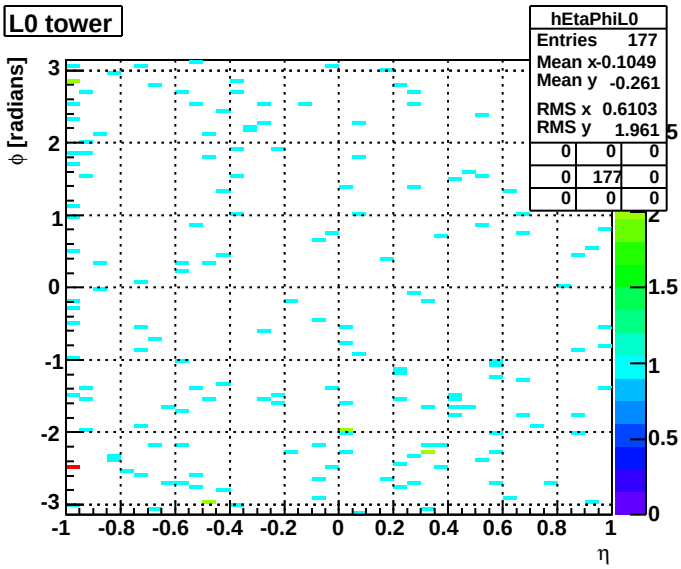
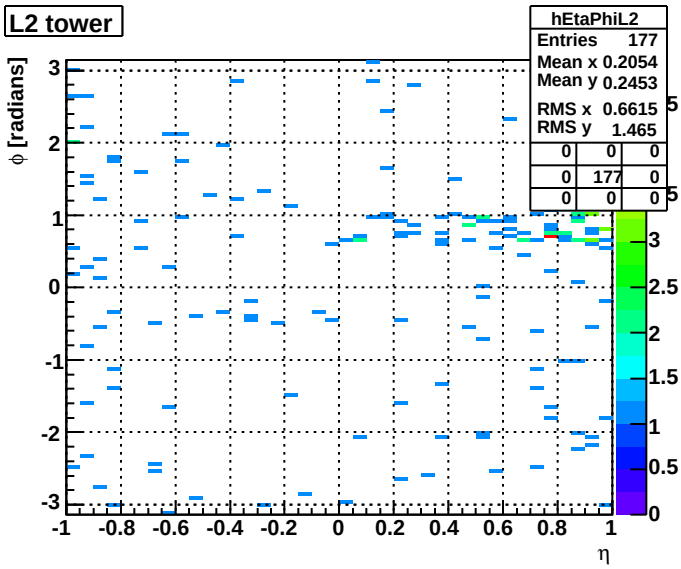
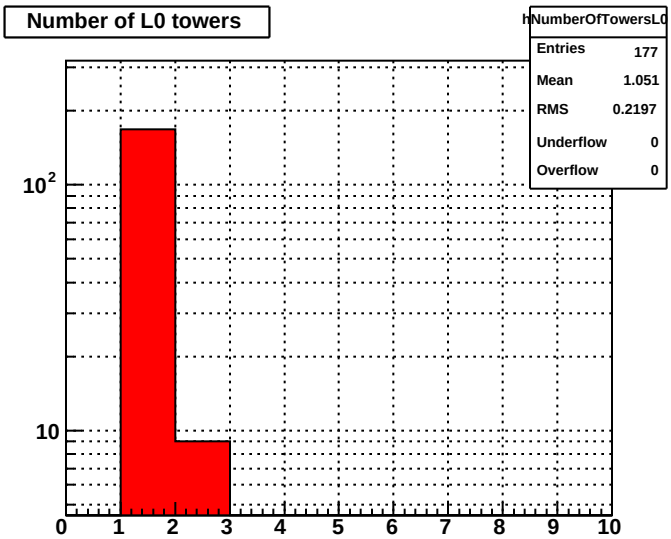
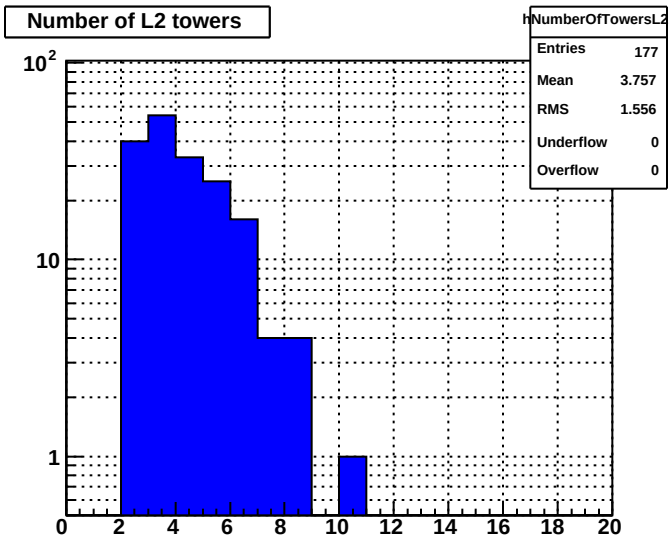
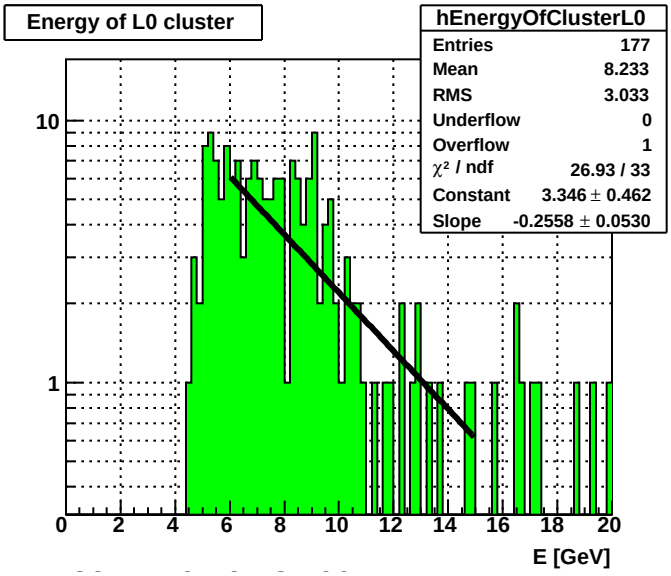
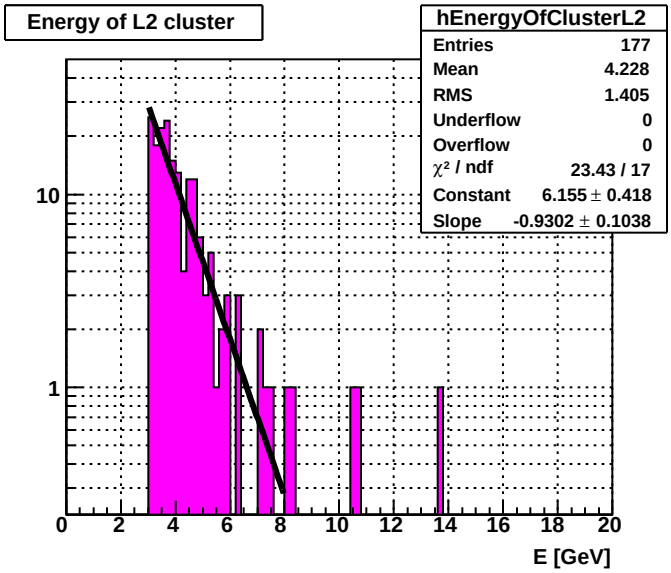

L0 tower
hEtaPhiL0
Entries 177
Mean x -0.1049
Mean y -0.261
RMS x 0.6103
RMS y 1.961
φ [radians]
η

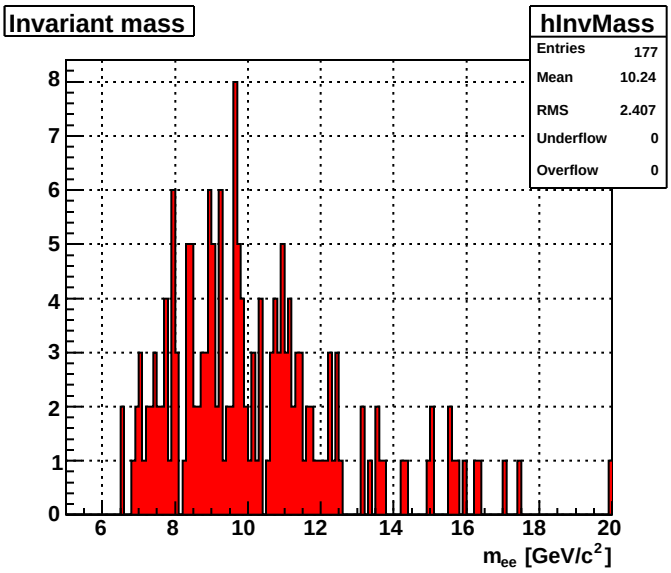

L2 tower
hEtaPhiL2
Entries 177
Mean x 0.2054
Mean y 0.2453
RMS x 0.6615
RMS y 1.465
φ [radians]
η

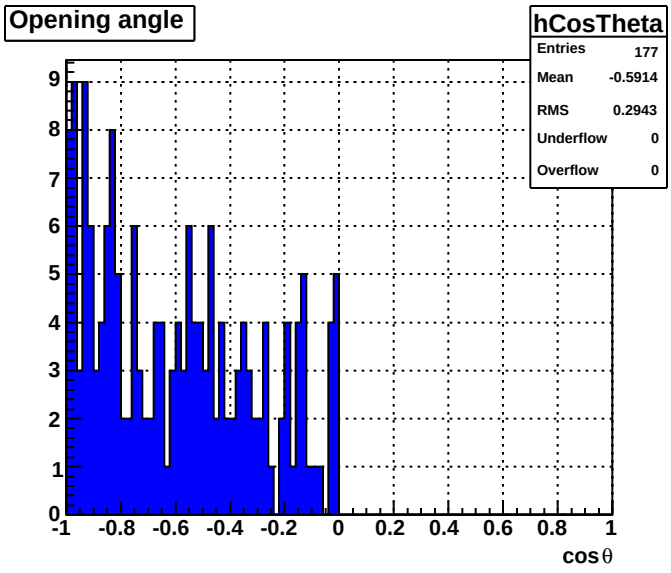

Number of L0 towers
hNumberOfTowersL0
Entries 177
Mean 1.051
RMS 0.2197
Underflow 0
Overflow 0

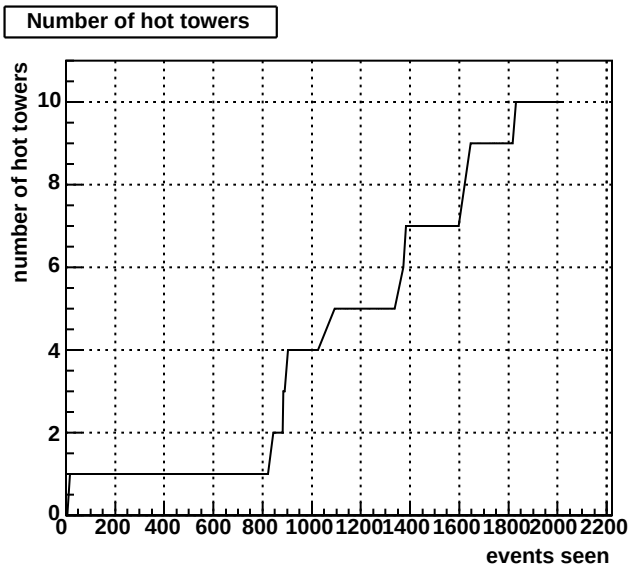

Number of L2 towers
hNumberOfTowersL2
Entries 177
Mean 3.757
RMS 1.556
Underflow 0
Overflow 0

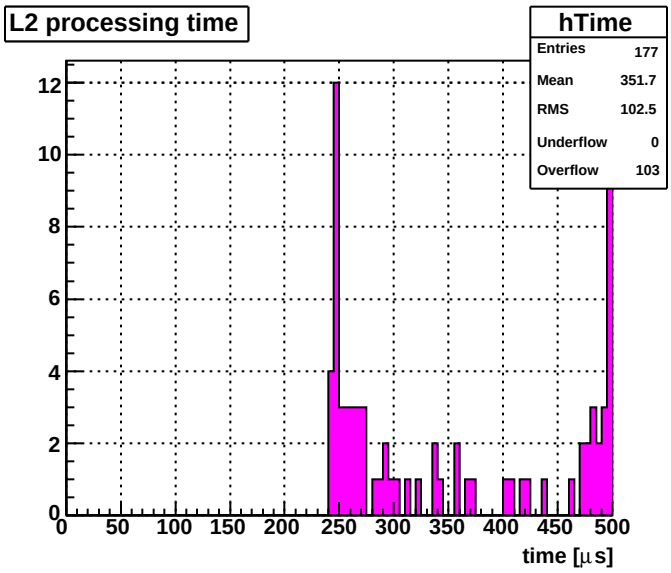

Energy of L0 cluster
hEnergyOfClusterL0
Entries 177
Mean 8.233
RMS 3.033
Underflow 0
Overflow 1
χ² / ndf 26.93 / 33
Constant 3.346 ± 0.462
Slope -0.2558 ± 0.0530
E [GeV]

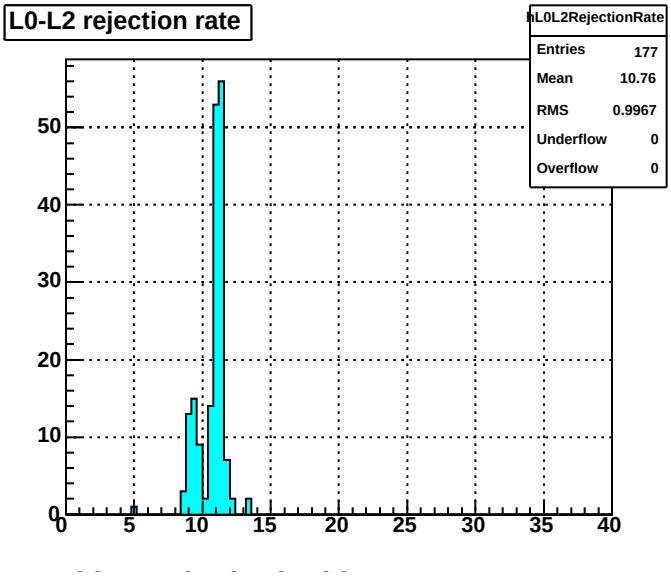

Energy of L2 cluster
hEnergyOfClusterL2
Entries 177
Mean 4.228
RMS 1.405
Underflow 0
Overflow 0
χ² / ndf 23.43 / 17
Constant 6.155 ± 0.418
Slope -0.9302 ± 0.1038
E [GeV]

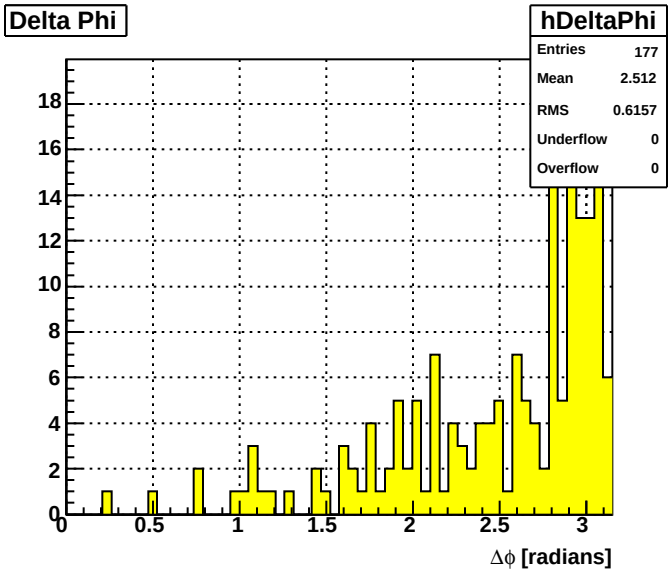

Invariant mass
hInvMass
Entries 177
Mean 10.24
RMS 2.407
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

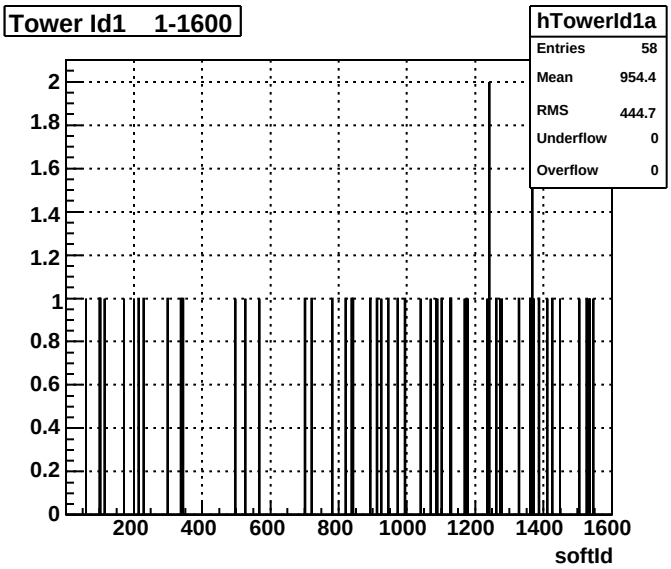

Opening angle
hCosTheta
Entries 177
Mean -0.5914
RMS 0.2943
Underflow 0
Overflow 0
cos θ

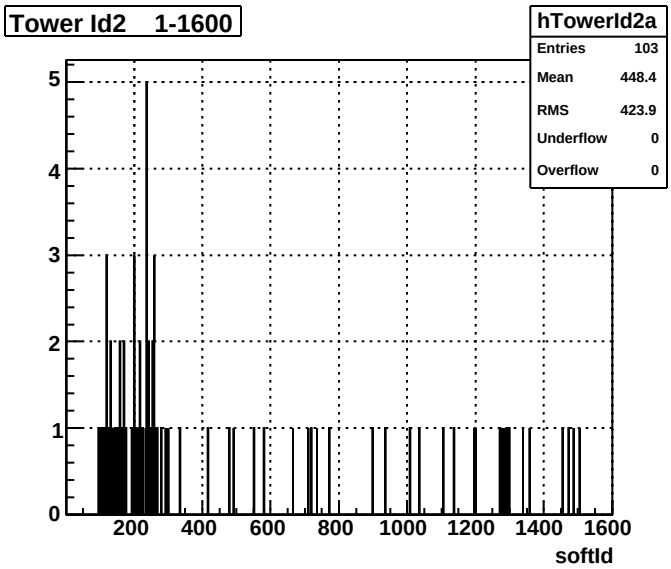

Number of hot towers
number of hot towers
events seen

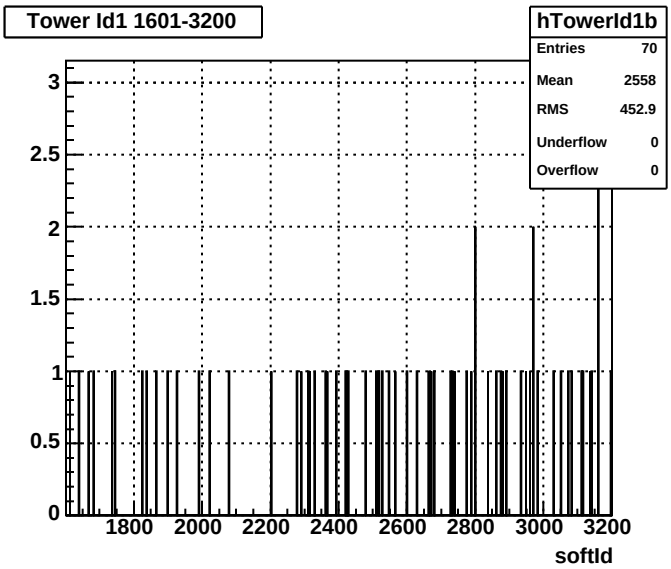

L2 processing time
hTime
Entries 177
Mean 351.7
RMS 102.5
Underflow 0
Overflow 103
time [μs]

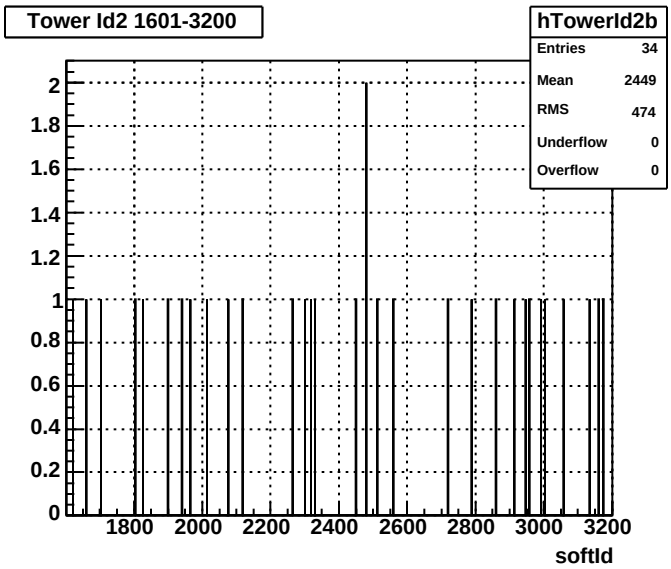

L0-L2 rejection rate
hL0L2RejectionRate
Entries 177
Mean 10.76
RMS 0.9967
Underflow 0
Overflow 0

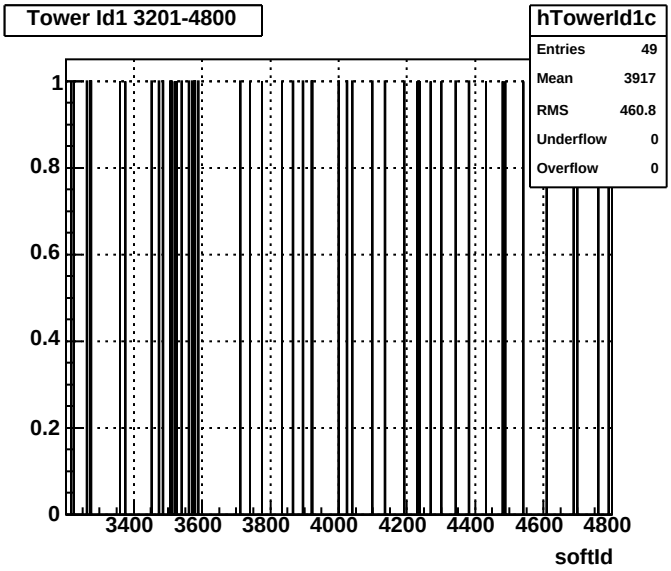

Delta Phi
hDeltaPhi
Entries 177
Mean 2.512
RMS 0.6157
Underflow 0
Overflow 0
Δφ [radians]

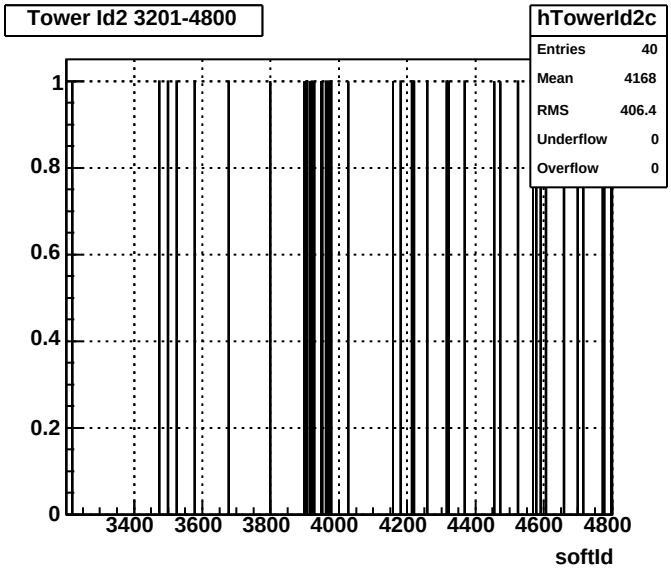

Tower Id1 1-1600
hTowerId1a
Entries 58
Mean 954.4
RMS 444.7
Underflow 0
Overflow 0
softId

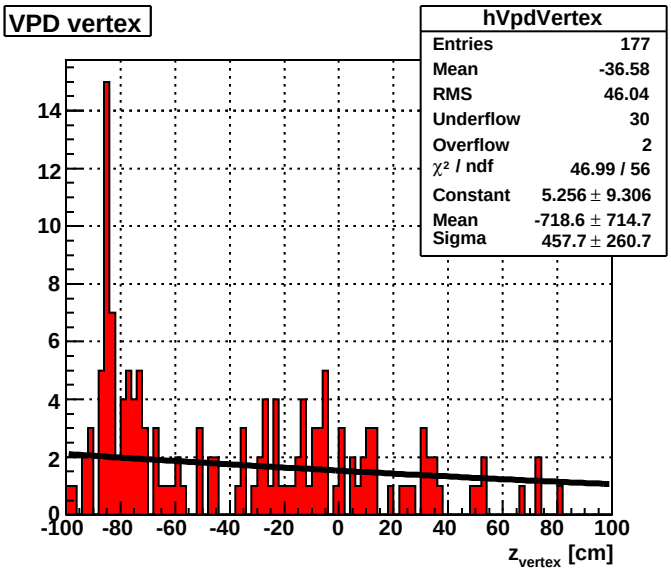

Tower Id2 1-1600
hTowerId2a
Entries 103
Mean 448.4
RMS 423.9
Underflow 0
Overflow 0
softId

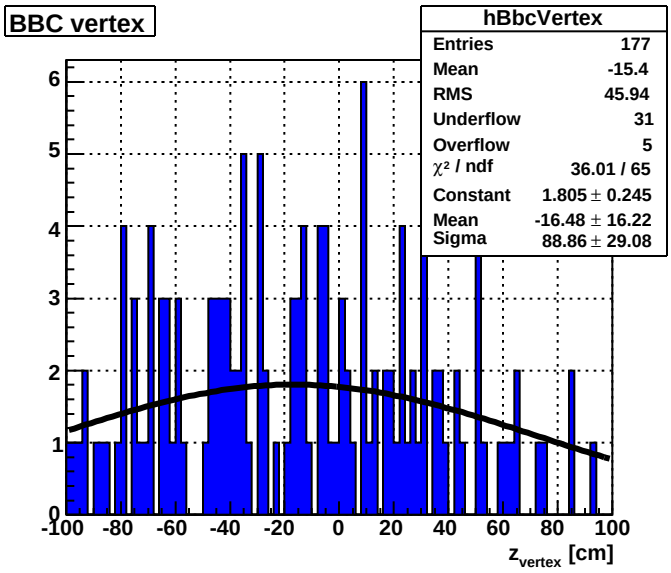

Tower Id1 1601-3200
hTowerId1b
Entries 70
Mean 2558
RMS 452.9
Underflow 0
Overflow 0
softId

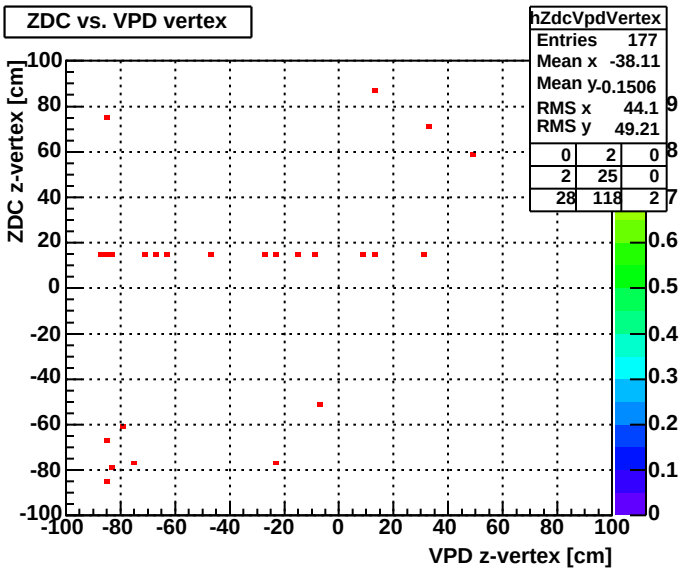

Tower Id2 1601-3200
hTowerId2b
Entries 34
Mean 2449
RMS 474
Underflow 0
Overflow 0
softId

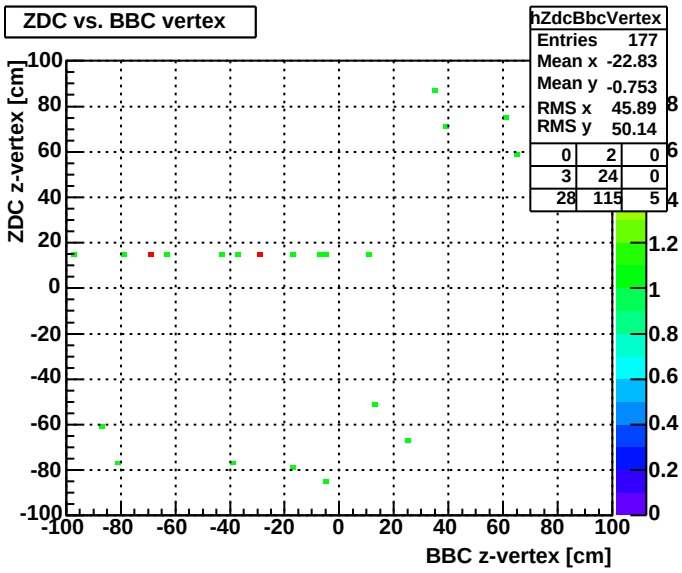

Tower Id1 3201-4800
hTowerId1c
Entries 49
Mean 3917
RMS 460.8
Underflow 0
Overflow 0
softId

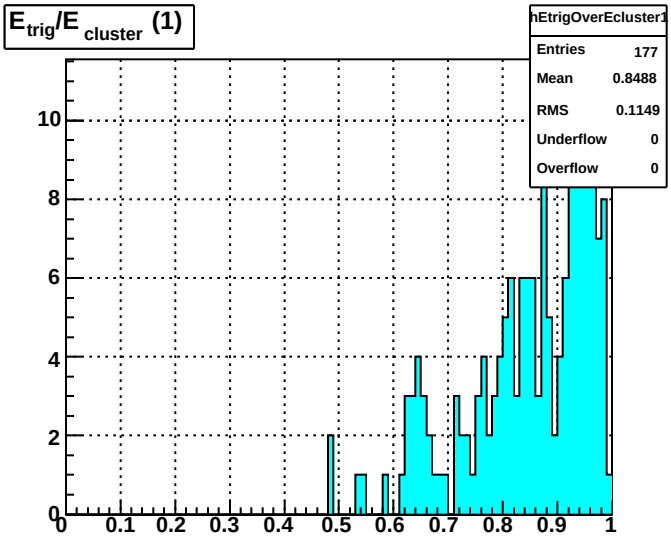

Tower Id2 3201-4800
hTowerId2c
Entries 40
Mean 4168
RMS 406.4
Underflow 0
Overflow 0
softId

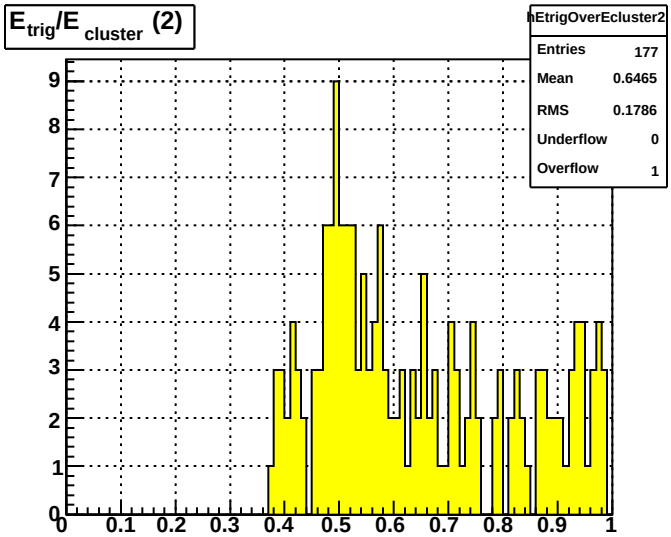

VPD vertex
hVpdVertex
Entries 177
Mean -36.58
RMS 46.04
Underflow 30
Overflow 2
χ² / ndf 46.99 / 56
Constant 5.256 ± 9.306
Mean -718.6 ± 714.7
Sigma 457.7 ± 260.7
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 177
Mean -15.4
RMS 45.94
Underflow 31
Overflow 5
χ² / ndf 36.01 / 65
Constant 1.805 ± 0.245
Mean -16.48 ± 16.22
Sigma 88.86 ± 29.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 177
Mean x -38.11
Mean y -0.1506
RMS x 44.1
RMS y 49.21
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 177
Mean x -22.83
Mean y -0.753
RMS x 45.89
RMS y 50.14
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 177
Mean 0.8488
RMS 0.1149
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 177
Mean 0.6465
RMS 0.1786
Underflow 0
Overflow 1