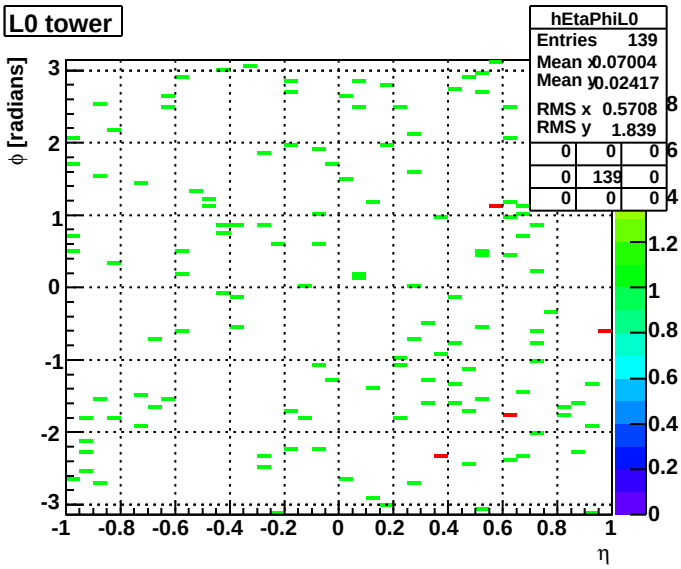
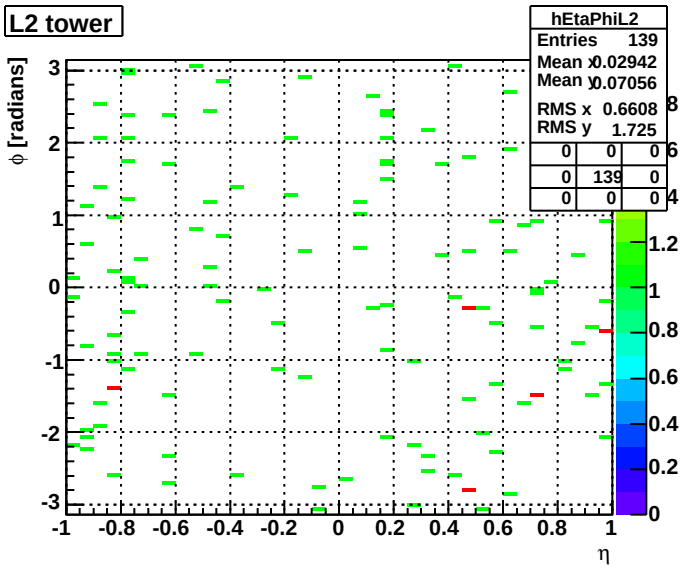
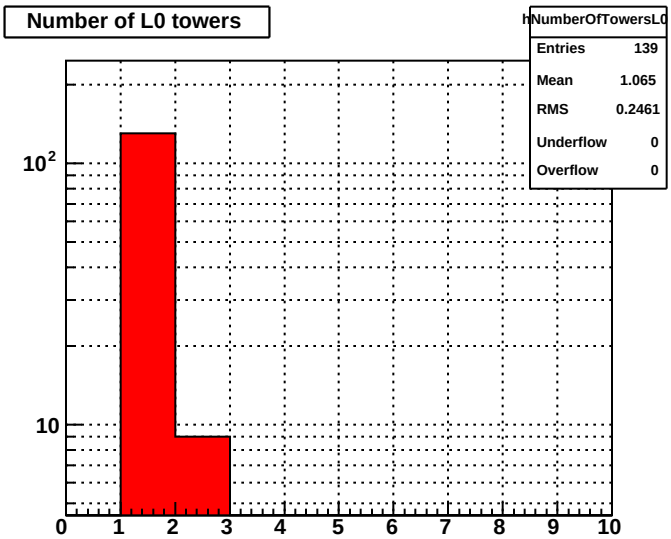
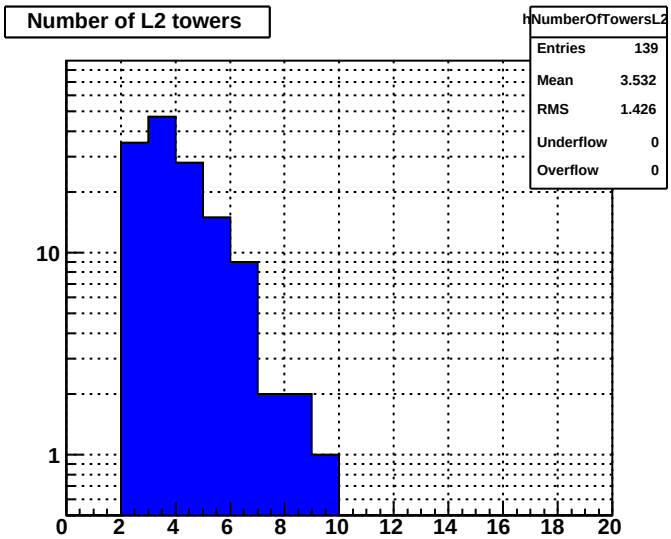
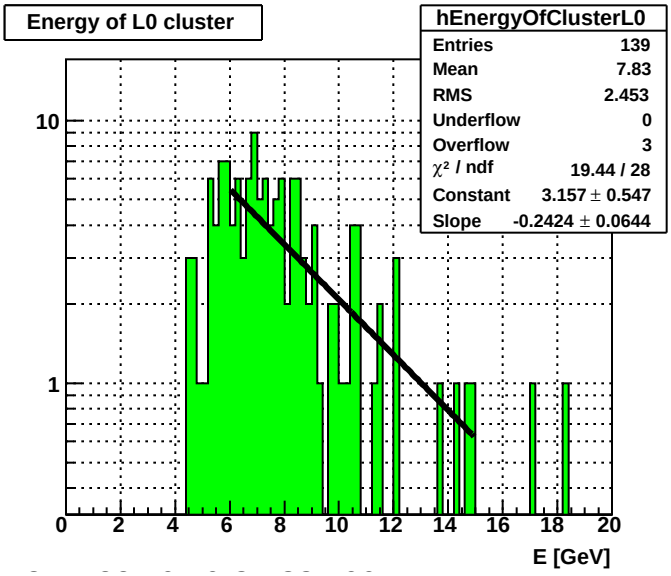
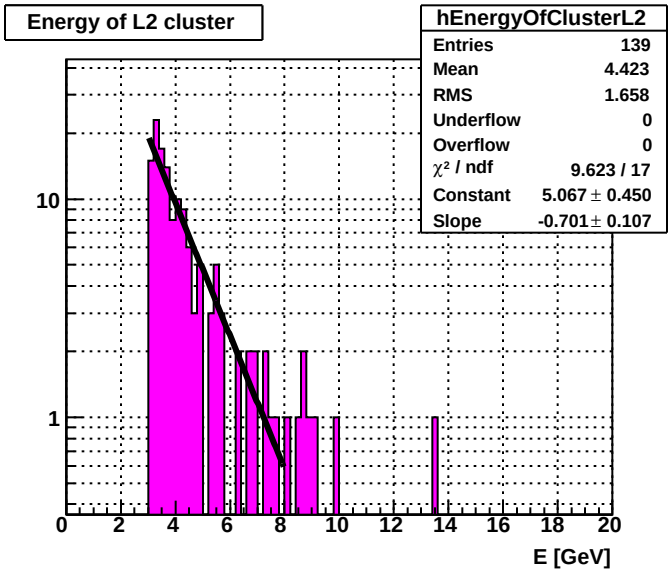

L0 tower
hEtaPhiL0
Entries 139
Mean x 0.07004
Mean y 0.02417
RMS x 0.5708
RMS y 1.839
φ [radians]
η

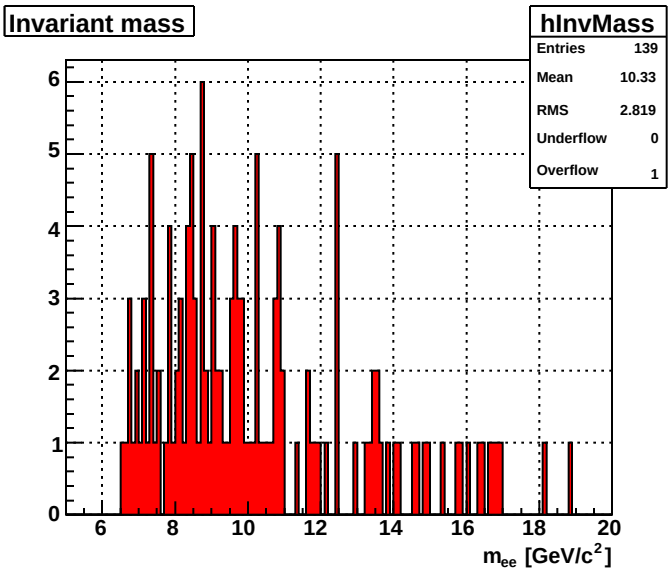

L2 tower
hEtaPhiL2
Entries 139
Mean x 0.02942
Mean y 0.07056
RMS x 0.6608
RMS y 1.725
φ [radians]
η

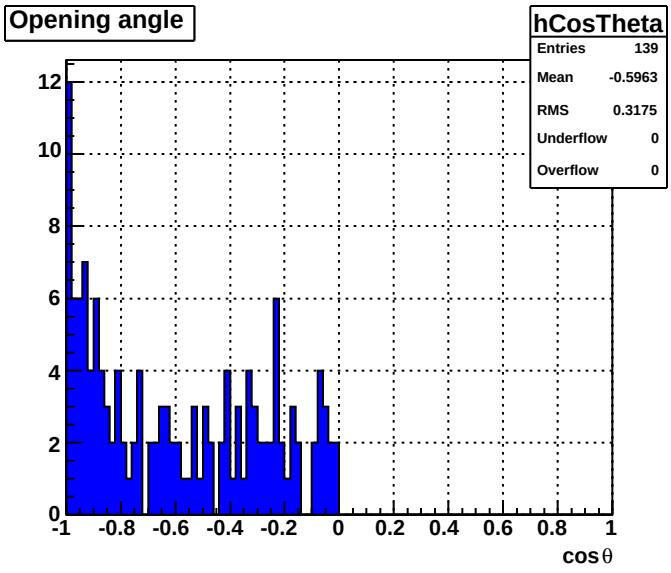

Number of L0 towers
hNumberOfTowersL0
Entries 139
Mean 1.065
RMS 0.2461
Underflow 0
Overflow 0

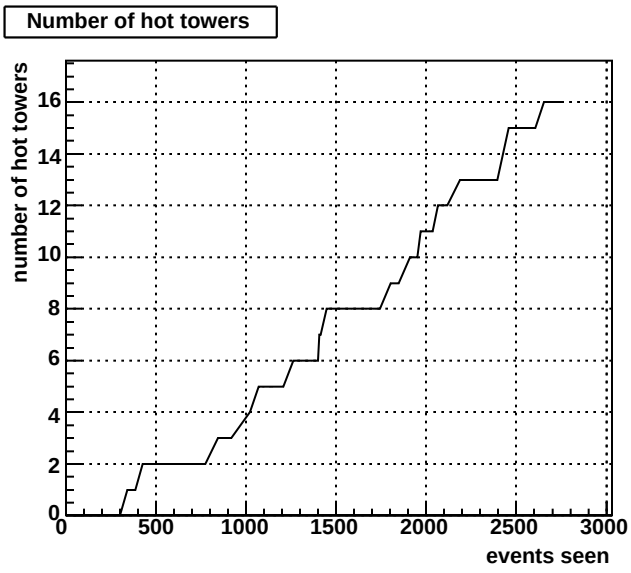

Number of L2 towers
hNumberOfTowersL2
Entries 139
Mean 3.532
RMS 1.426
Underflow 0
Overflow 0

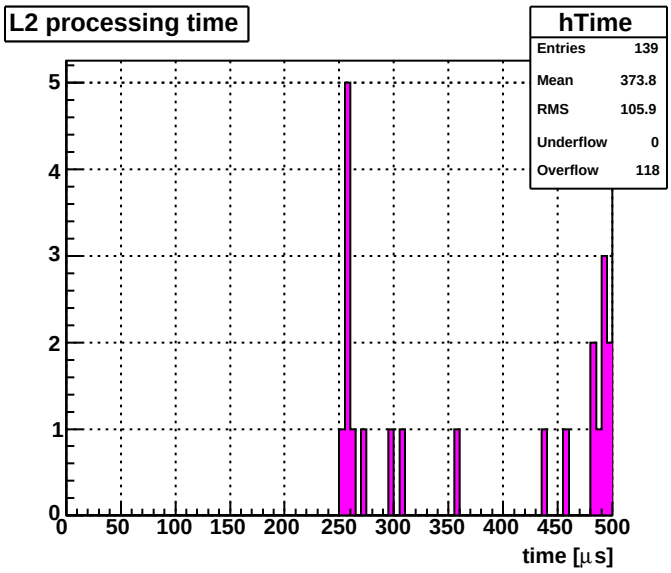

Energy of L0 cluster
hEnergyOfClusterL0
Entries 139
Mean 7.83
RMS 2.453
Underflow 0
Overflow 3
χ² / ndf 19.44 / 28
Constant 3.157 ± 0.547
Slope -0.2424 ± 0.0644
E [GeV]

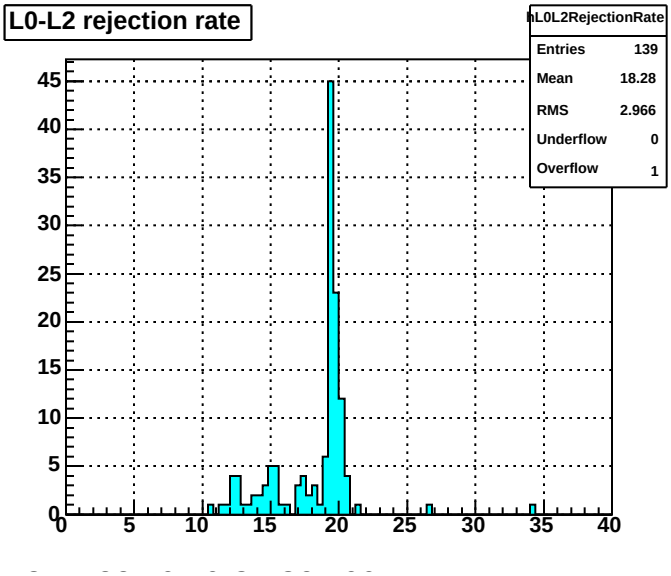

Energy of L2 cluster
hEnergyOfClusterL2
Entries 139
Mean 4.423
RMS 1.658
Underflow 0
Overflow 0
χ² / ndf 9.623 / 17
Constant 5.067 ± 0.450
Slope -0.701 ± 0.107
E [GeV]

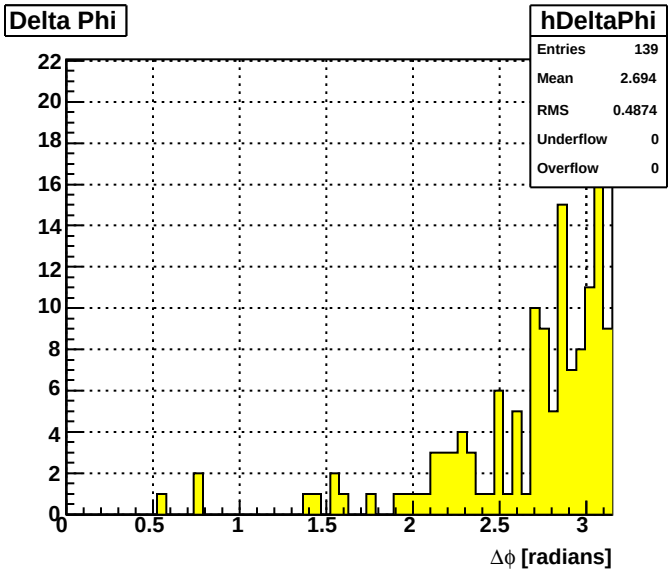

Invariant mass
hInvMass
Entries 139
Mean 10.33
RMS 2.819
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

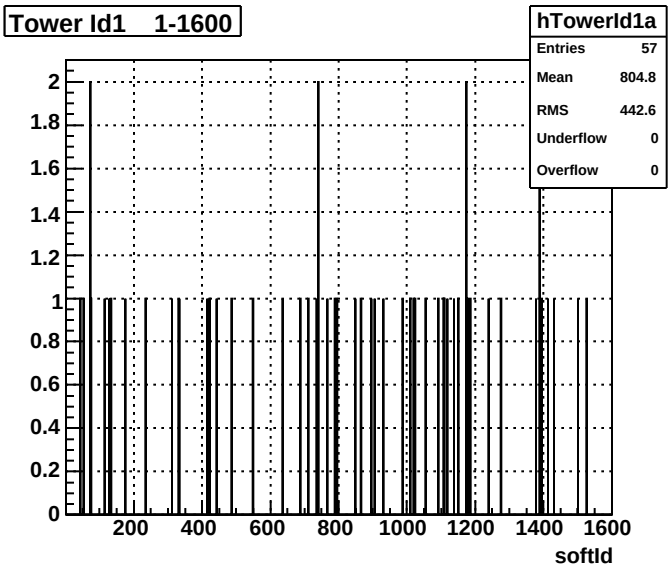

Opening angle
hCosTheta
Entries 139
Mean -0.5963
RMS 0.3175
Underflow 0
Overflow 0
cos θ

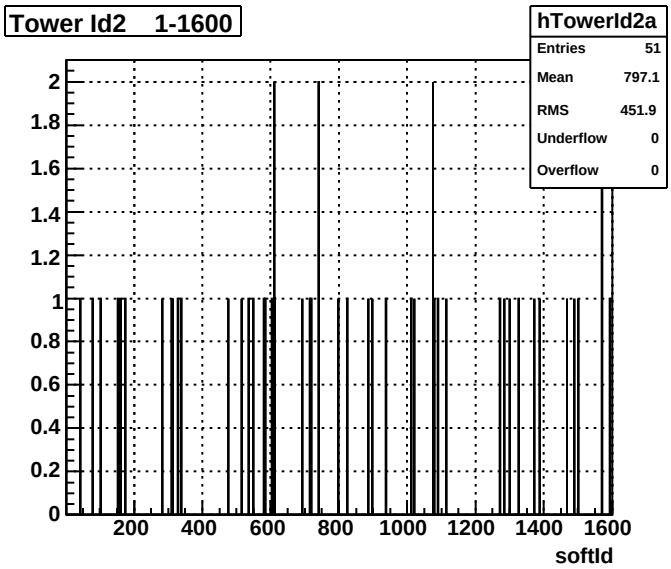

Number of hot towers
number of hot towers
events seen

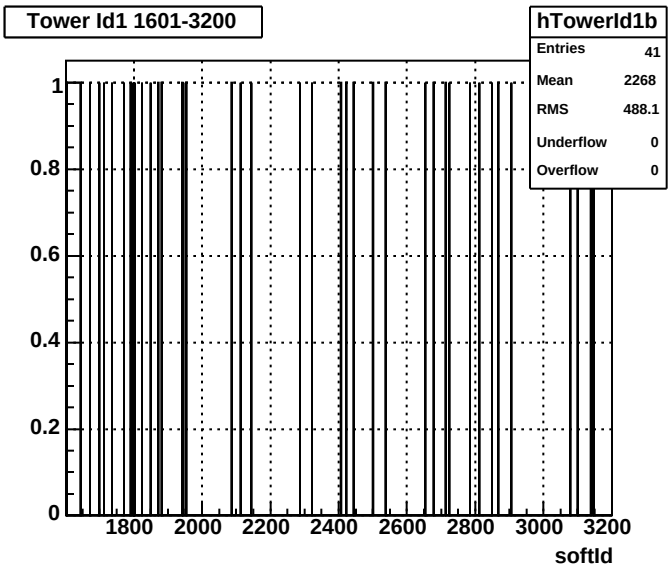

L2 processing time
hTime
Entries 139
Mean 373.8
RMS 105.9
Underflow 0
Overflow 118
time [μs]

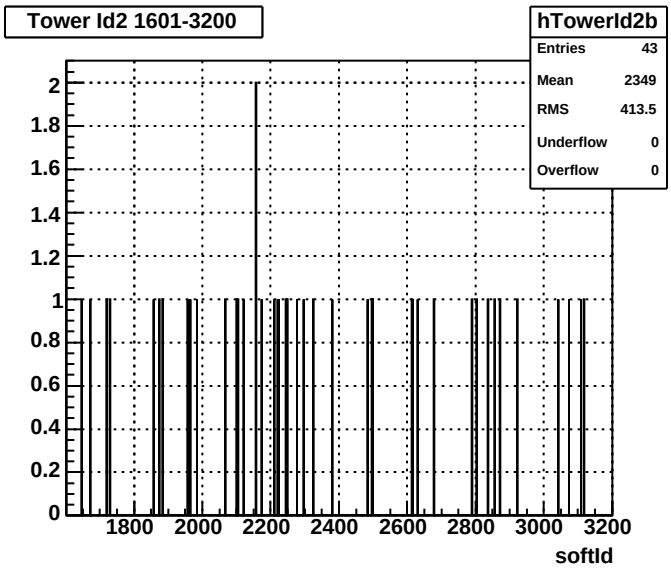

L0-L2 rejection rate
hL0L2RejectionRate
Entries 139
Mean 18.28
RMS 2.966
Underflow 0
Overflow 1

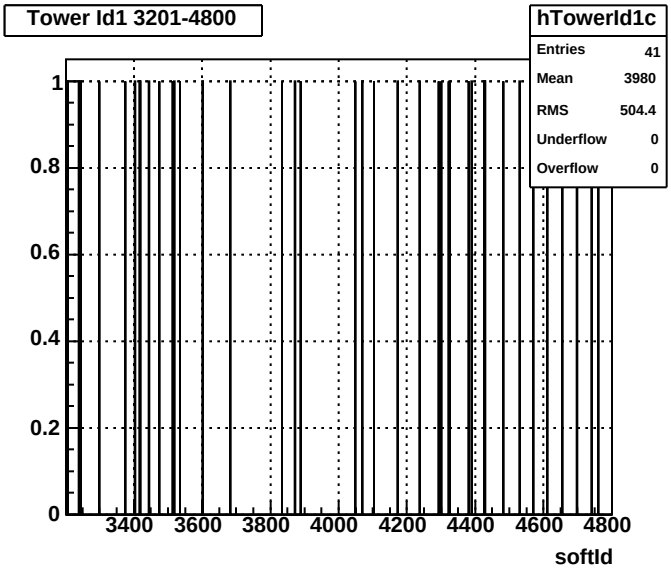

Delta Phi
hDeltaPhi
Entries 139
Mean 2.694
RMS 0.4874
Underflow 0
Overflow 0
Δφ [radians]

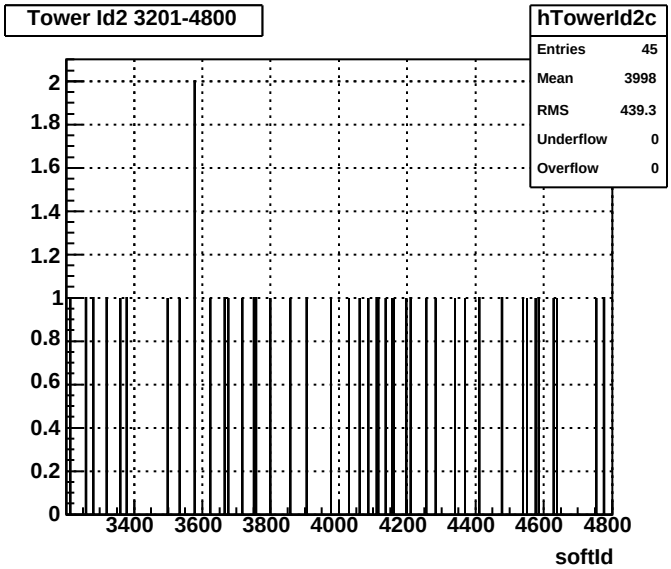

Tower Id1 1-1600
hTowerId1a
Entries 57
Mean 804.8
RMS 442.6
Underflow 0
Overflow 0
softId

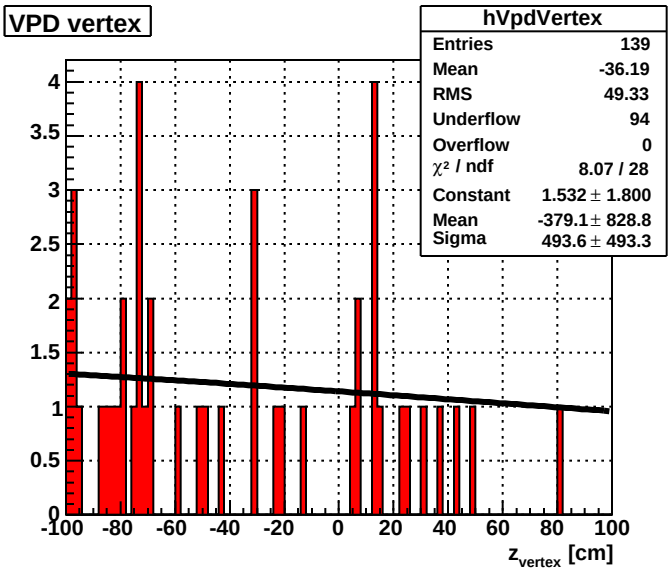

Tower Id2 1-1600
hTowerId2a
Entries 51
Mean 797.1
RMS 451.9
Underflow 0
Overflow 0
softId

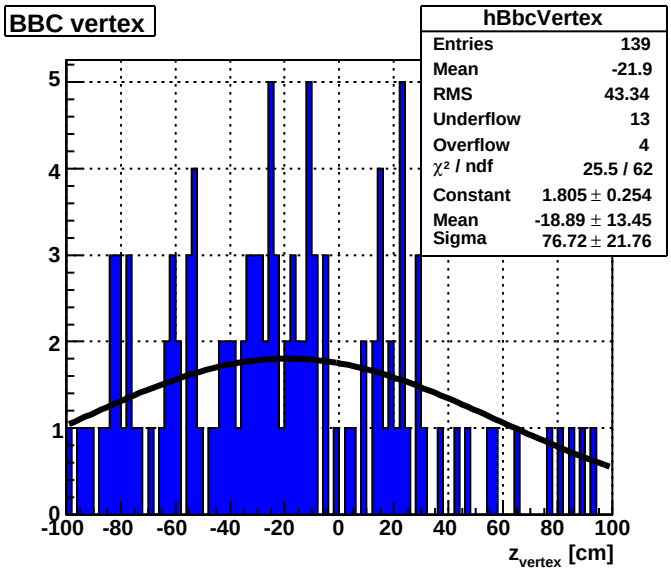

Tower Id1 1601-3200
hTowerId1b
Entries 41
Mean 2268
RMS 488.1
Underflow 0
Overflow 0
softId

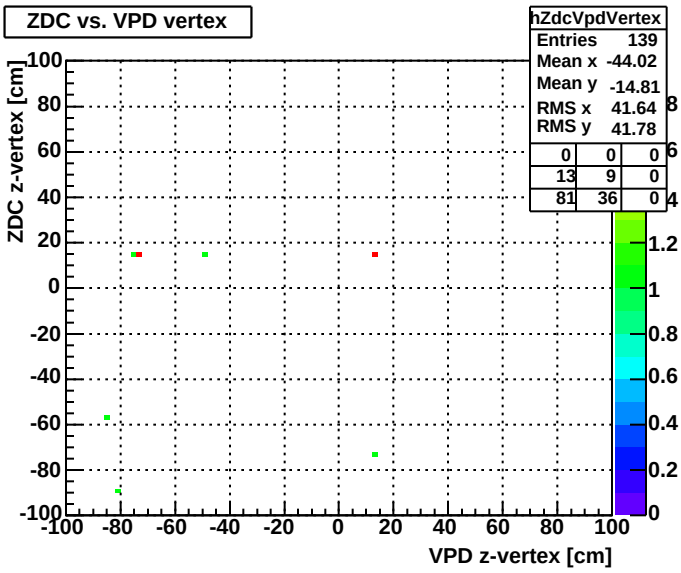

Tower Id2 1601-3200
hTowerId2b
Entries 43
Mean 2349
RMS 413.5
Underflow 0
Overflow 0
softId

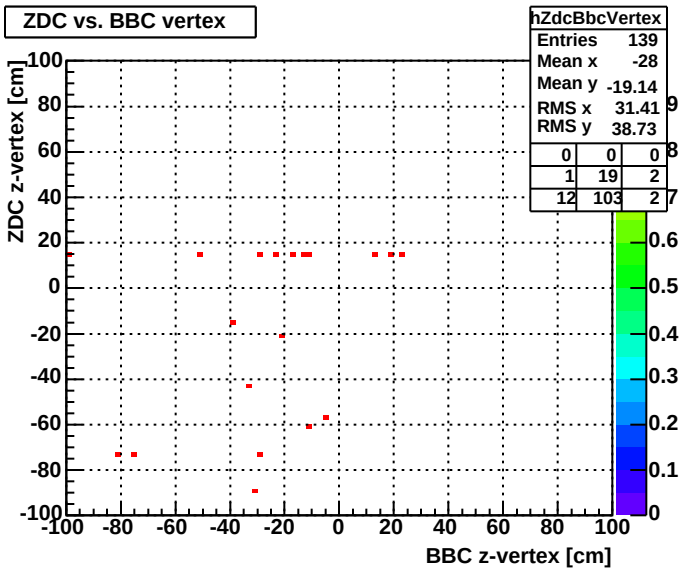

Tower Id1 3201-4800
hTowerId1c
Entries 41
Mean 3980
RMS 504.4
Underflow 0
Overflow 0
softId

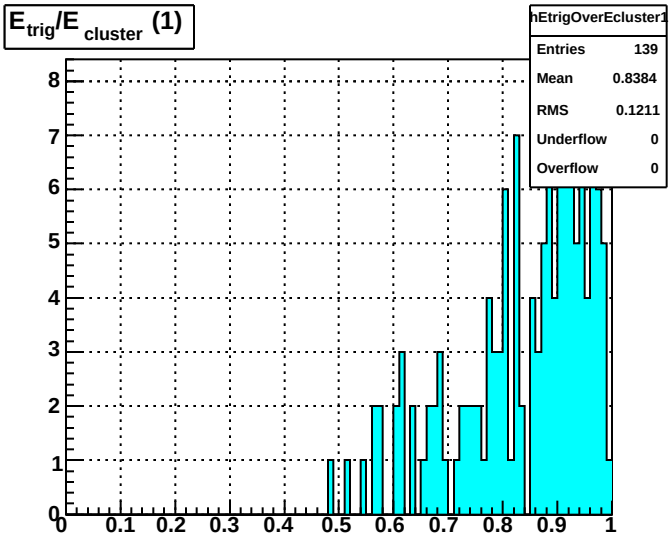

Tower Id2 3201-4800
hTowerId2c
Entries 45
Mean 3998
RMS 439.3
Underflow 0
Overflow 0
softId

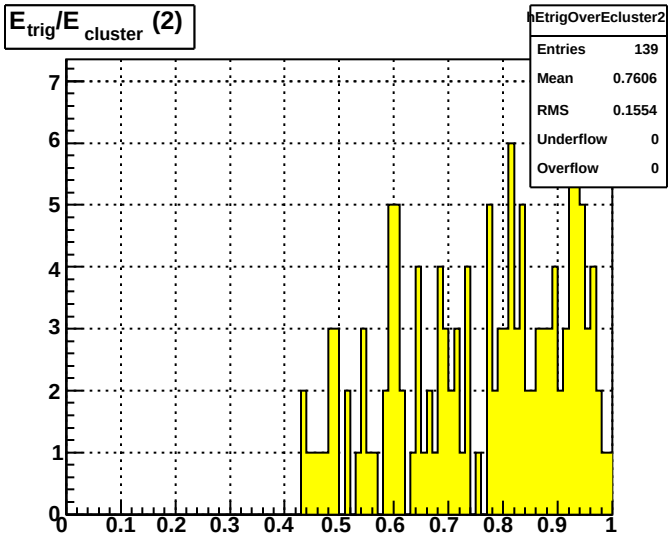

VPD vertex
hVpdVertex
Entries 139
Mean -36.19
RMS 49.33
Underflow 94
Overflow 0
χ² / ndf 8.07 / 28
Constant 1.532 ± 1.800
Mean -379.1 ± 828.8
Sigma 493.6 ± 493.3
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 139
Mean -21.9
RMS 43.34
Underflow 13
Overflow 4
χ² / ndf 25.5 / 62
Constant 1.805 ± 0.254
Mean -18.89 ± 13.45
Sigma 76.72 ± 21.76
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 139
Mean x -44.02
Mean y -14.81
RMS x 41.64
RMS y 41.78
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 139
Mean x -28
Mean y -19.14
RMS x 31.41
RMS y 38.73
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 139
Mean 0.8384
RMS 0.1211
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 139
Mean 0.7606
RMS 0.1554
Underflow 0
Overflow 0