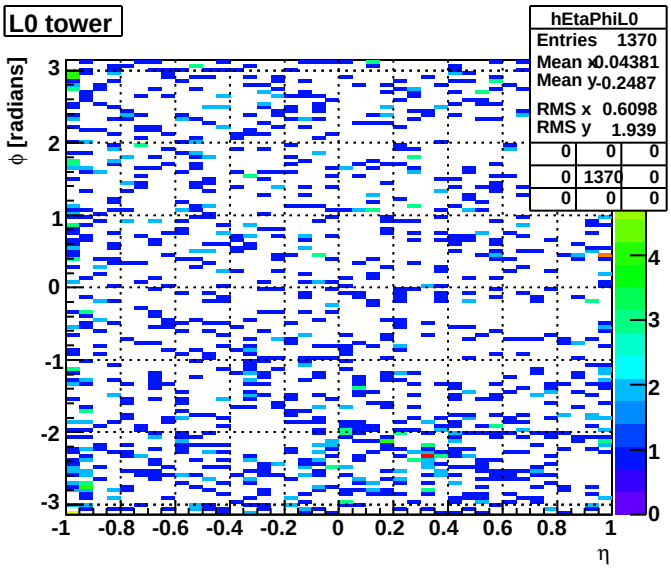
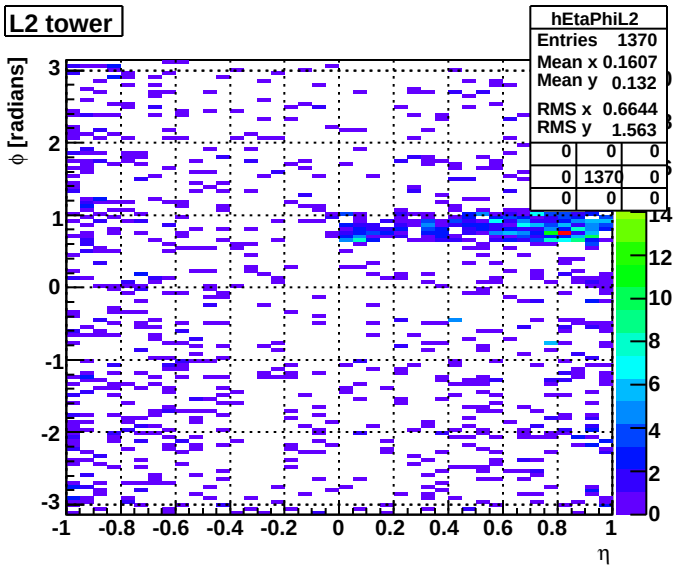
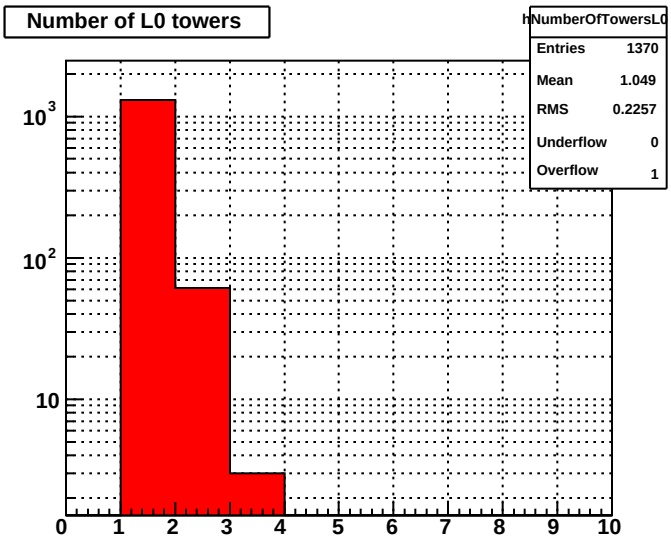
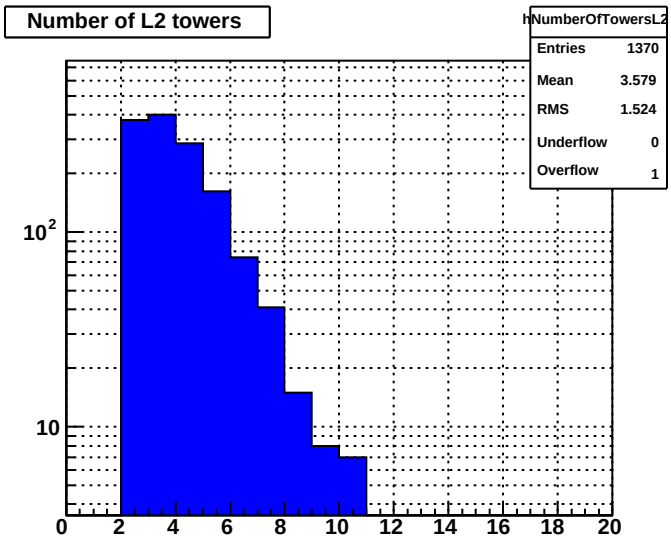
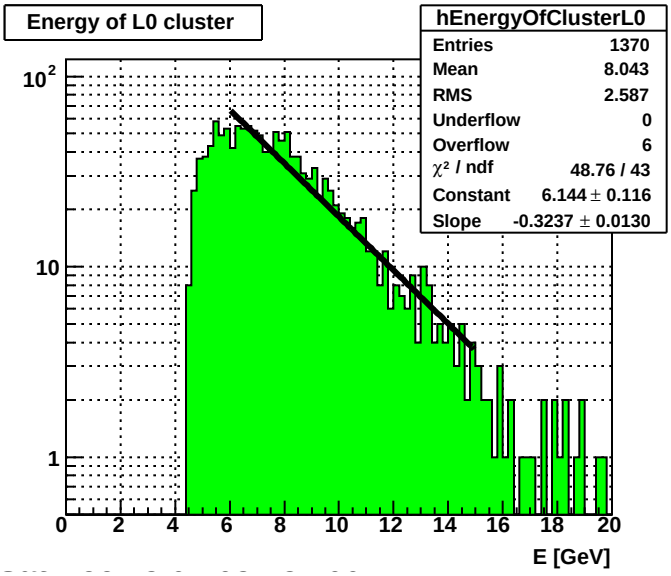
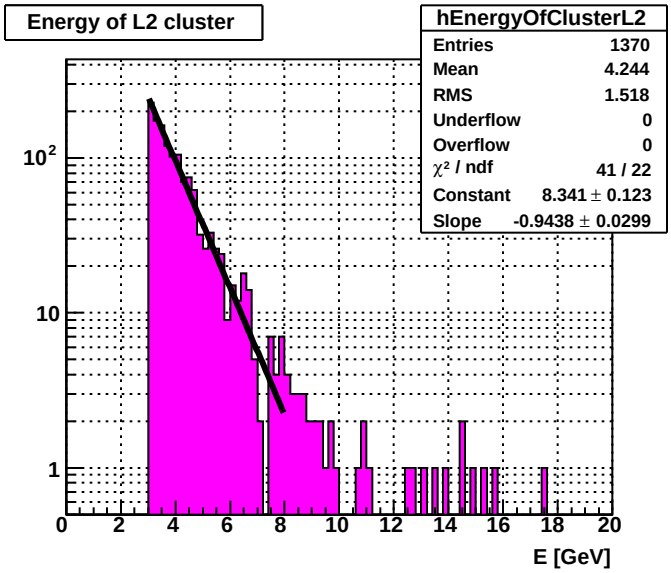

L0 tower
hEtaPhiL0
Entries 1370
Mean x 0.04381
Mean y -0.2487
RMS x 0.6098
RMS y 1.939
φ [radians]
η

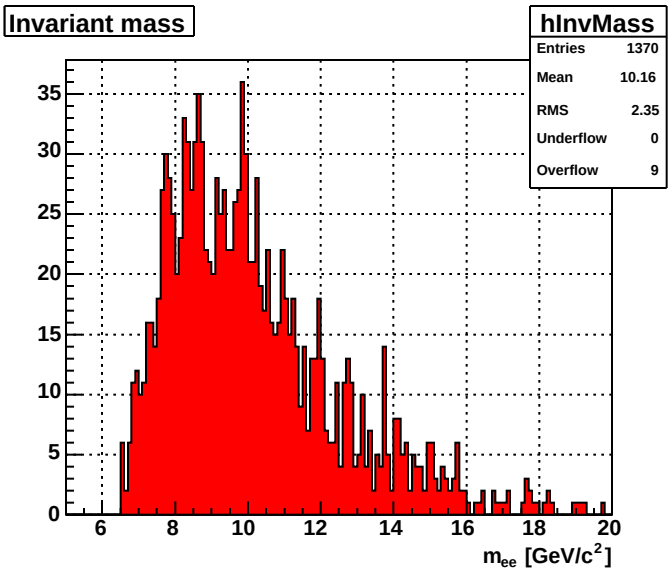

L2 tower
hEtaPhiL2
Entries 1370
Mean x 0.1607
Mean y 0.132
RMS x 0.6644
RMS y 1.563
φ [radians]
η

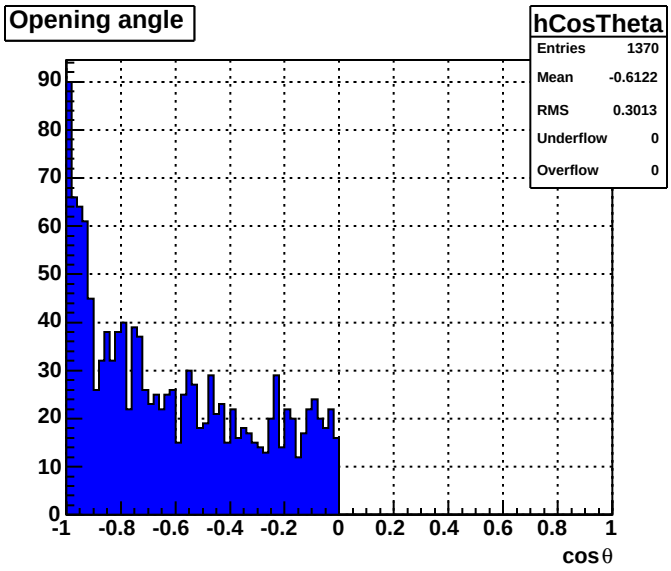

Number of L0 towers
hNumberOfTowersL0
Entries 1370
Mean 1.049
RMS 0.2257
Underflow 0
Overflow 1

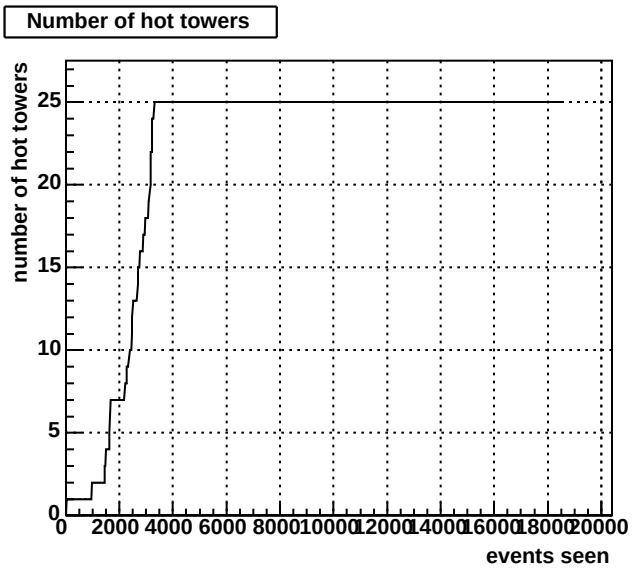

Number of L2 towers
hNumberOfTowersL2
Entries 1370
Mean 3.579
RMS 1.524
Underflow 0
Overflow 1

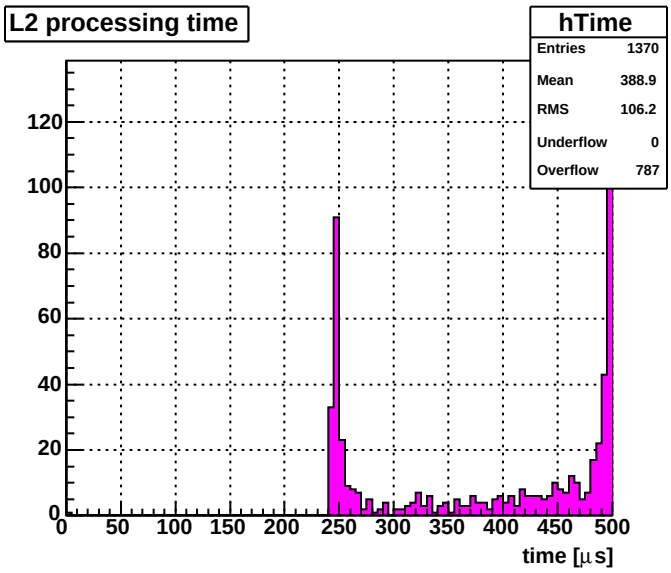

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1370
Mean 8.043
RMS 2.587
Underflow 0
Overflow 6
χ² / ndf 48.76 / 43
Constant 6.144 ± 0.116
Slope -0.3237 ± 0.0130
E [GeV]

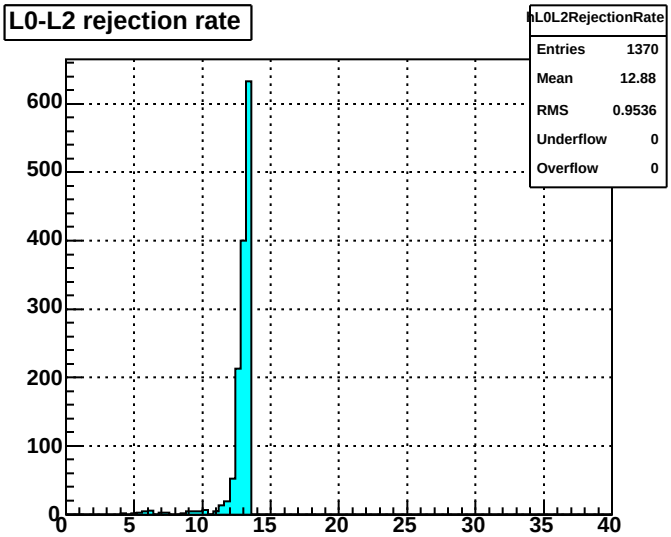

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1370
Mean 4.244
RMS 1.518
Underflow 0
Overflow 0
χ² / ndf 41 / 22
Constant 8.341 ± 0.123
Slope -0.9438 ± 0.0299
E [GeV]

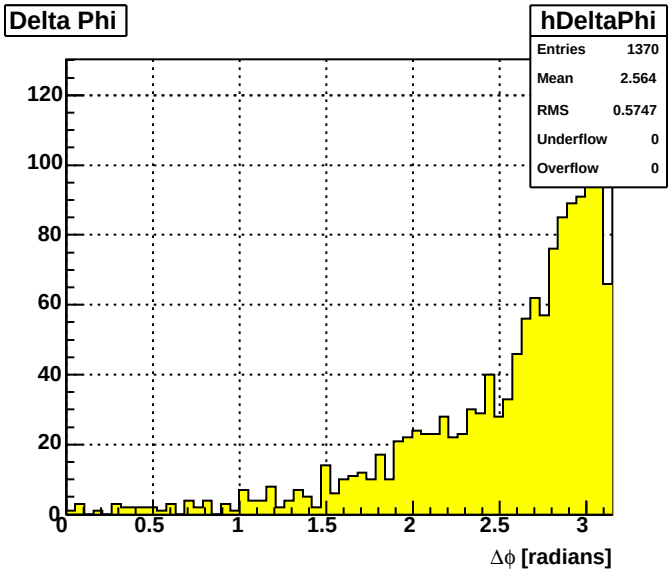

Invariant mass
hInvMass
Entries 1370
Mean 10.16
RMS 2.35
Underflow 0
Overflow 9
m_{ee} [GeV/c^2]

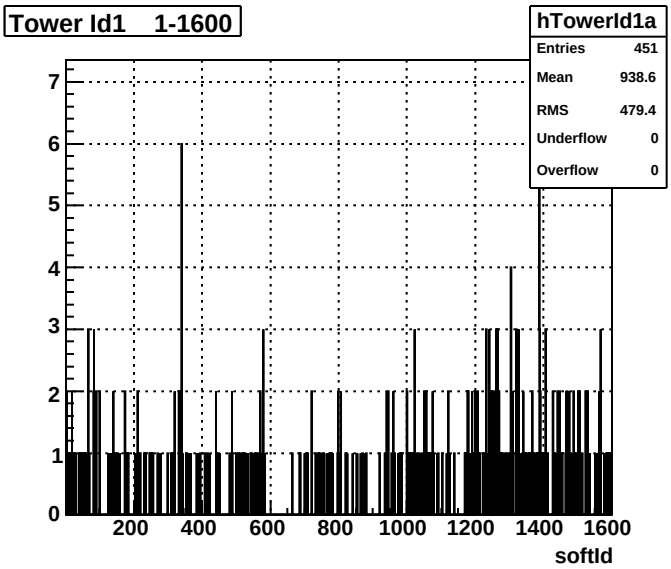

Opening angle
hCosTheta
Entries 1370
Mean -0.6122
RMS 0.3013
Underflow 0
Overflow 0
cos θ

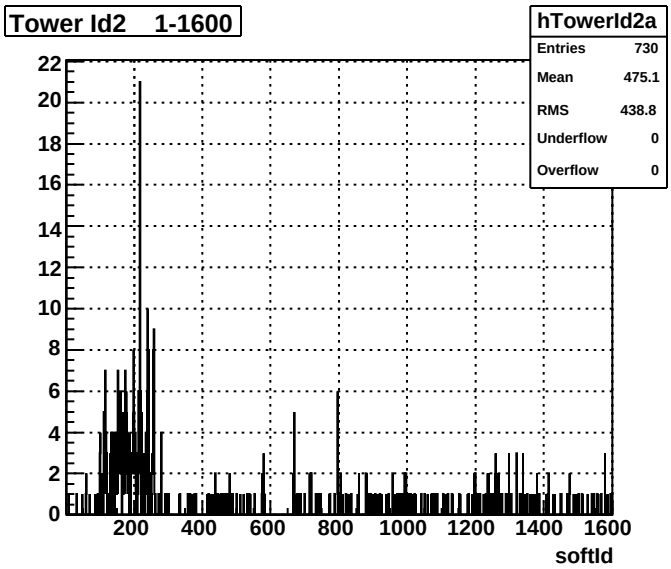

Number of hot towers
number of hot towers
events seen

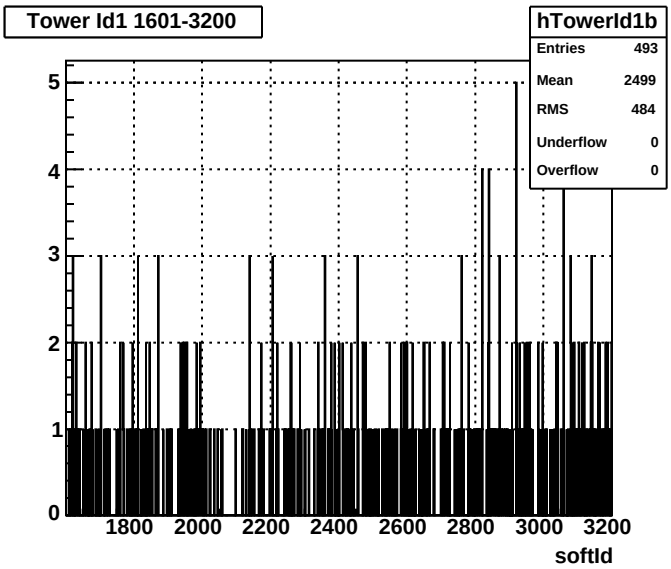

L2 processing time
hTime
Entries 1370
Mean 388.9
RMS 106.2
Underflow 0
Overflow 787
time [μs]

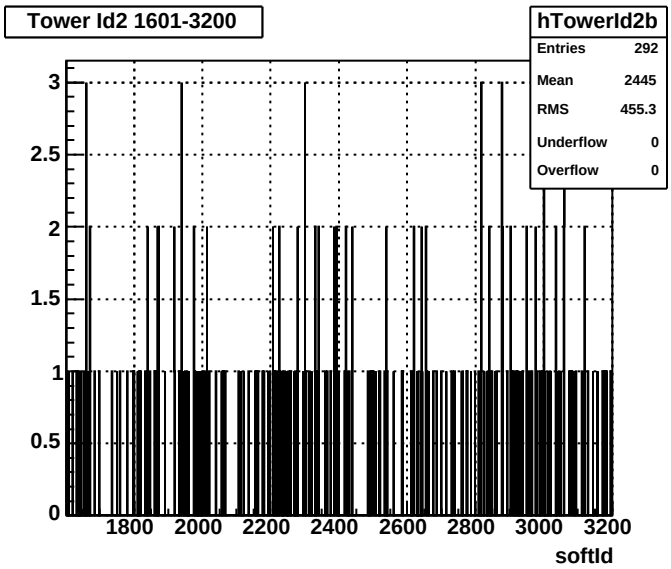

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1370
Mean 12.88
RMS 0.9536
Underflow 0
Overflow 0

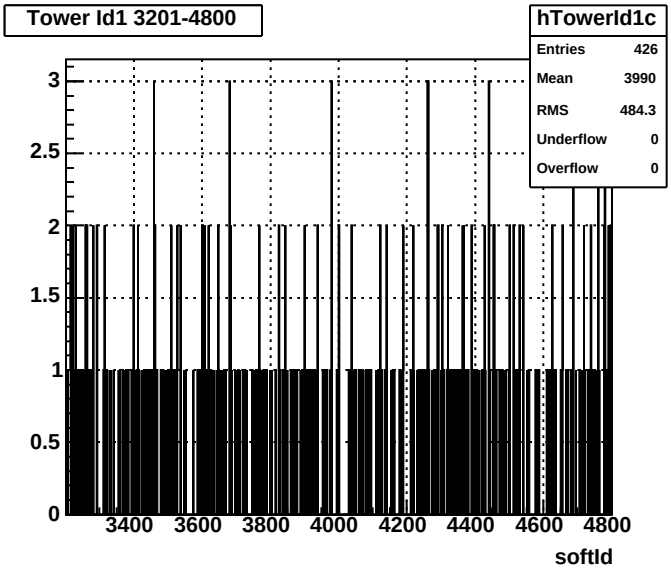

Delta Phi
hDeltaPhi
Entries 1370
Mean 2.564
RMS 0.5747
Underflow 0
Overflow 0
Δφ [radians]

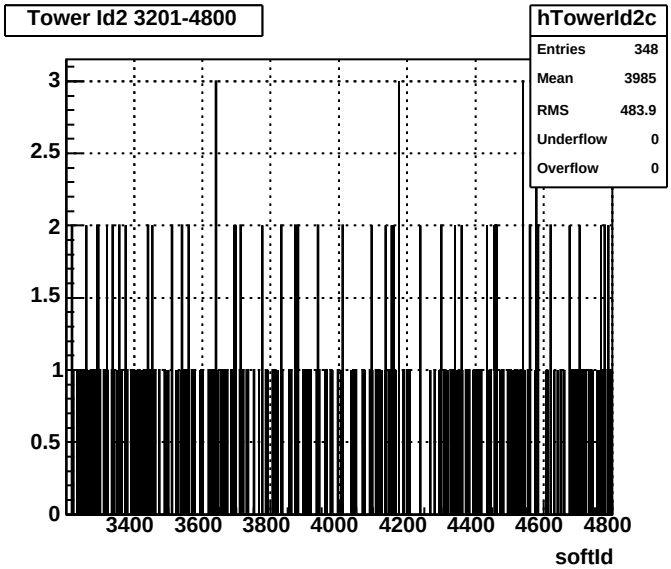

Tower Id1 1-1600
hTowerId1a
Entries 451
Mean 938.6
RMS 479.4
Underflow 0
Overflow 0
softId

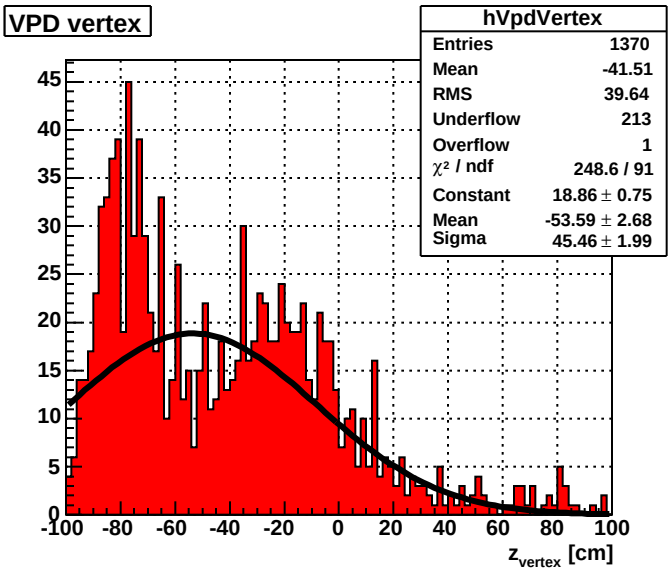

Tower Id2 1-1600
hTowerId2a
Entries 730
Mean 475.1
RMS 438.8
Underflow 0
Overflow 0
softId

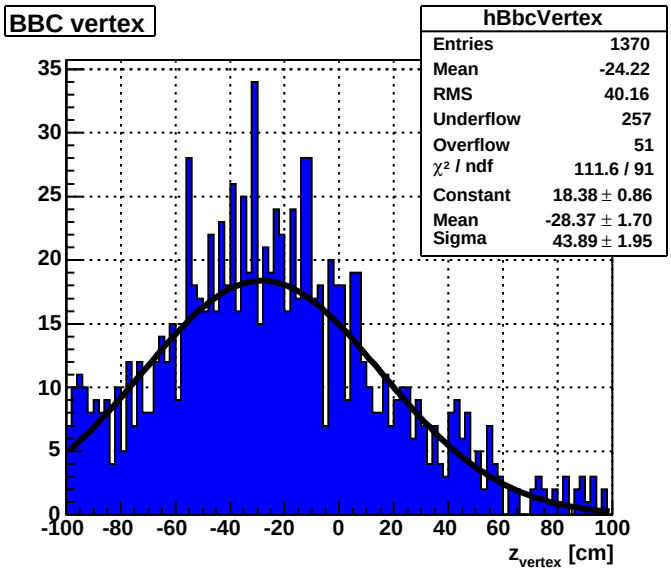

Tower Id1 1601-3200
hTowerId1b
Entries 493
Mean 2499
RMS 484
Underflow 0
Overflow 0
softId

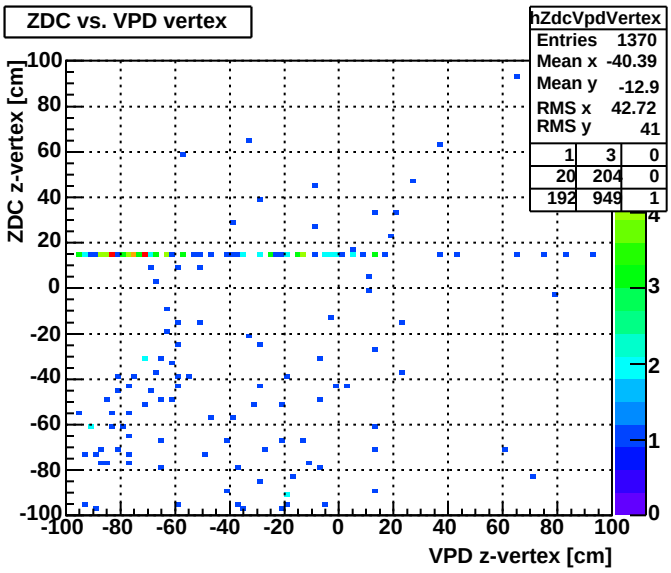

Tower Id2 1601-3200
hTowerId2b
Entries 292
Mean 2445
RMS 455.3
Underflow 0
Overflow 0
softId

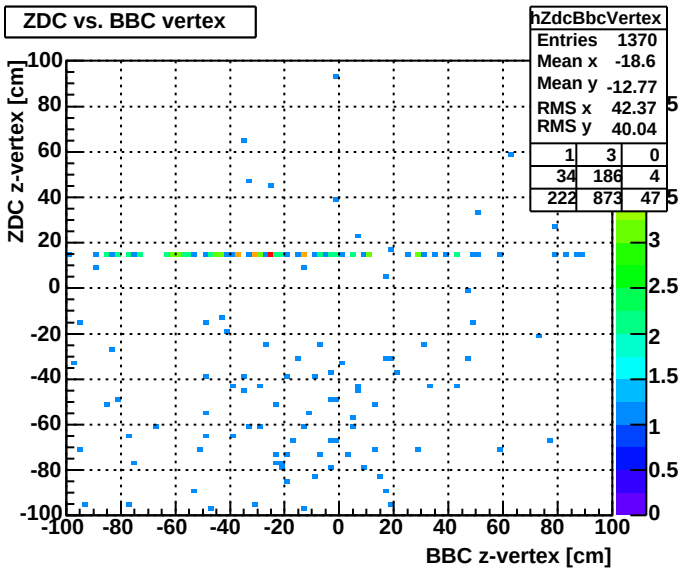

Tower Id1 3201-4800
hTowerId1c
Entries 426
Mean 3990
RMS 484.3
Underflow 0
Overflow 0
softId

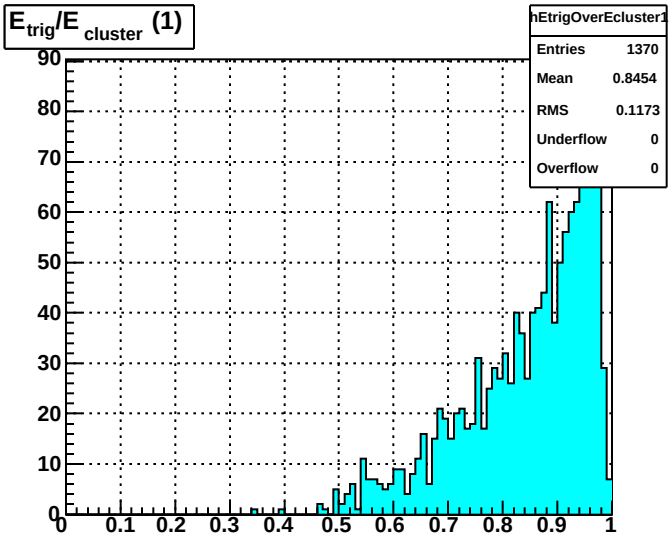

Tower Id2 3201-4800
hTowerId2c
Entries 348
Mean 3985
RMS 483.9
Underflow 0
Overflow 0
softId

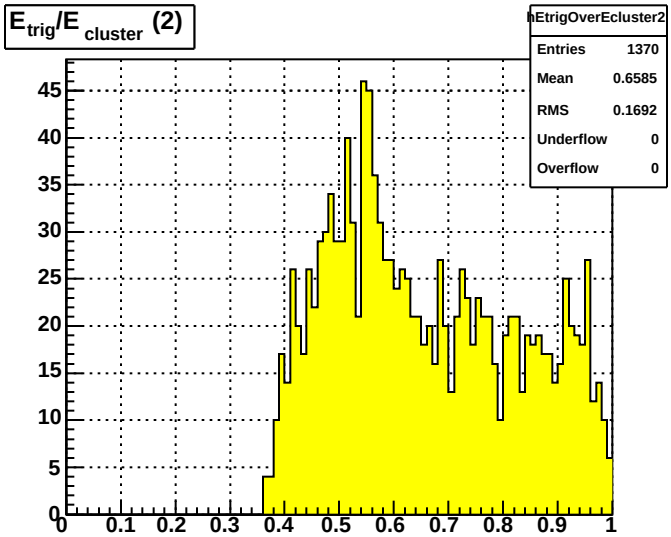

VPD vertex
hVpdVertex
Entries 1370
Mean -41.51
RMS 39.64
Underflow 213
Overflow 1
χ² / ndf 248.6 / 91
Constant 18.86 ± 0.75
Mean -53.59 ± 2.68
Sigma 45.46 ± 1.99
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1370
Mean -24.22
RMS 40.16
Underflow 257
Overflow 51
χ² / ndf 111.6 / 91
Constant 18.38 ± 0.86
Mean -28.37 ± 1.70
Sigma 43.89 ± 1.95
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1370
Mean x -40.39
Mean y -12.9
RMS x 42.72
RMS y 41
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1370
Mean x -18.6
Mean y -12.77
RMS x 42.37
RMS y 40.04
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1370
Mean 0.8454
RMS 0.1173
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1370
Mean 0.6585
RMS 0.1692
Underflow 0
Overflow 0