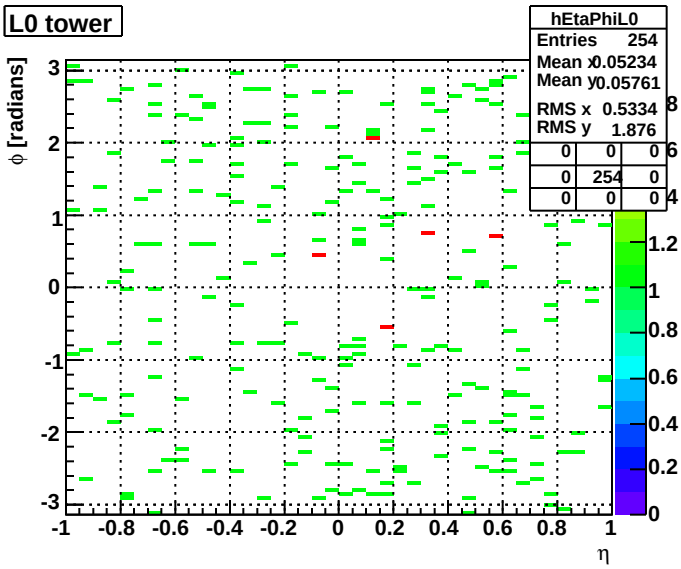
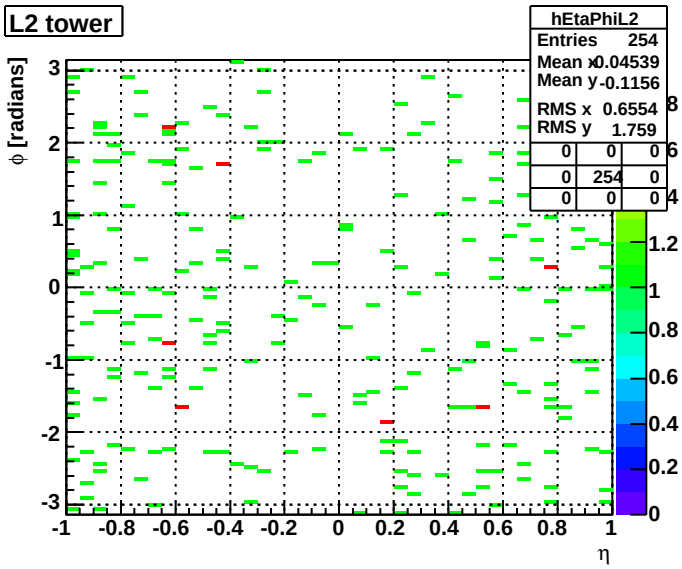
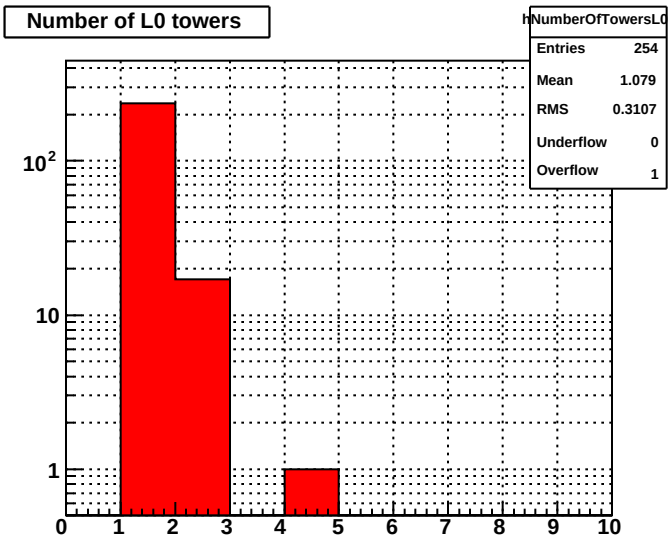
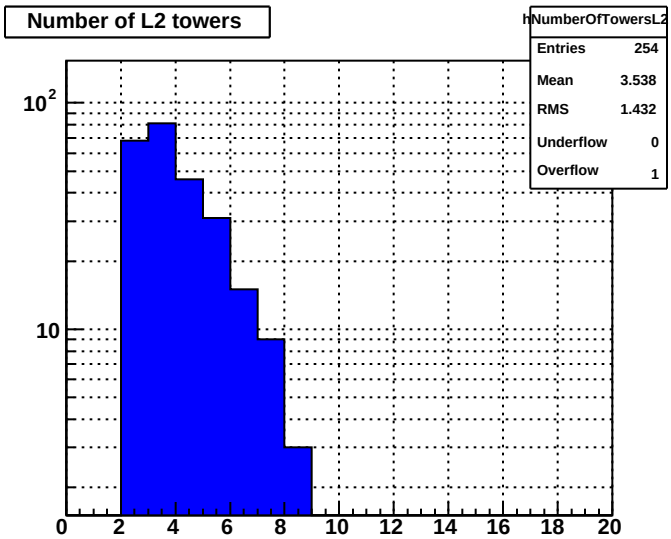
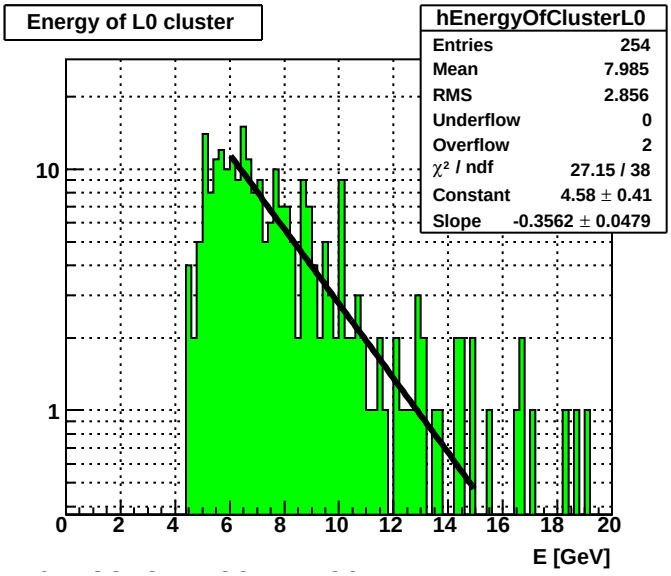
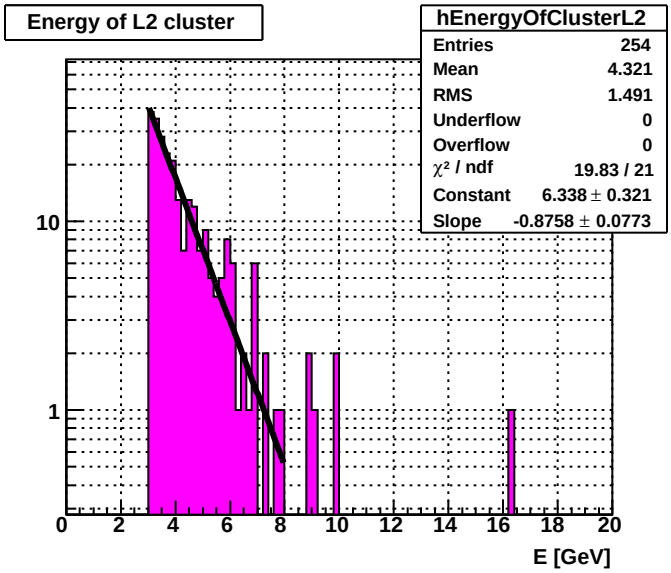

L0 tower
hEtaPhiL0
Entries 254
Mean x 0.05234
Mean y 0.05761
RMS x 0.5334
RMS y 1.876
φ [radians]
η

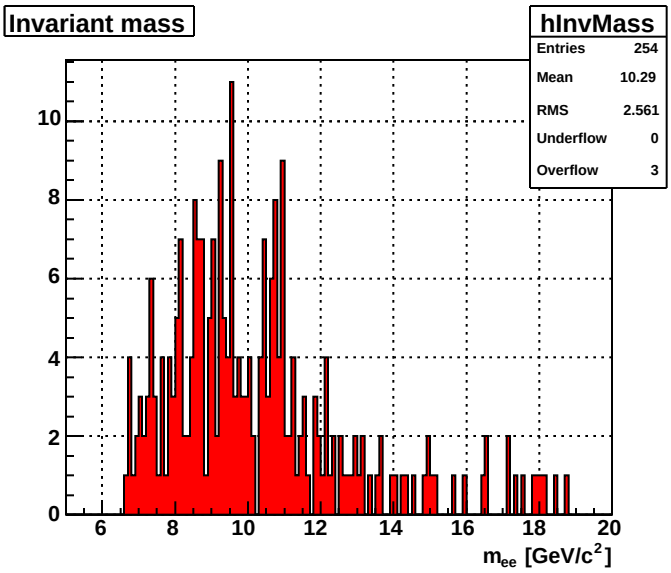

L2 tower
hEtaPhiL2
Entries 254
Mean x 0.04539
Mean y -0.1156
RMS x 0.6554
RMS y 1.759
φ [radians]
η

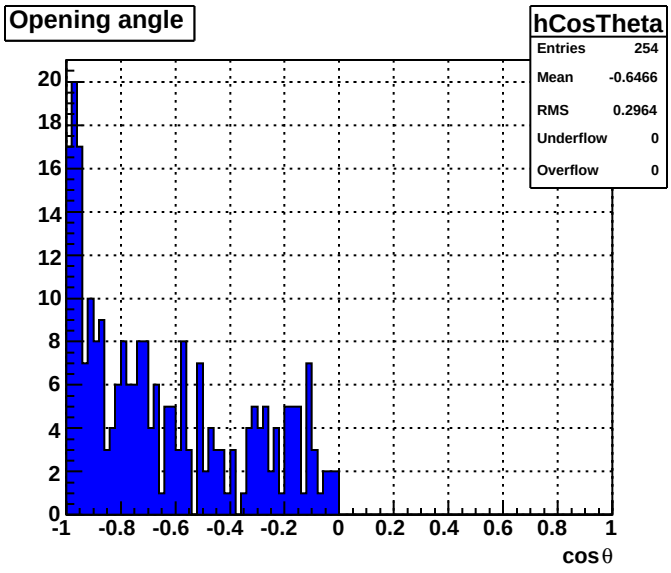

Number of L0 towers
hNumberOfTowersL0
Entries 254
Mean 1.079
RMS 0.3107
Underflow 0
Overflow 1

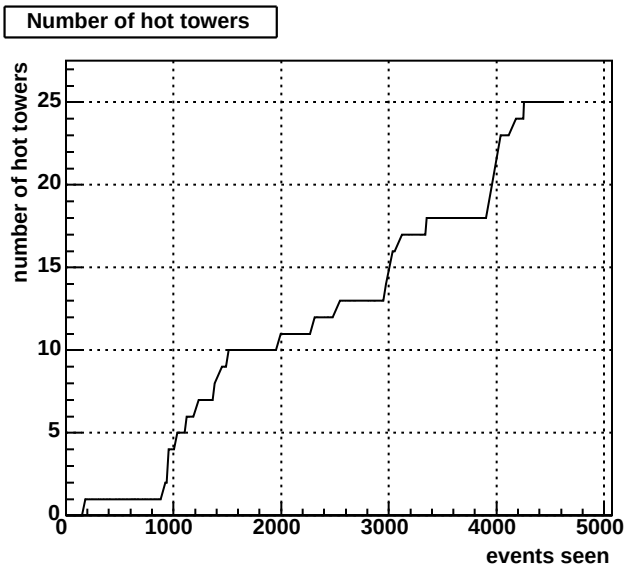

Number of L2 towers
hNumberOfTowersL2
Entries 254
Mean 3.538
RMS 1.432
Underflow 0
Overflow 1

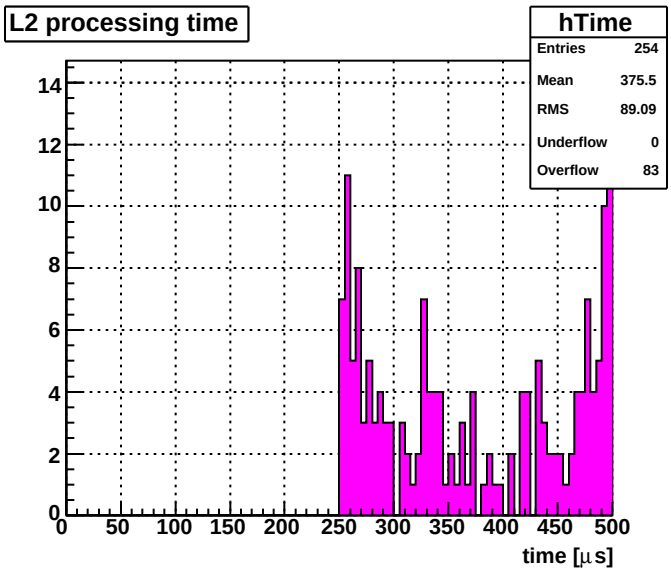

Energy of L0 cluster
hEnergyOfClusterL0
Entries 254
Mean 7.985
RMS 2.856
Underflow 0
Overflow 2
χ² / ndf 27.15 / 38
Constant 4.58 ± 0.41
Slope -0.3562 ± 0.0479
E [GeV]

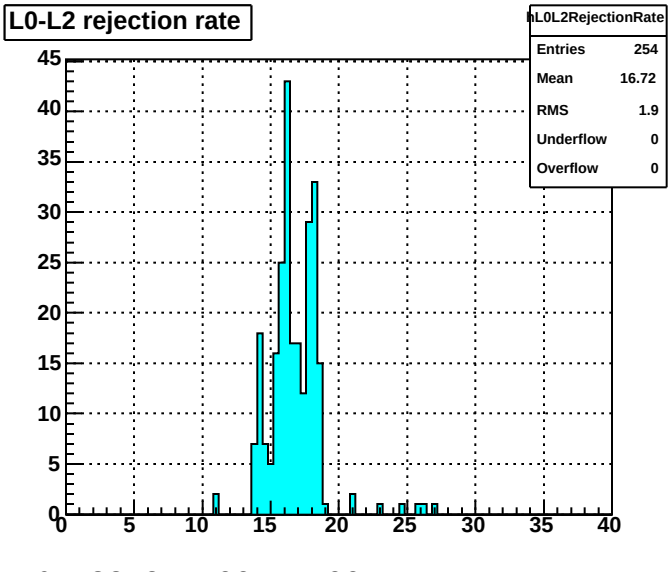

Energy of L2 cluster
hEnergyOfClusterL2
Entries 254
Mean 4.321
RMS 1.491
Underflow 0
Overflow 0
χ² / ndf 19.83 / 21
Constant 6.338 ± 0.321
Slope -0.8758 ± 0.0773
E [GeV]

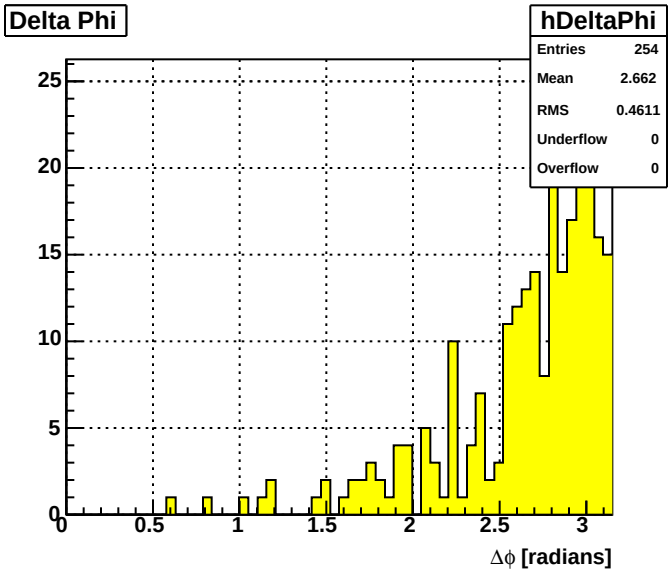

Invariant mass
hInvMass
Entries 254
Mean 10.29
RMS 2.561
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

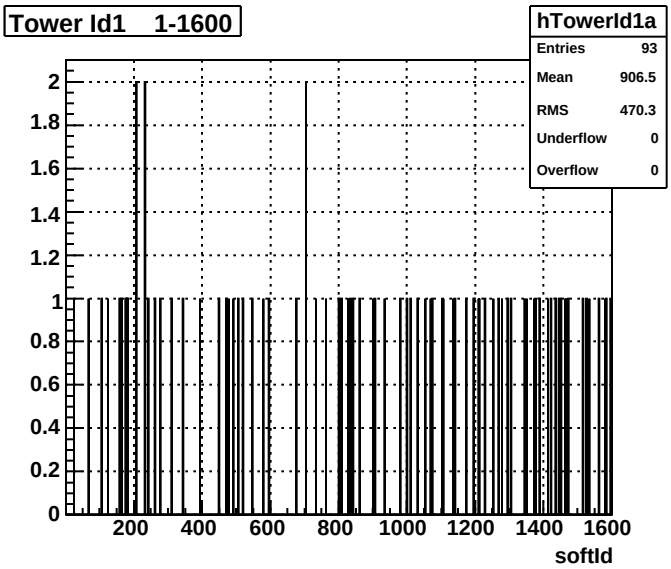

Opening angle
hCosTheta
Entries 254
Mean -0.6466
RMS 0.2964
Underflow 0
Overflow 0
cos θ

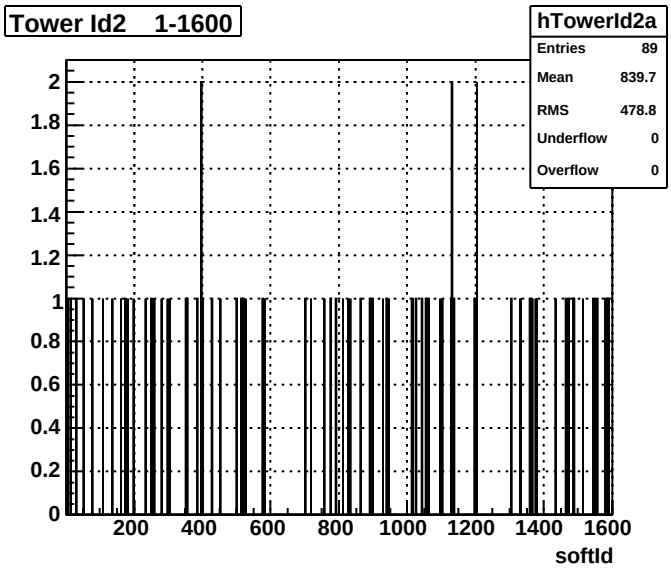

Number of hot towers
number of hot towers
events seen

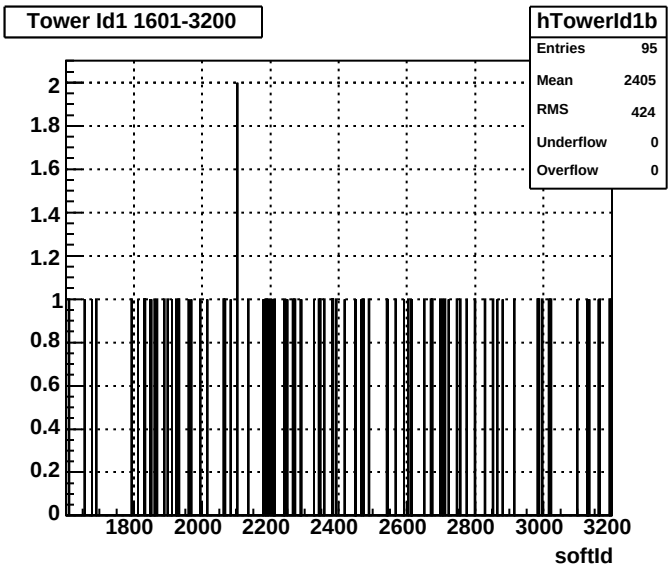

L2 processing time
hTime
Entries 254
Mean 375.5
RMS 89.09
Underflow 0
Overflow 83
time [μs]

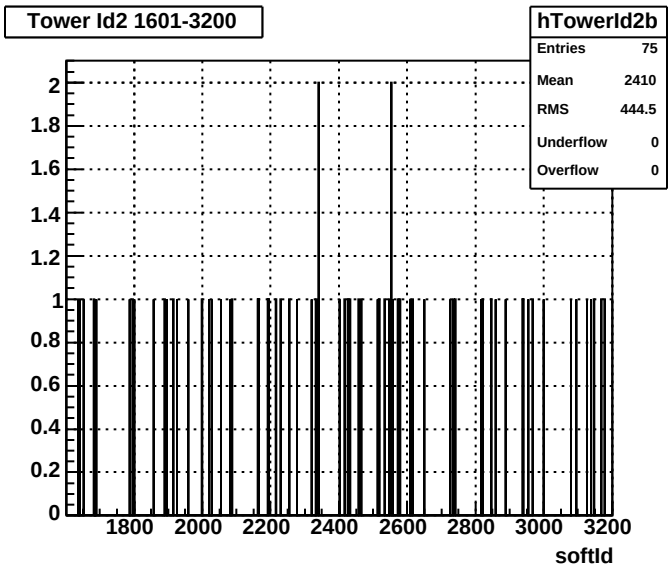

L0-L2 rejection rate
hL0L2RejectionRate
Entries 254
Mean 16.72
RMS 1.9
Underflow 0
Overflow 0

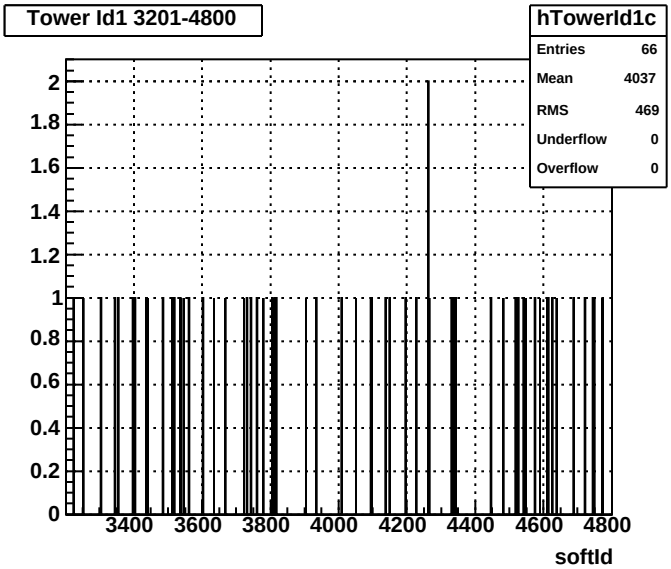

Delta Phi
hDeltaPhi
Entries 254
Mean 2.662
RMS 0.4611
Underflow 0
Overflow 0
Δφ [radians]

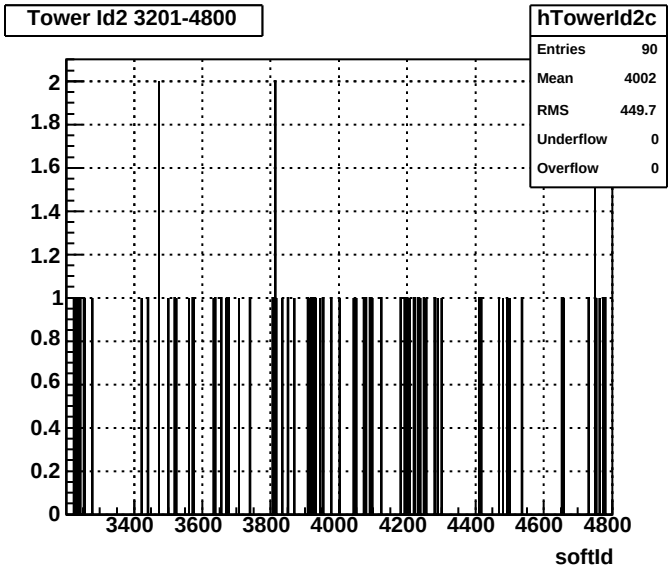

Tower Id1 1-1600
hTowerId1a
Entries 93
Mean 906.5
RMS 470.3
Underflow 0
Overflow 0
softId

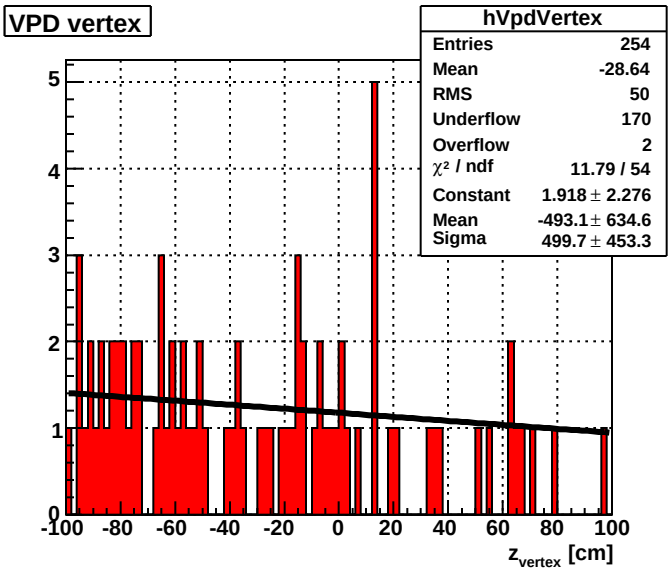

Tower Id2 1-1600
hTowerId2a
Entries 89
Mean 839.7
RMS 478.8
Underflow 0
Overflow 0
softId

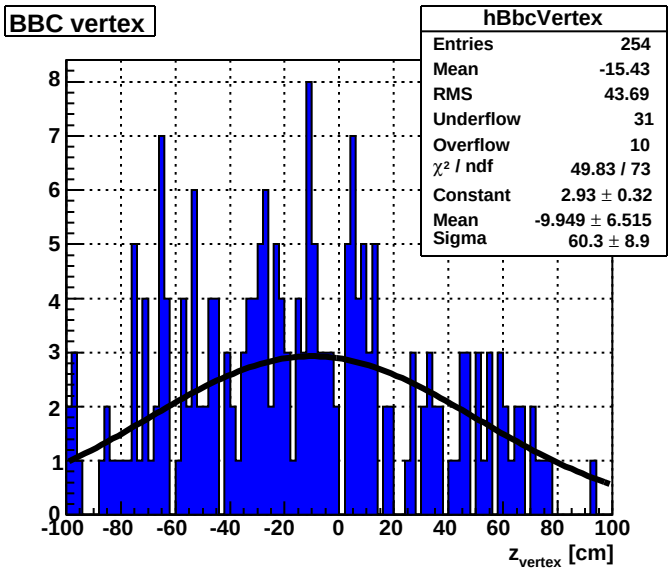

Tower Id1 1601-3200
hTowerId1b
Entries 95
Mean 2405
RMS 424
Underflow 0
Overflow 0
softId

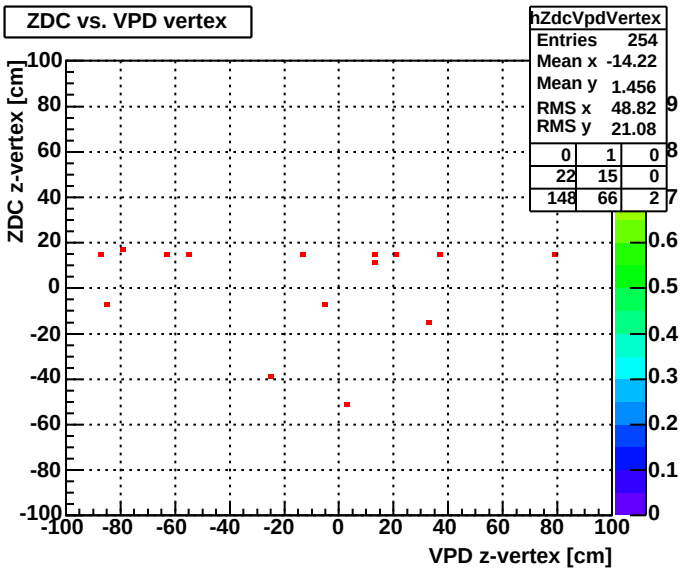

Tower Id2 1601-3200
hTowerId2b
Entries 75
Mean 2410
RMS 444.5
Underflow 0
Overflow 0
softId

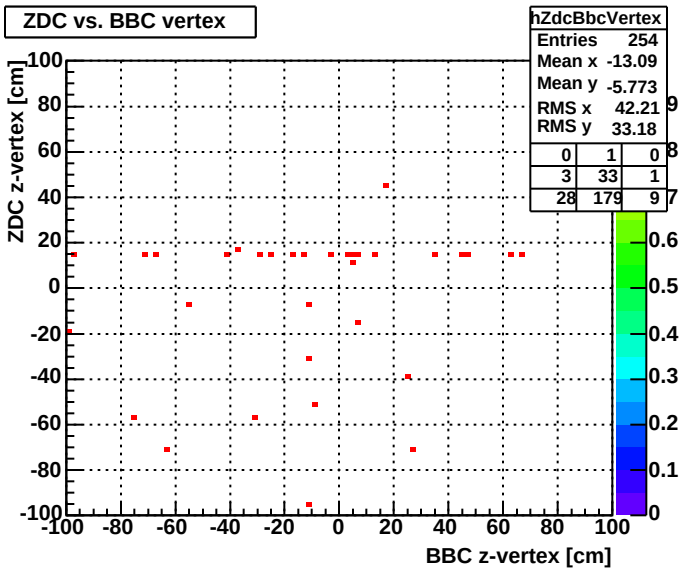

Tower Id1 3201-4800
hTowerId1c
Entries 66
Mean 4037
RMS 469
Underflow 0
Overflow 0
softId

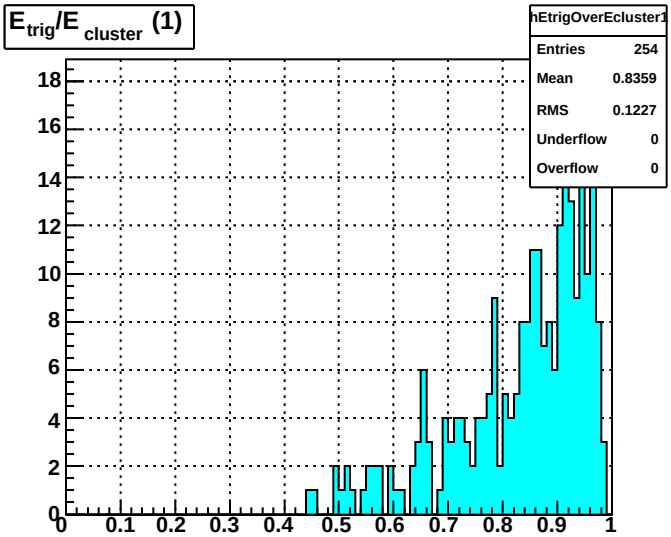

Tower Id2 3201-4800
hTowerId2c
Entries 90
Mean 4002
RMS 449.7
Underflow 0
Overflow 0
softId

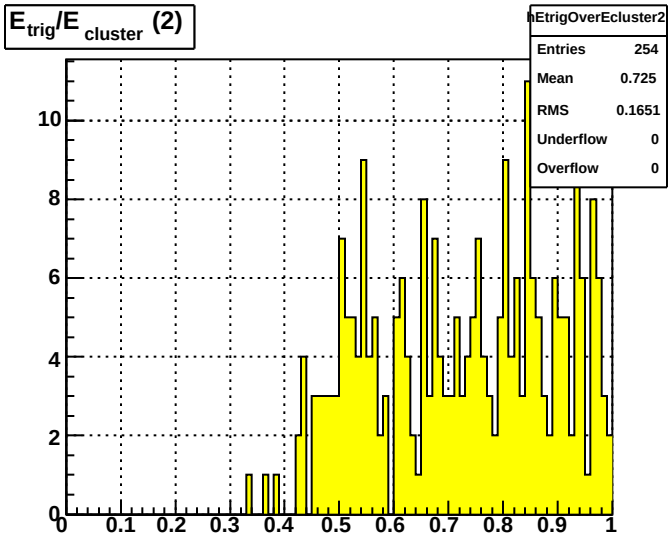

VPD vertex
hVpdVertex
Entries 254
Mean -28.64
RMS 50
Underflow 170
Overflow 2
χ² / ndf 11.79 / 54
Constant 1.918 ± 2.276
Mean -493.1 ± 634.6
Sigma 499.7 ± 453.3
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 254
Mean -15.43
RMS 43.69
Underflow 31
Overflow 10
χ² / ndf 49.83 / 73
Constant 2.93 ± 0.32
Mean -9.949 ± 6.515
Sigma 60.3 ± 8.9
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 254
Mean x -14.22
Mean y 1.456
RMS x 48.82
RMS y 21.08
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 254
Mean x -13.09
Mean y -5.773
RMS x 42.21
RMS y 33.18
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 254
Mean 0.8359
RMS 0.1227
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 254
Mean 0.725
RMS 0.1651
Underflow 0
Overflow 0