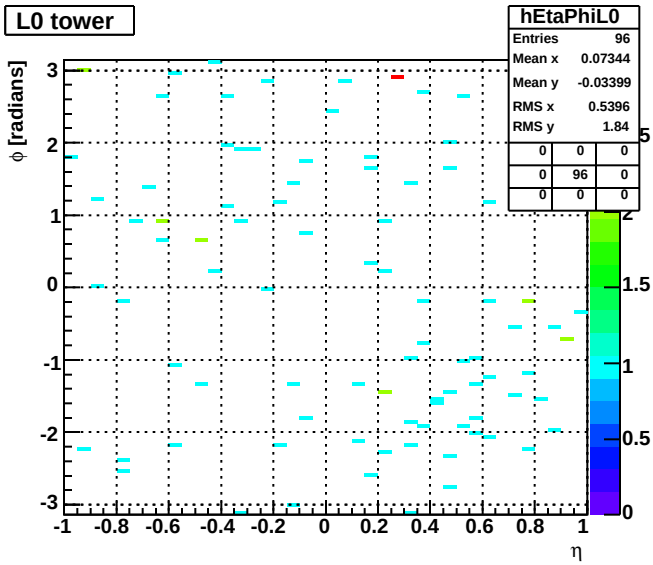
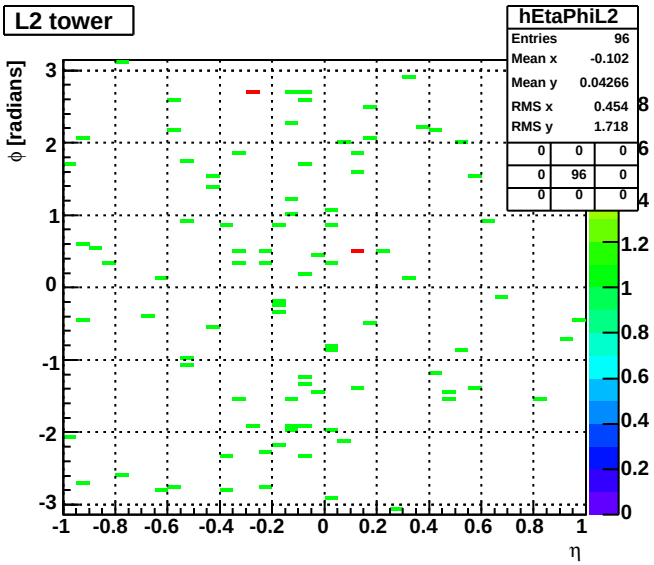
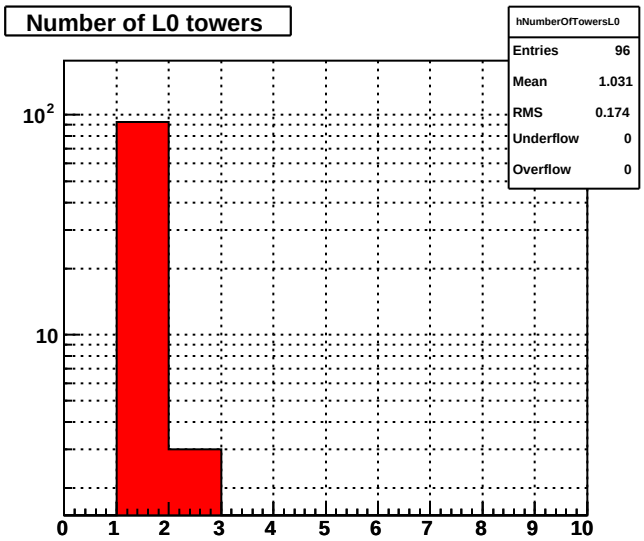
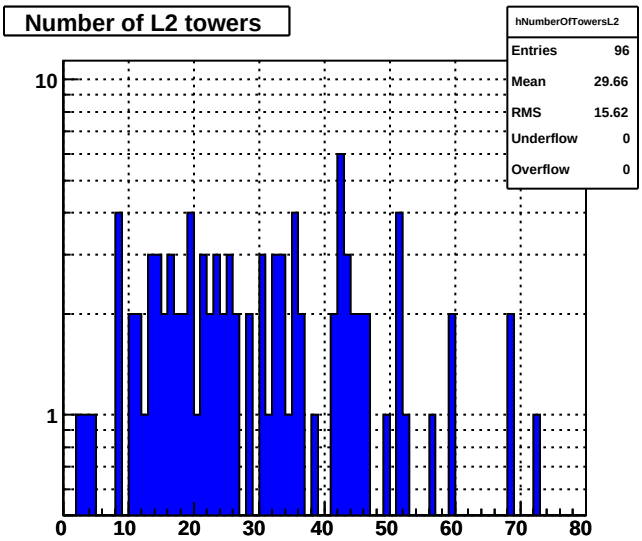
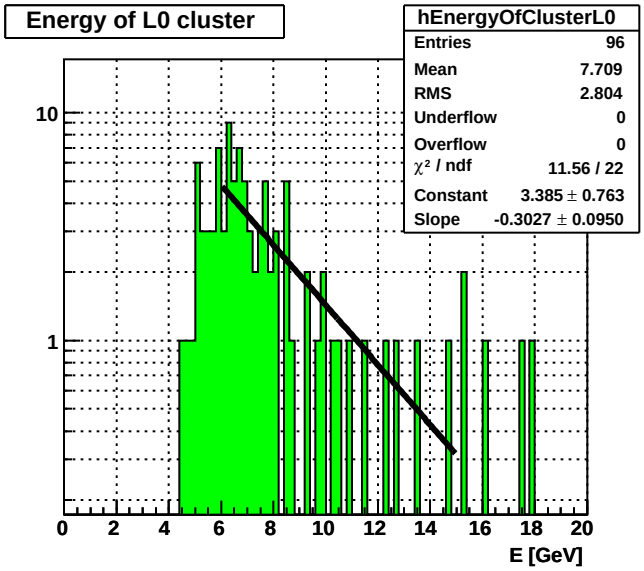
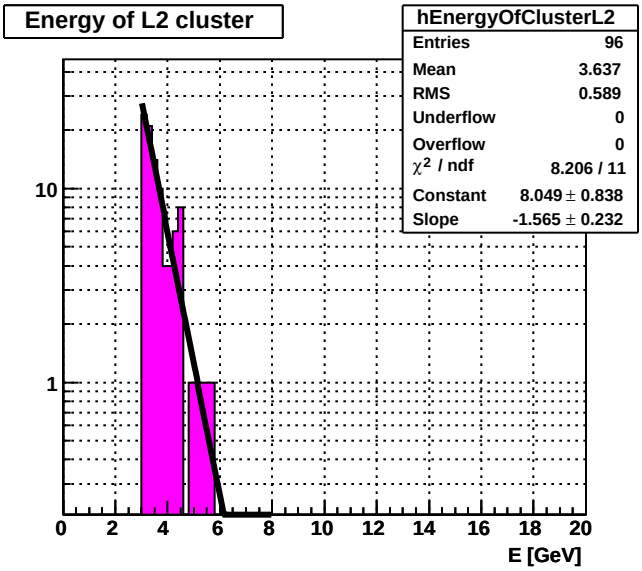

L0 tower
hEtaPhiL0
Entries 96
Mean x 0.07344
Mean y -0.03399
RMS x 0.5396
RMS y 1.84
φ [radians]
η

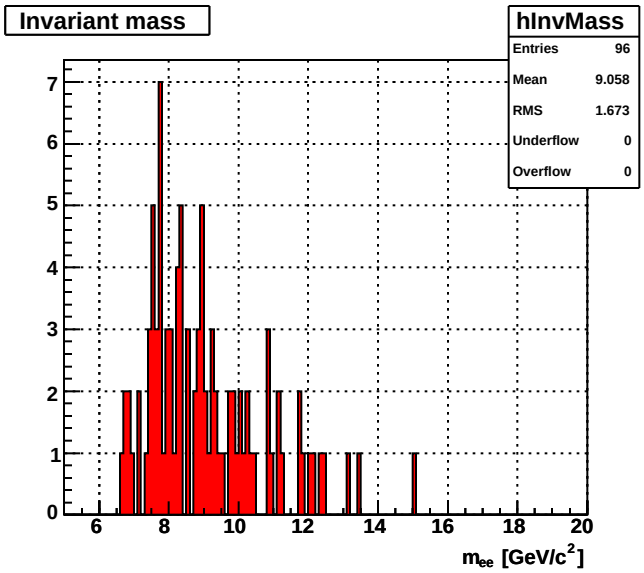

L2 tower
hEtaPhiL2
Entries 96
Mean x -0.102
Mean y 0.04266
RMS x 0.454
RMS y 1.718
φ [radians]
η

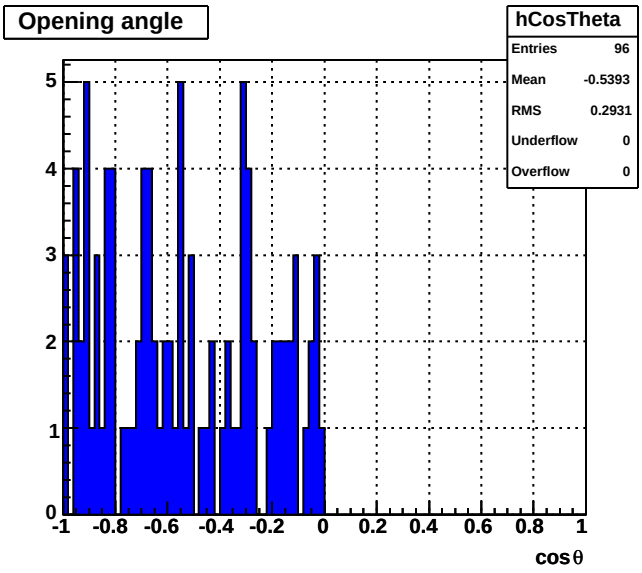

Number of L0 towers
hNumberOfTowersL0
Entries 96
Mean 1.031
RMS 0.174
Underflow 0
Overflow 0

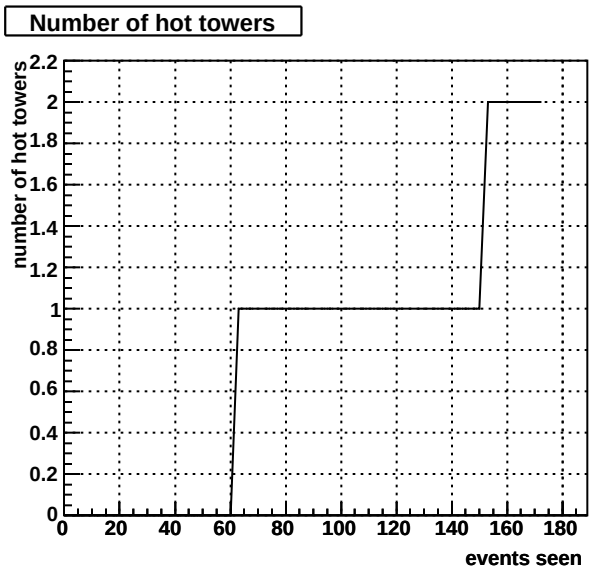

Number of L2 towers
hNumberOfTowersL2
Entries 96
Mean 29.66
RMS 15.62
Underflow 0
Overflow 0

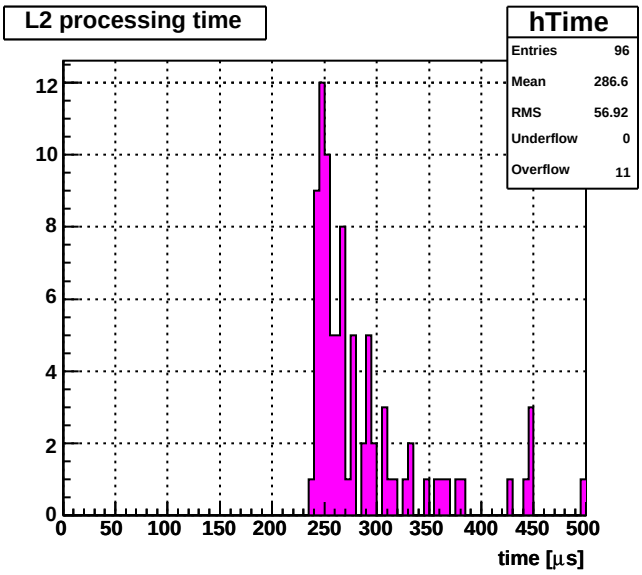

Energy of L0 cluster
hEnergyOfClusterL0
Entries 96
Mean 7.709
RMS 2.804
Underflow 0
Overflow 0
χ² / ndf 11.56 / 22
Constant 3.385 ± 0.763
Slope -0.3027 ± 0.0950
E [GeV]

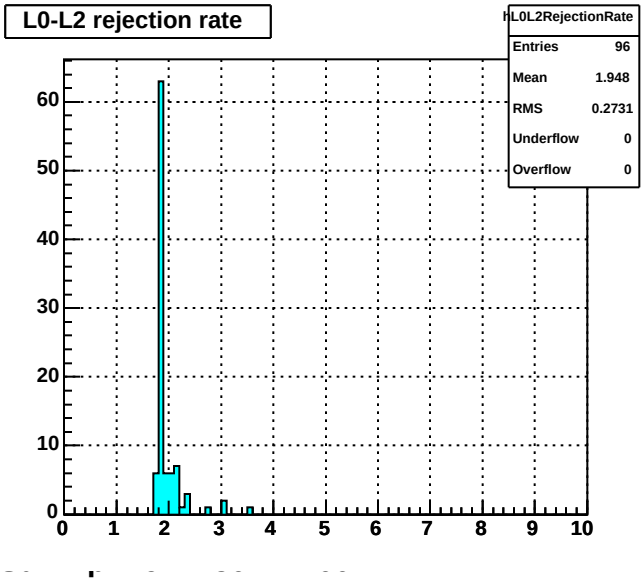

Energy of L2 cluster
hEnergyOfClusterL2
Entries 96
Mean 3.637
RMS 0.589
Underflow 0
Overflow 0
χ² / ndf 8.206 / 11
Constant 8.049 ± 0.838
Slope -1.565 ± 0.232
E [GeV]

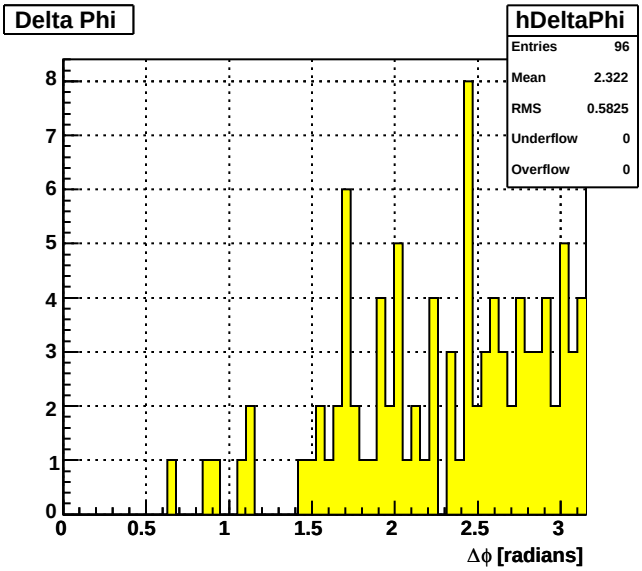

Invariant mass
hInvMass
Entries 96
Mean 9.058
RMS 1.673
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

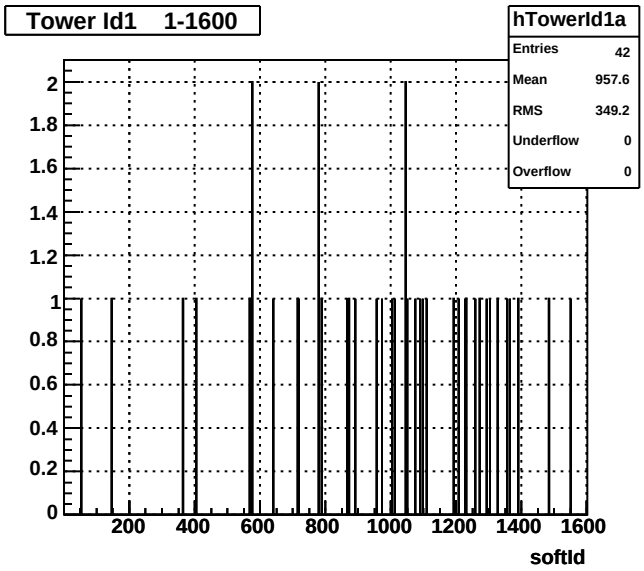

Opening angle
hCosTheta
Entries 96
Mean -0.5393
RMS 0.2931
Underflow 0
Overflow 0
cos θ

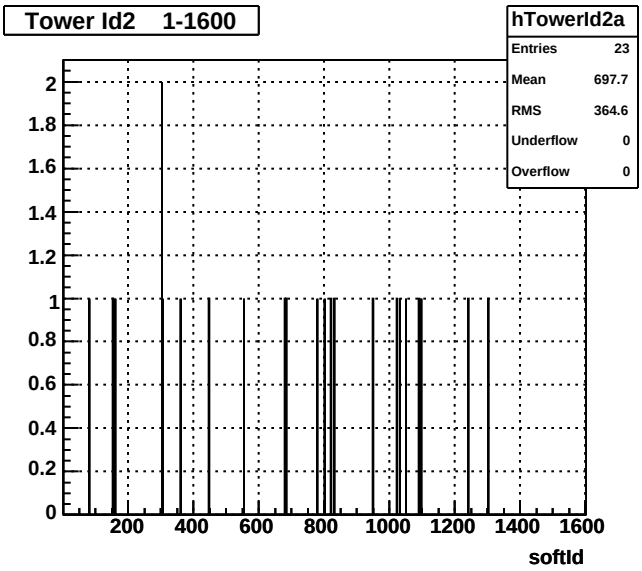

Number of hot towers
number of hot towers
events seen

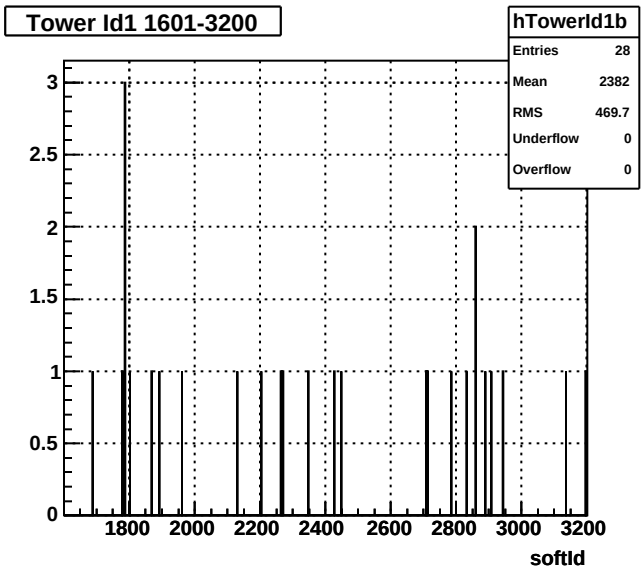

L2 processing time
hTime
Entries 96
Mean 286.6
RMS 56.92
Underflow 0
Overflow 11
time [μs]

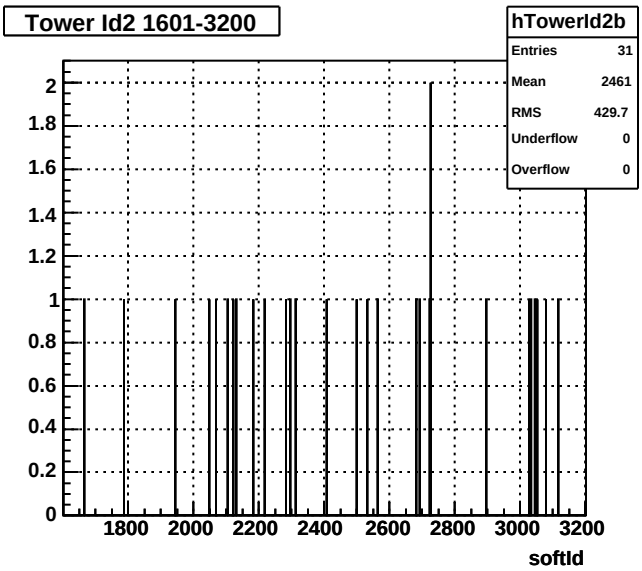

L0-L2 rejection rate
hL0L2RejectionRate
Entries 96
Mean 1.948
RMS 0.2731
Underflow 0
Overflow 0

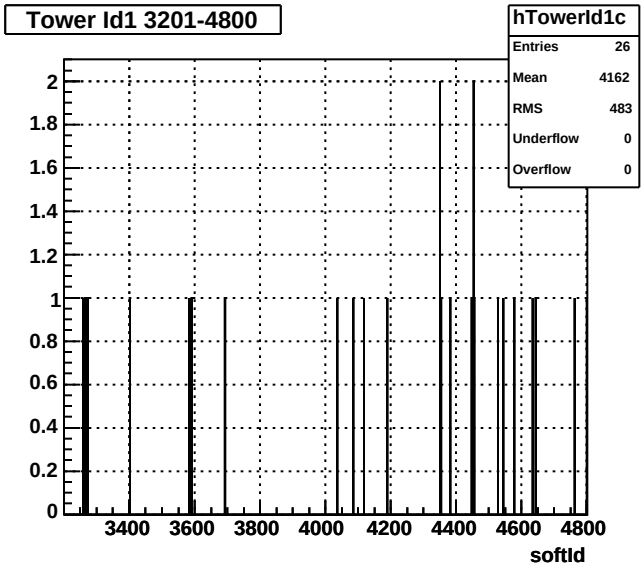

Delta Phi
hDeltaPhi
Entries 96
Mean 2.322
RMS 0.5825
Underflow 0
Overflow 0
Δφ [radians]

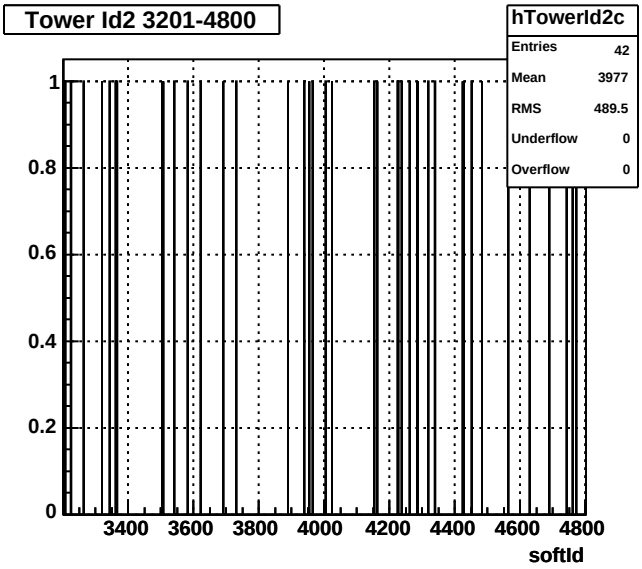

Tower Id1 1-1600
hTowerId1a
Entries 42
Mean 957.6
RMS 349.2
Underflow 0
Overflow 0
softId

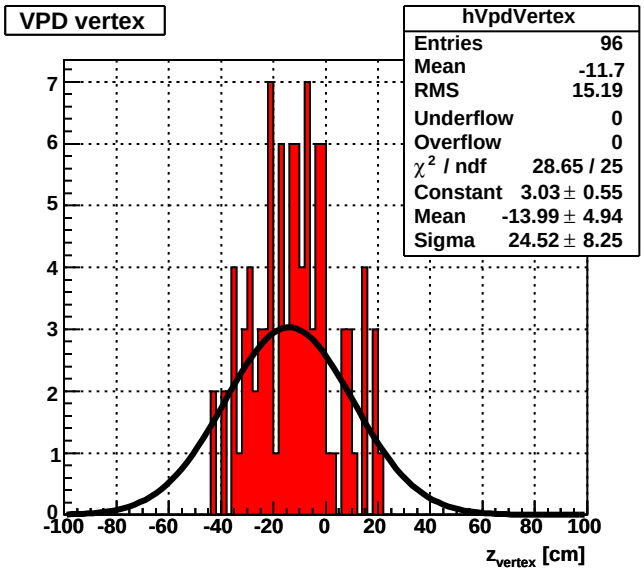

Tower Id2 1-1600
hTowerId2a
Entries 23
Mean 697.7
RMS 364.6
Underflow 0
Overflow 0
softId

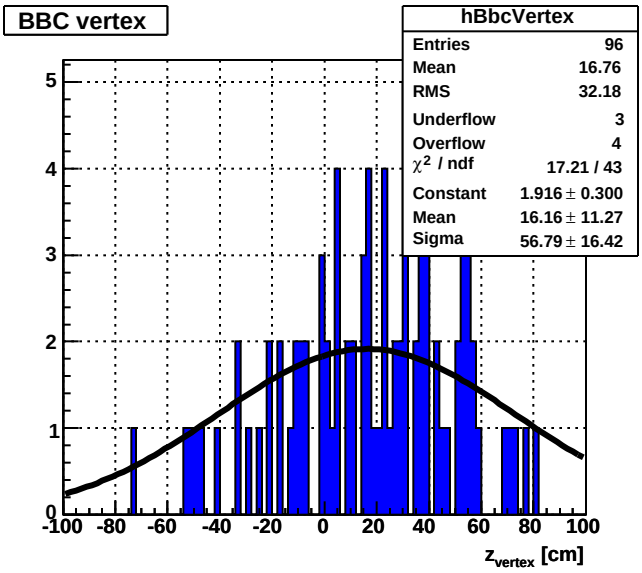

Tower Id1 1601-3200
hTowerId1b
Entries 28
Mean 2382
RMS 469.7
Underflow 0
Overflow 0
softId

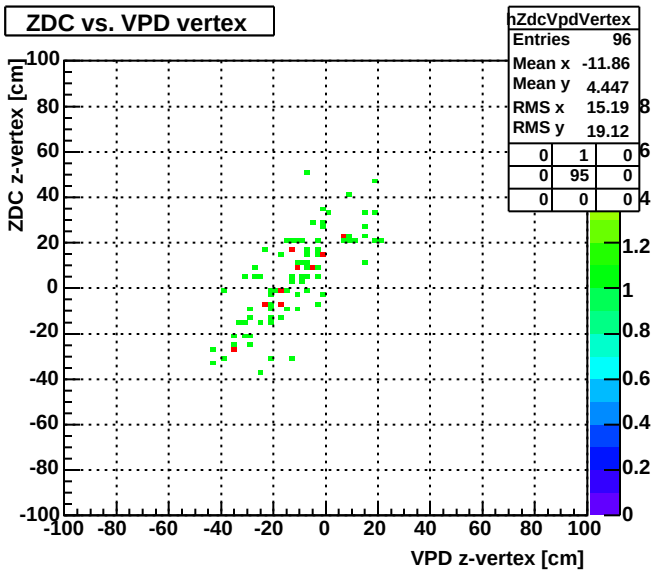

Tower Id2 1601-3200
hTowerId2b
Entries 31
Mean 2461
RMS 429.7
Underflow 0
Overflow 0
softId

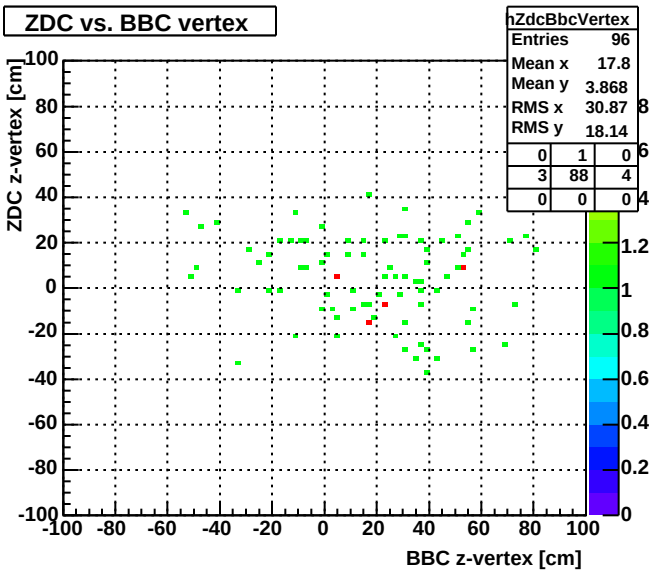

Tower Id1 3201-4800
hTowerId1c
Entries 26
Mean 4162
RMS 483
Underflow 0
Overflow 0
softId

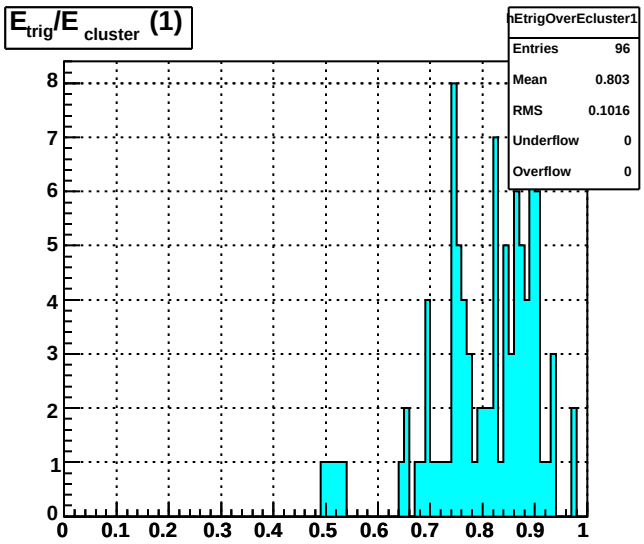

Tower Id2 3201-4800
hTowerId2c
Entries 42
Mean 3977
RMS 489.5
Underflow 0
Overflow 0
softId

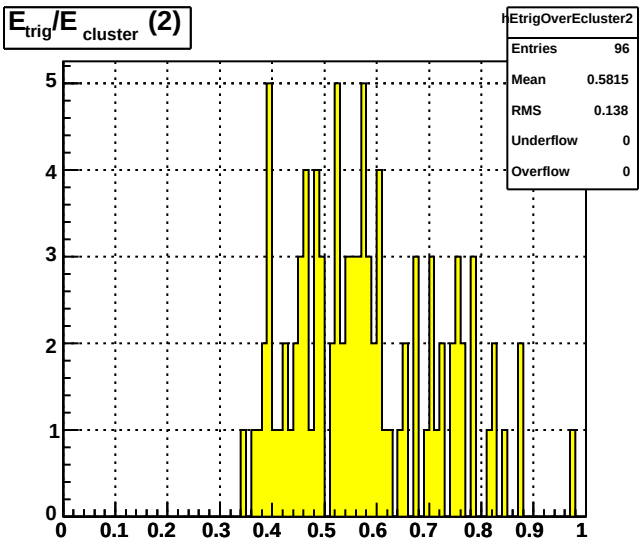

VPD vertex
hVpdVertex
Entries 96
Mean -11.7
RMS 15.19
Underflow 0
Overflow 0
χ² / ndf 28.65 / 25
Constant 3.03 ± 0.55
Mean -13.99 ± 4.94
Sigma 24.52 ± 8.25
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 96
Mean 16.76
RMS 32.18
Underflow 3
Overflow 4
χ² / ndf 17.21 / 43
Constant 1.916 ± 0.300
Mean 16.16 ± 11.27
Sigma 56.79 ± 16.42
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 96
Mean x -11.86
Mean y 4.447
RMS x 15.19
RMS y 19.12
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 96
Mean x 17.8
Mean y 3.868
RMS x 30.87
RMS y 18.14
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 96
Mean 0.803
RMS 0.1016
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 96
Mean 0.5815
RMS 0.138
Underflow 0
Overflow 0