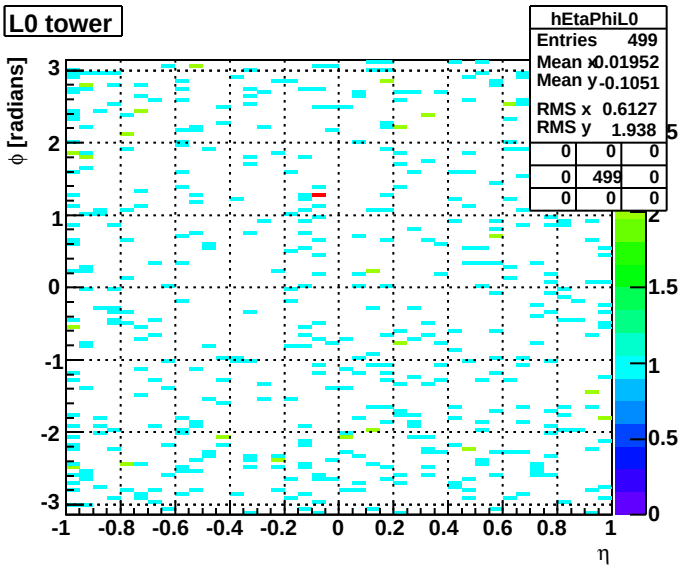
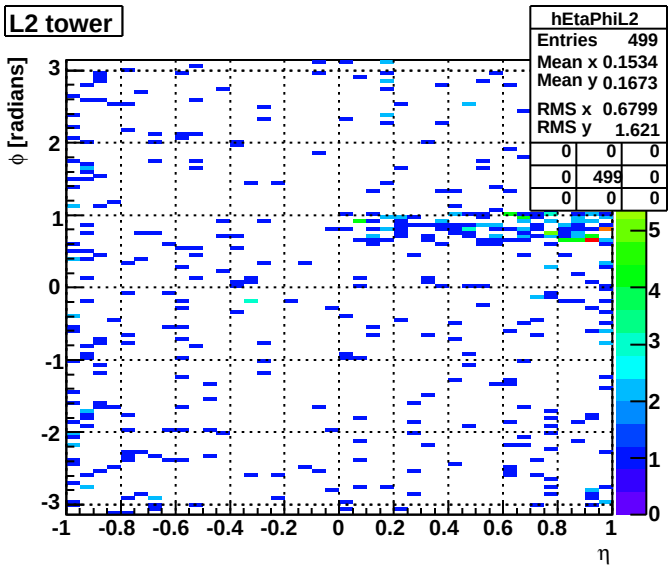
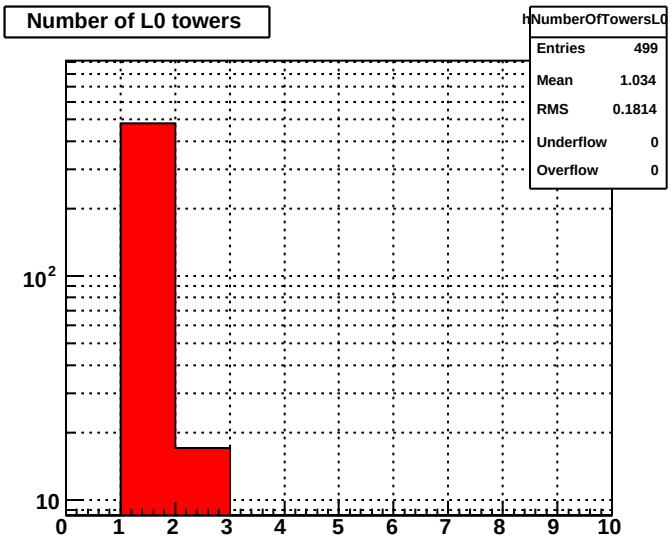
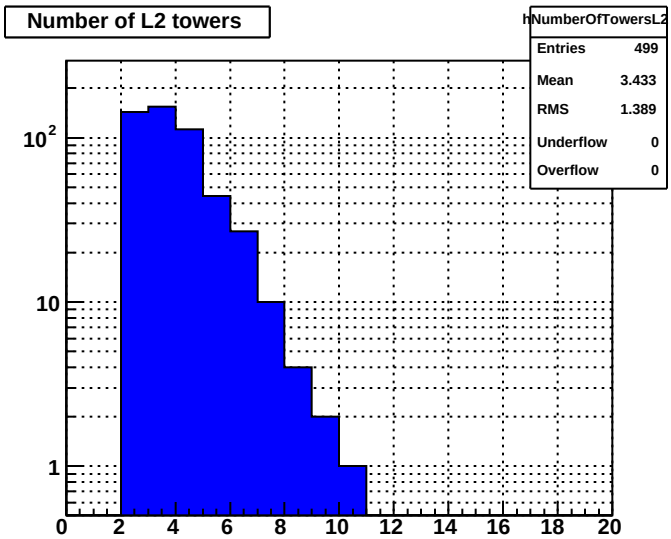
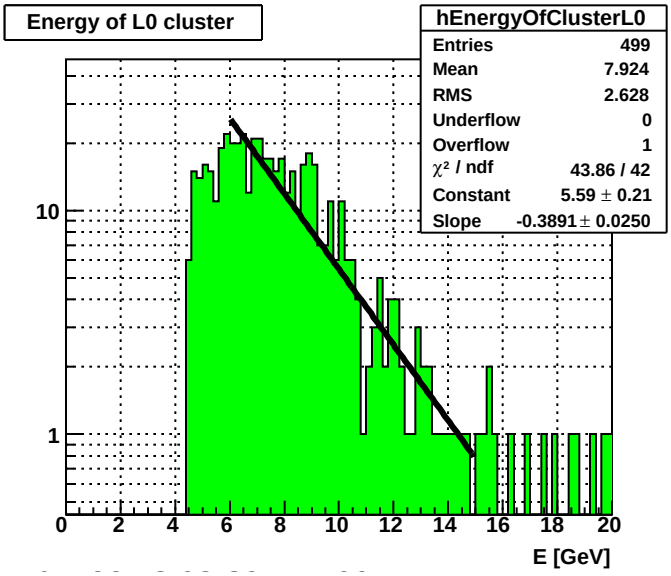
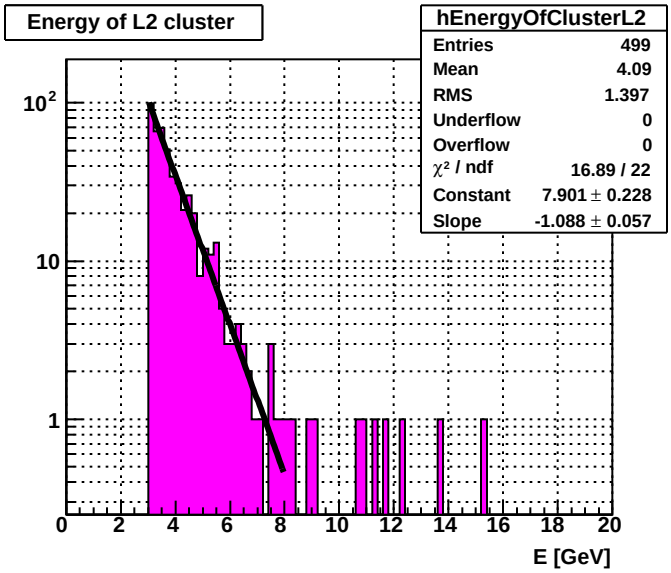

L0 tower
hEtaPhiL0
Entries 499
Mean x 0.01952
Mean y -0.1051
RMS x 0.6127
RMS y 1.938
φ [radians]
η

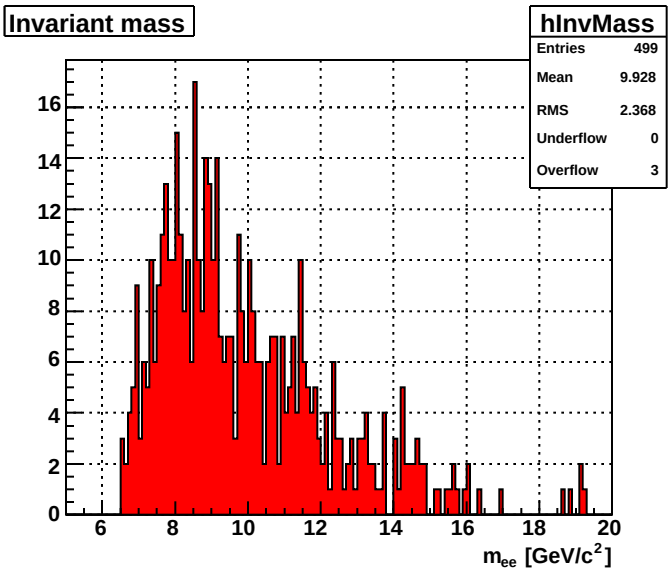

L2 tower
hEtaPhiL2
Entries 499
Mean x 0.1534
Mean y 0.1673
RMS x 0.6799
RMS y 1.621
φ [radians]
η

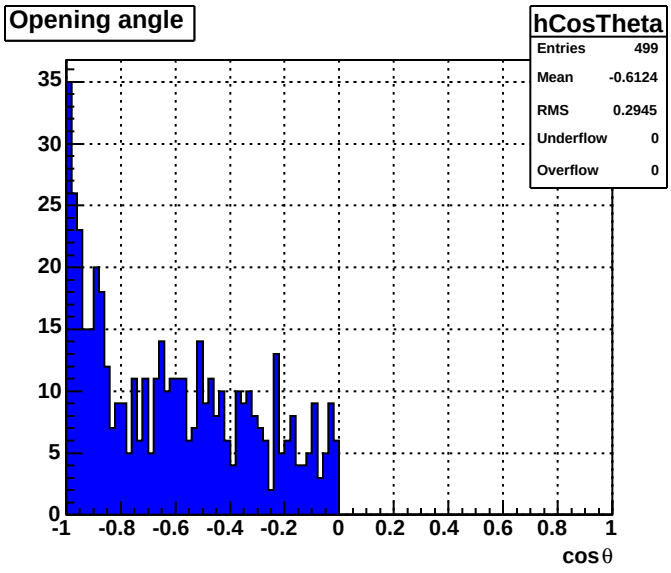

Number of L0 towers
hNumberOfTowersL0
Entries 499
Mean 1.034
RMS 0.1814
Underflow 0
Overflow 0

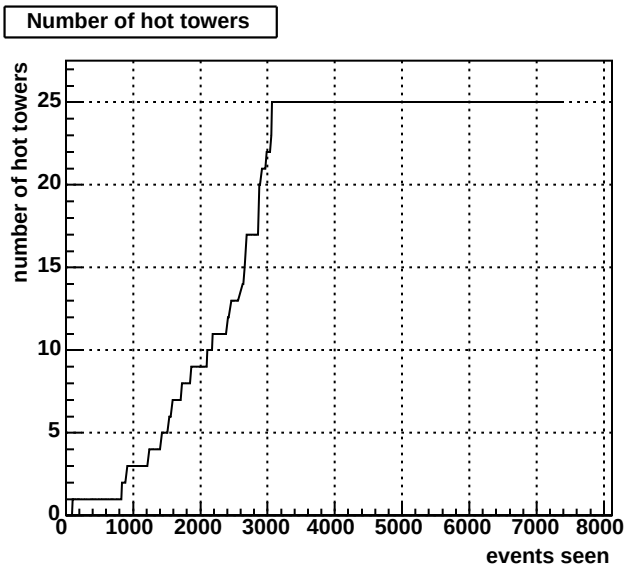

Number of L2 towers
hNumberOfTowersL2
Entries 499
Mean 3.433
RMS 1.389
Underflow 0
Overflow 0

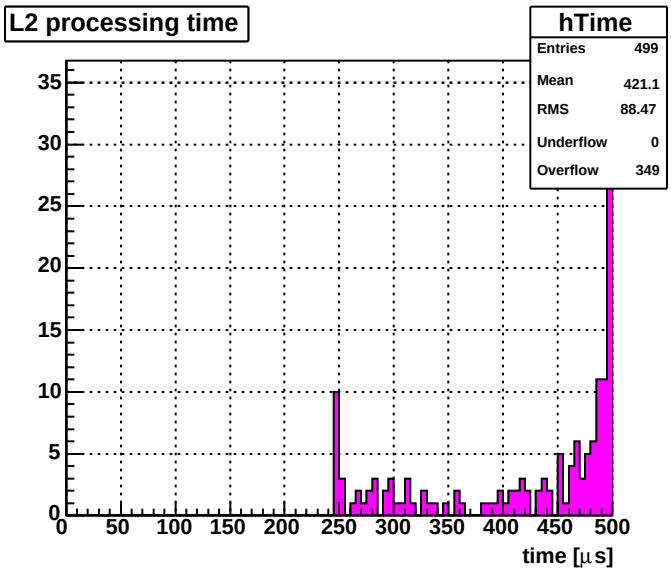

Energy of L0 cluster
hEnergyOfClusterL0
Entries 499
Mean 7.924
RMS 2.628
Underflow 0
Overflow 1
χ² / ndf 43.86 / 42
Constant 5.59 ± 0.21
Slope -0.3891 ± 0.0250
E [GeV]

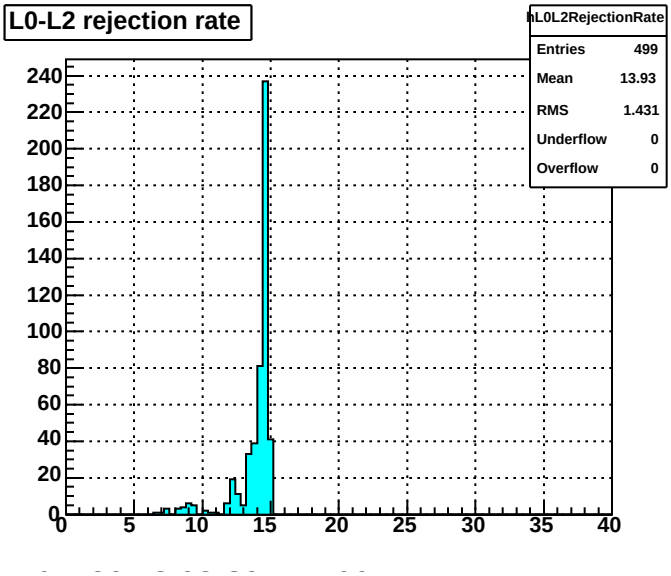

Energy of L2 cluster
hEnergyOfClusterL2
Entries 499
Mean 4.09
RMS 1.397
Underflow 0
Overflow 0
χ² / ndf 16.89 / 22
Constant 7.901 ± 0.228
Slope -1.088 ± 0.057
E [GeV]

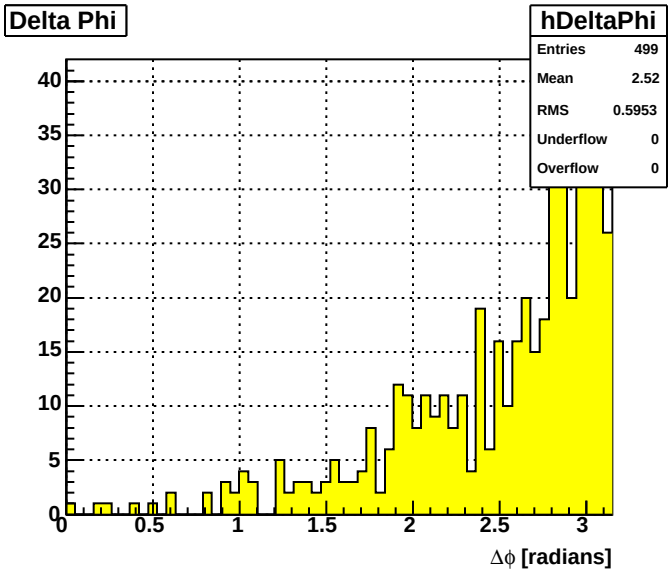

Invariant mass
hInvMass
Entries 499
Mean 9.928
RMS 2.368
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

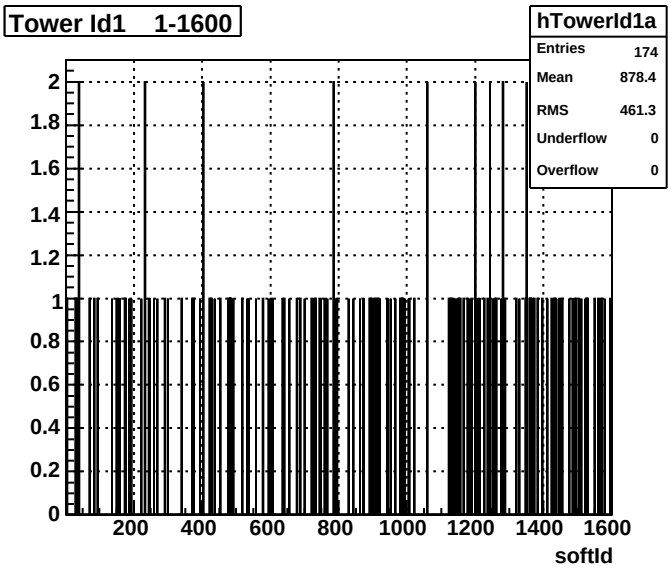

Opening angle
hCosTheta
Entries 499
Mean -0.6124
RMS 0.2945
Underflow 0
Overflow 0
cos θ

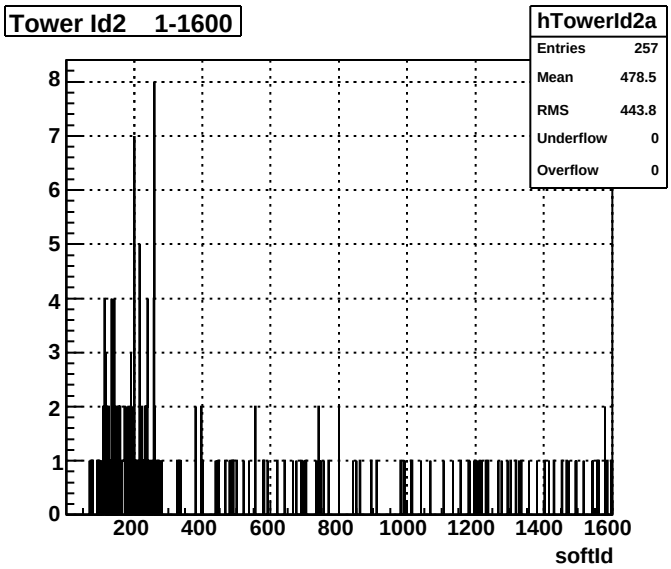

Number of hot towers
number of hot towers
events seen

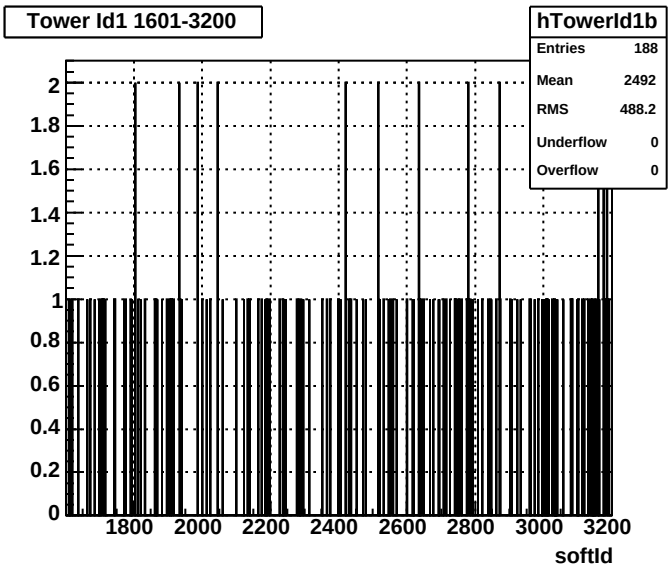

L2 processing time
hTime
Entries 499
Mean 421.1
RMS 88.47
Underflow 0
Overflow 349
time [μs]

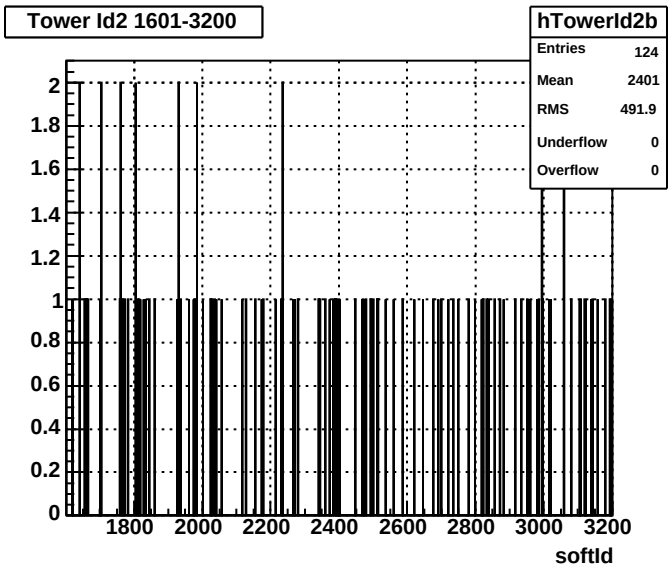

L0-L2 rejection rate
hL0L2RejectionRate
Entries 499
Mean 13.93
RMS 1.431
Underflow 0
Overflow 0

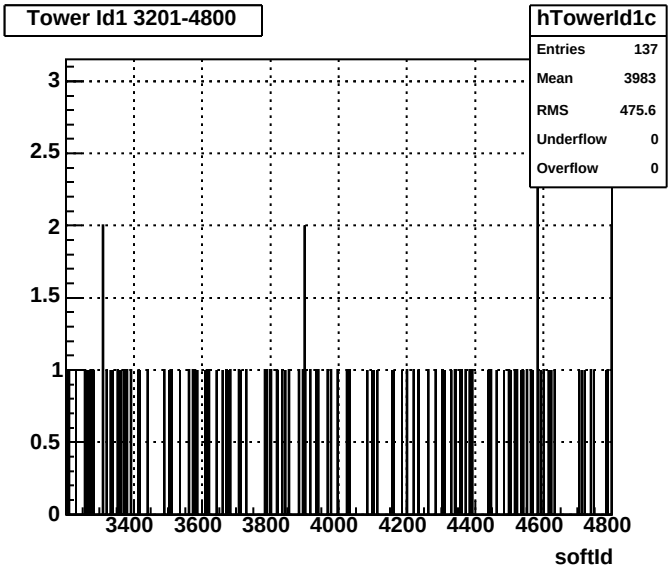

Delta Phi
hDeltaPhi
Entries 499
Mean 2.52
RMS 0.5953
Underflow 0
Overflow 0
Δφ [radians]

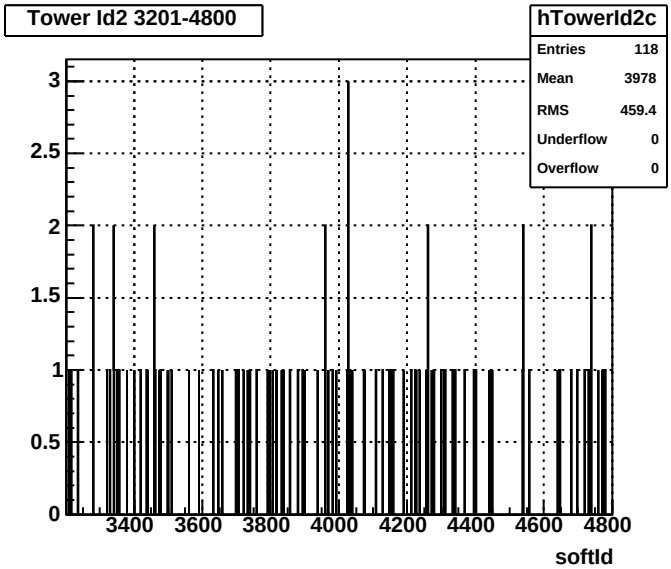

Tower Id1 1-1600
hTowerId1a
Entries 174
Mean 878.4
RMS 461.3
Underflow 0
Overflow 0
softId

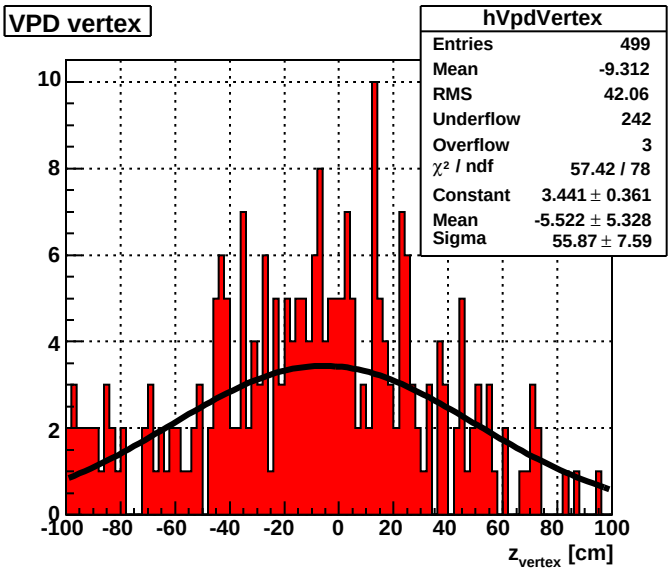

Tower Id2 1-1600
hTowerId2a
Entries 257
Mean 478.5
RMS 443.8
Underflow 0
Overflow 0
softId

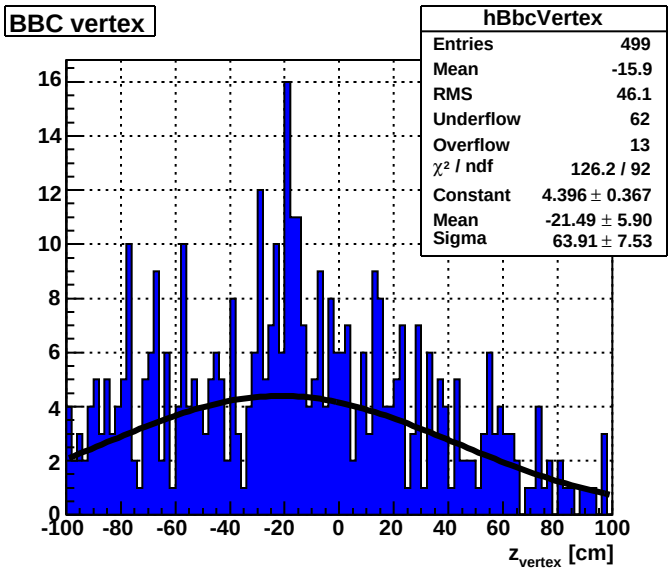

Tower Id1 1601-3200
hTowerId1b
Entries 188
Mean 2492
RMS 488.2
Underflow 0
Overflow 0
softId

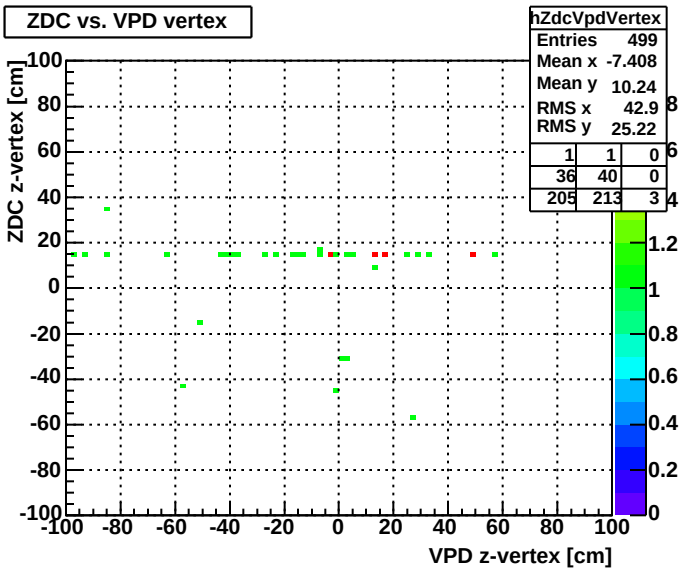

Tower Id2 1601-3200
hTowerId2b
Entries 124
Mean 2401
RMS 491.9
Underflow 0
Overflow 0
softId

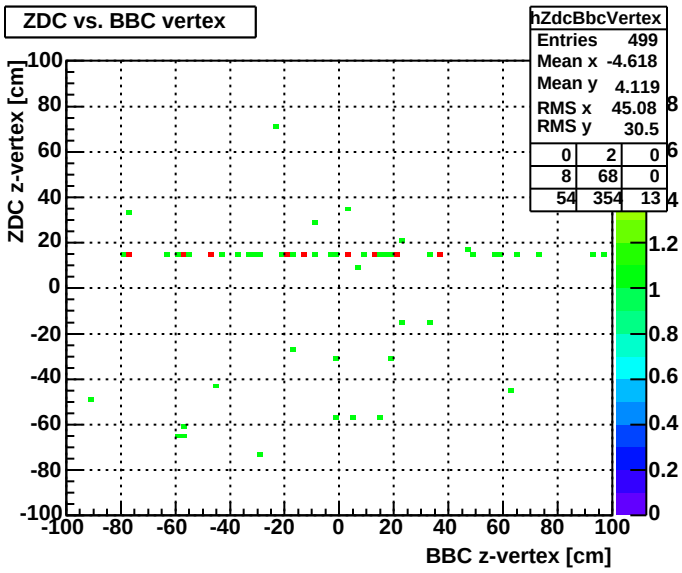

Tower Id1 3201-4800
hTowerId1c
Entries 137
Mean 3983
RMS 475.6
Underflow 0
Overflow 0
softId

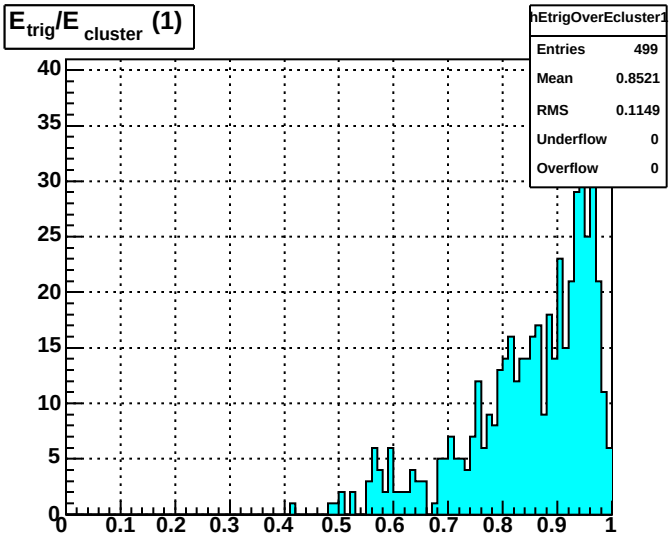

Tower Id2 3201-4800
hTowerId2c
Entries 118
Mean 3978
RMS 459.4
Underflow 0
Overflow 0
softId

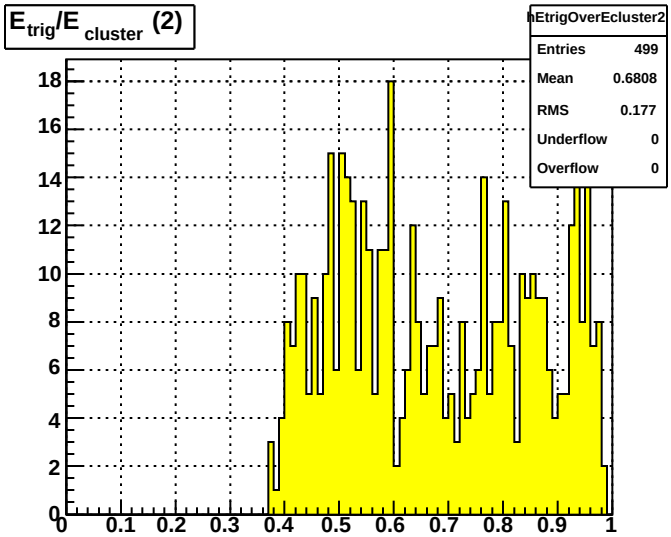

VPD vertex
hVpdVertex
Entries 499
Mean -9.312
RMS 42.06
Underflow 242
Overflow 3
χ² / ndf 57.42 / 78
Constant 3.441 ± 0.361
Mean -5.522 ± 5.328
Sigma 55.87 ± 7.59
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 499
Mean -15.9
RMS 46.1
Underflow 62
Overflow 13
χ² / ndf 126.2 / 92
Constant 4.396 ± 0.367
Mean -21.49 ± 5.90
Sigma 63.91 ± 7.53
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 499
Mean x -7.408
Mean y 10.24
RMS x 42.9
RMS y 25.22
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 499
Mean x -4.618
Mean y 4.119
RMS x 45.08
RMS y 30.5
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 499
Mean 0.8521
RMS 0.1149
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 499
Mean 0.6808
RMS 0.177
Underflow 0
Overflow 0