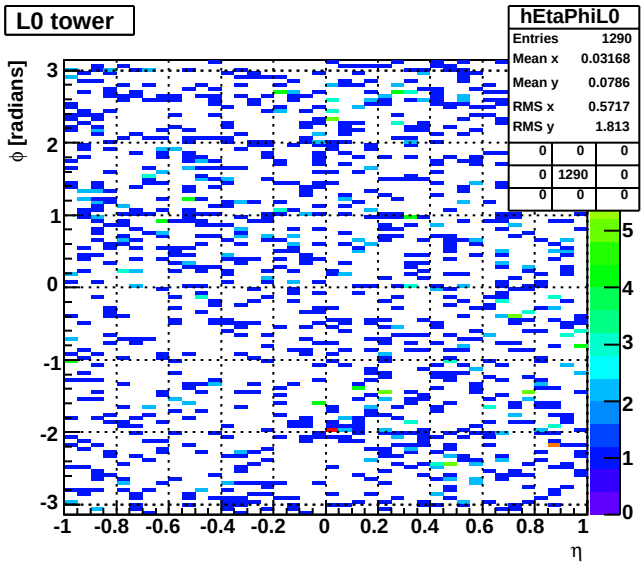
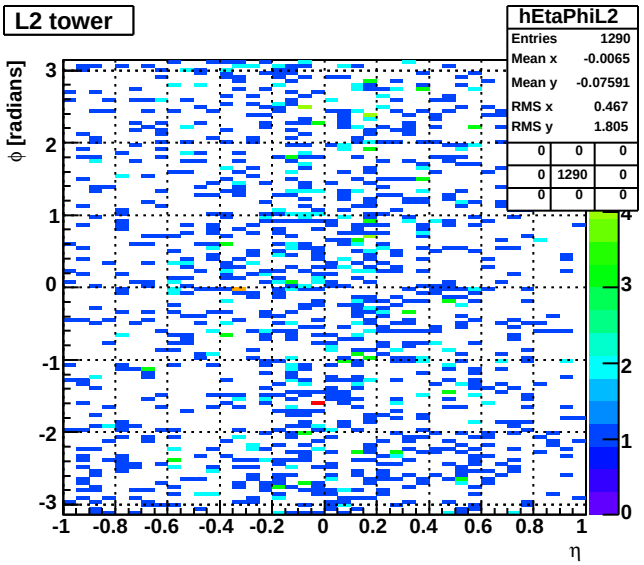
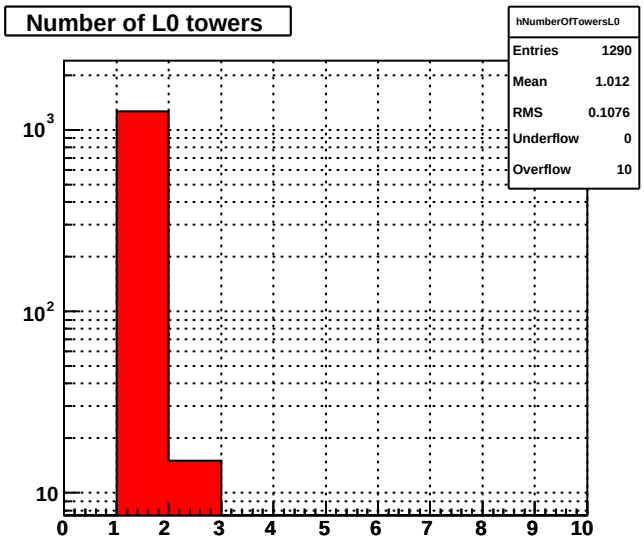
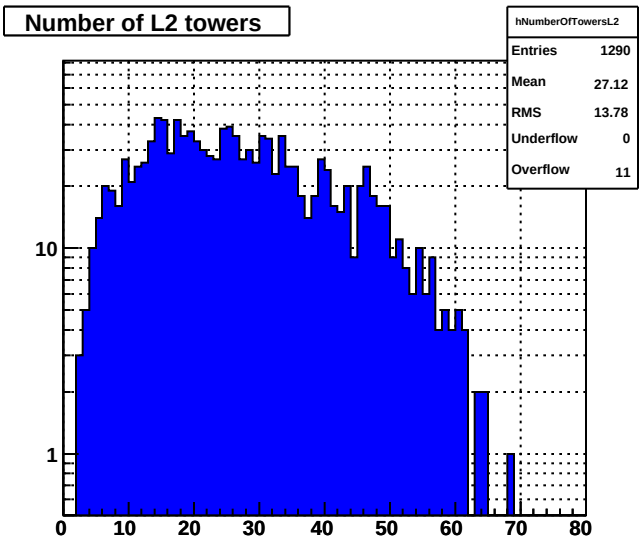
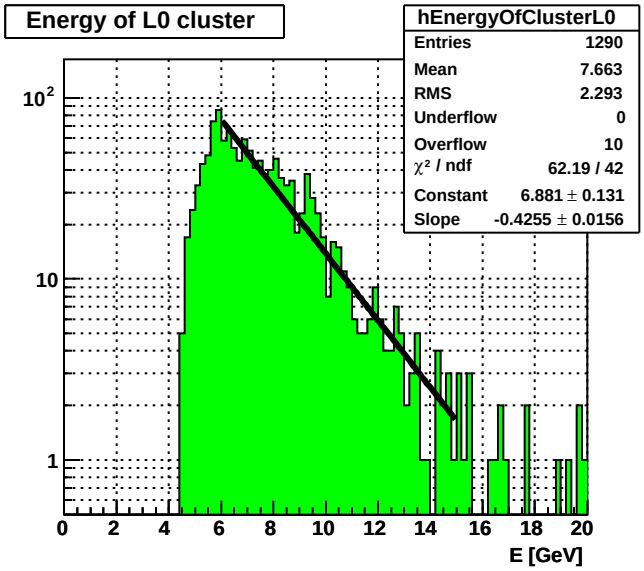
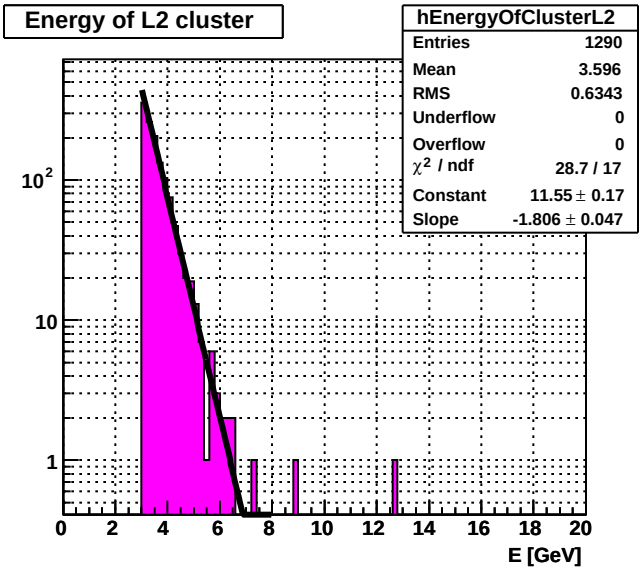

L0 tower
hEtaPhiL0
Entries 1290
Mean x 0.03168
Mean y 0.0786
RMS x 0.5717
RMS y 1.813
φ [radians]
η

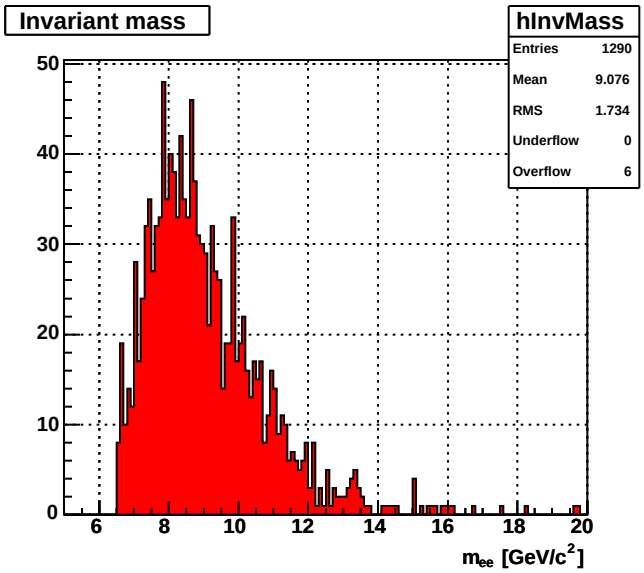

L2 tower
hEtaPhiL2
Entries 1290
Mean x -0.0065
Mean y -0.07591
RMS x 0.467
RMS y 1.805
φ [radians]
η

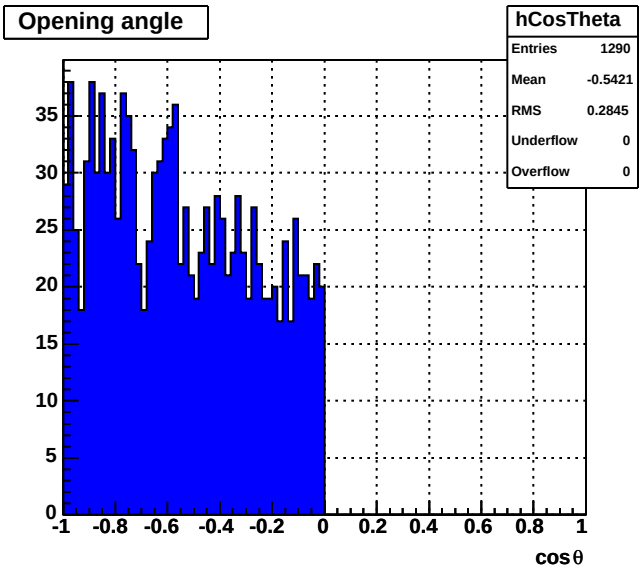

Number of L0 towers
hNumberOfTowersL0
Entries 1290
Mean 1.012
RMS 0.1076
Underflow 0
Overflow 10

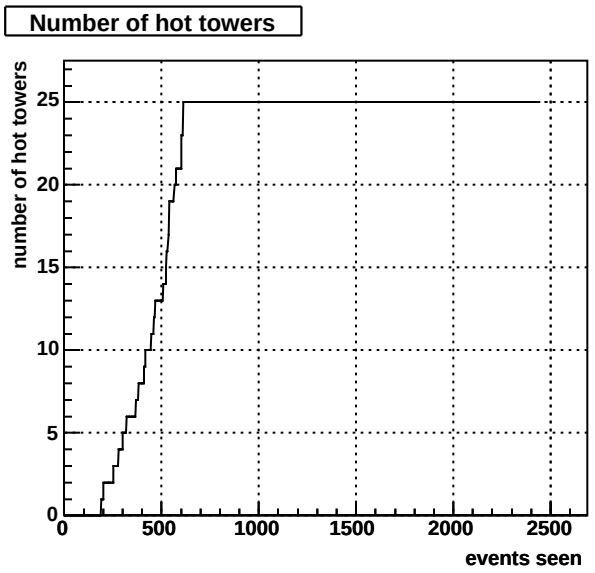

Number of L2 towers
hNumberOfTowersL2
Entries 1290
Mean 27.12
RMS 13.78
Underflow 0
Overflow 11

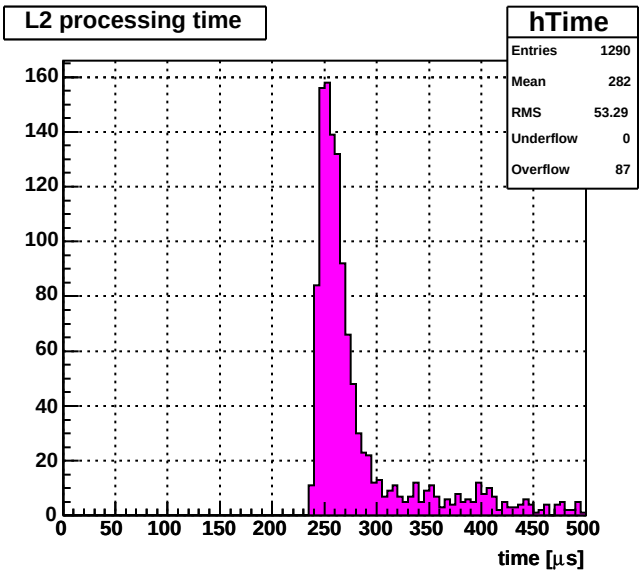

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1290
Mean 7.663
RMS 2.293
Underflow 0
Overflow 10
χ² / ndf 62.19 / 42
Constant 6.881 ± 0.131
Slope -0.4255 ± 0.0156
E [GeV]

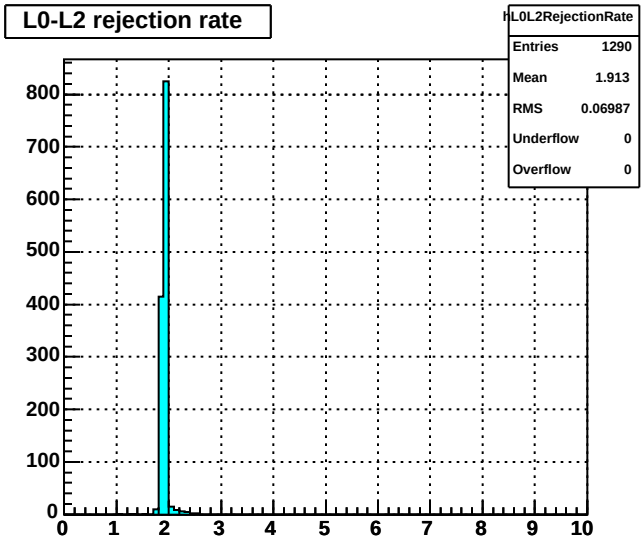

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1290
Mean 3.596
RMS 0.6343
Underflow 0
Overflow 0
χ² / ndf 28.7 / 17
Constant 11.55 ± 0.17
Slope -1.806 ± 0.047
E [GeV]

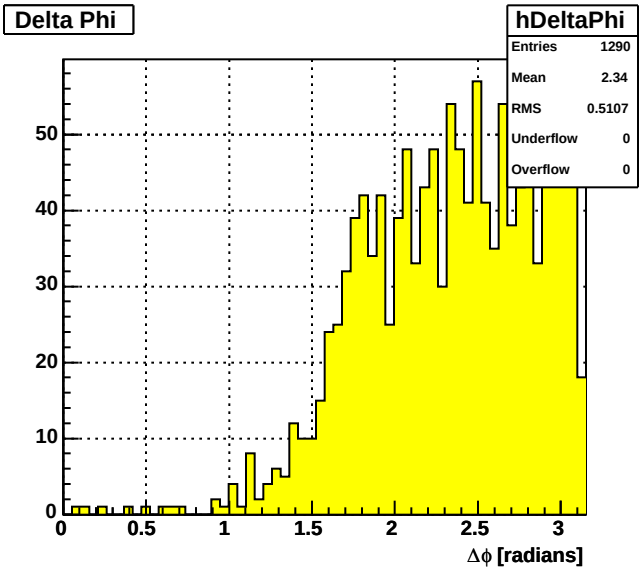

Invariant mass
hInvMass
Entries 1290
Mean 9.076
RMS 1.734
Underflow 0
Overflow 6
m_{ee} [GeV/c^2]

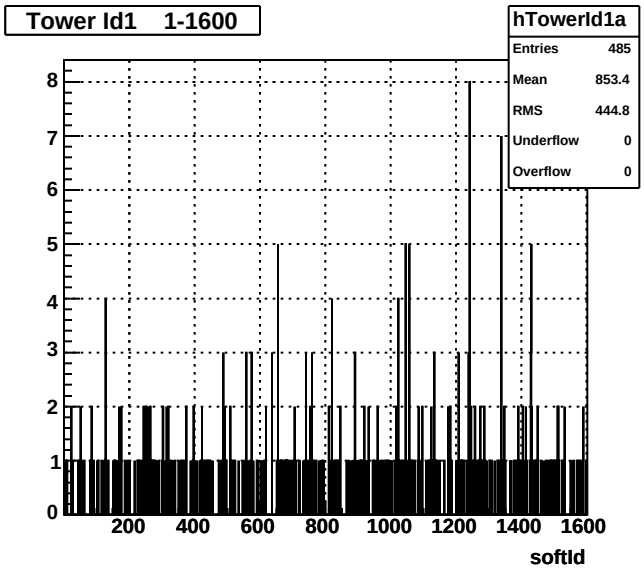

Opening angle
hCosTheta
Entries 1290
Mean -0.5421
RMS 0.2845
Underflow 0
Overflow 0
cos θ

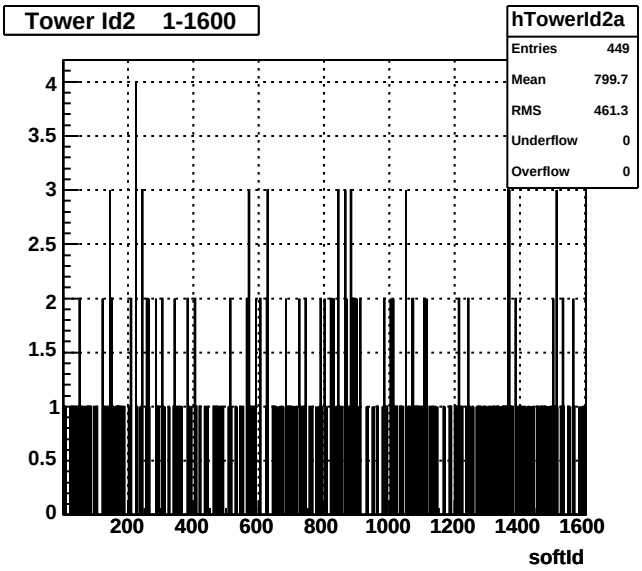

Number of hot towers
number of hot towers
events seen

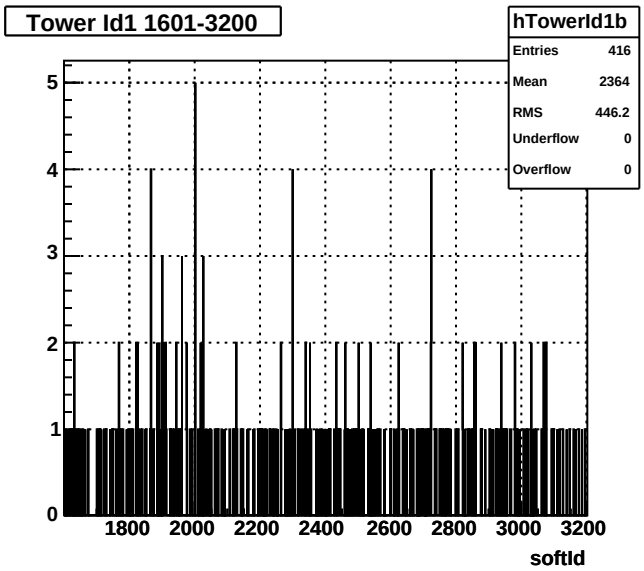

L2 processing time
hTime
Entries 1290
Mean 282
RMS 53.29
Underflow 0
Overflow 87
time [μs]

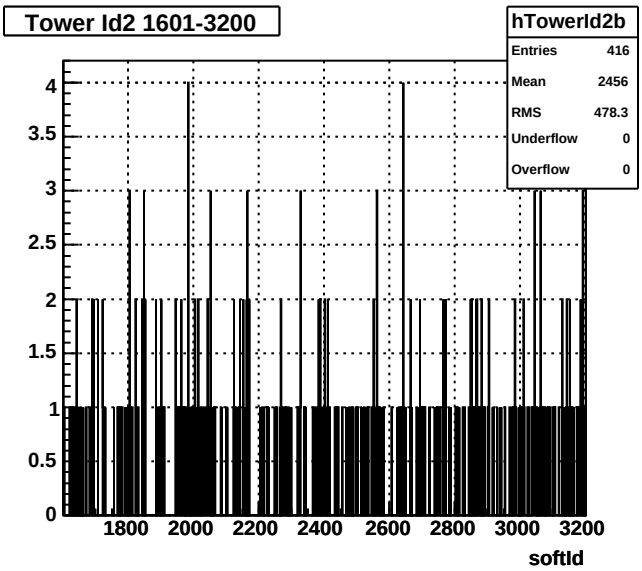

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1290
Mean 1.913
RMS 0.06987
Underflow 0
Overflow 0

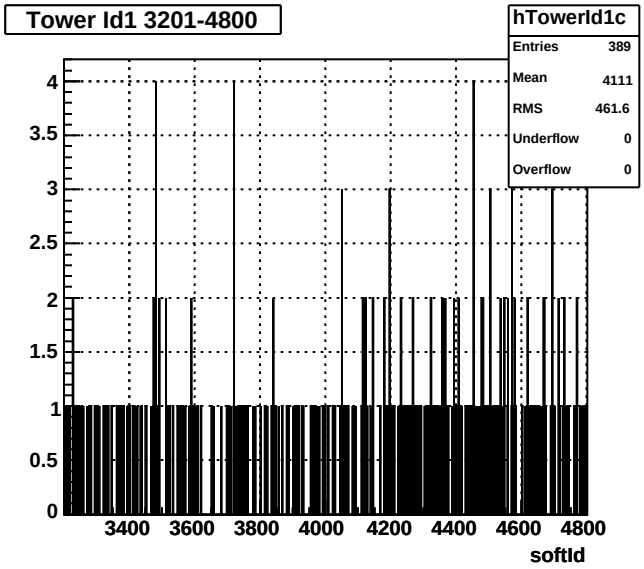

Delta Phi
hDeltaPhi
Entries 1290
Mean 2.34
RMS 0.5107
Underflow 0
Overflow 0
Δφ [radians]

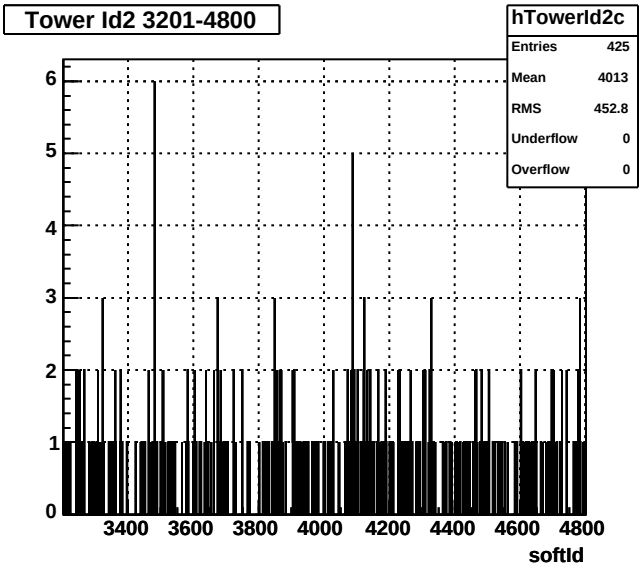

Tower Id1 1-1600
hTowerId1a
Entries 485
Mean 853.4
RMS 444.8
Underflow 0
Overflow 0
softId

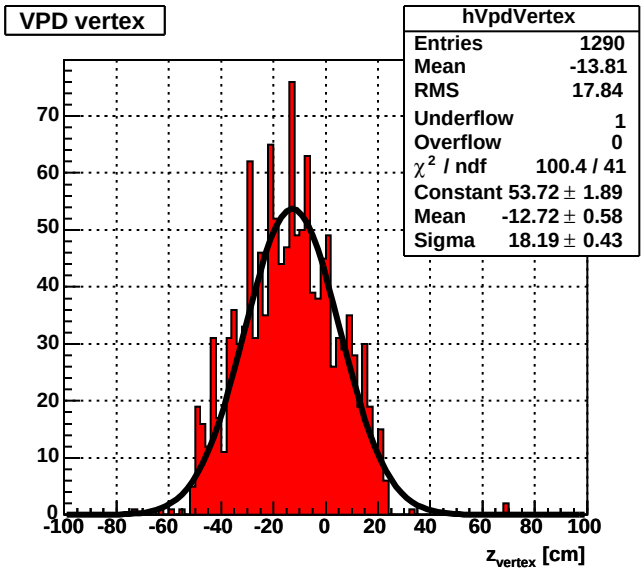

Tower Id2 1-1600
hTowerId2a
Entries 449
Mean 799.7
RMS 461.3
Underflow 0
Overflow 0
softId

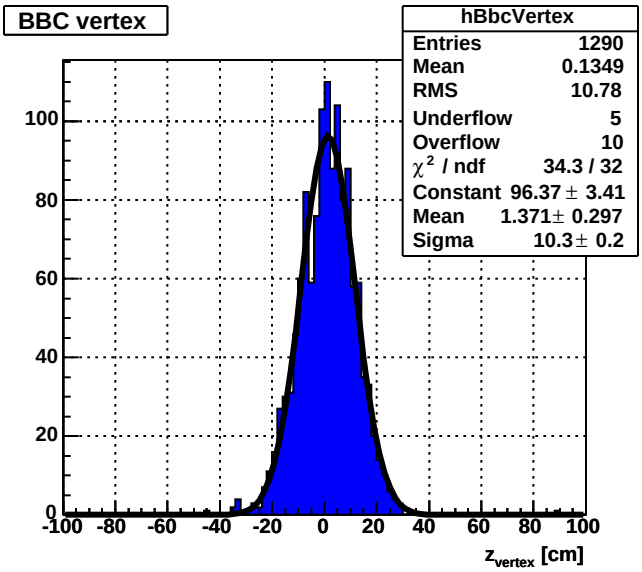

Tower Id1 1601-3200
hTowerId1b
Entries 416
Mean 2364
RMS 446.2
Underflow 0
Overflow 0
softId

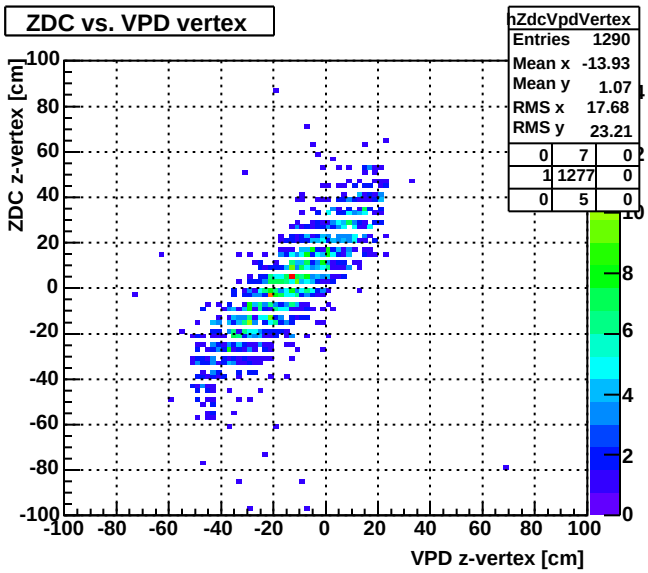

Tower Id2 1601-3200
hTowerId2b
Entries 416
Mean 2456
RMS 478.3
Underflow 0
Overflow 0
softId

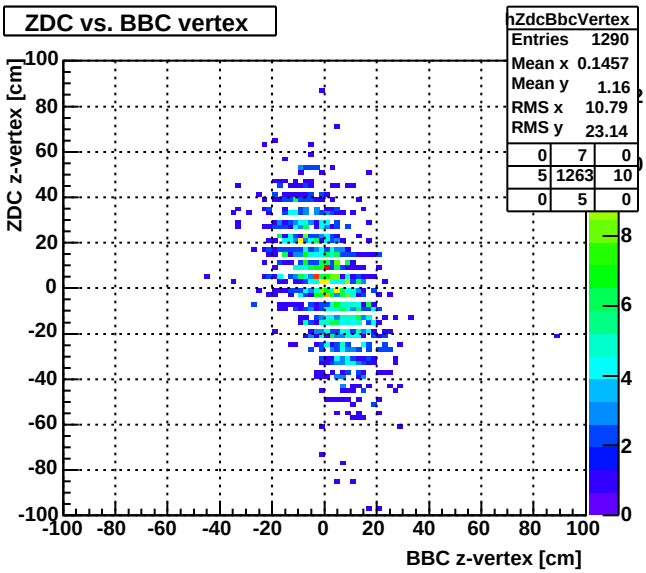

Tower Id1 3201-4800
hTowerId1c
Entries 389
Mean 4111
RMS 461.6
Underflow 0
Overflow 0
softId

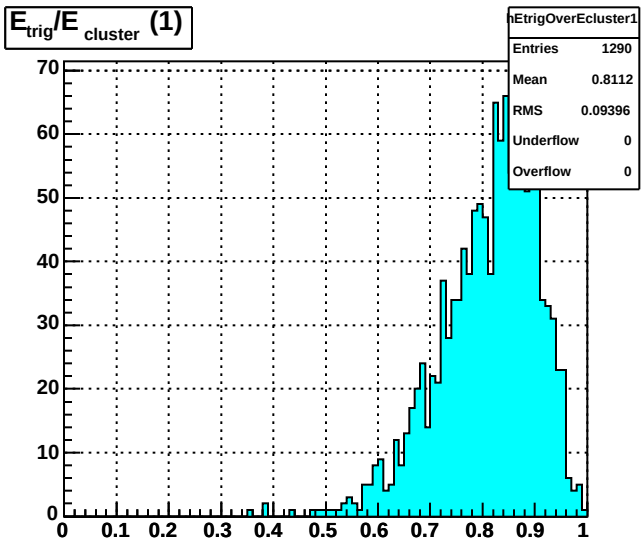

Tower Id2 3201-4800
hTowerId2c
Entries 425
Mean 4013
RMS 452.8
Underflow 0
Overflow 0
softId

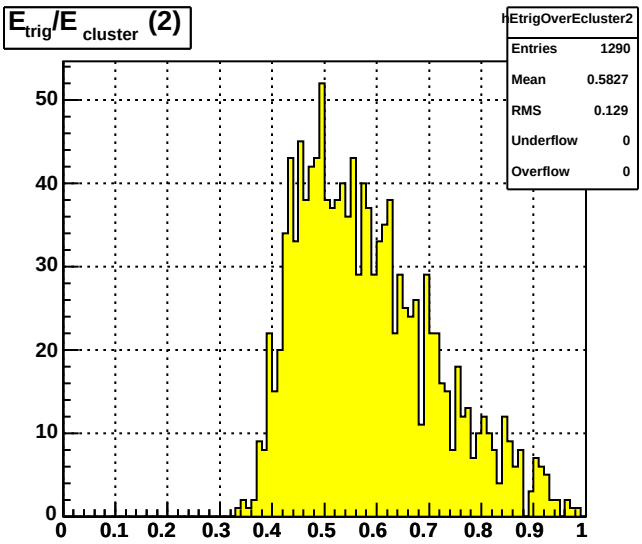

VPD vertex
hVpdVertex
Entries 1290
Mean -13.81
RMS 17.84
Underflow 1
Overflow 0
χ² / ndf 100.4 / 41
Constant 53.72 ± 1.89
Mean -12.72 ± 0.58
Sigma 18.19 ± 0.43
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1290
Mean 0.1349
RMS 10.78
Underflow 5
Overflow 10
χ² / ndf 34.3 / 32
Constant 96.37 ± 3.41
Mean 1.371 ± 0.297
Sigma 10.3 ± 0.2
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1290
Mean x -13.93
Mean y 1.07
RMS x 17.68
RMS y 23.21
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1290
Mean x 0.1457
Mean y 1.16
RMS x 10.79
RMS y 23.14
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1290
Mean 0.8112
RMS 0.09396
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1290
Mean 0.5827
RMS 0.129
Underflow 0
Overflow 0