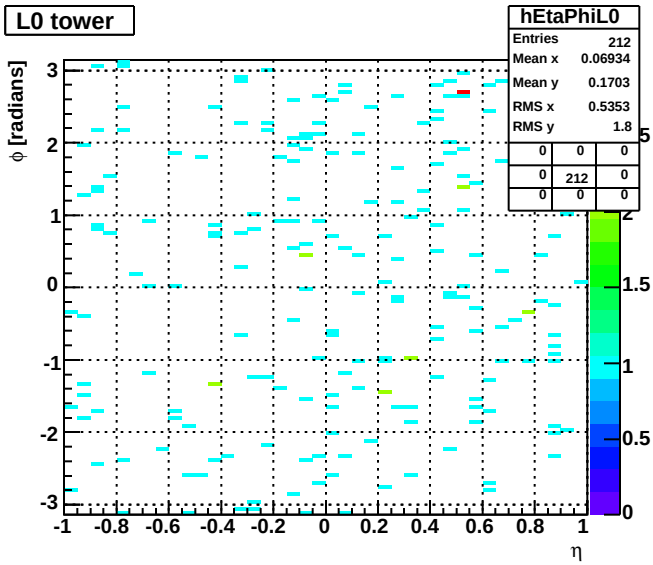
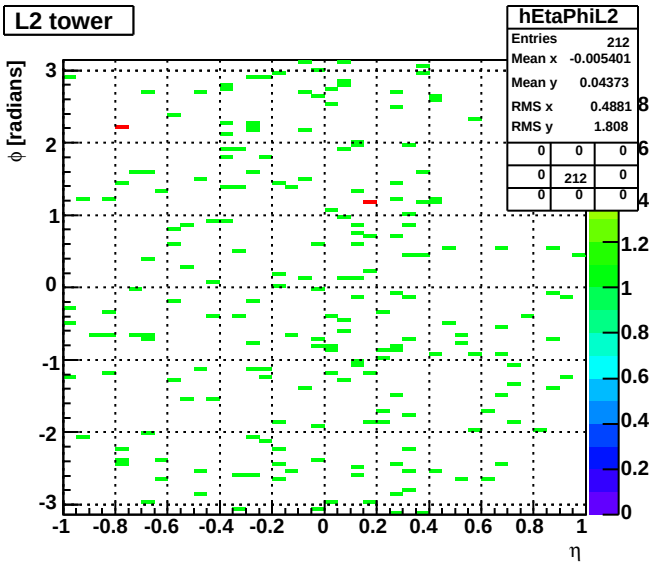
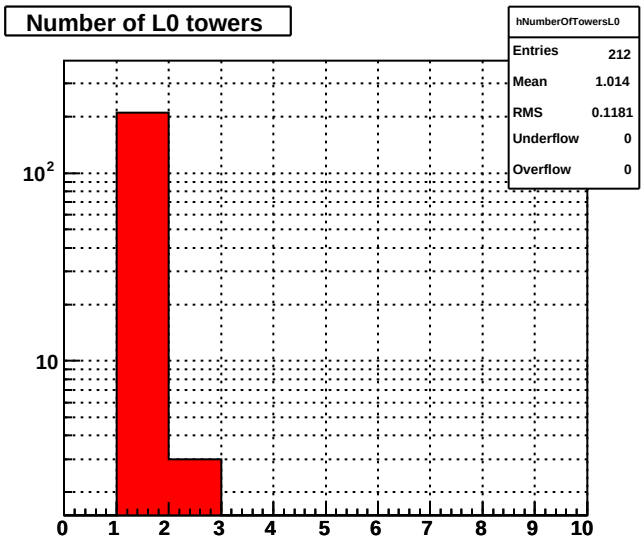
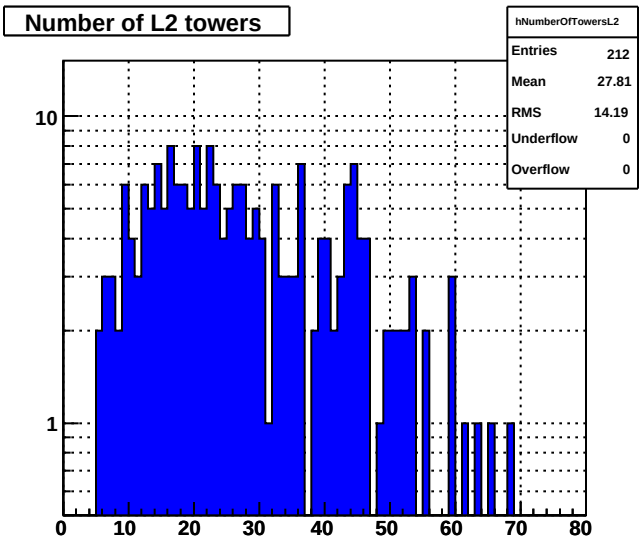
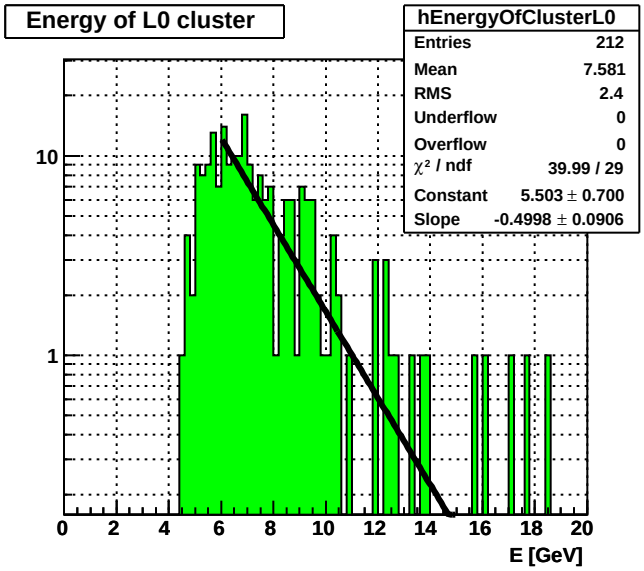
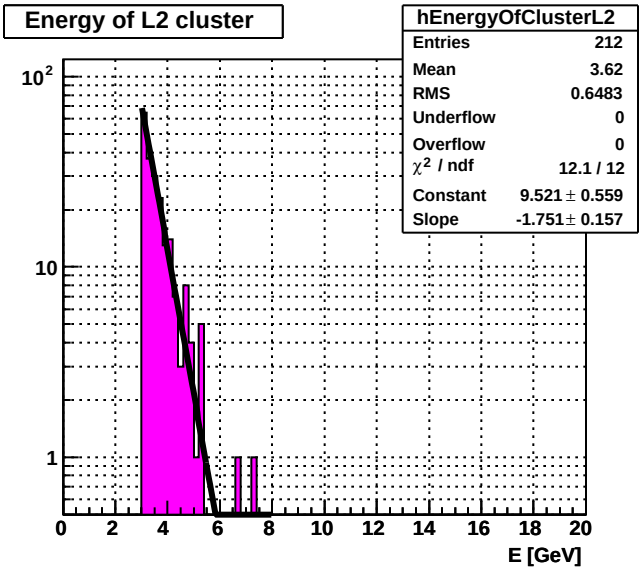

L0 tower
hEtaPhiL0
Entries 212
Mean x 0.06934
Mean y 0.1703
RMS x 0.5353
RMS y 1.8
φ [radians]
η

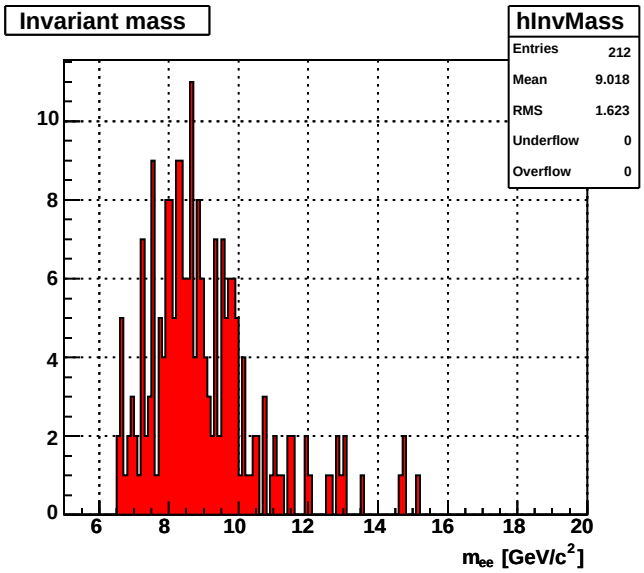

L2 tower
hEtaPhiL2
Entries 212
Mean x -0.005401
Mean y 0.04373
RMS x 0.4881
RMS y 1.808
φ [radians]
η

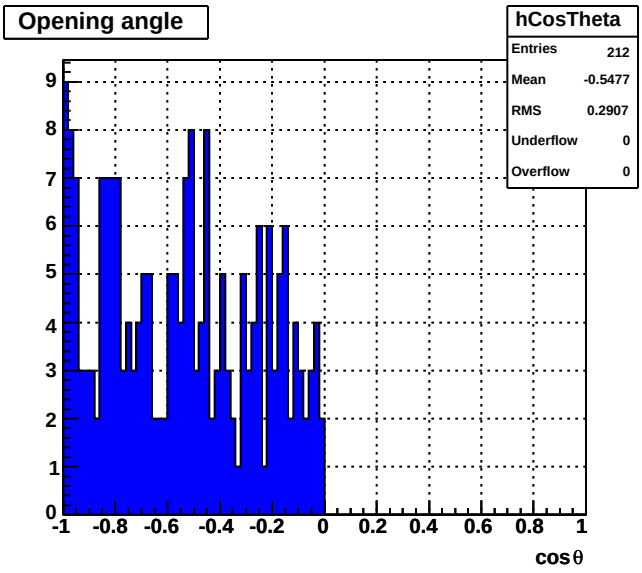

Number of L0 towers
hNumberOfTowersL0
Entries 212
Mean 1.014
RMS 0.1181
Underflow 0
Overflow 0

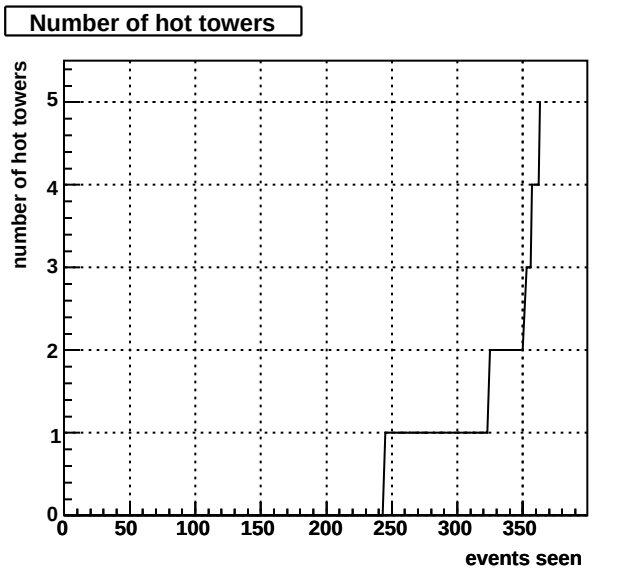

Number of L2 towers
hNumberOfTowersL2
Entries 212
Mean 27.81
RMS 14.19
Underflow 0
Overflow 0

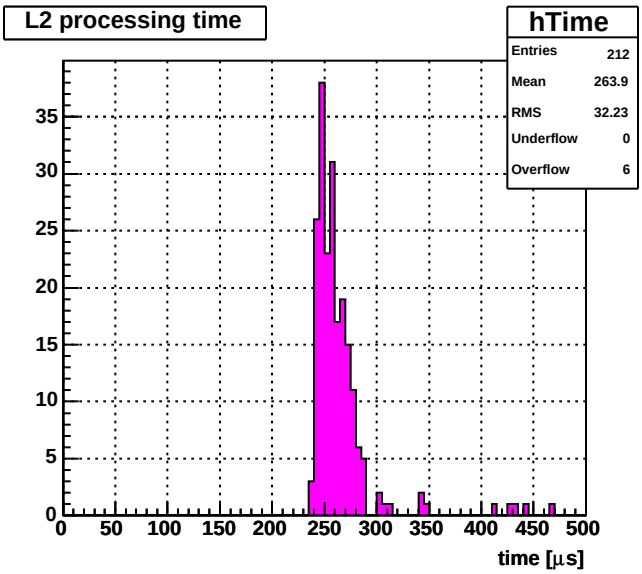

Energy of L0 cluster
hEnergyOfClusterL0
Entries 212
Mean 7.581
RMS 2.4
Underflow 0
Overflow 0
χ² / ndf 39.99 / 29
Constant 5.503 ± 0.700
Slope -0.4998 ± 0.0906
E [GeV]

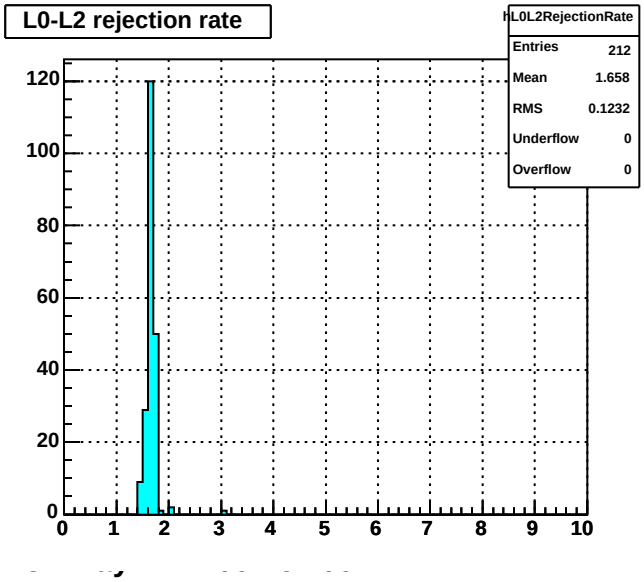

Energy of L2 cluster
hEnergyOfClusterL2
Entries 212
Mean 3.62
RMS 0.6483
Underflow 0
Overflow 0
χ² / ndf 12.1 / 12
Constant 9.521 ± 0.559
Slope -1.751 ± 0.157
E [GeV]

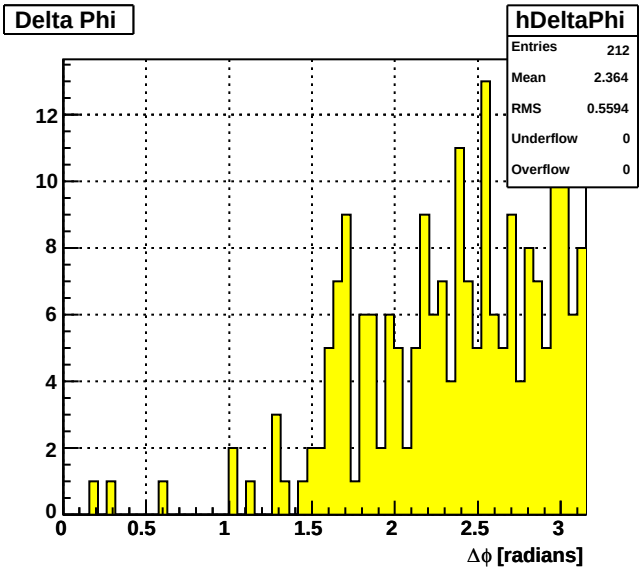

Invariant mass
hInvMass
Entries 212
Mean 9.018
RMS 1.623
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

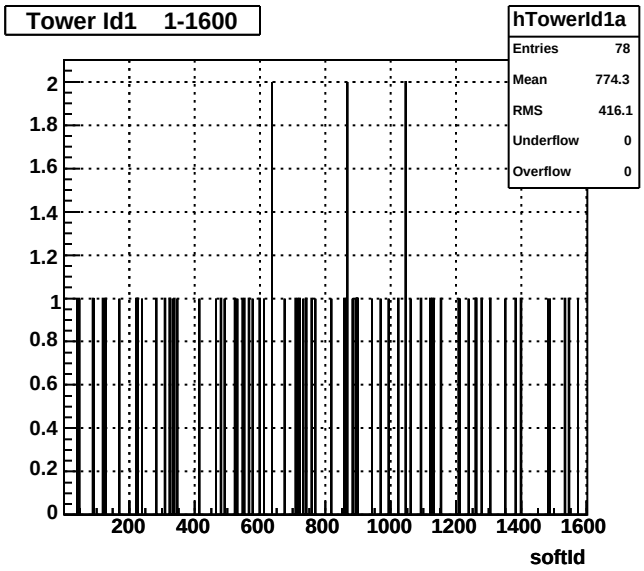

Opening angle
hCosTheta
Entries 212
Mean -0.5477
RMS 0.2907
Underflow 0
Overflow 0
cos θ

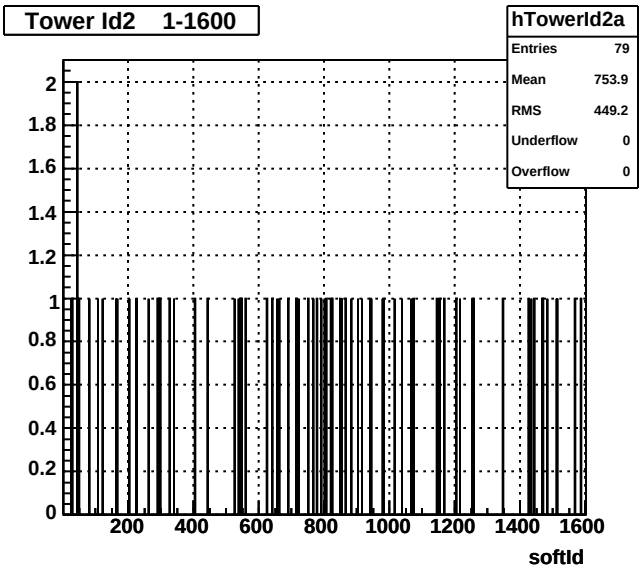

Number of hot towers
number of hot towers
events seen

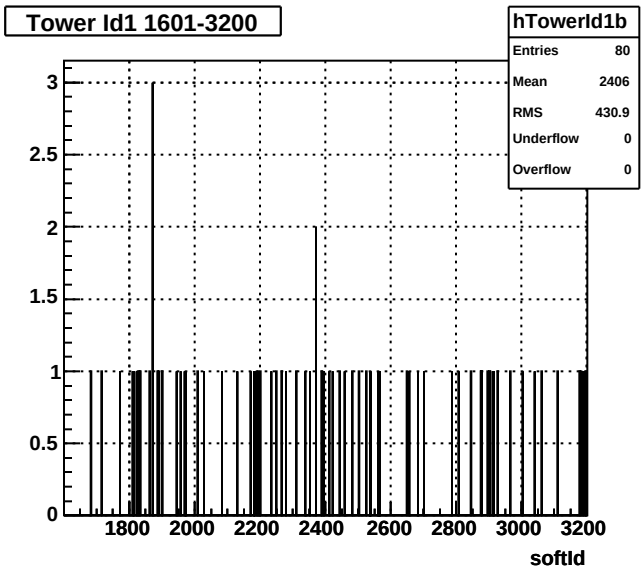

L2 processing time
hTime
Entries 212
Mean 263.9
RMS 32.23
Underflow 0
Overflow 6
time [μs]

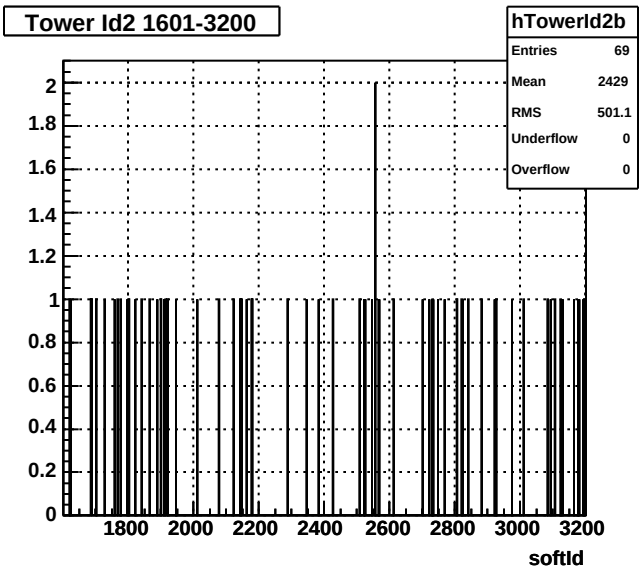

L0-L2 rejection rate
hL0L2RejectionRate
Entries 212
Mean 1.658
RMS 0.1232
Underflow 0
Overflow 0

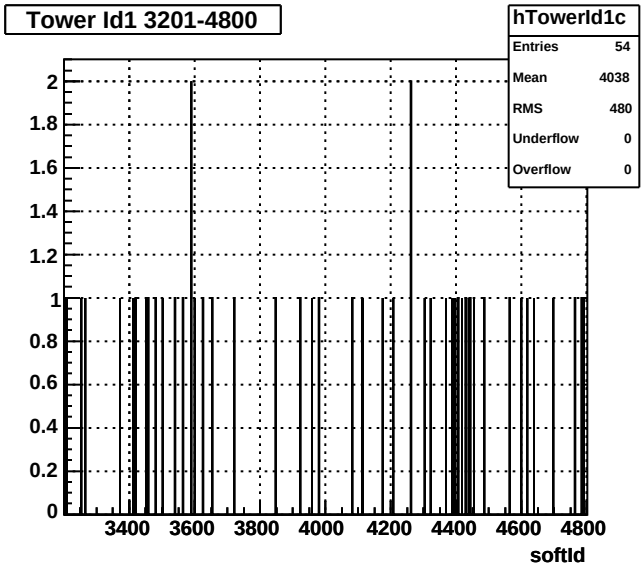

Delta Phi
hDeltaPhi
Entries 212
Mean 2.364
RMS 0.5594
Underflow 0
Overflow 0
Δφ [radians]

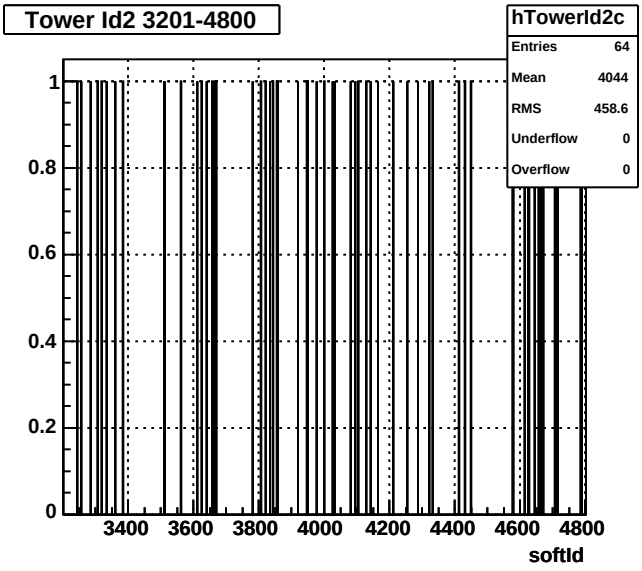

Tower Id1 1-1600
hTowerId1a
Entries 78
Mean 774.3
RMS 416.1
Underflow 0
Overflow 0
softId

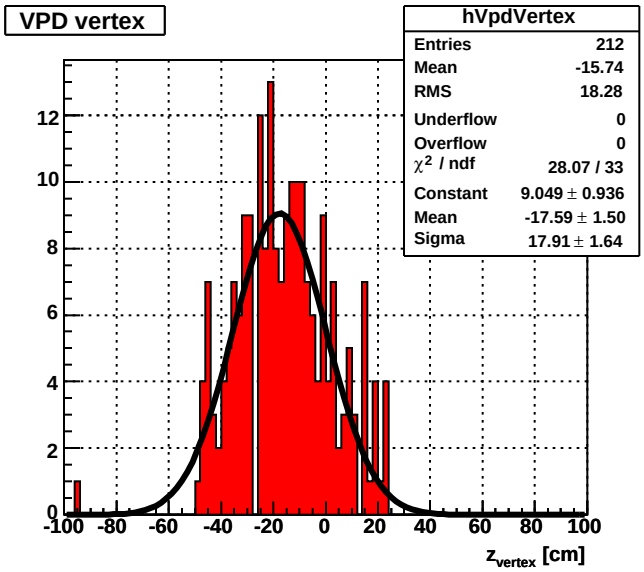

Tower Id2 1-1600
hTowerId2a
Entries 79
Mean 753.9
RMS 449.2
Underflow 0
Overflow 0
softId

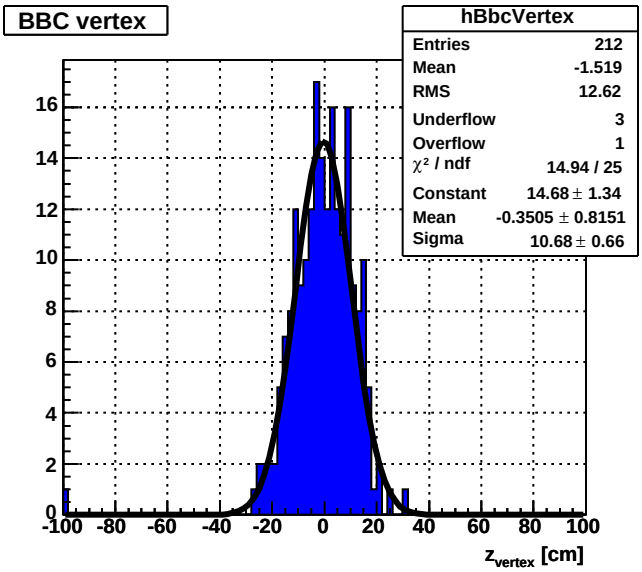

Tower Id1 1601-3200
hTowerId1b
Entries 80
Mean 2406
RMS 430.9
Underflow 0
Overflow 0
softId

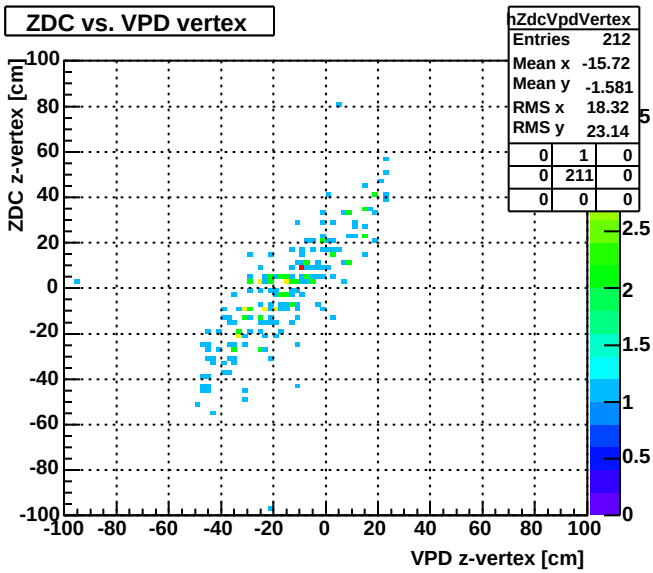

Tower Id2 1601-3200
hTowerId2b
Entries 69
Mean 2429
RMS 501.1
Underflow 0
Overflow 0
softId

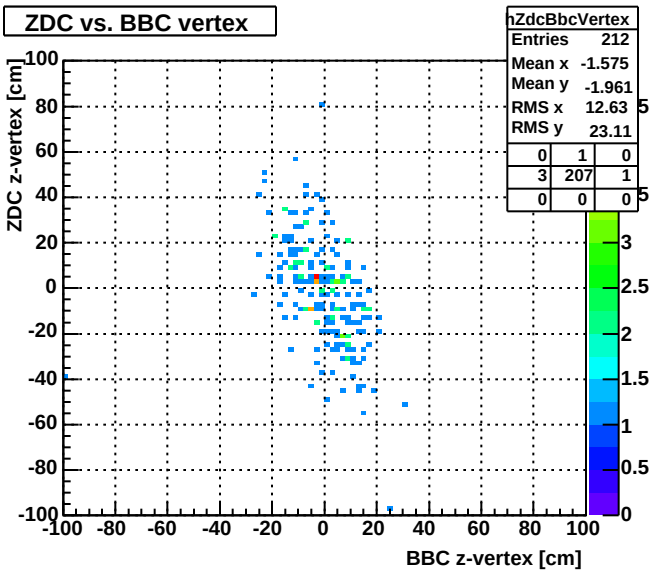

Tower Id1 3201-4800
hTowerId1c
Entries 54
Mean 4038
RMS 480
Underflow 0
Overflow 0
softId

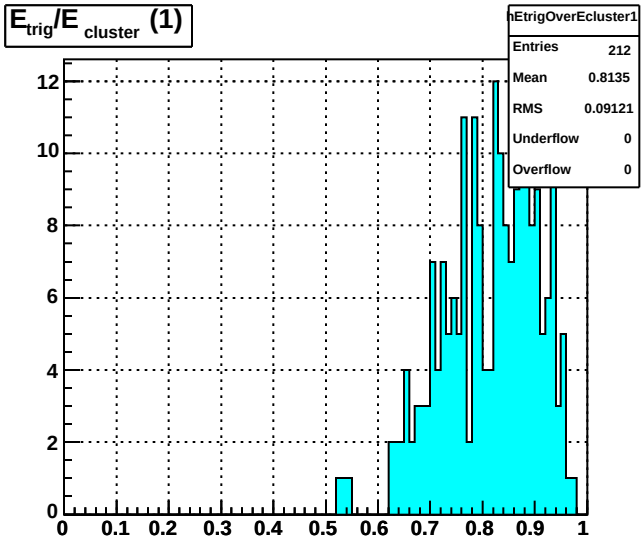

Tower Id2 3201-4800
hTowerId2c
Entries 64
Mean 4044
RMS 458.6
Underflow 0
Overflow 0
softId

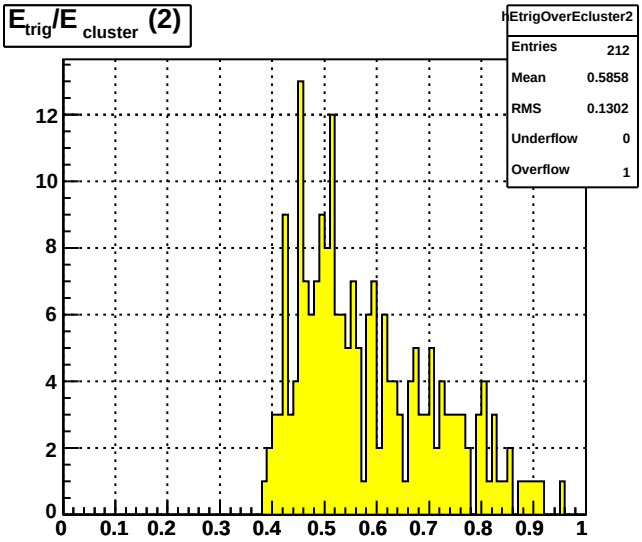

VPD vertex
hVpdVertex
Entries 212
Mean -15.74
RMS 18.28
Underflow 0
Overflow 0
χ² / ndf 28.07 / 33
Constant 9.049 ± 0.936
Mean -17.59 ± 1.50
Sigma 17.91 ± 1.64
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 212
Mean -1.519
RMS 12.62
Underflow 3
Overflow 1
χ² / ndf 14.94 / 25
Constant 14.68 ± 1.34
Mean -0.3505 ± 0.8151
Sigma 10.68 ± 0.66
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 212
Mean x -15.72
Mean y -1.581
RMS x 18.32
RMS y 23.14
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 212
Mean x -1.575
Mean y -1.961
RMS x 12.63
RMS y 23.11
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 212
Mean 0.8135
RMS 0.09121
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 212
Mean 0.5858
RMS 0.1302
Underflow 0
Overflow 1