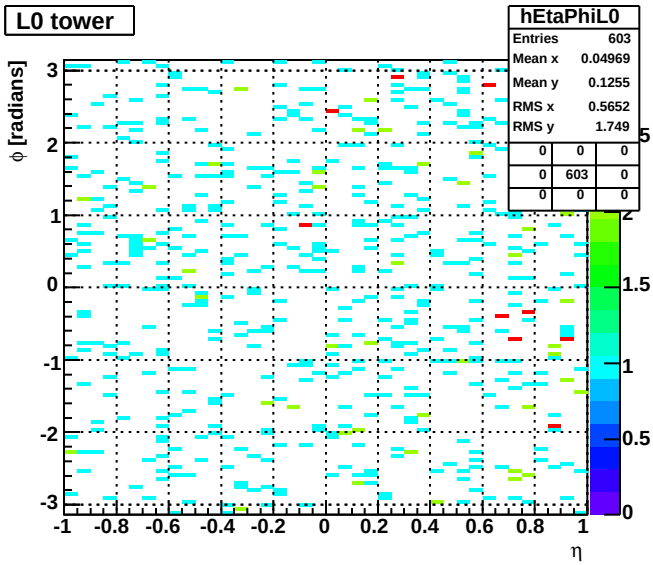
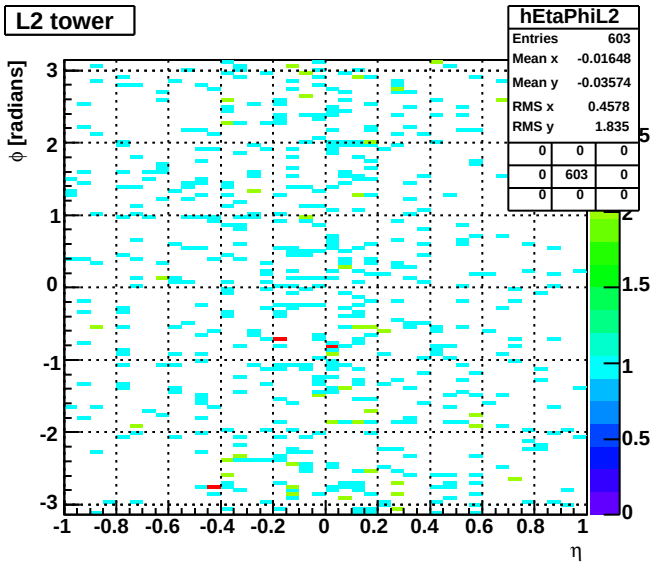
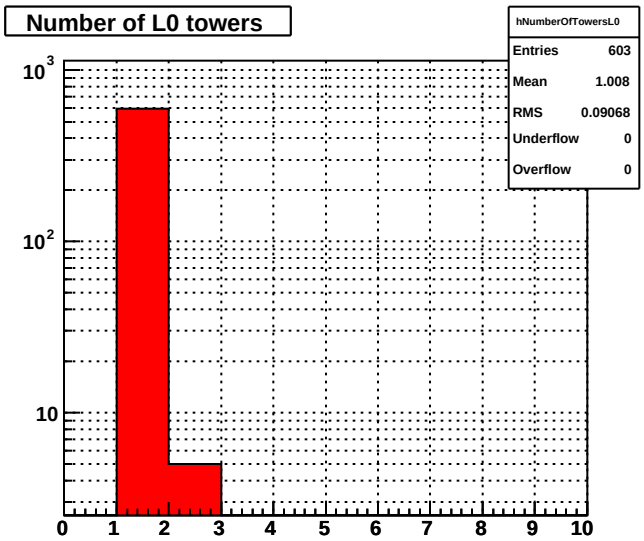
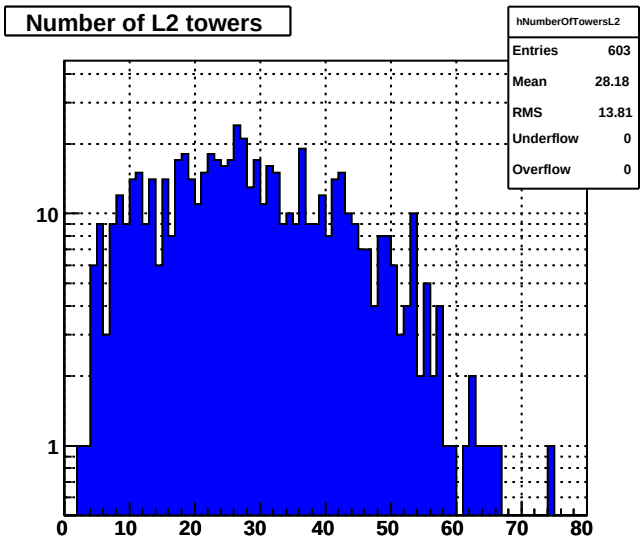
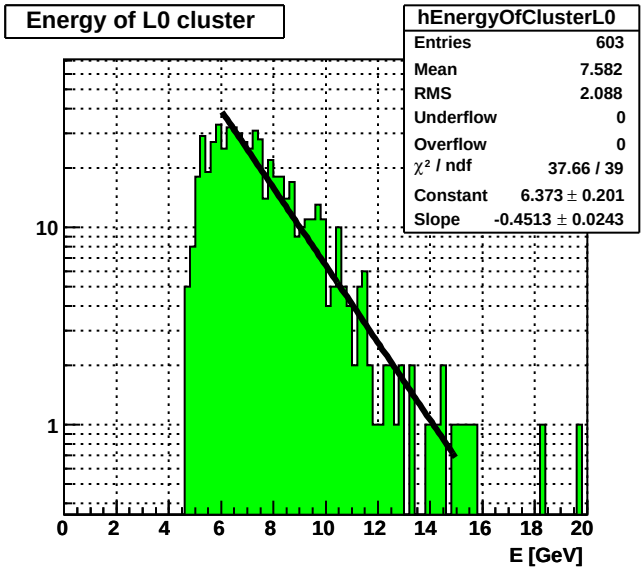
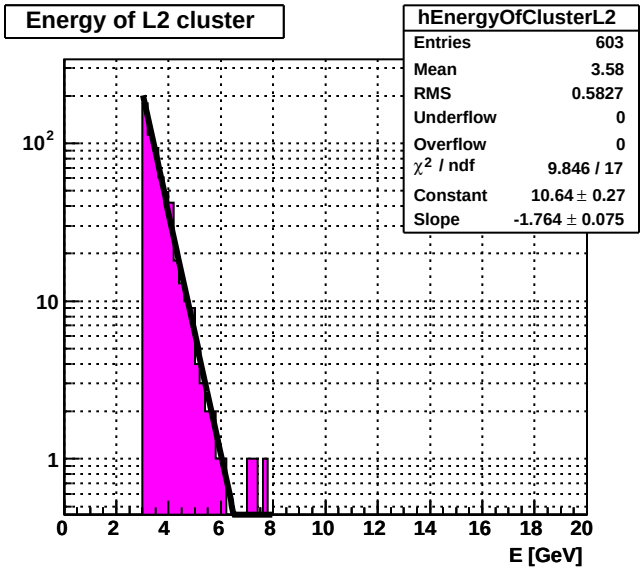

L0 tower
hEtaPhiL0
Entries 603
Mean x 0.04969
Mean y 0.1255
RMS x 0.5652
RMS y 1.749
φ [radians]
η

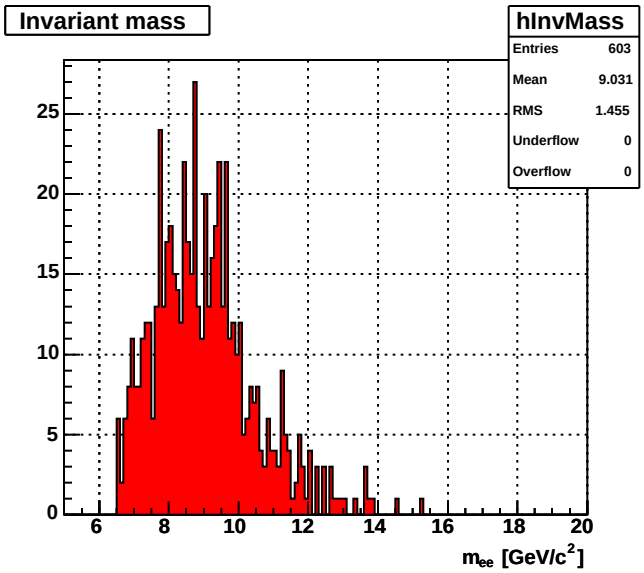

L2 tower
hEtaPhiL2
Entries 603
Mean x -0.01648
Mean y -0.03574
RMS x 0.4578
RMS y 1.835
φ [radians]
η

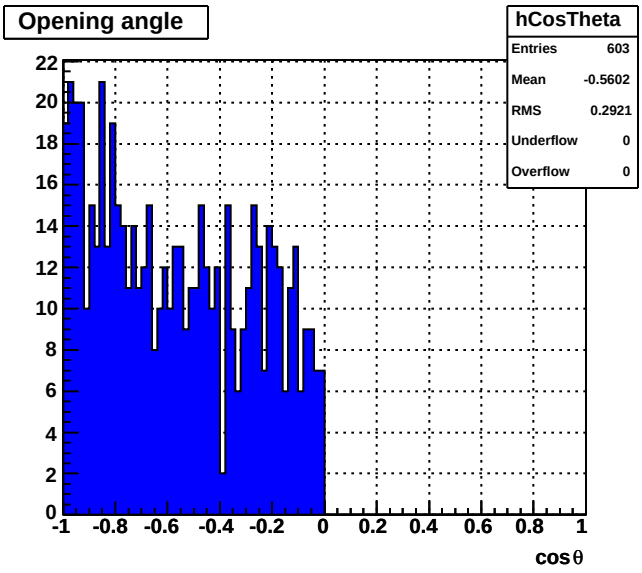

Number of L0 towers
hNumberOfTowersL0
Entries 603
Mean 1.008
RMS 0.09068
Underflow 0
Overflow 0

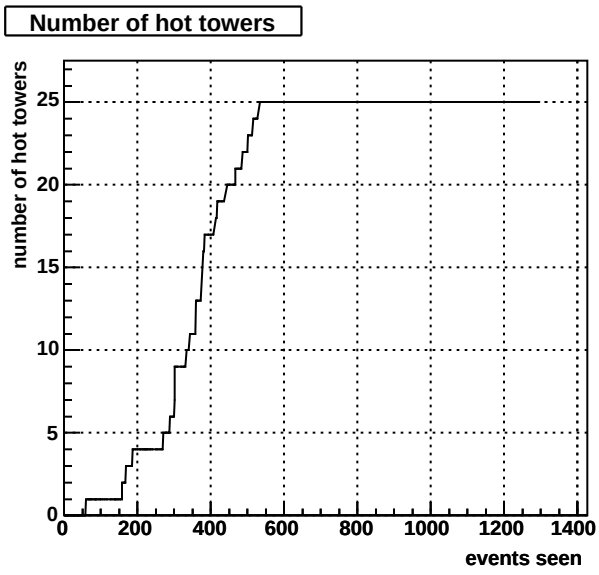

Number of L2 towers
hNumberOfTowersL2
Entries 603
Mean 28.18
RMS 13.81
Underflow 0
Overflow 0

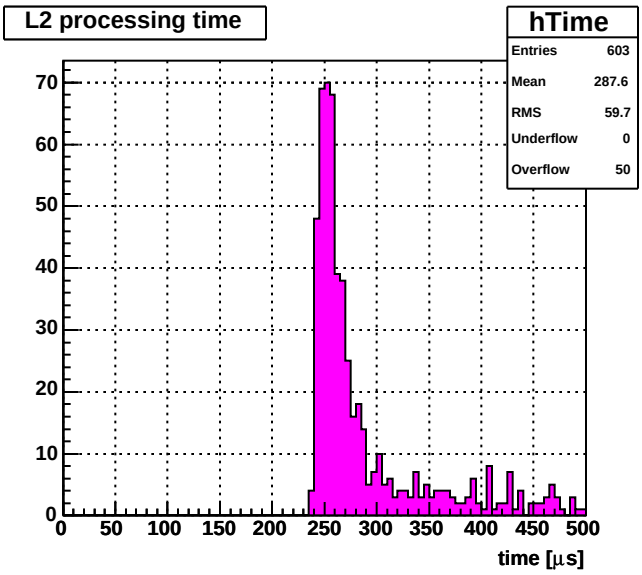

Energy of L0 cluster
hEnergyOfClusterL0
Entries 603
Mean 7.582
RMS 2.088
Underflow 0
Overflow 0
χ² / ndf 37.66 / 39
Constant 6.373 ± 0.201
Slope -0.4513 ± 0.0243
E [GeV]

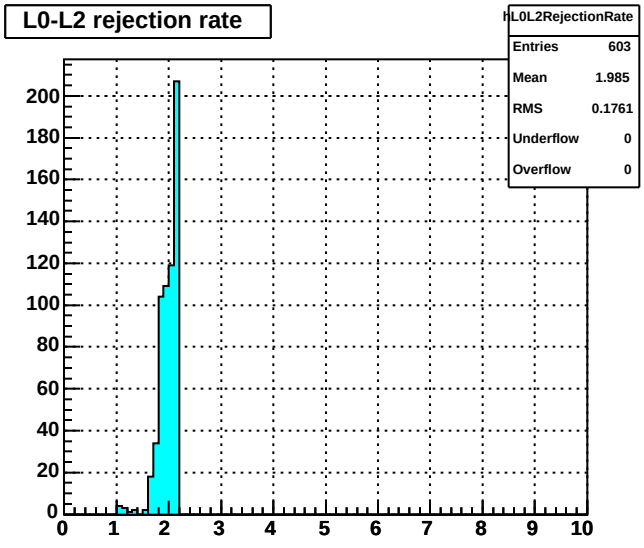

Energy of L2 cluster
hEnergyOfClusterL2
Entries 603
Mean 3.58
RMS 0.5827
Underflow 0
Overflow 0
χ² / ndf 9.846 / 17
Constant 10.64 ± 0.27
Slope -1.764 ± 0.075
E [GeV]

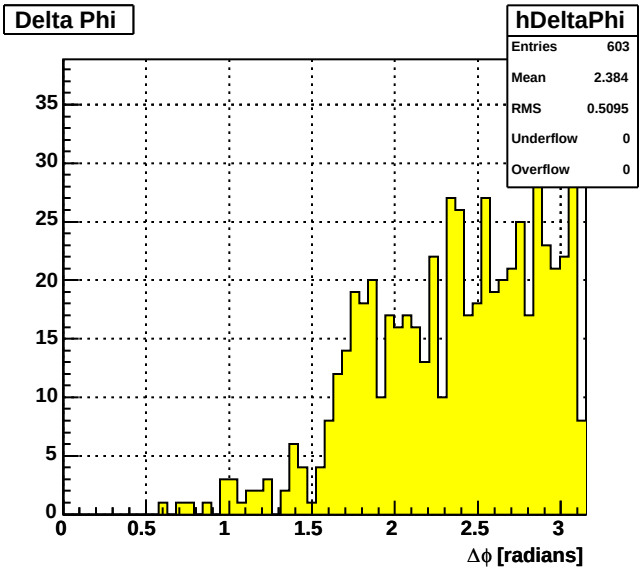

Invariant mass
hInvMass
Entries 603
Mean 9.031
RMS 1.455
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

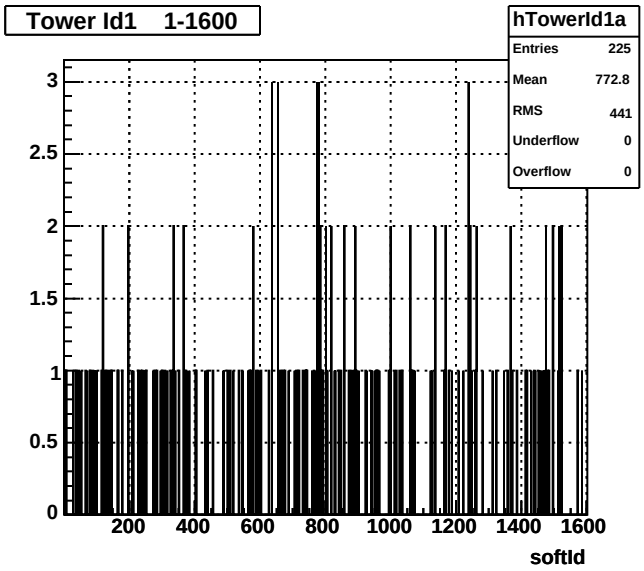

Opening angle
hCosTheta
Entries 603
Mean -0.5602
RMS 0.2921
Underflow 0
Overflow 0
cos θ

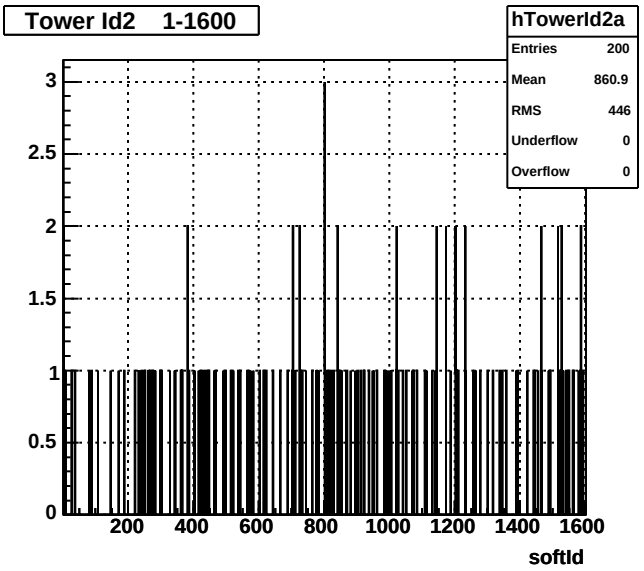

Number of hot towers
number of hot towers
events seen

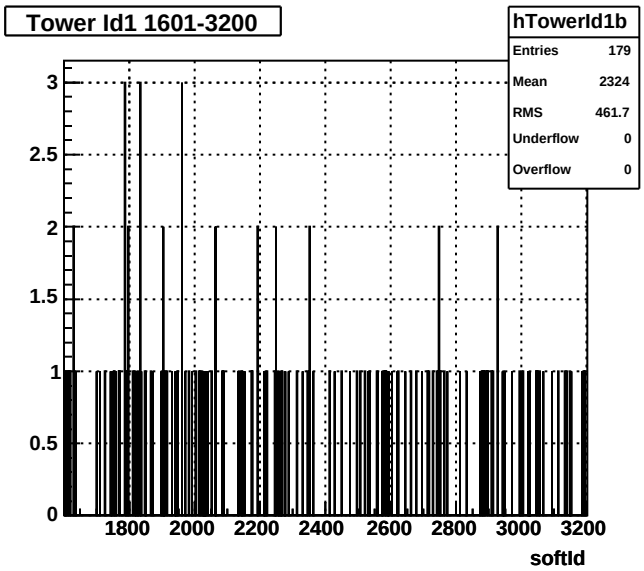

L2 processing time
hTime
Entries 603
Mean 287.6
RMS 59.7
Underflow 0
Overflow 50
time [μs]

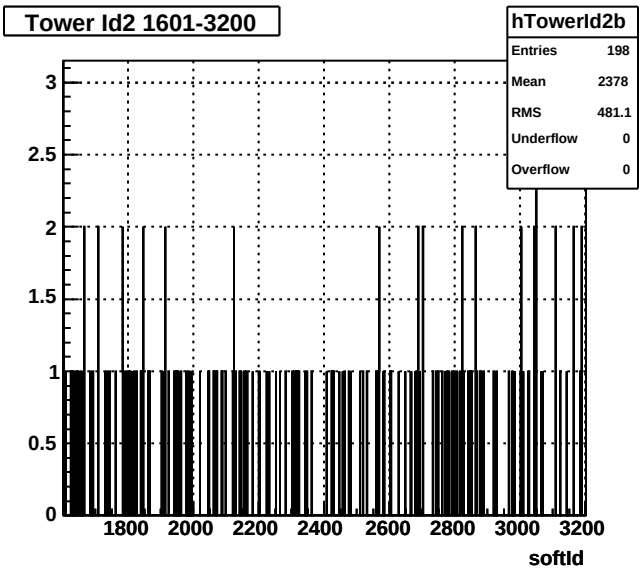

L0-L2 rejection rate
hL0L2RejectionRate
Entries 603
Mean 1.985
RMS 0.1761
Underflow 0
Overflow 0

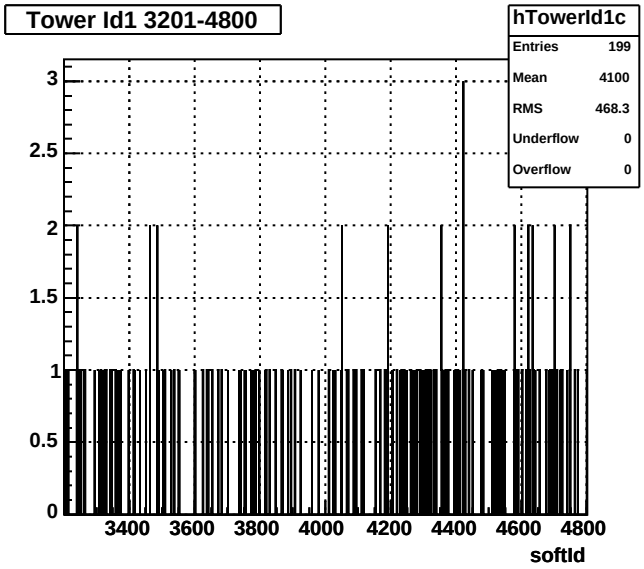

Delta Phi
hDeltaPhi
Entries 603
Mean 2.384
RMS 0.5095
Underflow 0
Overflow 0
Δφ [radians]

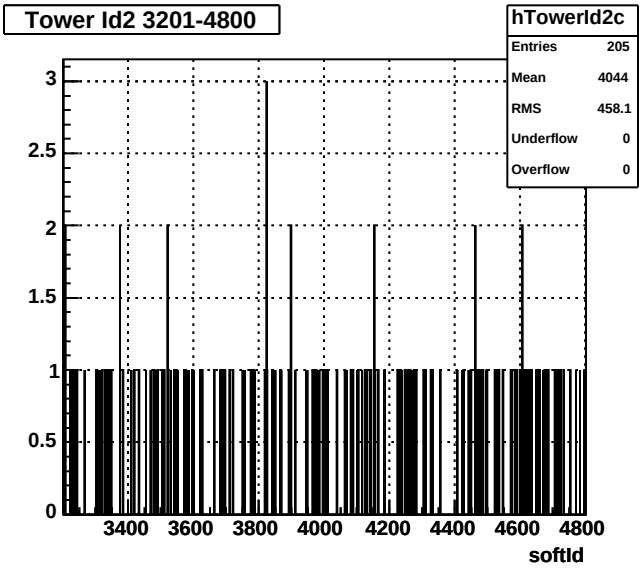

Tower Id1 1-1600
hTowerId1a
Entries 225
Mean 772.8
RMS 441
Underflow 0
Overflow 0
softId

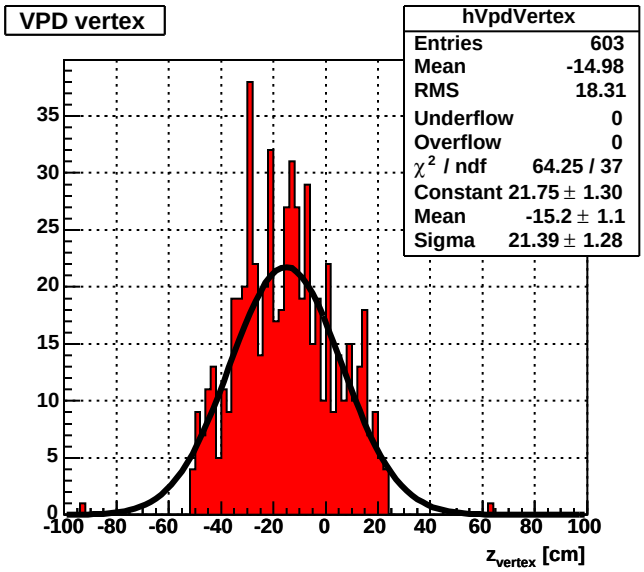

Tower Id2 1-1600
hTowerId2a
Entries 200
Mean 860.9
RMS 446
Underflow 0
Overflow 0
softId

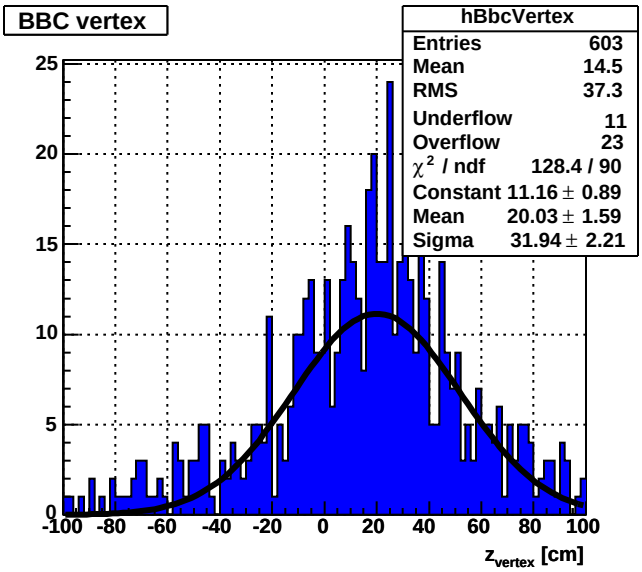

Tower Id1 1601-3200
hTowerId1b
Entries 179
Mean 2324
RMS 461.7
Underflow 0
Overflow 0
softId

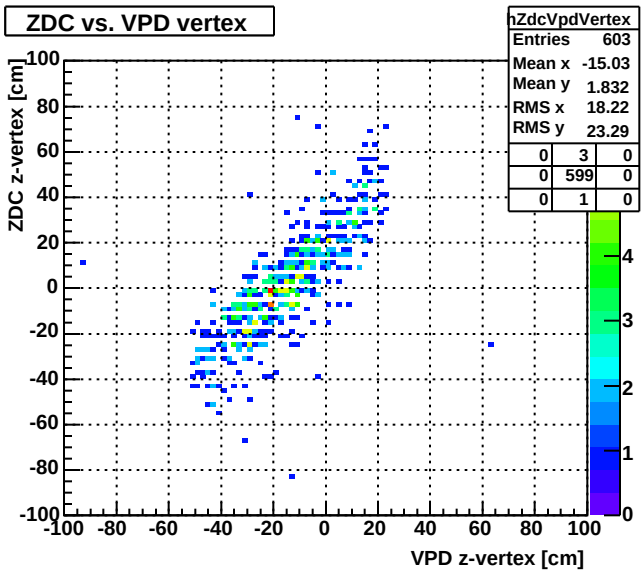

Tower Id2 1601-3200
hTowerId2b
Entries 198
Mean 2378
RMS 481.1
Underflow 0
Overflow 0
softId

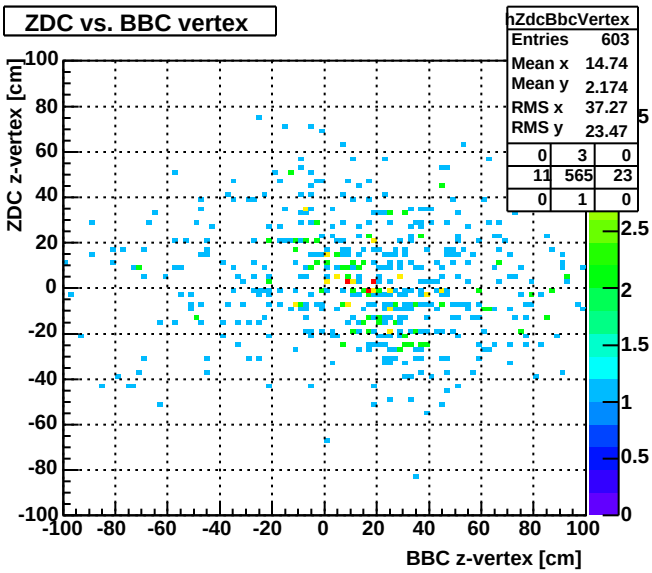

Tower Id1 3201-4800
hTowerId1c
Entries 199
Mean 4100
RMS 468.3
Underflow 0
Overflow 0
softId

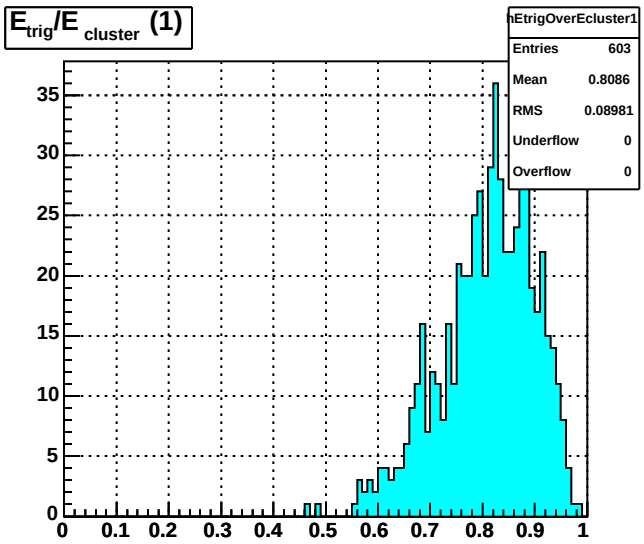

Tower Id2 3201-4800
hTowerId2c
Entries 205
Mean 4044
RMS 458.1
Underflow 0
Overflow 0
softId

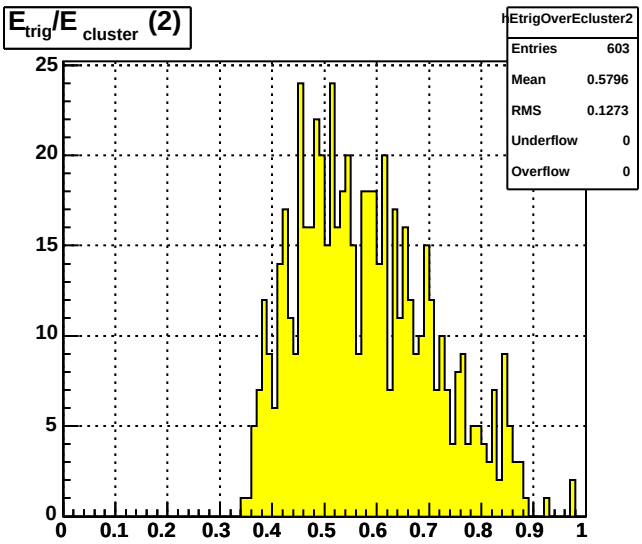

VPD vertex
hVpdVertex
Entries 603
Mean -14.98
RMS 18.31
Underflow 0
Overflow 0
χ² / ndf 64.25 / 37
Constant 21.75 ± 1.30
Mean -15.2 ± 1.1
Sigma 21.39 ± 1.28
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 603
Mean 14.5
RMS 37.3
Underflow 11
Overflow 23
χ² / ndf 128.4 / 90
Constant 11.16 ± 0.89
Mean 20.03 ± 1.59
Sigma 31.94 ± 2.21
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 603
Mean x -15.03
Mean y 1.832
RMS x 18.22
RMS y 23.29
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 603
Mean x 14.74
Mean y 2.174
RMS x 37.27
RMS y 23.47
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 603
Mean 0.8086
RMS 0.08981
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 603
Mean 0.5796
RMS 0.1273
Underflow 0
Overflow 0