Mean x -0.6422
Mean y 1.681
RMS x 10.84
RMS y 24.26
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1140
Mean 0.8127
RMS 0.08887
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1140
Mean 0.5749
RMS 0.1253
Underflow 0
Overflow 0