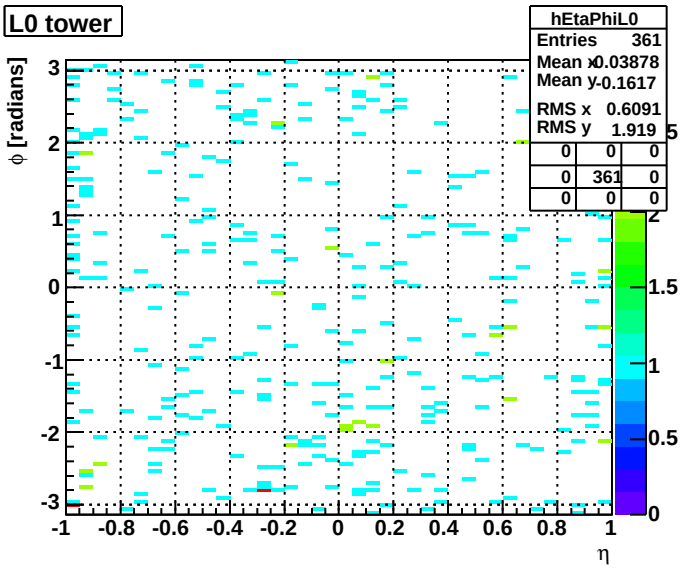
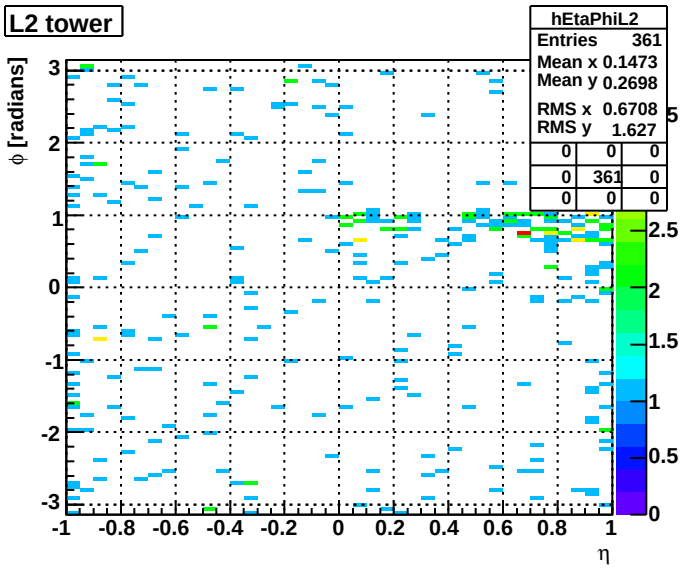
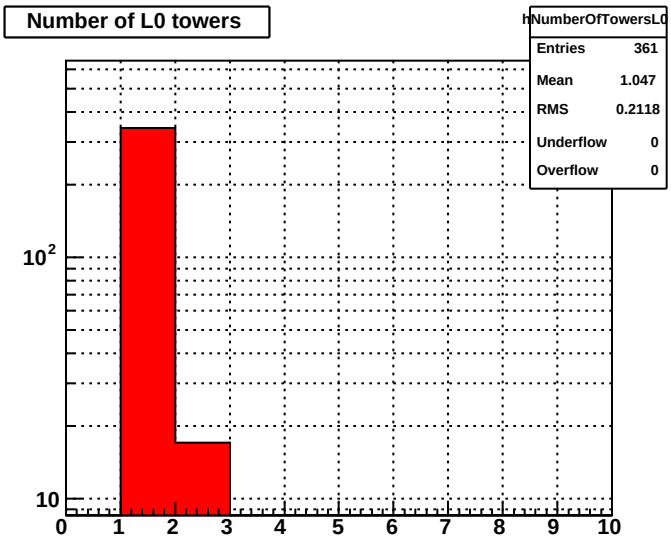
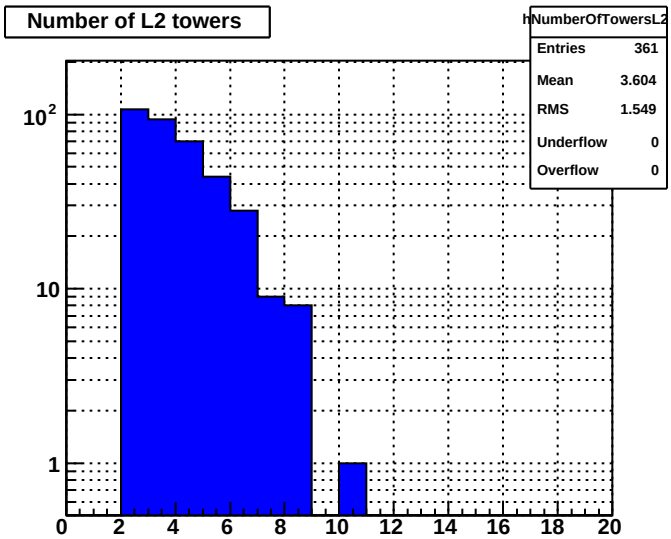
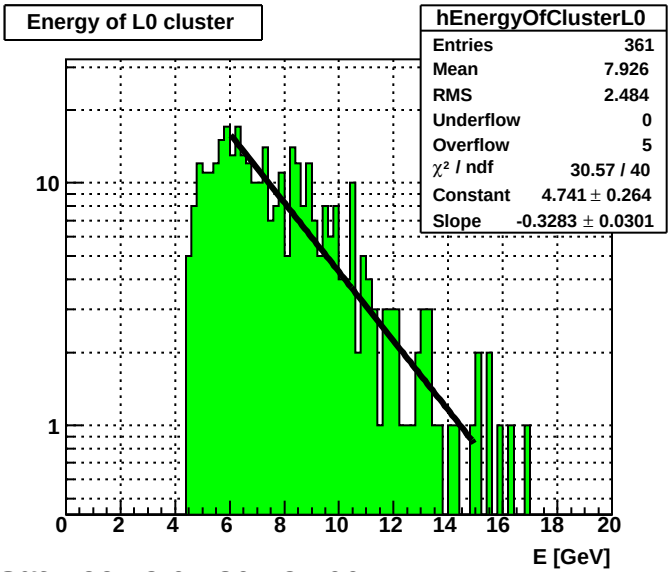
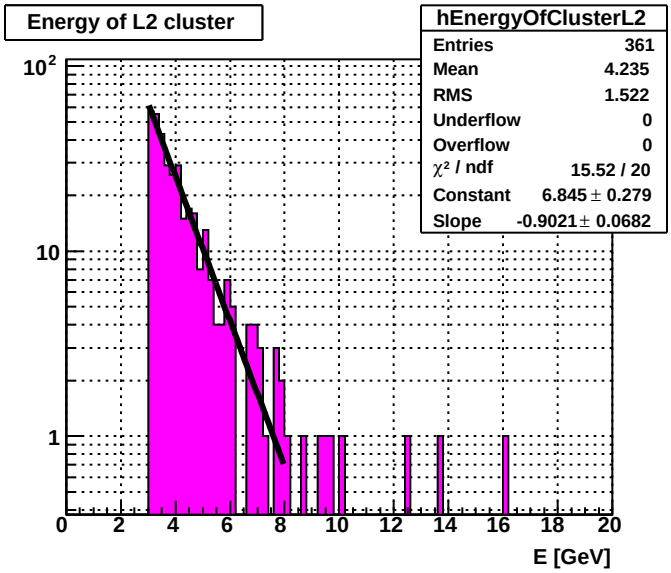

L0 tower
hEtaPhiL0
Entries 361
Mean x 0.03878
Mean y -0.1617
RMS x 0.6091
RMS y 1.919
φ [radians]
η

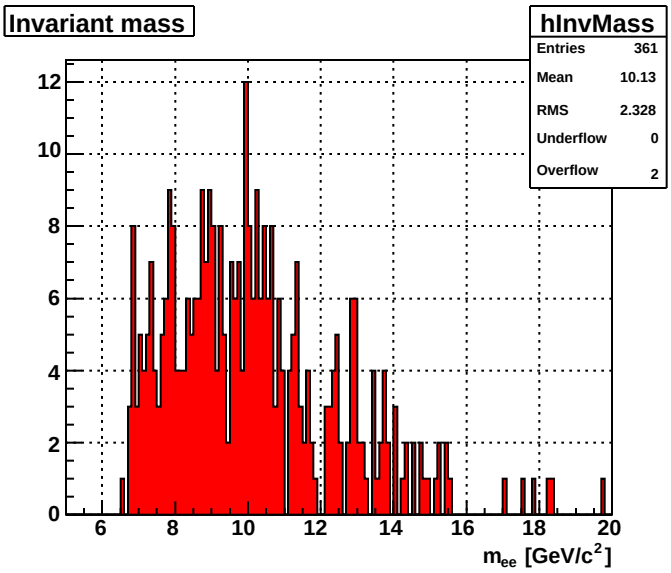

L2 tower
hEtaPhiL2
Entries 361
Mean x 0.1473
Mean y 0.2698
RMS x 0.6708
RMS y 1.627
φ [radians]
η

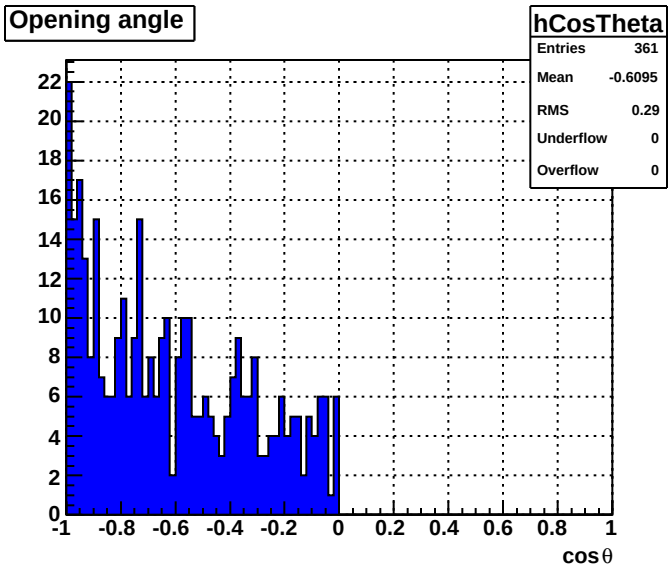

Number of L0 towers
hNumberOfTowersL0
Entries 361
Mean 1.047
RMS 0.2118
Underflow 0
Overflow 0

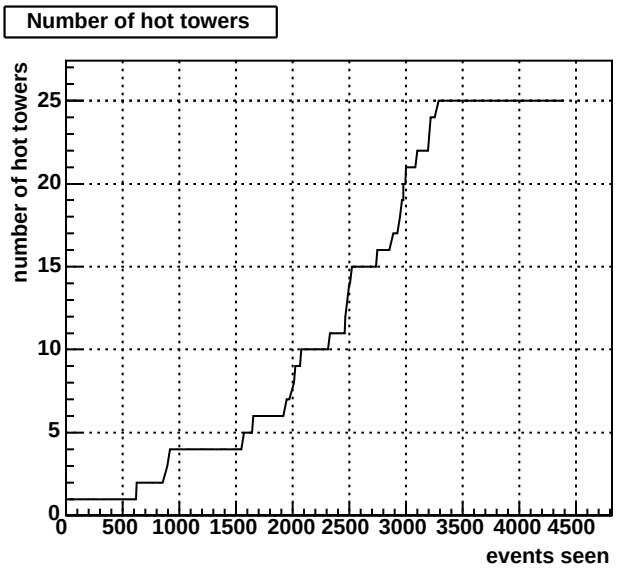

Number of L2 towers
hNumberOfTowersL2
Entries 361
Mean 3.604
RMS 1.549
Underflow 0
Overflow 0

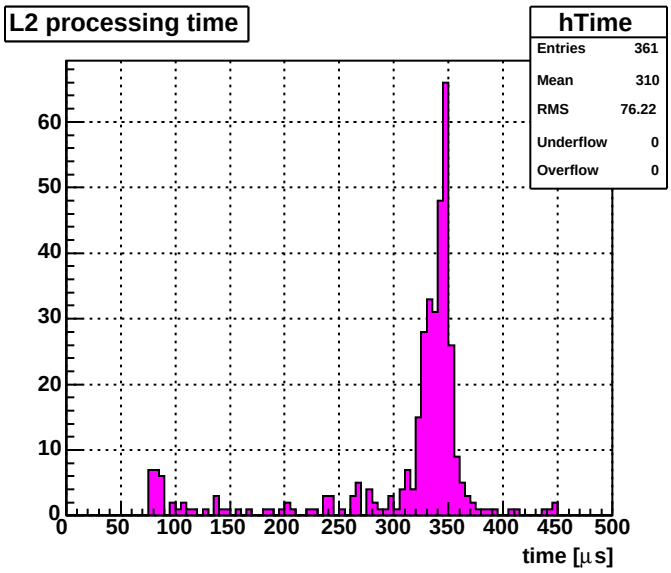

Energy of L0 cluster
hEnergyOfClusterL0
Entries 361
Mean 7.926
RMS 2.484
Underflow 0
Overflow 5
χ² / ndf 30.57 / 40
Constant 4.741 ± 0.264
Slope -0.3283 ± 0.0301
E [GeV]

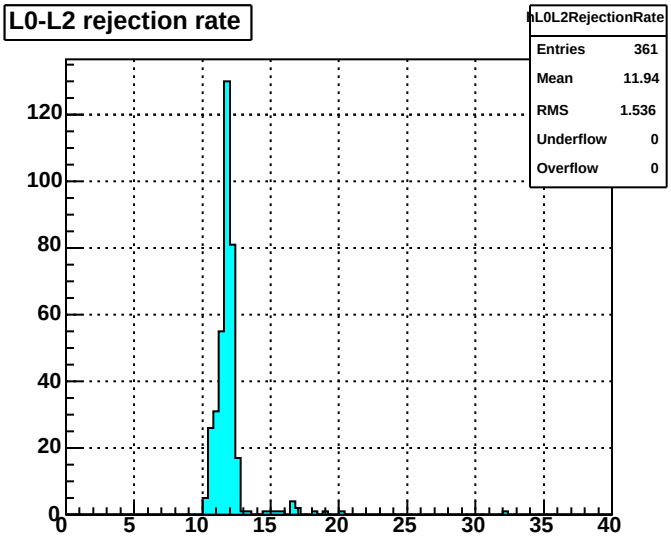

Energy of L2 cluster
hEnergyOfClusterL2
Entries 361
Mean 4.235
RMS 1.522
Underflow 0
Overflow 0
χ² / ndf 15.52 / 20
Constant 6.845 ± 0.279
Slope -0.9021 ± 0.0682
E [GeV]

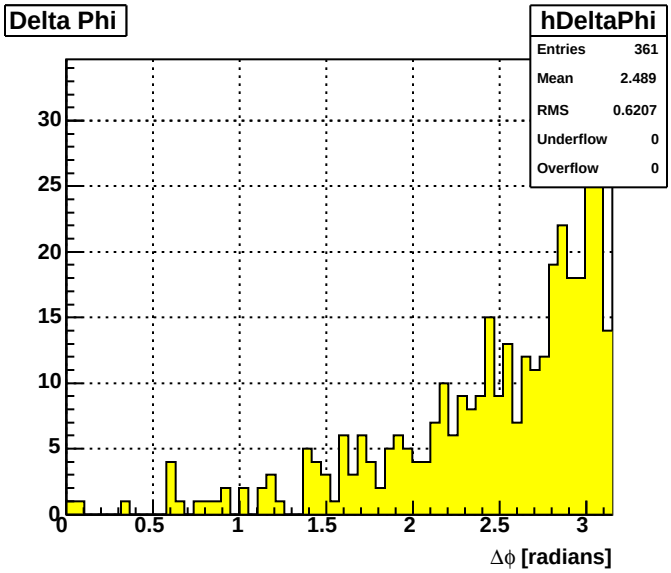

Invariant mass
hInvMass
Entries 361
Mean 10.13
RMS 2.328
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

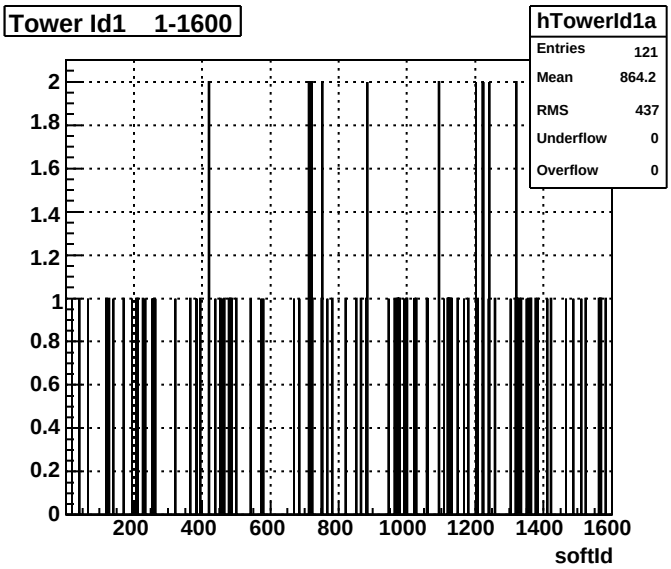

Opening angle
hCosTheta
Entries 361
Mean -0.6095
RMS 0.29
Underflow 0
Overflow 0
cos θ

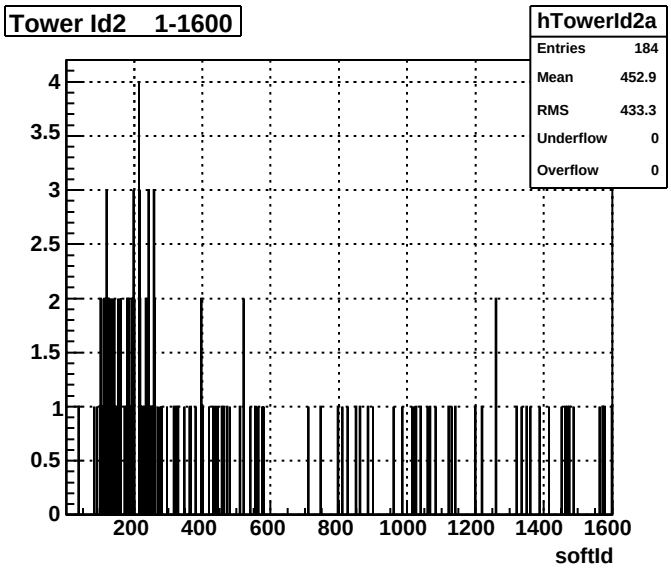

Number of hot towers
number of hot towers
events seen

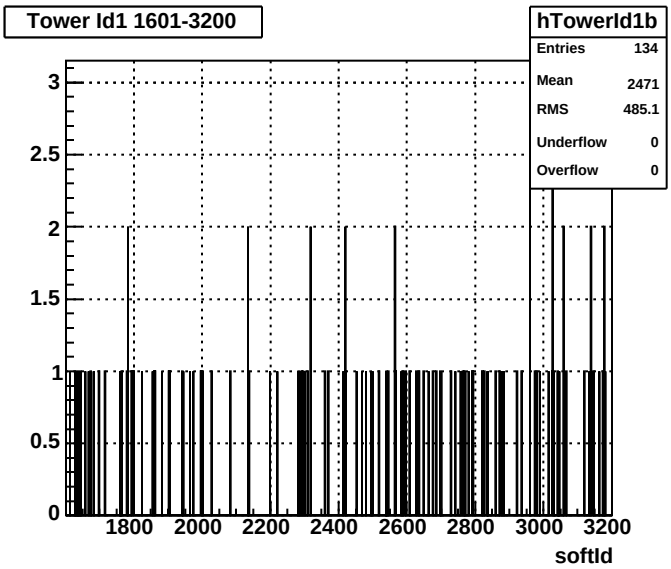

L2 processing time
hTime
Entries 361
Mean 310
RMS 76.22
Underflow 0
Overflow 0
time [μs]

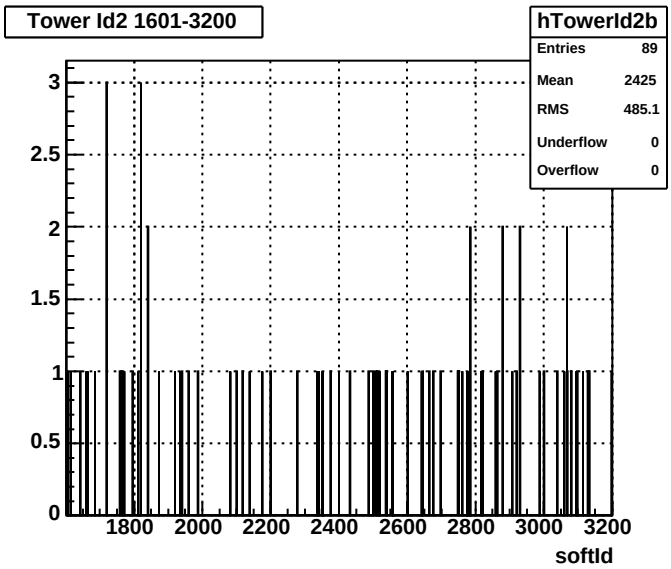

L0-L2 rejection rate
hL0L2RejectionRate
Entries 361
Mean 11.94
RMS 1.536
Underflow 0
Overflow 0

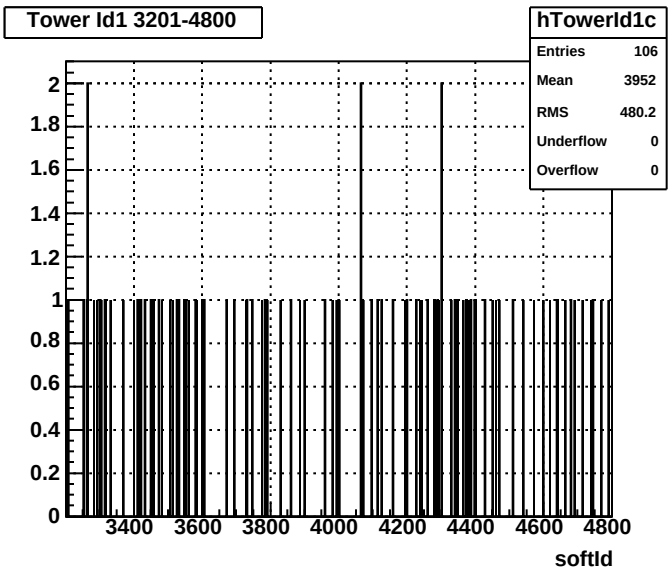

Delta Phi
hDeltaPhi
Entries 361
Mean 2.489
RMS 0.6207
Underflow 0
Overflow 0
Δφ [radians]

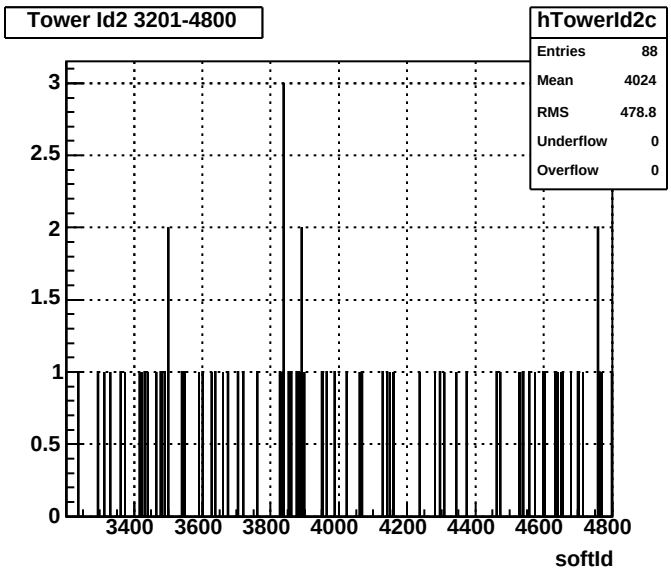

Tower Id1 1-1600
hTowerId1a
Entries 121
Mean 864.2
RMS 437
Underflow 0
Overflow 0
softId

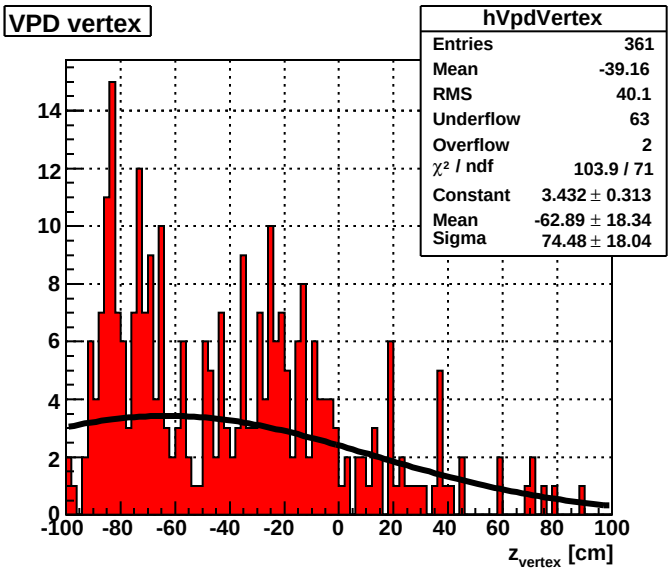

Tower Id2 1-1600
hTowerId2a
Entries 184
Mean 452.9
RMS 433.3
Underflow 0
Overflow 0
softId

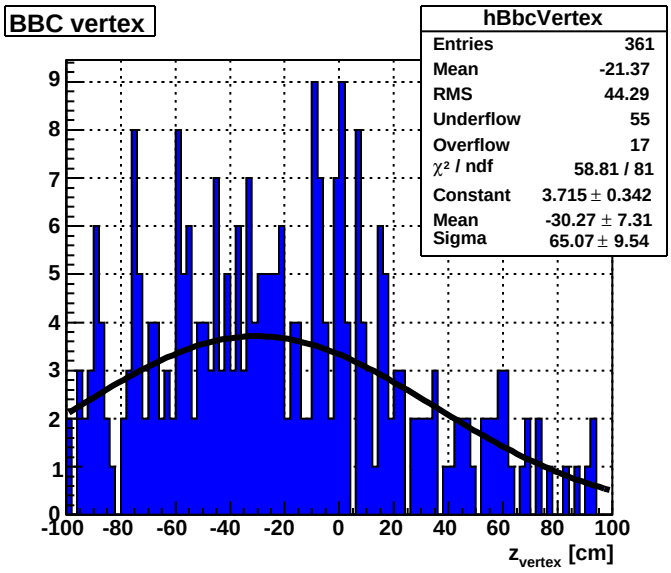

Tower Id1 1601-3200
hTowerId1b
Entries 134
Mean 2471
RMS 485.1
Underflow 0
Overflow 0
softId

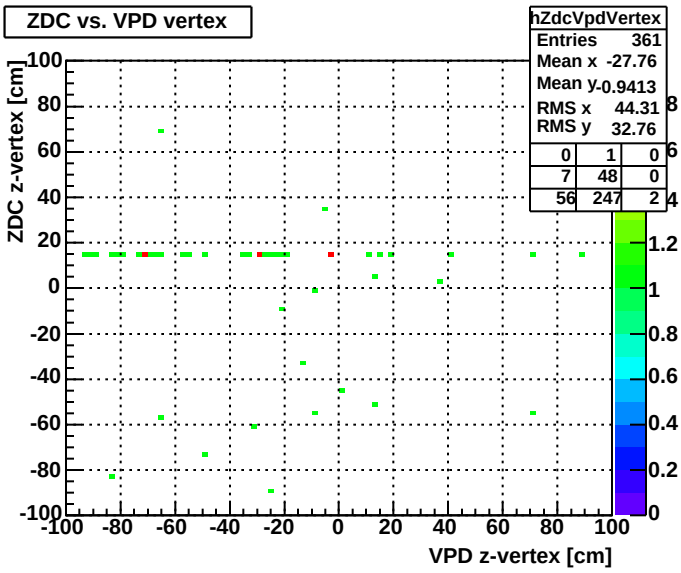

Tower Id2 1601-3200
hTowerId2b
Entries 89
Mean 2425
RMS 485.1
Underflow 0
Overflow 0
softId

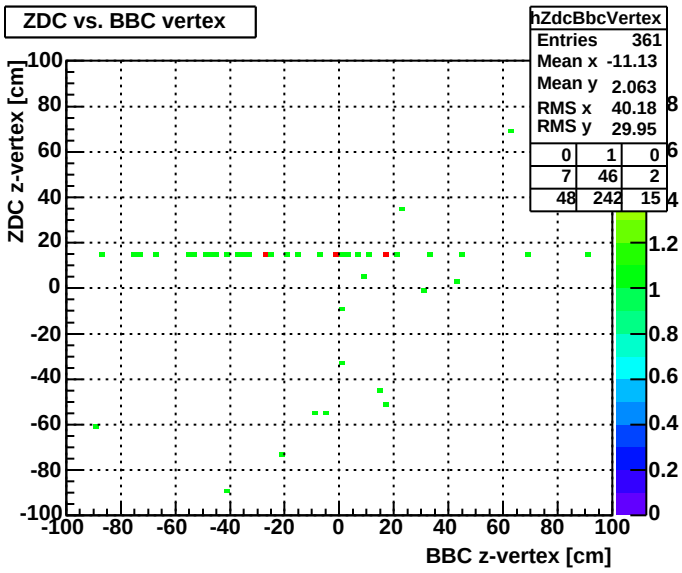

Tower Id1 3201-4800
hTowerId1c
Entries 106
Mean 3952
RMS 480.2
Underflow 0
Overflow 0
softId

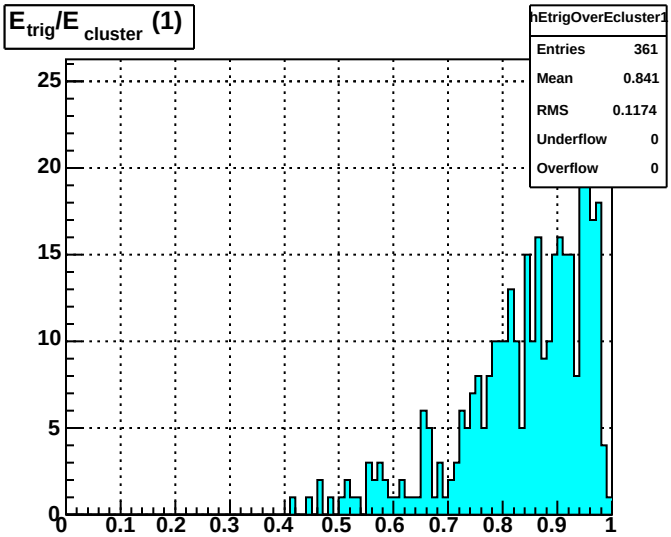

Tower Id2 3201-4800
hTowerId2c
Entries 88
Mean 4024
RMS 478.8
Underflow 0
Overflow 0
softId

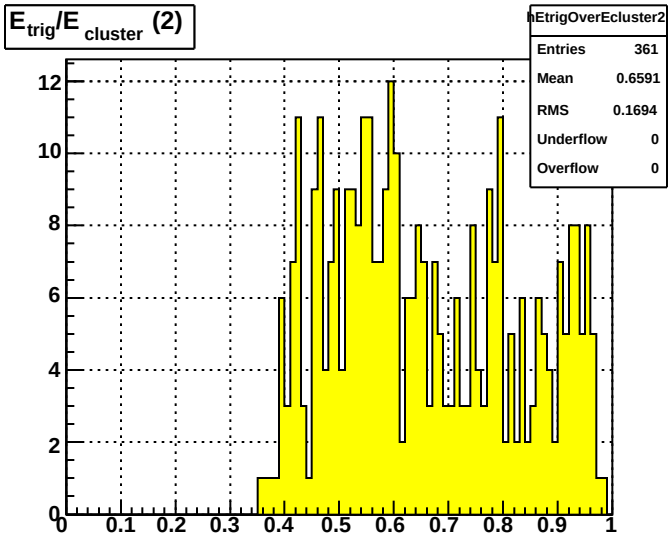

VPD vertex
hVpdVertex
Entries 361
Mean -39.16
RMS 40.1
Underflow 63
Overflow 2
χ² / ndf 103.9 / 71
Constant 3.432 ± 0.313
Mean -62.89 ± 18.34
Sigma 74.48 ± 18.04
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 361
Mean -21.37
RMS 44.29
Underflow 55
Overflow 17
χ² / ndf 58.81 / 81
Constant 3.715 ± 0.342
Mean -30.27 ± 7.31
Sigma 65.07 ± 9.54
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 361
Mean x -27.76
Mean y -0.9413
RMS x 44.31
RMS y 32.76
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 361
Mean x -11.13
Mean y 2.063
RMS x 40.18
RMS y 29.95
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 361
Mean 0.841
RMS 0.1174
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 361
Mean 0.6591
RMS 0.1694
Underflow 0
Overflow 0