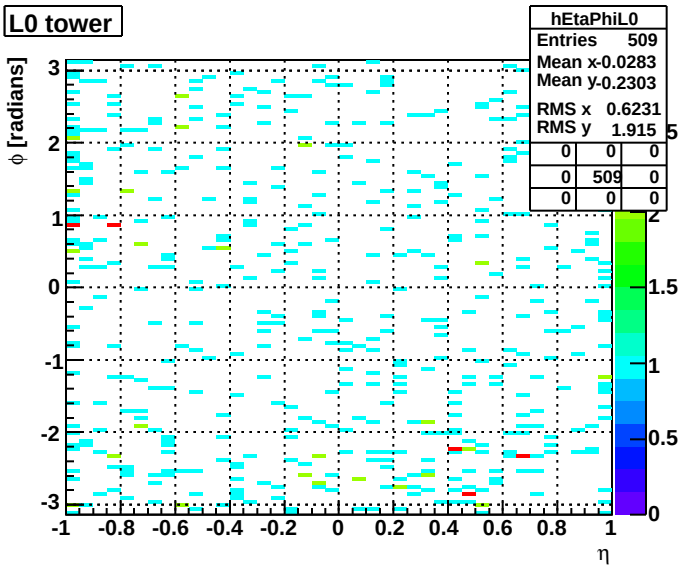
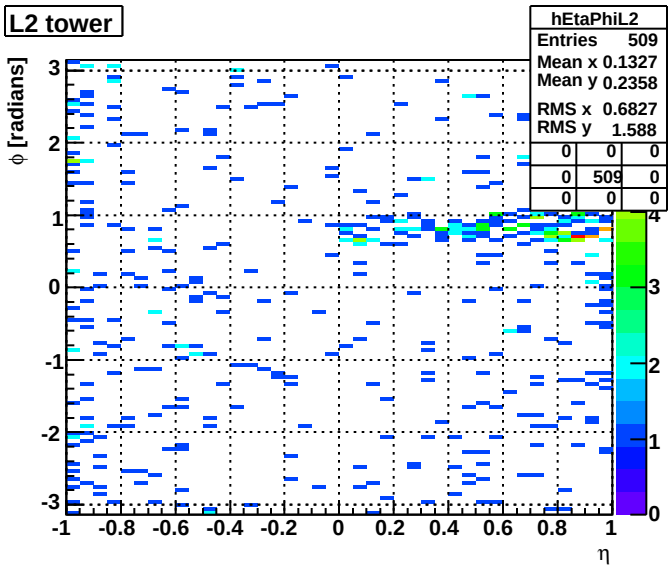
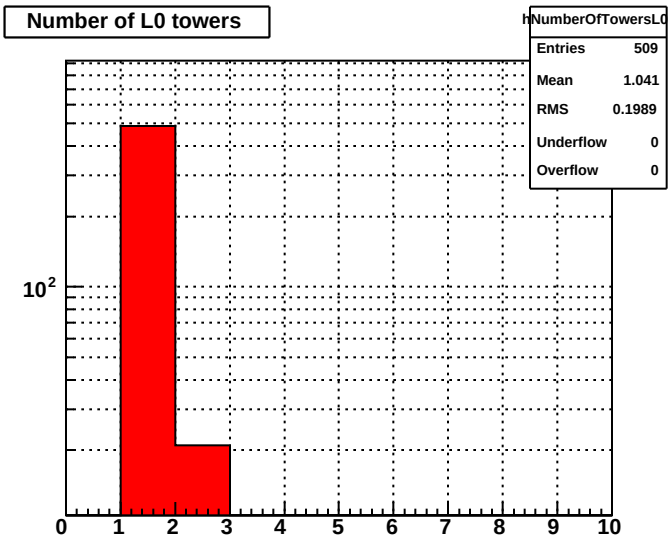
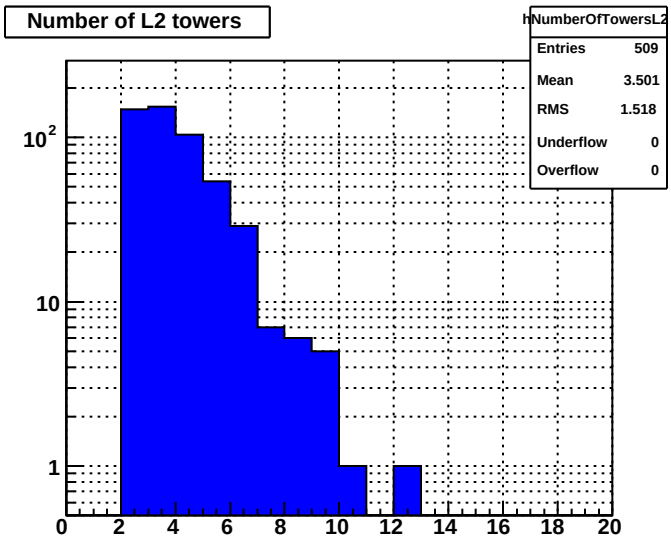
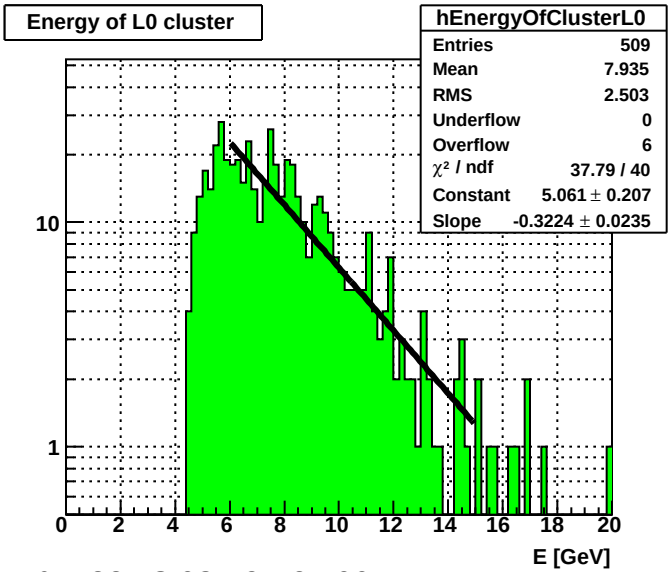
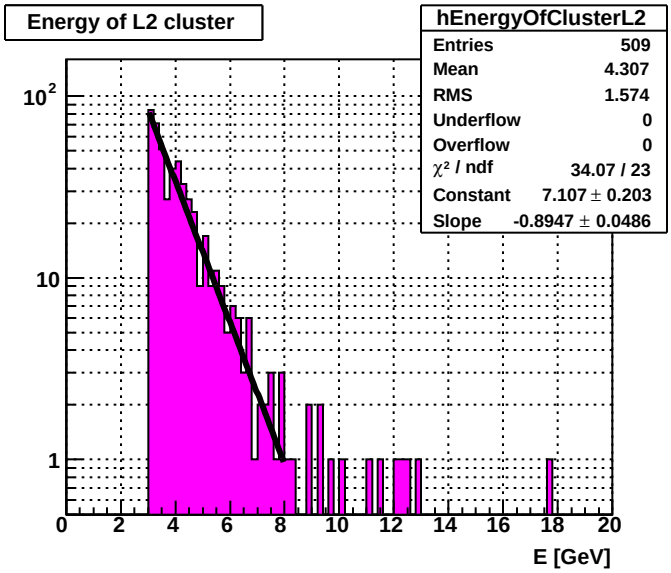

L0 tower
hEtaPhiL0
Entries 509
Mean x -0.0283
Mean y -0.2303
RMS x 0.6231
RMS y 1.915
φ [radians]
η

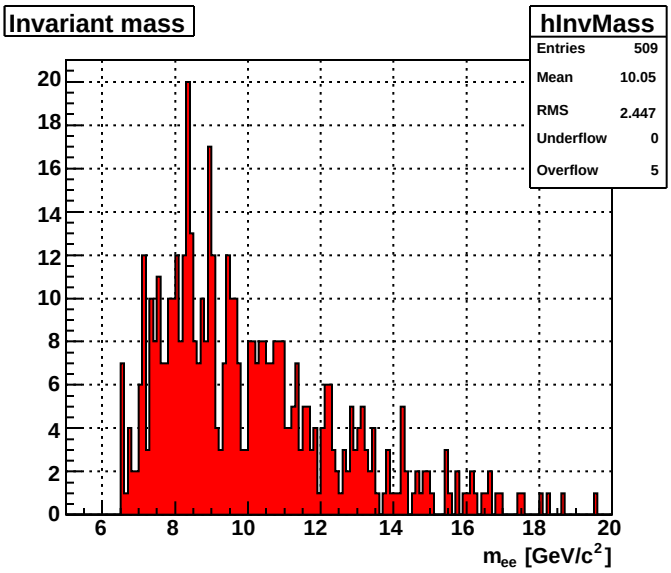

L2 tower
hEtaPhiL2
Entries 509
Mean x 0.1327
Mean y 0.2358
RMS x 0.6827
RMS y 1.588
φ [radians]
η

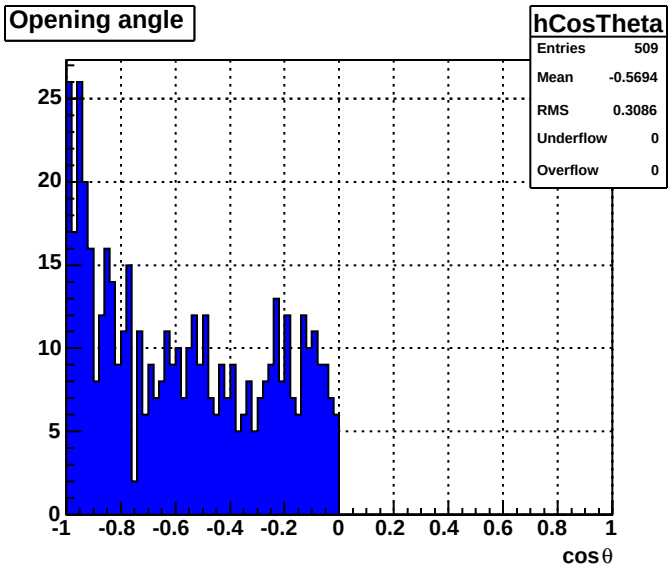

Number of L0 towers
hNumberOfTowersL0
Entries 509
Mean 1.041
RMS 0.1989
Underflow 0
Overflow 0

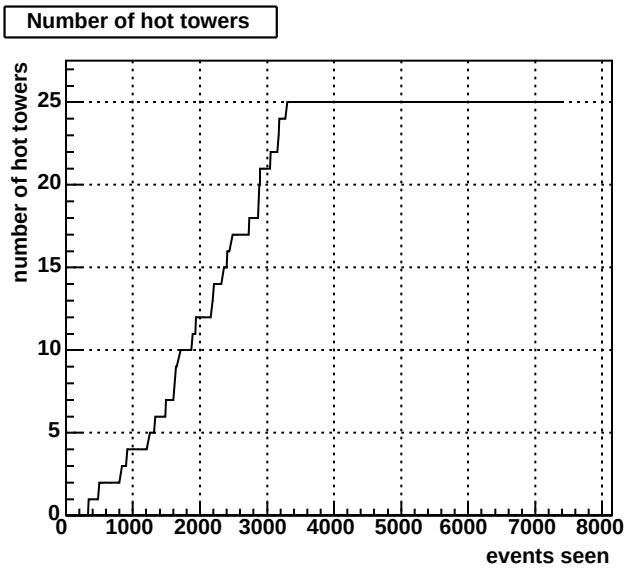

Number of L2 towers
hNumberOfTowersL2
Entries 509
Mean 3.501
RMS 1.518
Underflow 0
Overflow 0

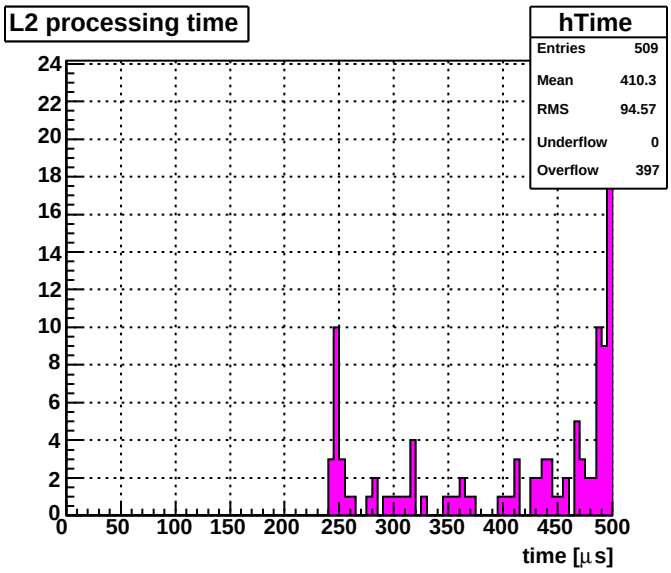

Energy of L0 cluster
hEnergyOfClusterL0
Entries 509
Mean 7.935
RMS 2.503
Underflow 0
Overflow 6
χ² / ndf 37.79 / 40
Constant 5.061 ± 0.207
Slope -0.3224 ± 0.0235
E [GeV]

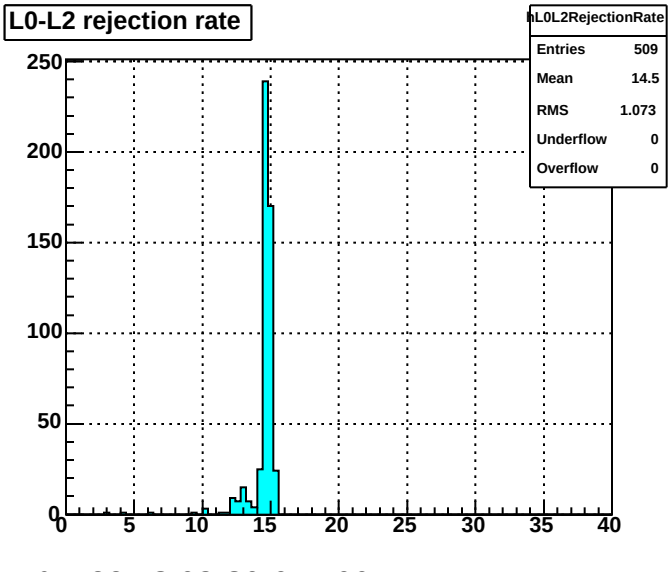

Energy of L2 cluster
hEnergyOfClusterL2
Entries 509
Mean 4.307
RMS 1.574
Underflow 0
Overflow 0
χ² / ndf 34.07 / 23
Constant 7.107 ± 0.203
Slope -0.8947 ± 0.0486
E [GeV]

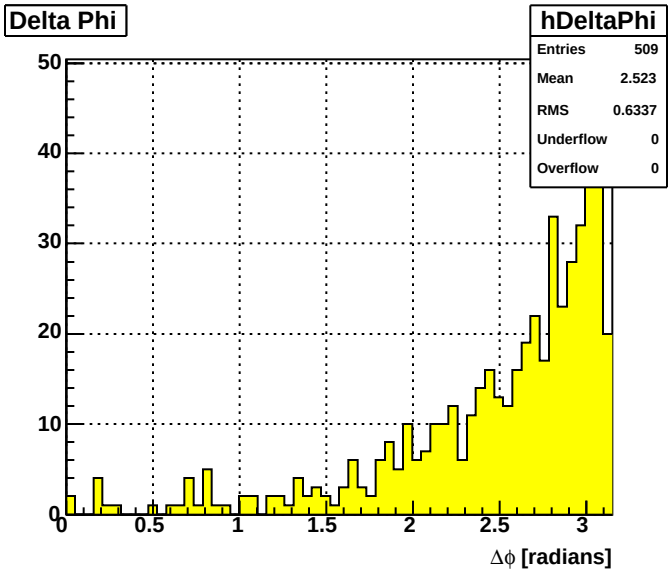

Invariant mass
hInvMass
Entries 509
Mean 10.05
RMS 2.447
Underflow 0
Overflow 5
m_{ee} [GeV/c^2]

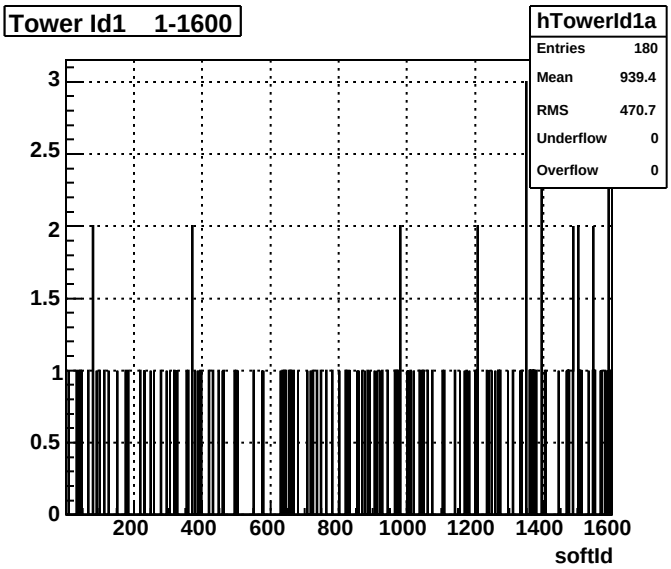

Opening angle
hCosTheta
Entries 509
Mean -0.5694
RMS 0.3086
Underflow 0
Overflow 0
cos θ

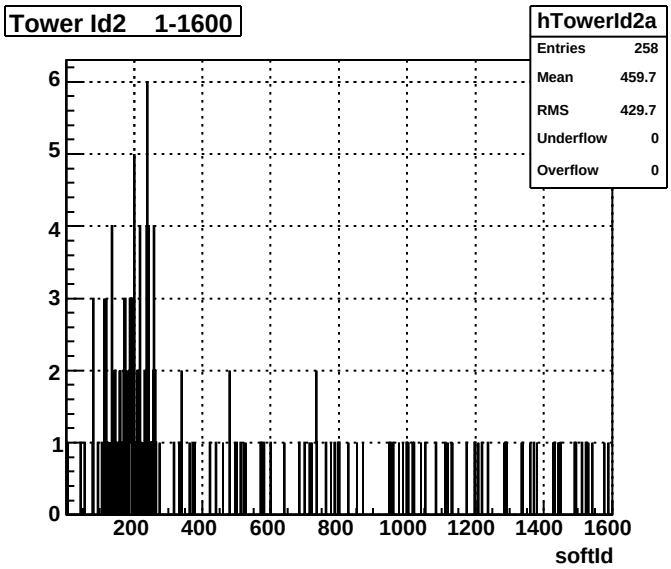

Number of hot towers
number of hot towers
events seen

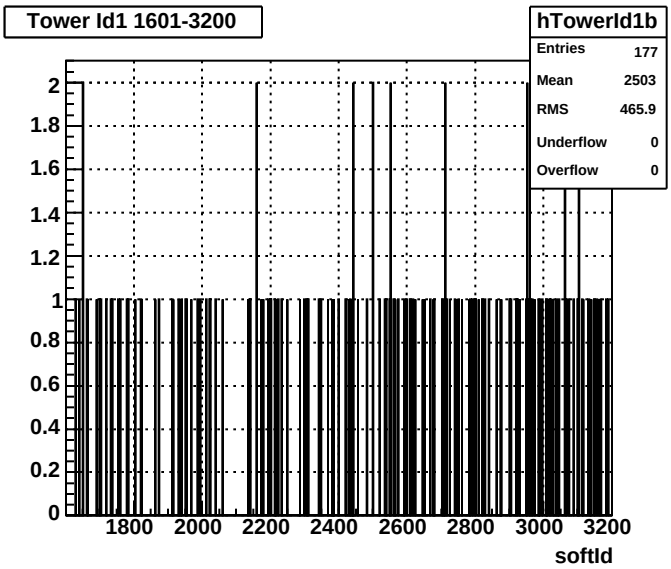

L2 processing time
hTime
Entries 509
Mean 410.3
RMS 94.57
Underflow 0
Overflow 397
time [μs]

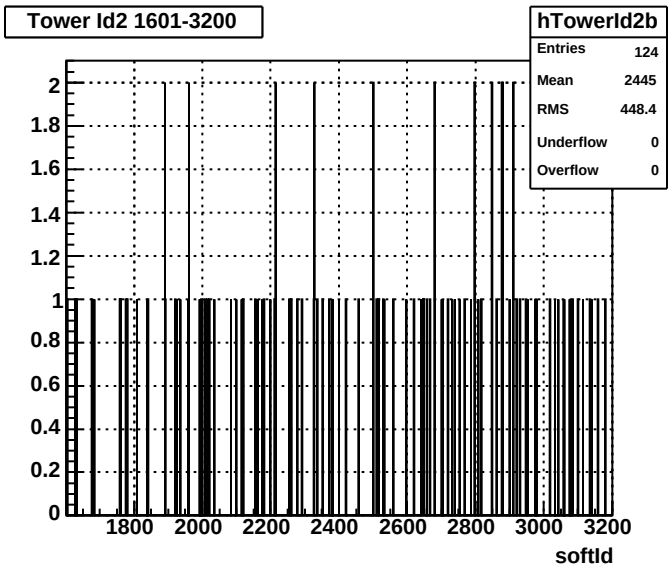

L0-L2 rejection rate
hL0L2RejectionRate
Entries 509
Mean 14.5
RMS 1.073
Underflow 0
Overflow 0

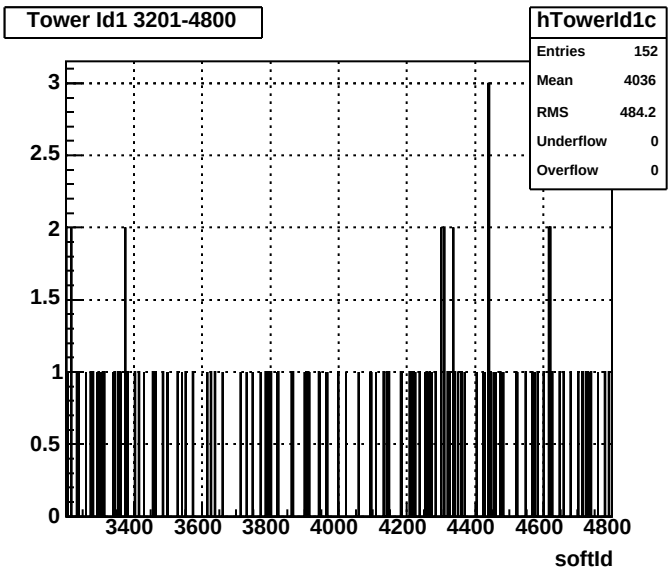

Delta Phi
hDeltaPhi
Entries 509
Mean 2.523
RMS 0.6337
Underflow 0
Overflow 0
Δφ [radians]

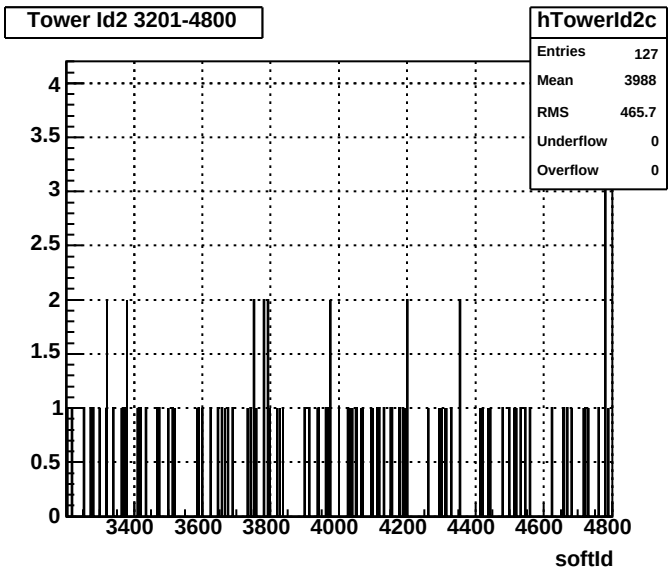

Tower Id1 1-1600
hTowerId1a
Entries 180
Mean 939.4
RMS 470.7
Underflow 0
Overflow 0
softId

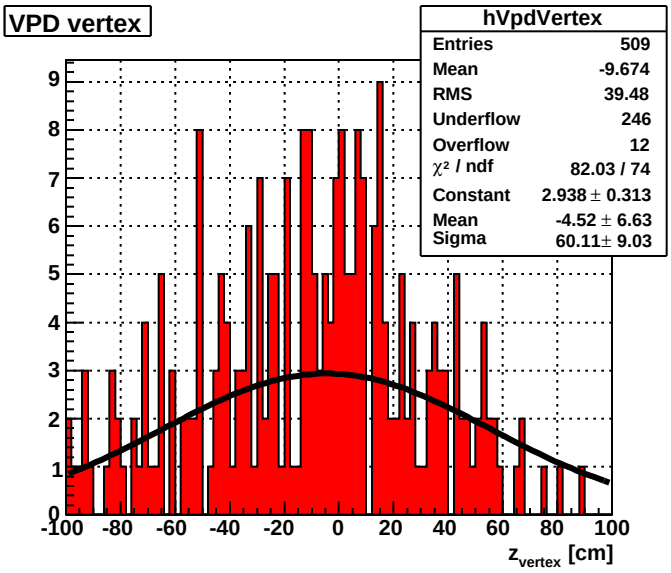

Tower Id2 1-1600
hTowerId2a
Entries 258
Mean 459.7
RMS 429.7
Underflow 0
Overflow 0
softId

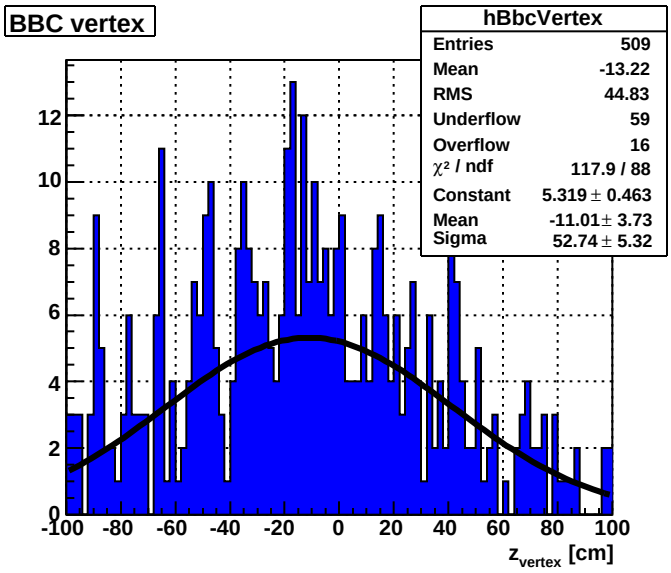

Tower Id1 1601-3200
hTowerId1b
Entries 177
Mean 2503
RMS 465.9
Underflow 0
Overflow 0
softId

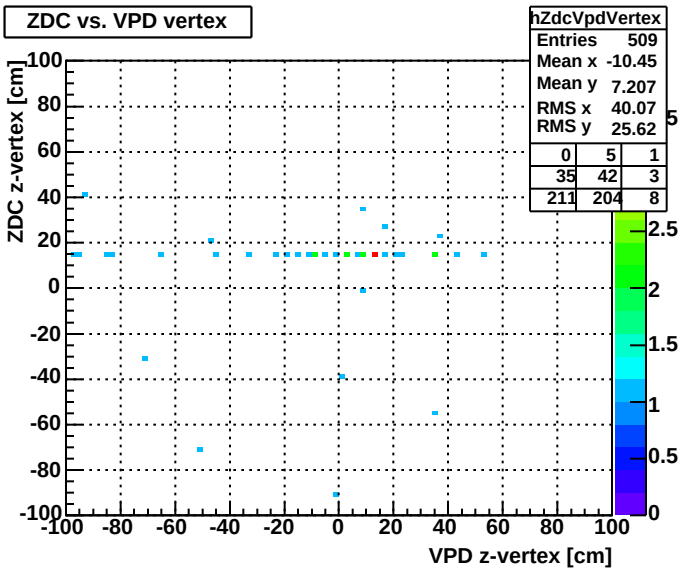

Tower Id2 1601-3200
hTowerId2b
Entries 124
Mean 2445
RMS 448.4
Underflow 0
Overflow 0
softId

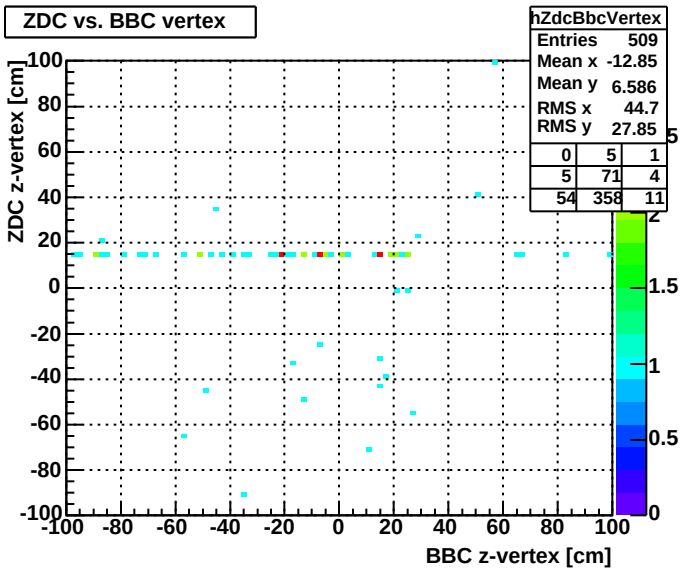

Tower Id1 3201-4800
hTowerId1c
Entries 152
Mean 4036
RMS 484.2
Underflow 0
Overflow 0
softId

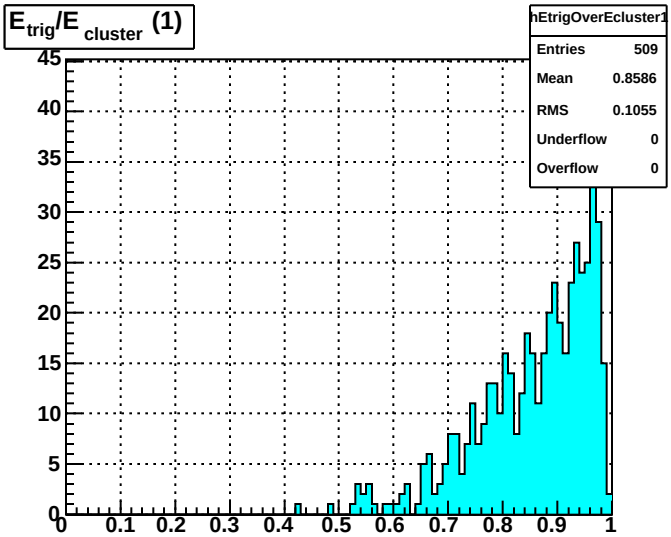

Tower Id2 3201-4800
hTowerId2c
Entries 127
Mean 3988
RMS 465.7
Underflow 0
Overflow 0
softId

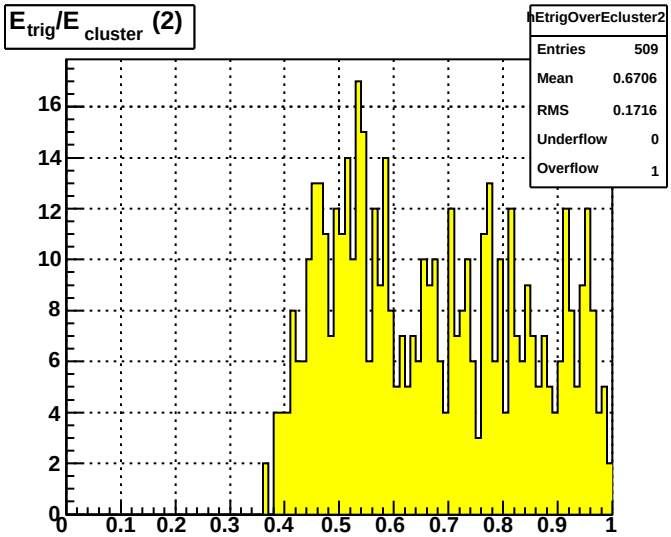

VPD vertex
hVpdVertex
Entries 509
Mean -9.674
RMS 39.48
Underflow 246
Overflow 12
χ² / ndf 82.03 / 74
Constant 2.938 ± 0.313
Mean -4.52 ± 6.63
Sigma 60.11 ± 9.03
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 509
Mean -13.22
RMS 44.83
Underflow 59
Overflow 16
χ² / ndf 117.9 / 88
Constant 5.319 ± 0.463
Mean -11.01 ± 3.73
Sigma 52.74 ± 5.32
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 509
Mean x -10.45
Mean y 7.207
RMS x 40.07
RMS y 25.62
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 509
Mean x -12.85
Mean y 6.586
RMS x 44.7
RMS y 27.85
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 509
Mean 0.8586
RMS 0.1055
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 509
Mean 0.6706
RMS 0.1716
Underflow 0
Overflow 1