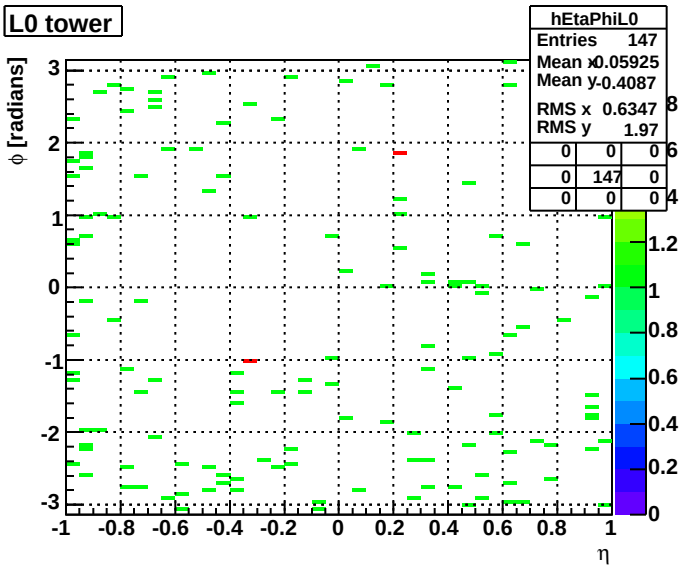
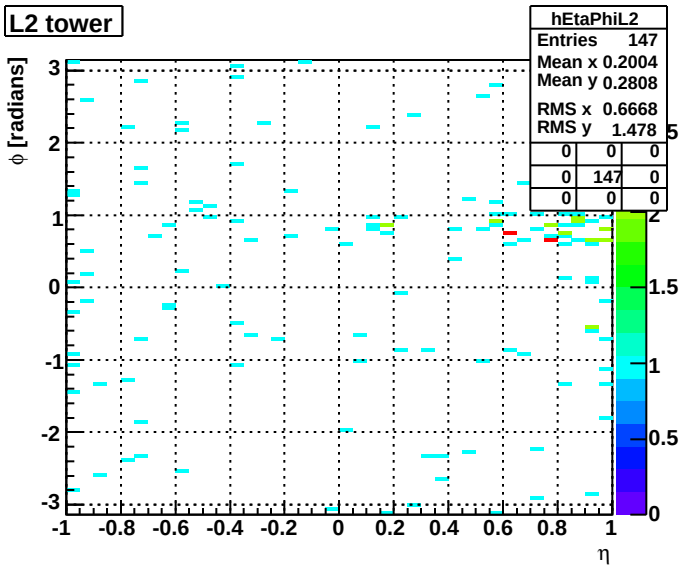
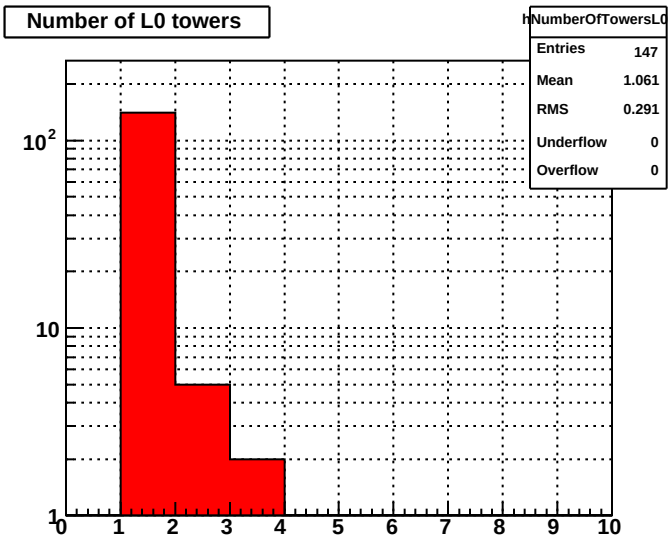
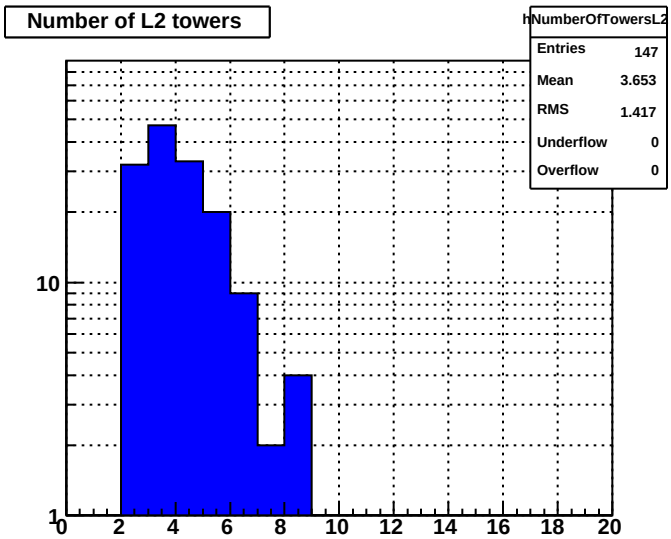
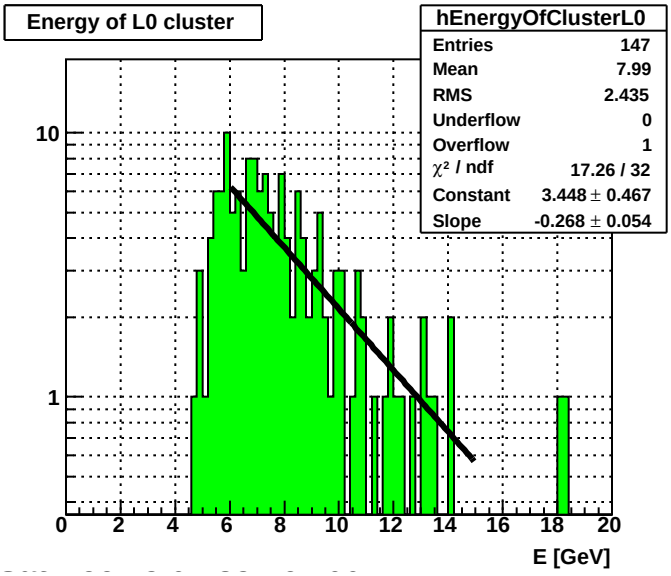
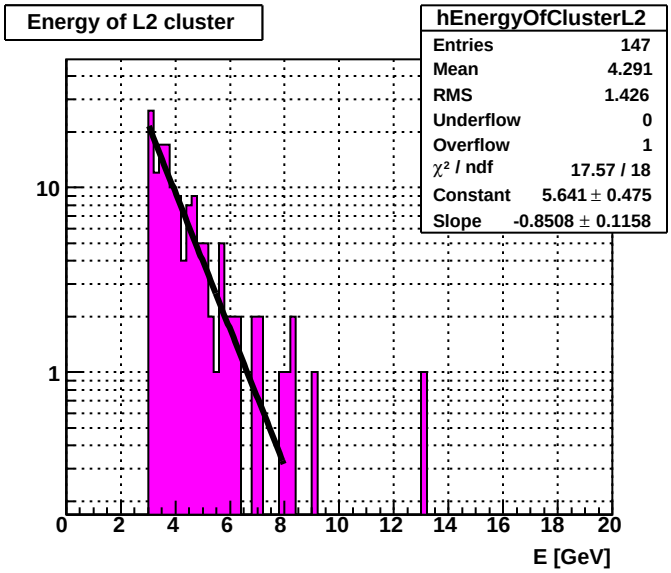

L0 tower
hEtaPhiL0
Entries 147
Mean x 0.05925
Mean y -0.4087
RMS x 0.6347
RMS y 1.97
φ [radians]
η

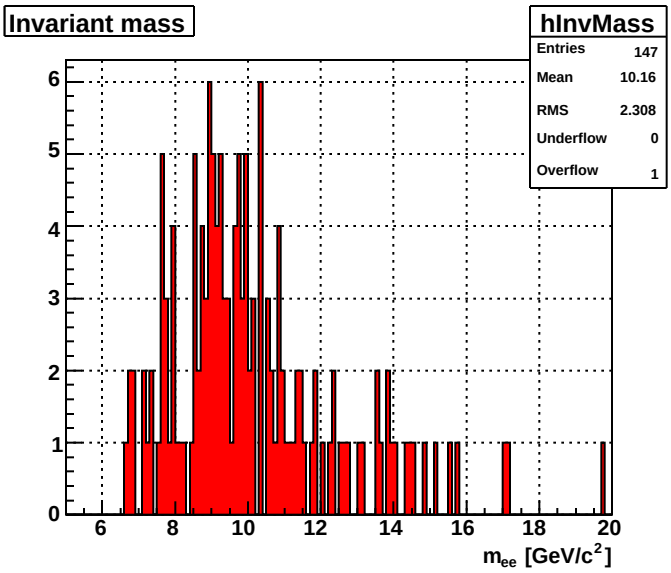

L2 tower
hEtaPhiL2
Entries 147
Mean x 0.2004
Mean y 0.2808
RMS x 0.6668
RMS y 1.478
φ [radians]
η

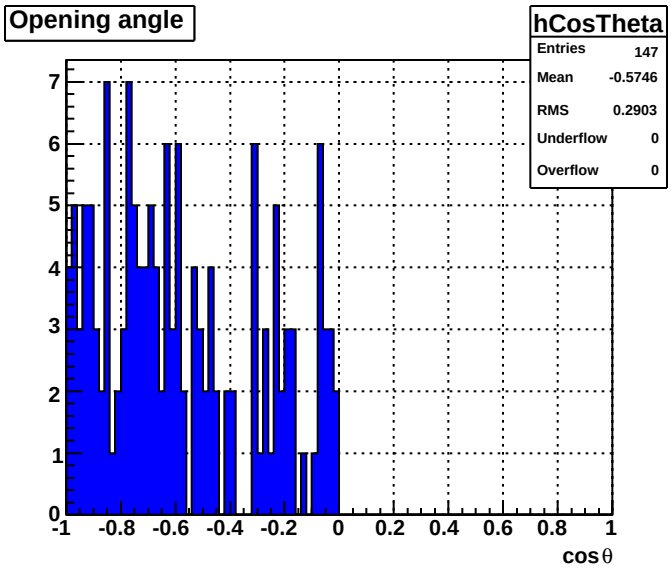

Number of L0 towers
hNumberOfTowersL0
Entries 147
Mean 1.061
RMS 0.291
Underflow 0
Overflow 0

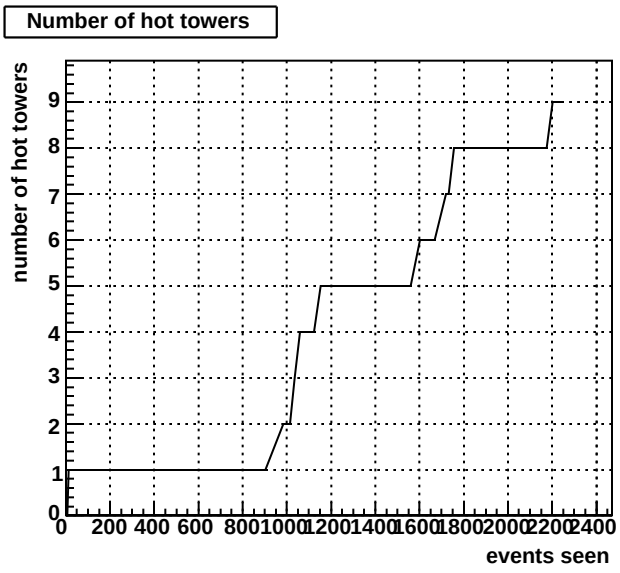

Number of L2 towers
hNumberOfTowersL2
Entries 147
Mean 3.653
RMS 1.417
Underflow 0
Overflow 0

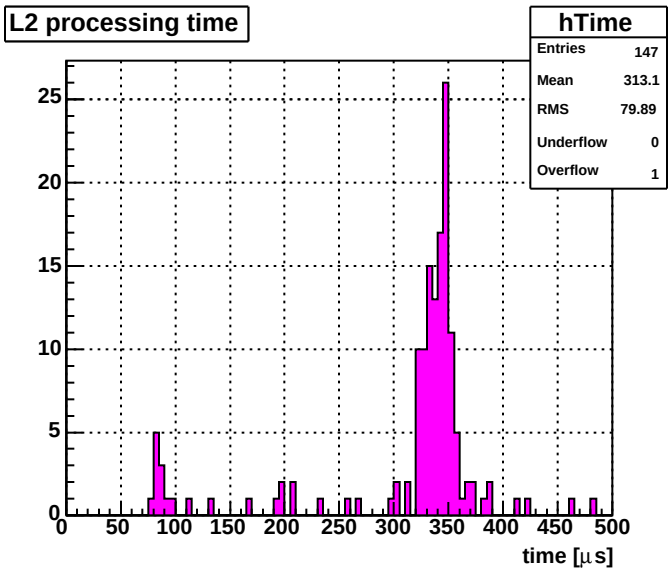

Energy of L0 cluster
hEnergyOfClusterL0
Entries 147
Mean 7.99
RMS 2.435
Underflow 0
Overflow 1
χ² / ndf 17.26 / 32
Constant 3.448 ± 0.467
Slope -0.268 ± 0.054
E [GeV]

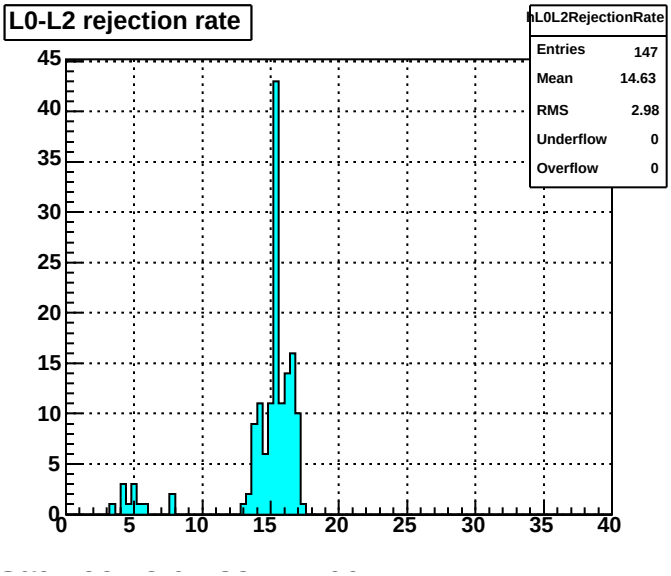

Energy of L2 cluster
hEnergyOfClusterL2
Entries 147
Mean 4.291
RMS 1.426
Underflow 0
Overflow 1
χ² / ndf 17.57 / 18
Constant 5.641 ± 0.475
Slope -0.8508 ± 0.1158
E [GeV]

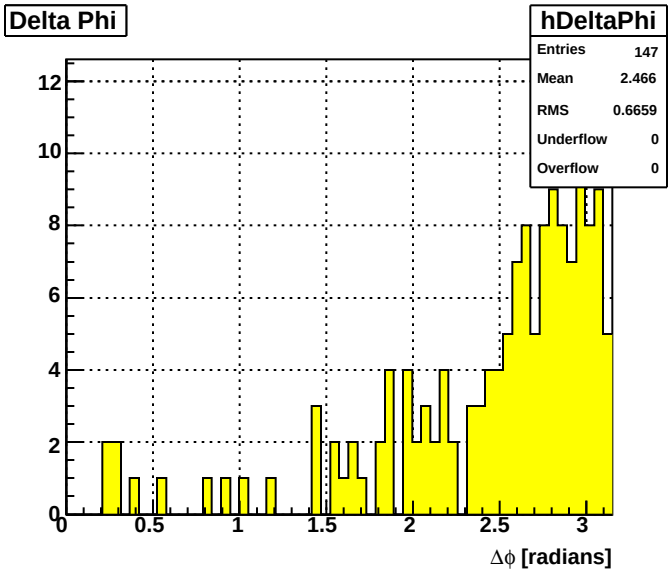

Invariant mass
hInvMass
Entries 147
Mean 10.16
RMS 2.308
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

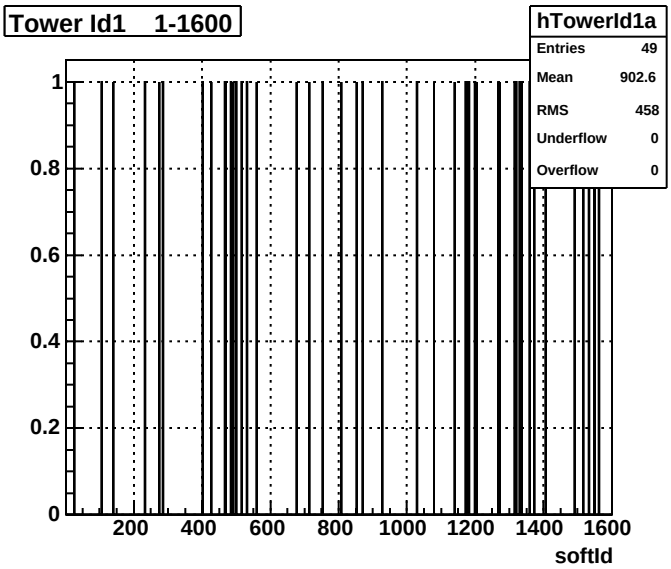

Opening angle
hCosTheta
Entries 147
Mean -0.5746
RMS 0.2903
Underflow 0
Overflow 0
cos θ

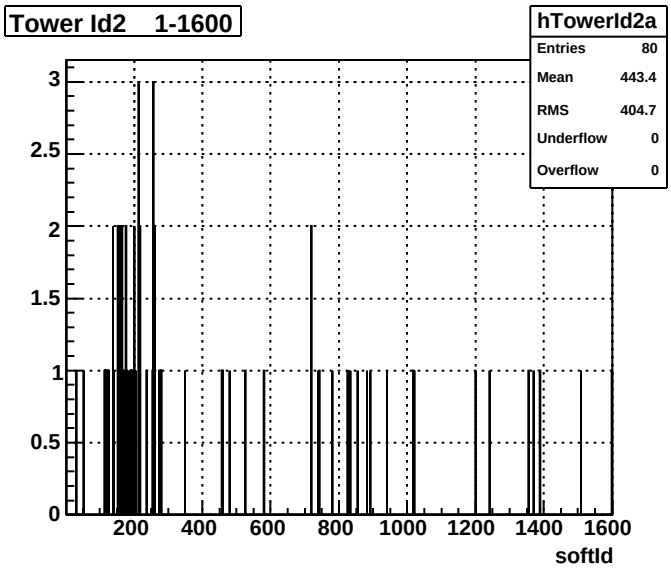

Number of hot towers
number of hot towers
events seen

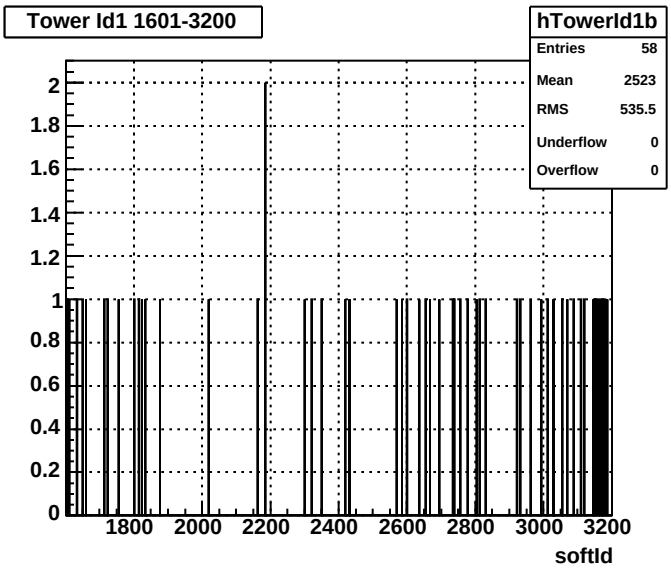

L2 processing time
hTime
Entries 147
Mean 313.1
RMS 79.89
Underflow 0
Overflow 1
time [μs]

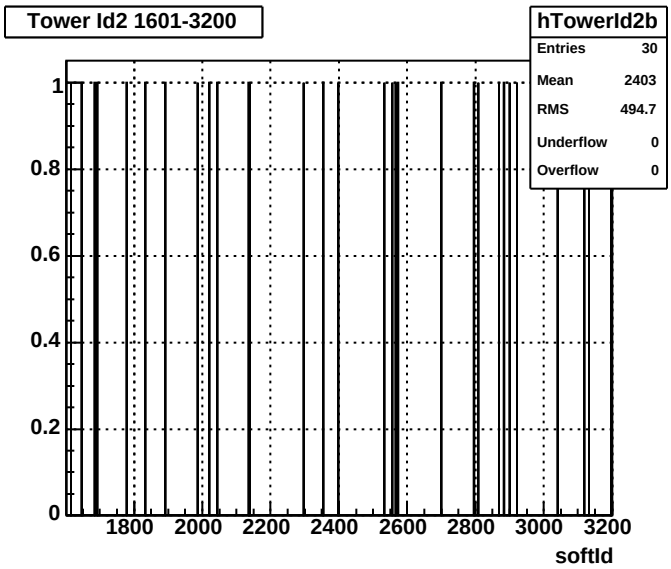

L0-L2 rejection rate
hL0L2RejectionRate
Entries 147
Mean 14.63
RMS 2.98
Underflow 0
Overflow 0

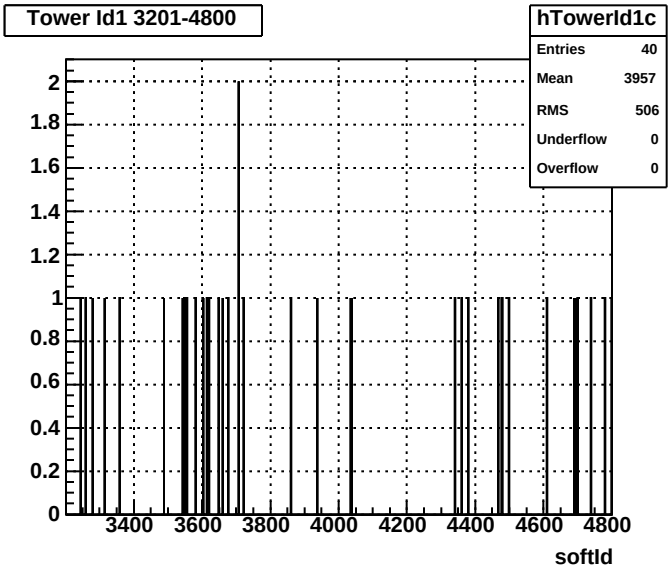

Delta Phi
hDeltaPhi
Entries 147
Mean 2.466
RMS 0.6659
Underflow 0
Overflow 0
Δφ [radians]

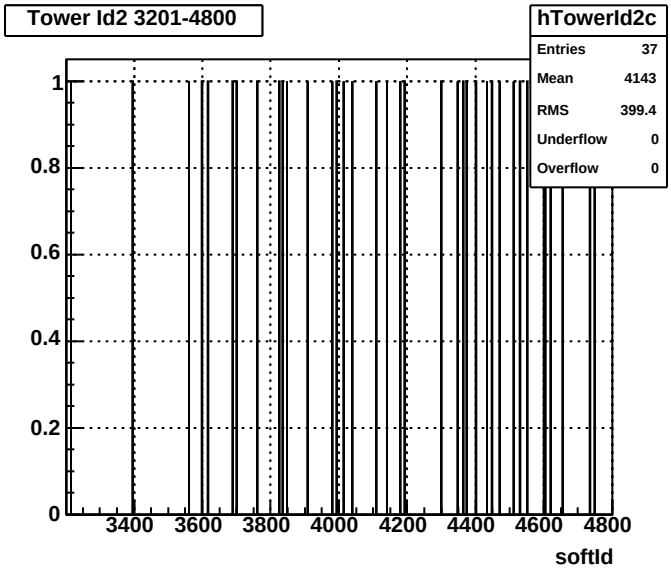

Tower Id1 1-1600
hTowerId1a
Entries 49
Mean 902.6
RMS 458
Underflow 0
Overflow 0
softId

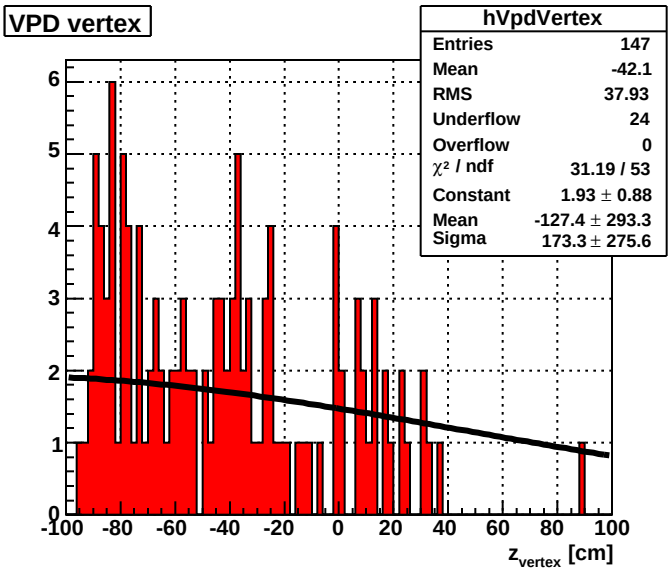

Tower Id2 1-1600
hTowerId2a
Entries 80
Mean 443.4
RMS 404.7
Underflow 0
Overflow 0
softId

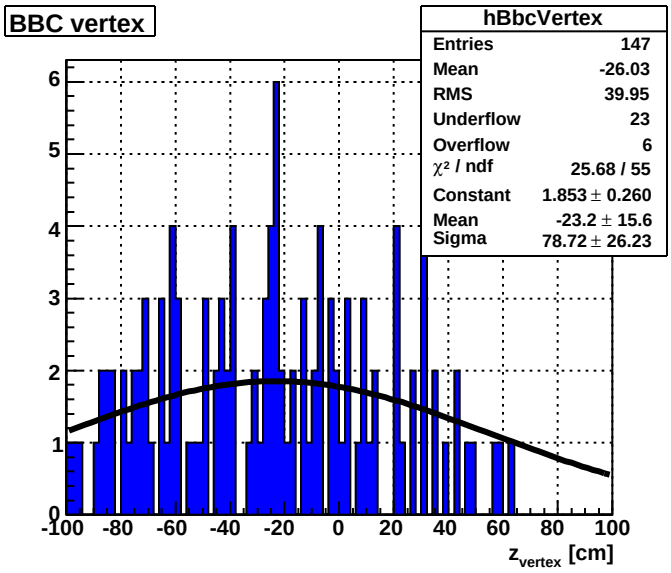

Tower Id1 1601-3200
hTowerId1b
Entries 58
Mean 2523
RMS 535.5
Underflow 0
Overflow 0
softId

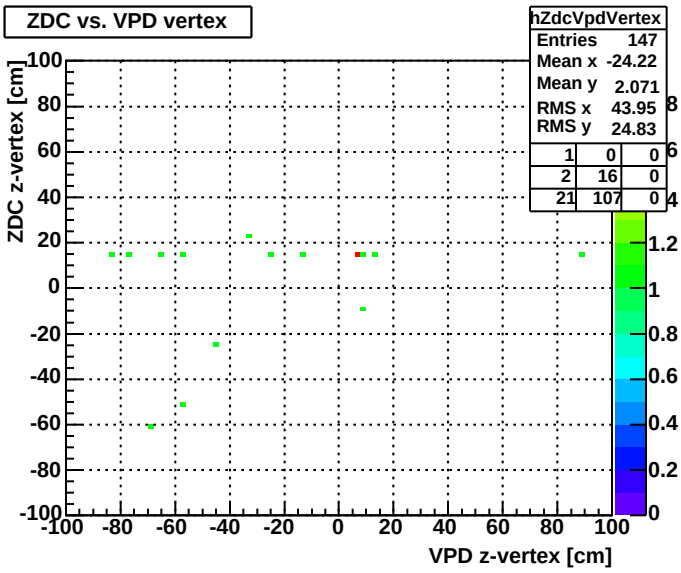

Tower Id2 1601-3200
hTowerId2b
Entries 30
Mean 2403
RMS 494.7
Underflow 0
Overflow 0
softId

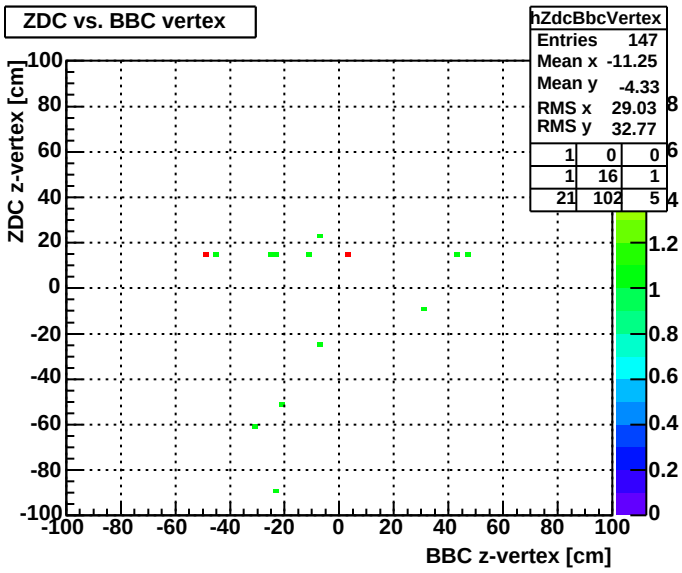

Tower Id1 3201-4800
hTowerId1c
Entries 40
Mean 3957
RMS 506
Underflow 0
Overflow 0
softId

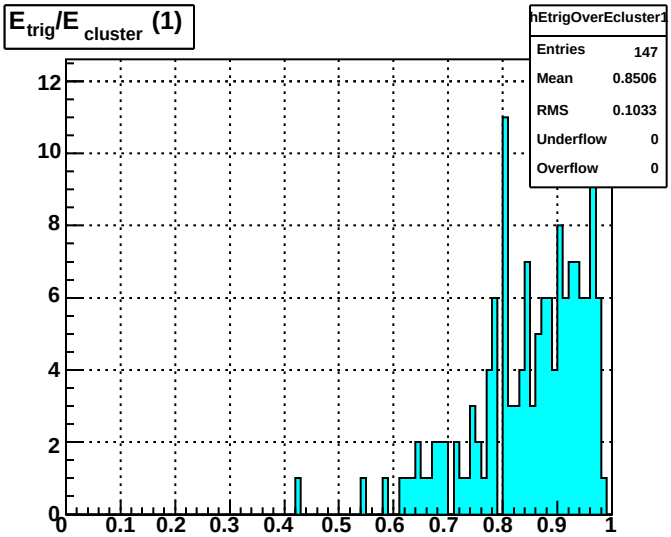

Tower Id2 3201-4800
hTowerId2c
Entries 37
Mean 4143
RMS 399.4
Underflow 0
Overflow 0
softId

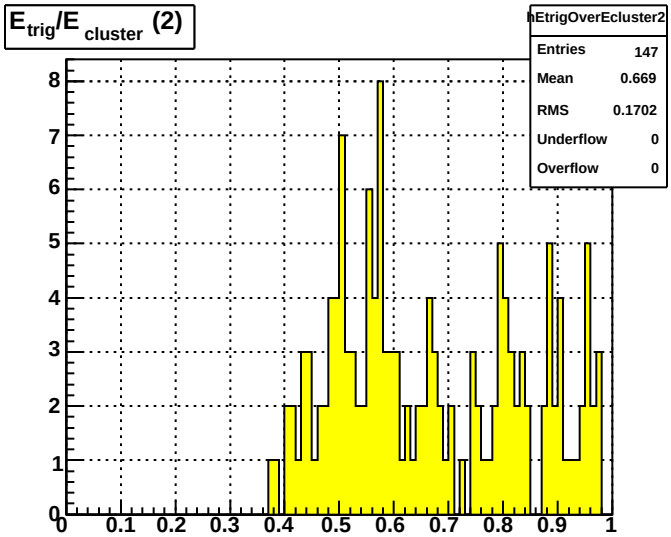

VPD vertex
hVpdVertex
Entries 147
Mean -42.1
RMS 37.93
Underflow 24
Overflow 0
χ² / ndf 31.19 / 53
Constant 1.93 ± 0.88
Mean -127.4 ± 293.3
Sigma 173.3 ± 275.6
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 147
Mean -26.03
RMS 39.95
Underflow 23
Overflow 6
χ² / ndf 25.68 / 55
Constant 1.853 ± 0.260
Mean -23.2 ± 15.6
Sigma 78.72 ± 26.23
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 147
Mean x -24.22
Mean y 2.071
RMS x 43.95
RMS y 24.83
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 147
Mean x -11.25
Mean y -4.33
RMS x 29.03
RMS y 32.77
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 147
Mean 0.8506
RMS 0.1033
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 147
Mean 0.669
RMS 0.1702
Underflow 0
Overflow 0