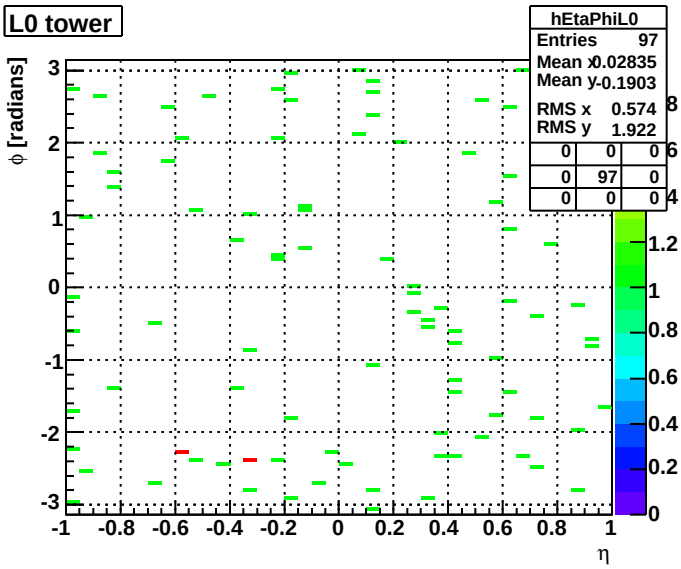
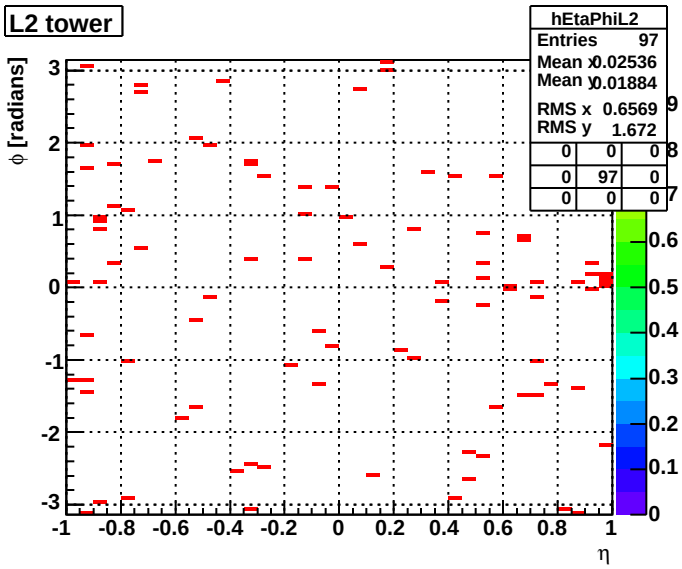
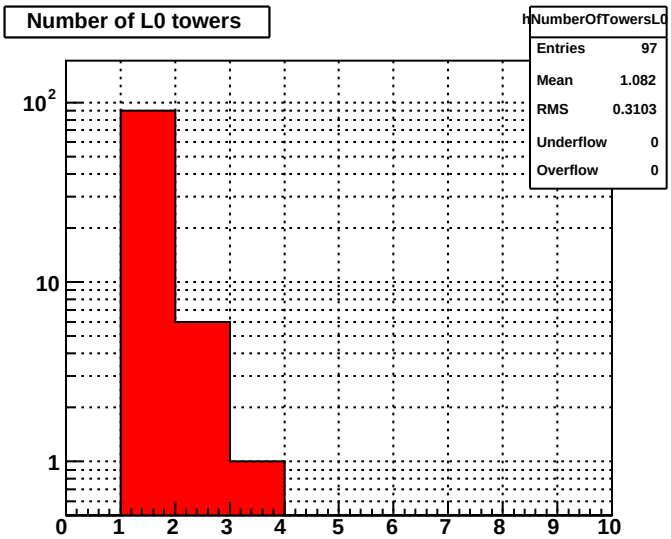
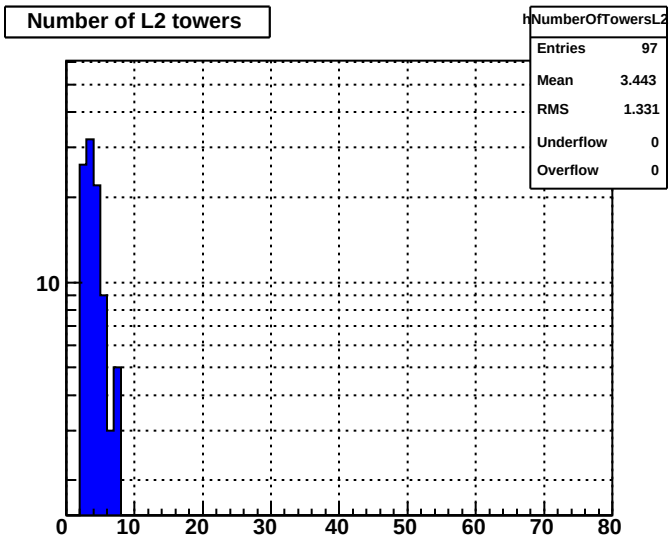
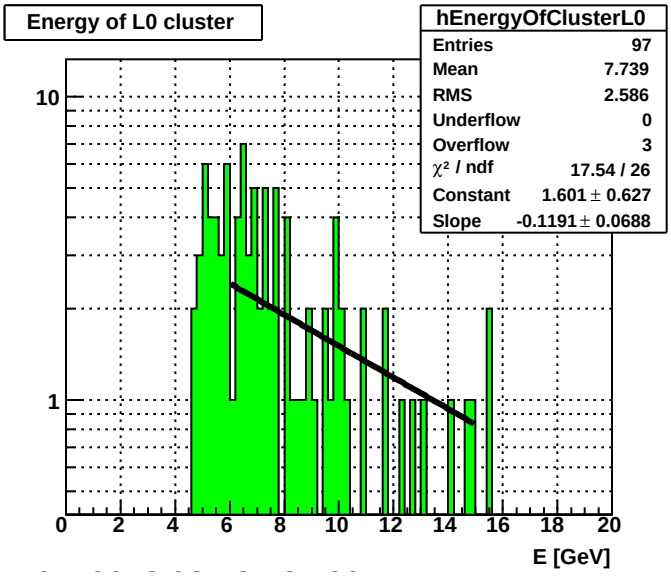
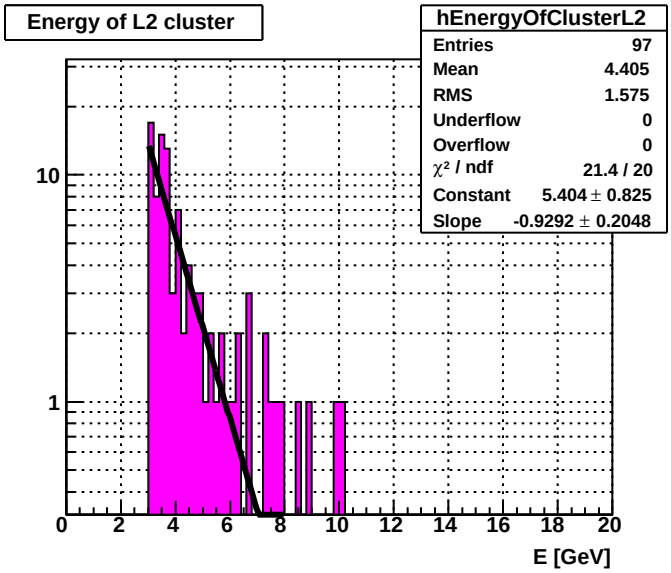

L0 tower
hEtaPhiL0
Entries 97
Mean x 0.02835
Mean y -0.1903
RMS x 0.574
RMS y 1.922
φ [radians]
η

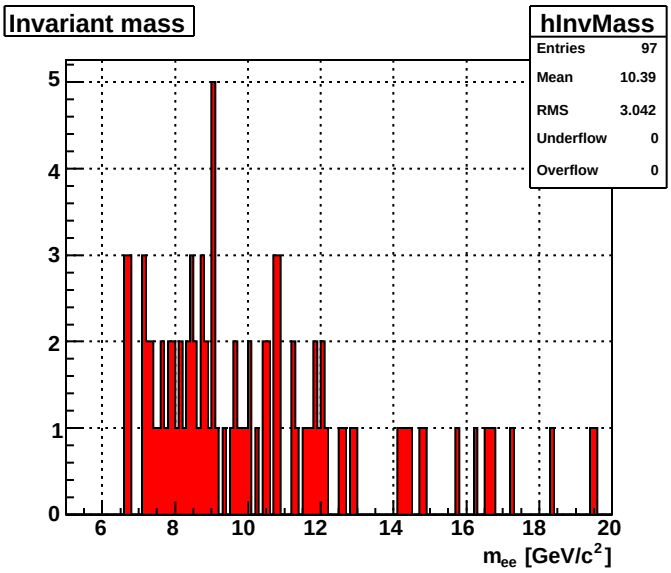

L2 tower
hEtaPhiL2
Entries 97
Mean x 0.02536
Mean y 0.01884
RMS x 0.6569
RMS y 1.672
φ [radians]
η

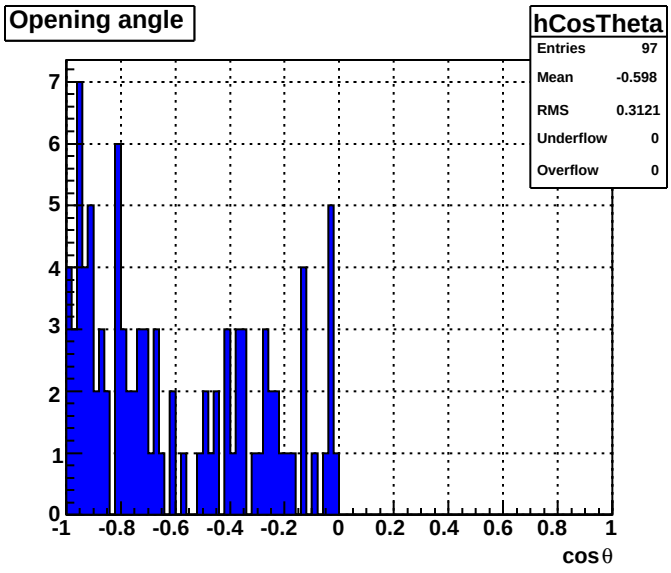

Number of L0 towers
hNumberOfTowersL0
Entries 97
Mean 1.082
RMS 0.3103
Underflow 0
Overflow 0

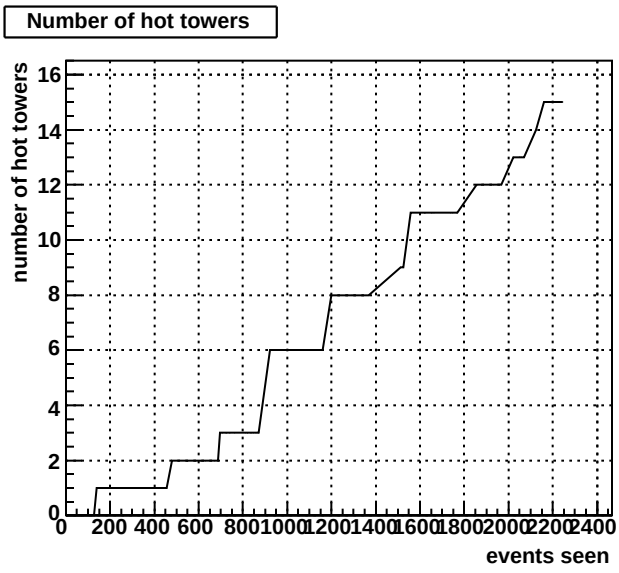

Number of L2 towers
hNumberOfTowersL2
Entries 97
Mean 3.443
RMS 1.331
Underflow 0
Overflow 0

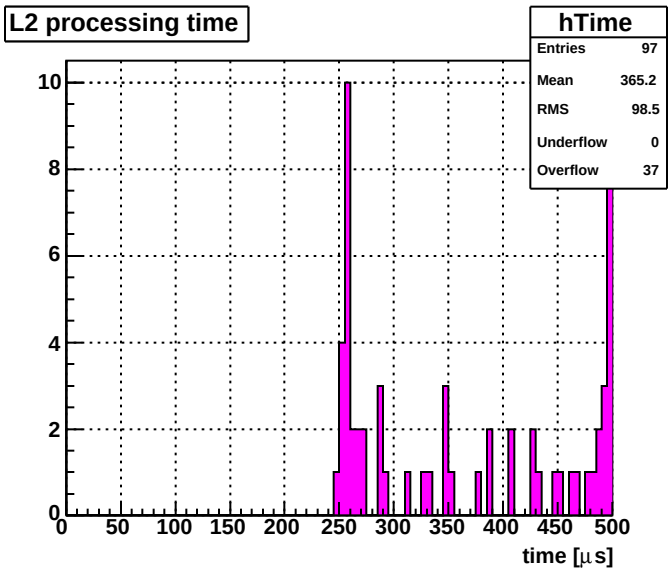

Energy of L0 cluster
hEnergyOfClusterL0
Entries 97
Mean 7.739
RMS 2.586
Underflow 0
Overflow 3
χ² / ndf 17.54 / 26
Constant 1.601 ± 0.627
Slope -0.1191 ± 0.0688
E [GeV]

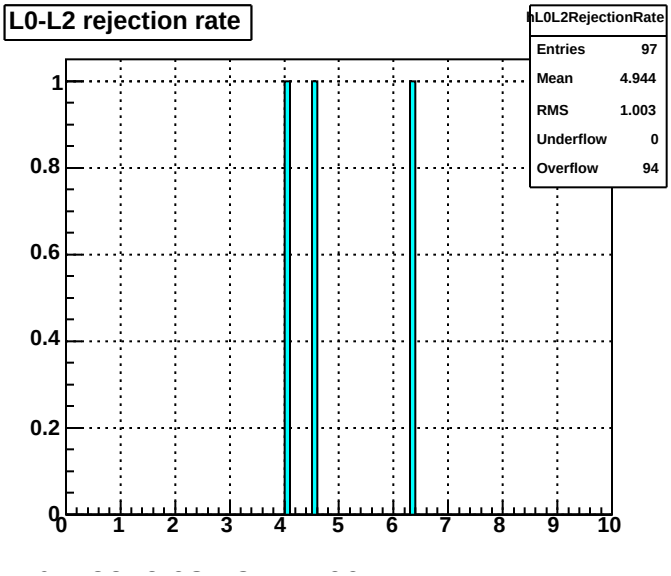

Energy of L2 cluster
hEnergyOfClusterL2
Entries 97
Mean 4.405
RMS 1.575
Underflow 0
Overflow 0
χ² / ndf 21.4 / 20
Constant 5.404 ± 0.825
Slope -0.9292 ± 0.2048
E [GeV]

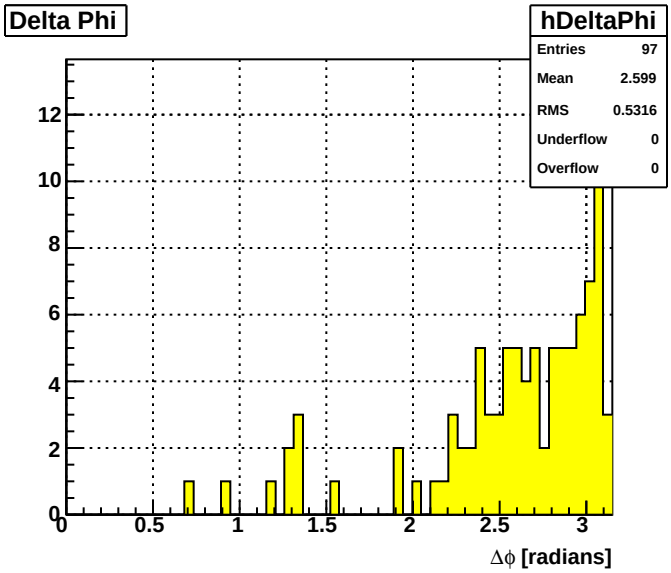

Invariant mass
hInvMass
Entries 97
Mean 10.39
RMS 3.042
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

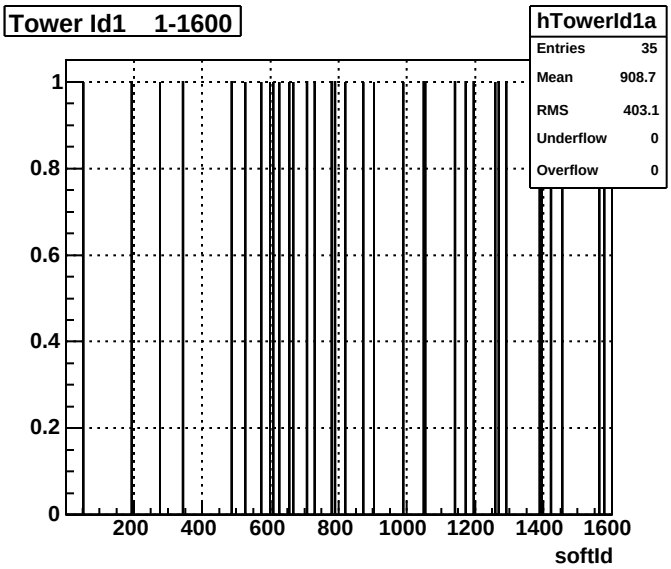

Opening angle
hCosTheta
Entries 97
Mean -0.598
RMS 0.3121
Underflow 0
Overflow 0
cos θ

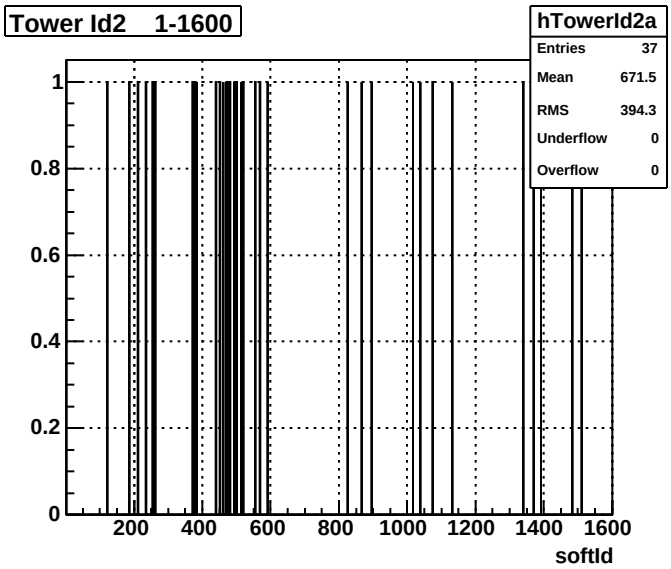

Number of hot towers
number of hot towers
events seen

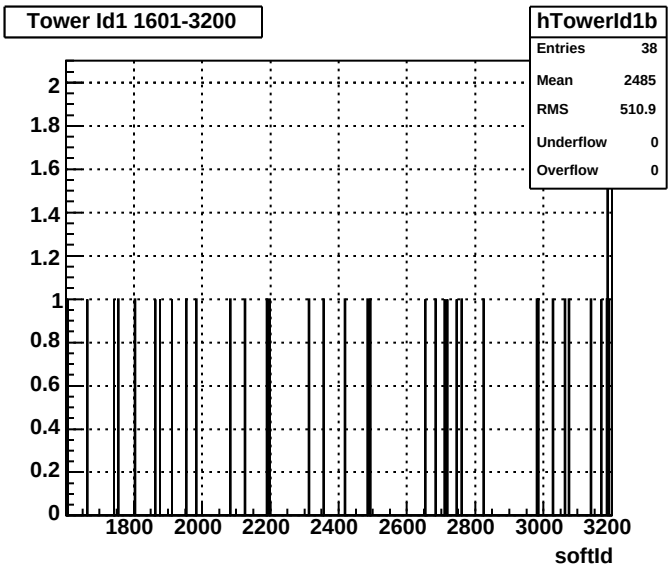

L2 processing time
hTime
Entries 97
Mean 365.2
RMS 98.5
Underflow 0
Overflow 37
time [μs]

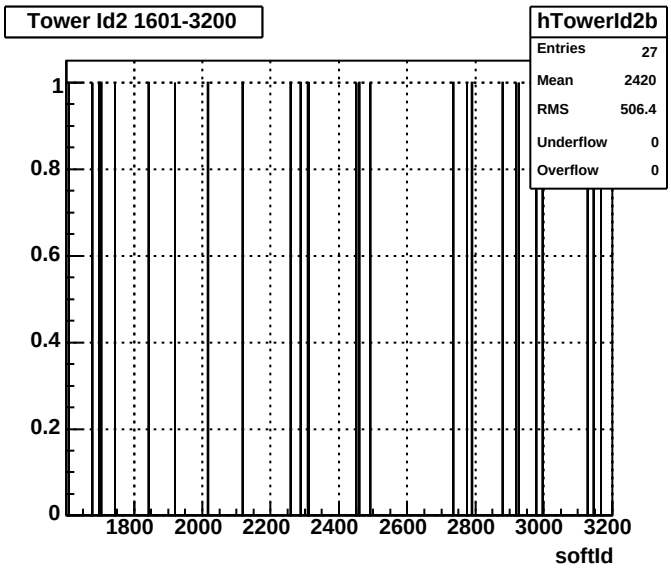

L0-L2 rejection rate
hL0L2RejectionRate
Entries 97
Mean 4.944
RMS 1.003
Underflow 0
Overflow 94

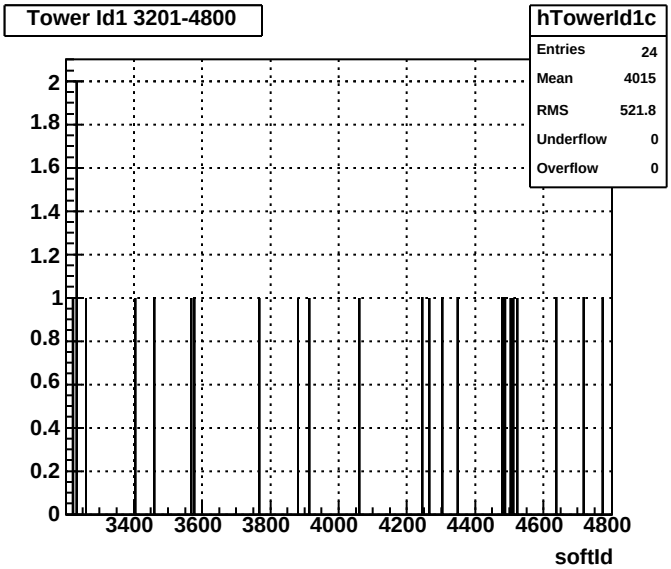

Delta Phi
hDeltaPhi
Entries 97
Mean 2.599
RMS 0.5316
Underflow 0
Overflow 0
Δφ [radians]

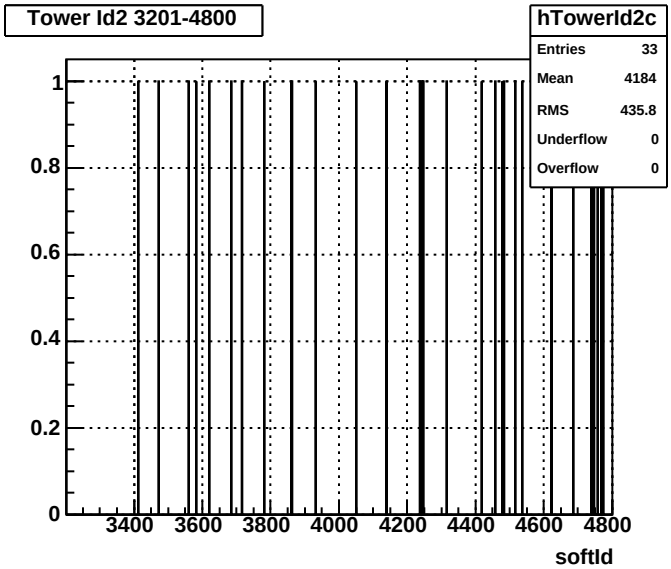

Tower Id1 1-1600
hTowerId1a
Entries 35
Mean 908.7
RMS 403.1
Underflow 0
Overflow 0
softId

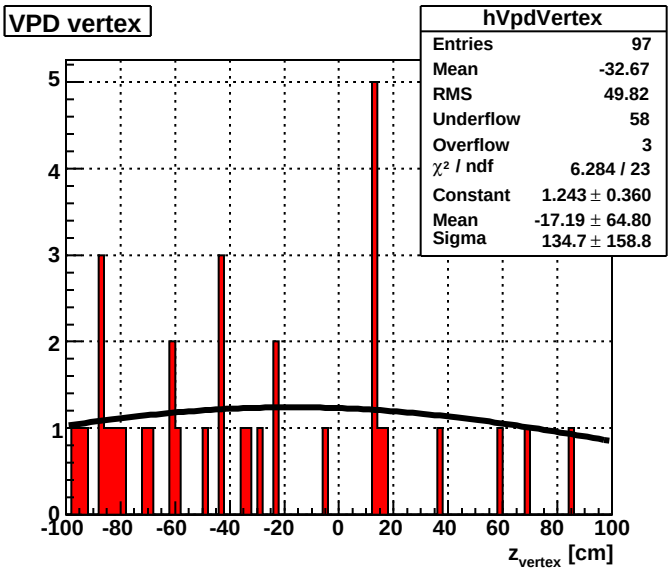

Tower Id2 1-1600
hTowerId2a
Entries 37
Mean 671.5
RMS 394.3
Underflow 0
Overflow 0
softId

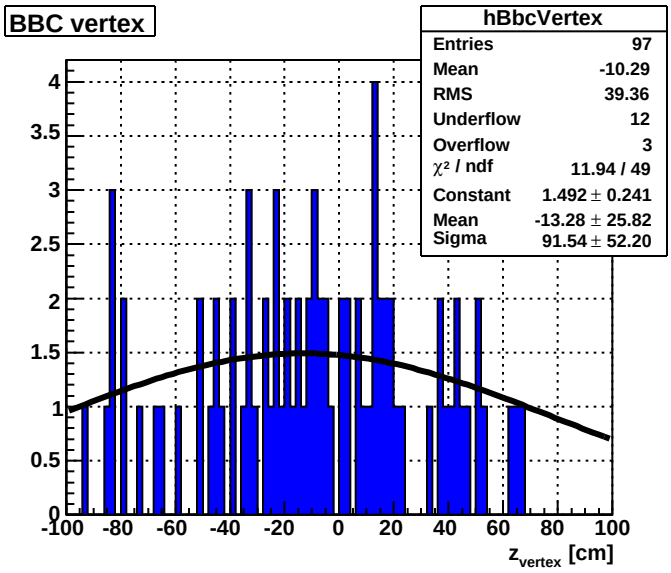

Tower Id1 1601-3200
hTowerId1b
Entries 38
Mean 2485
RMS 510.9
Underflow 0
Overflow 0
softId

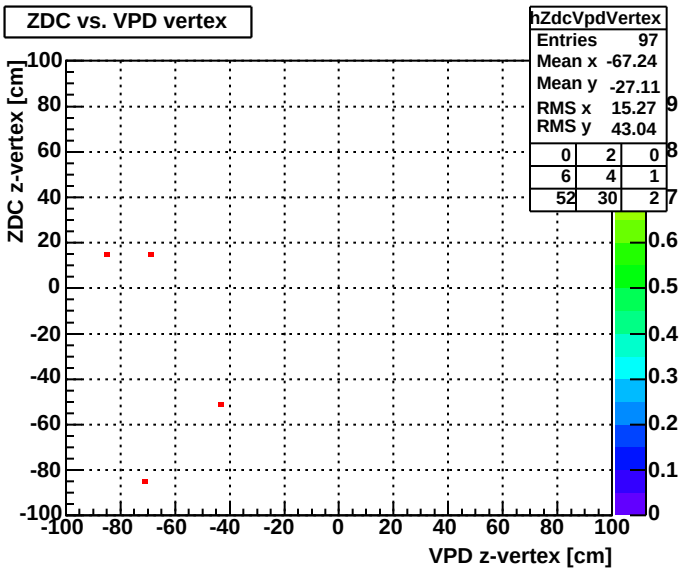

Tower Id2 1601-3200
hTowerId2b
Entries 27
Mean 2420
RMS 506.4
Underflow 0
Overflow 0
softId

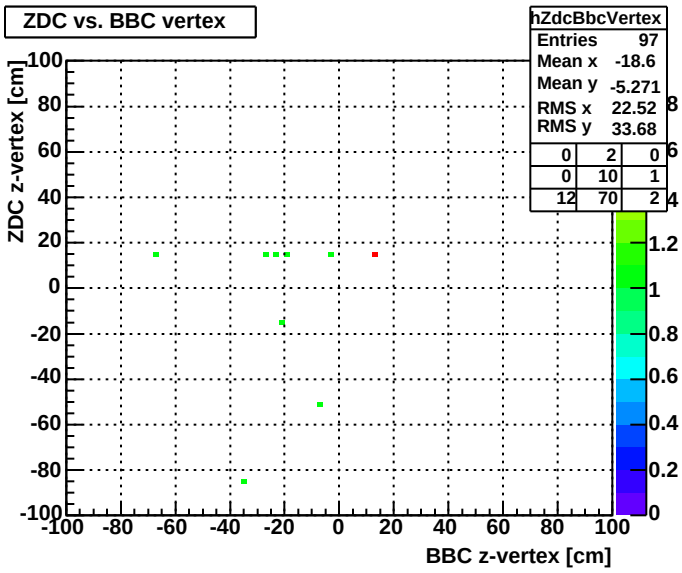

Tower Id1 3201-4800
hTowerId1c
Entries 24
Mean 4015
RMS 521.8
Underflow 0
Overflow 0
softId

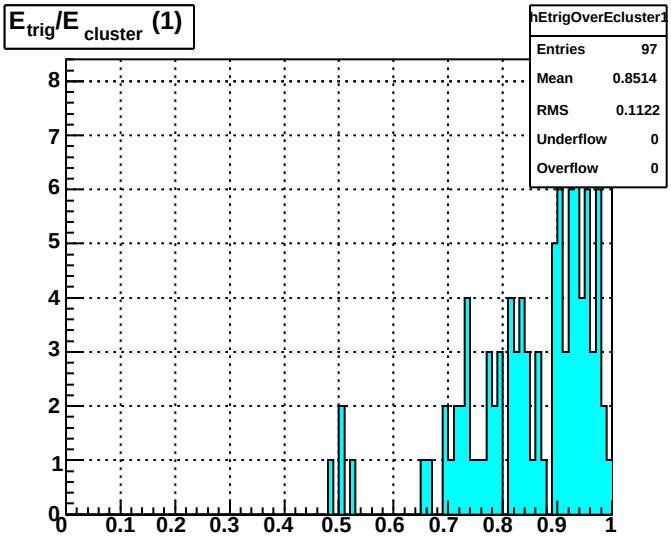

Tower Id2 3201-4800
hTowerId2c
Entries 33
Mean 4184
RMS 435.8
Underflow 0
Overflow 0
softId

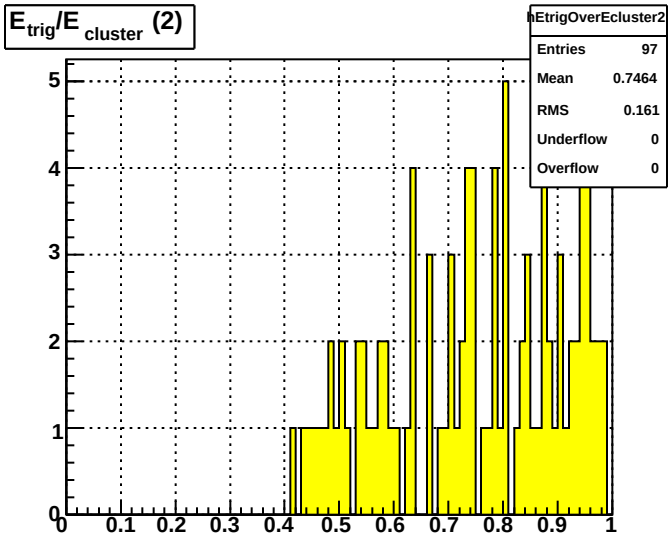

VPD vertex
hVpdVertex
Entries 97
Mean -32.67
RMS 49.82
Underflow 58
Overflow 3
χ² / ndf 6.284 / 23
Constant 1.243 ± 0.360
Mean -17.19 ± 64.80
Sigma 134.7 ± 158.8
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 97
Mean -10.29
RMS 39.36
Underflow 12
Overflow 3
χ² / ndf 11.94 / 49
Constant 1.492 ± 0.241
Mean -13.28 ± 25.82
Sigma 91.54 ± 52.20
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 97
Mean x -67.24
Mean y -27.11
RMS x 15.27
RMS y 43.04
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 97
Mean x -18.6
Mean y -5.271
RMS x 22.52
RMS y 33.68
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 97
Mean 0.8514
RMS 0.1122
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 97
Mean 0.7464
RMS 0.161
Underflow 0
Overflow 0