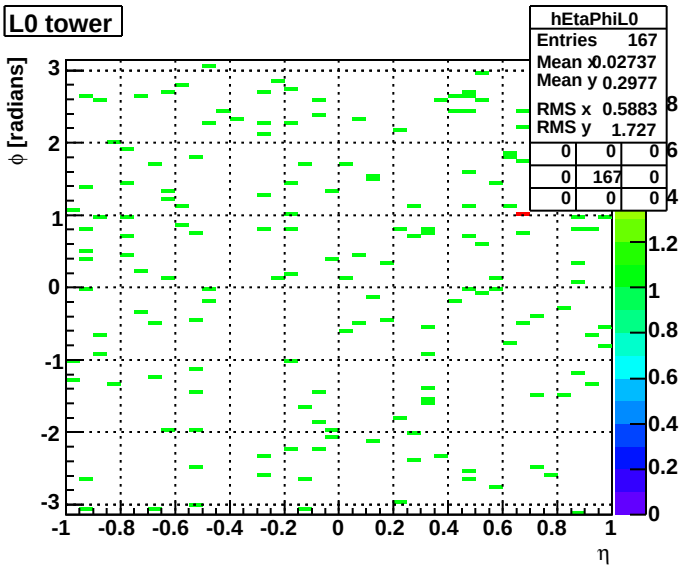
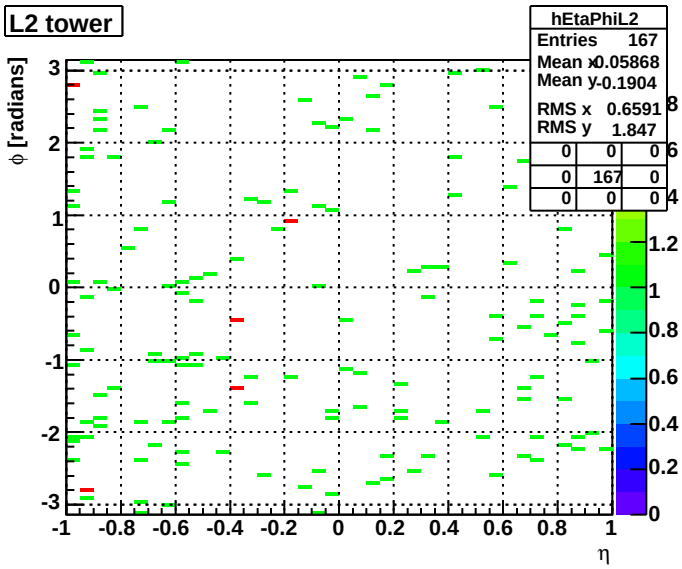
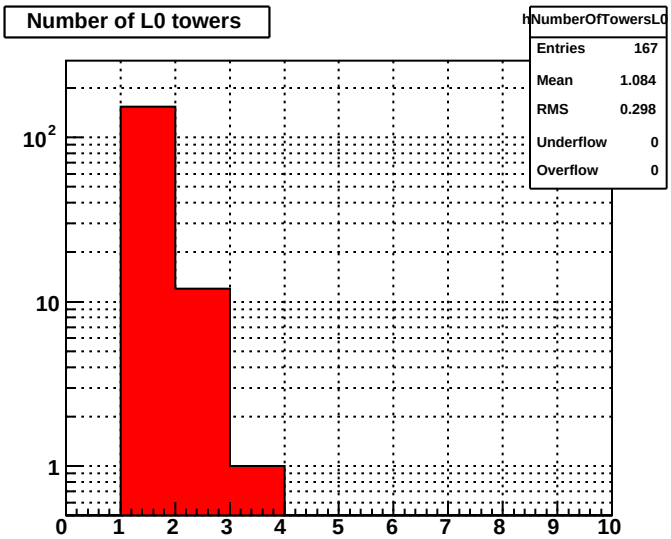
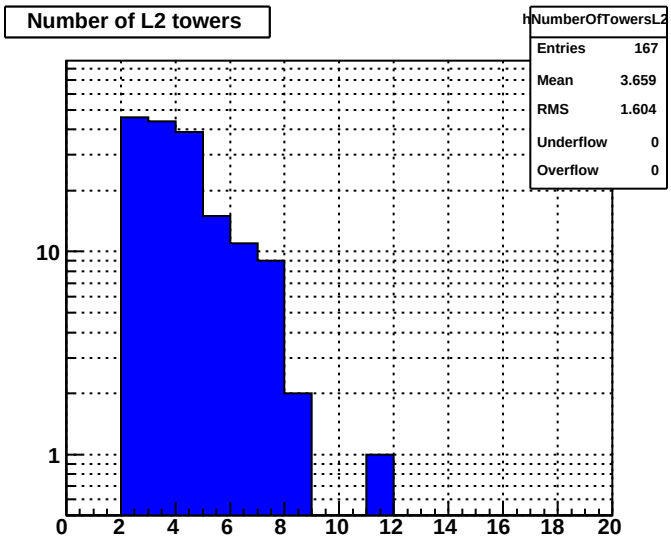
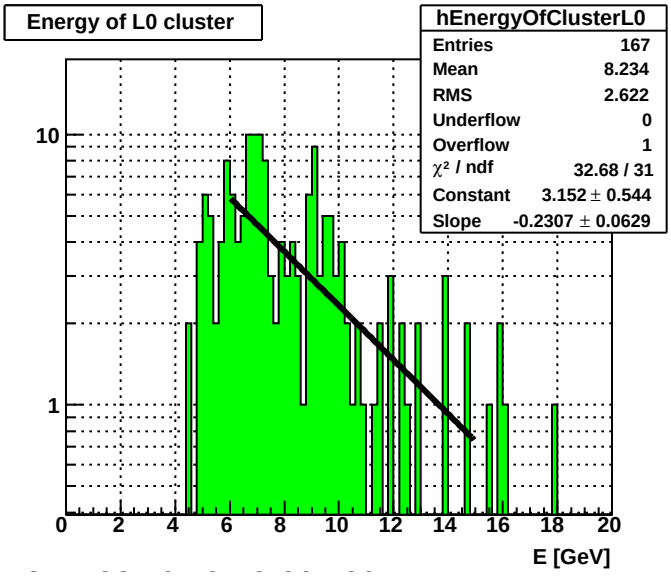
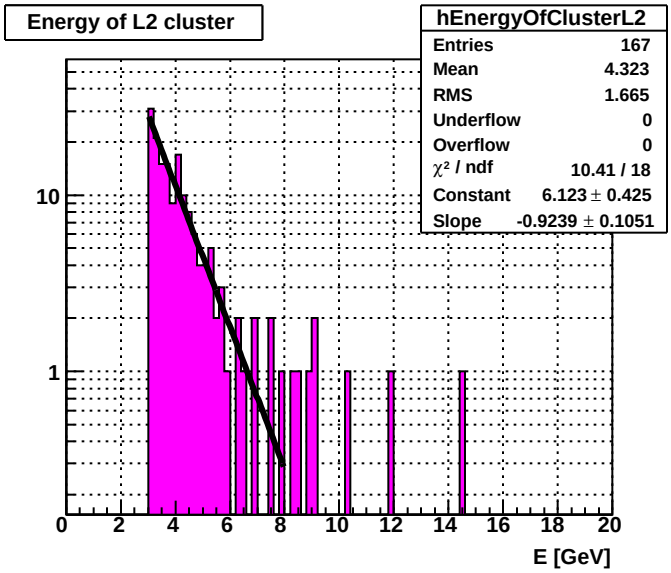

L0 tower
hEtaPhiL0
Entries 167
Mean x 0.02737
Mean y 0.2977
RMS x 0.5883
RMS y 1.727
φ [radians]
η

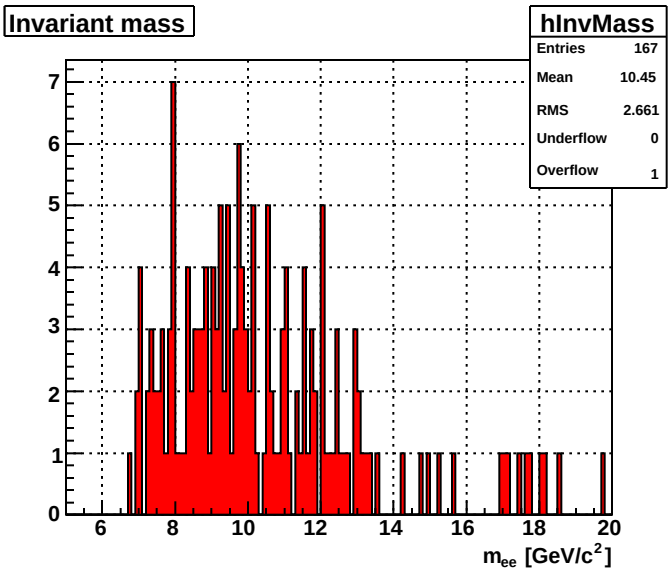

L2 tower
hEtaPhiL2
Entries 167
Mean x 0.05868
Mean y -0.1904
RMS x 0.6591
RMS y 1.847
φ [radians]
η

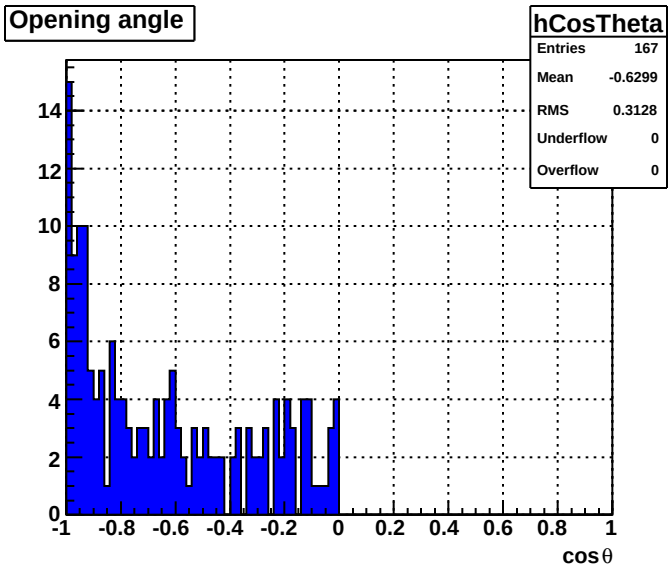

Number of L0 towers
hNumberOfTowersL0
Entries 167
Mean 1.084
RMS 0.298
Underflow 0
Overflow 0

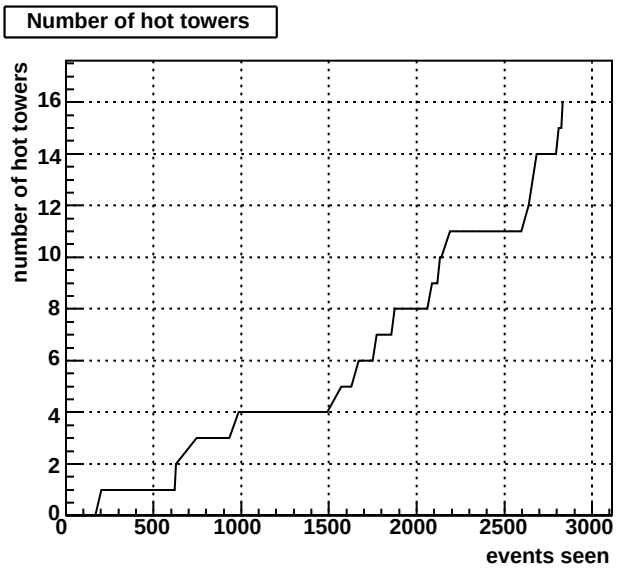

Number of L2 towers
hNumberOfTowersL2
Entries 167
Mean 3.659
RMS 1.604
Underflow 0
Overflow 0

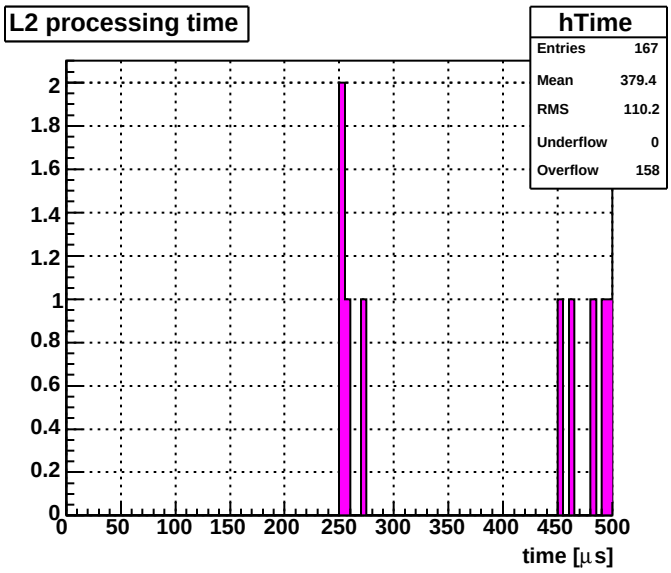

Energy of L0 cluster
hEnergyOfClusterL0
Entries 167
Mean 8.234
RMS 2.622
Underflow 0
Overflow 1
χ² / ndf 32.68 / 31
Constant 3.152 ± 0.544
Slope -0.2307 ± 0.0629
E [GeV]

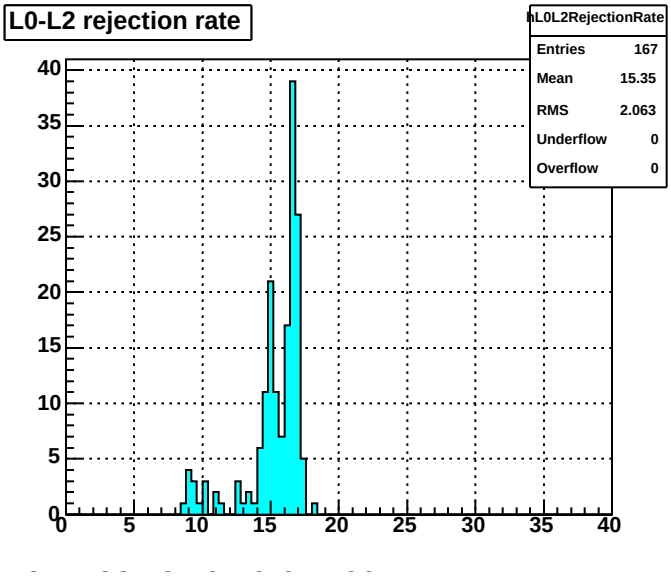

Energy of L2 cluster
hEnergyOfClusterL2
Entries 167
Mean 4.323
RMS 1.665
Underflow 0
Overflow 0
χ² / ndf 10.41 / 18
Constant 6.123 ± 0.425
Slope -0.9239 ± 0.1051
E [GeV]

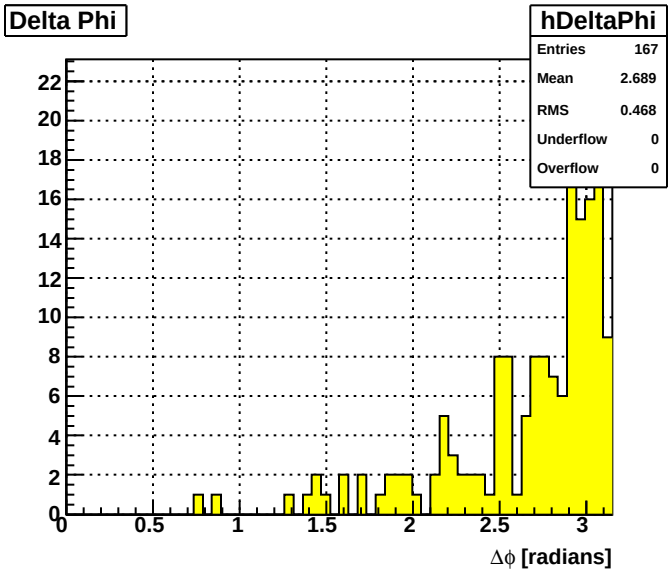

Invariant mass
hInvMass
Entries 167
Mean 10.45
RMS 2.661
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

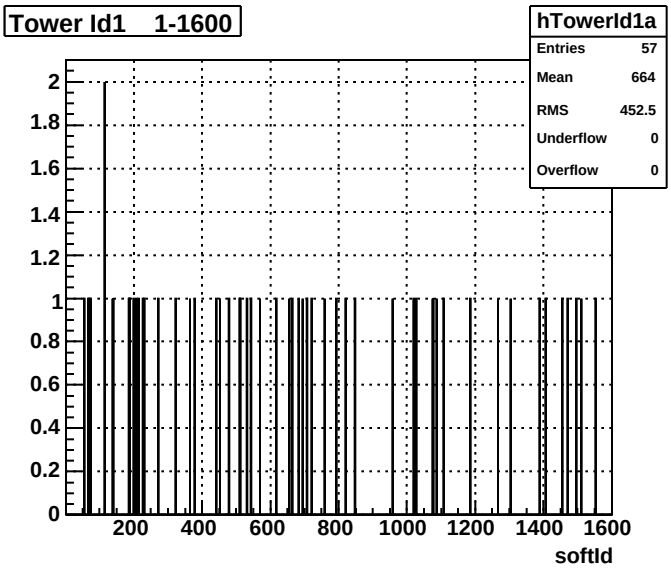

Opening angle
hCosTheta
Entries 167
Mean -0.6299
RMS 0.3128
Underflow 0
Overflow 0
cos θ

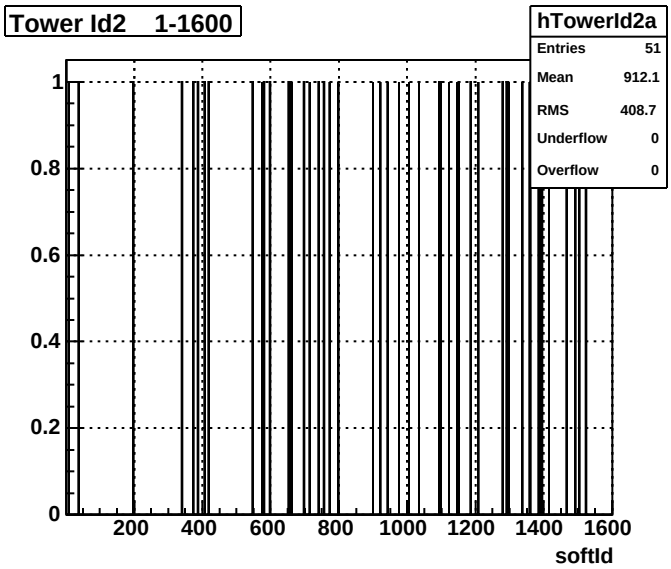

Number of hot towers
number of hot towers
events seen

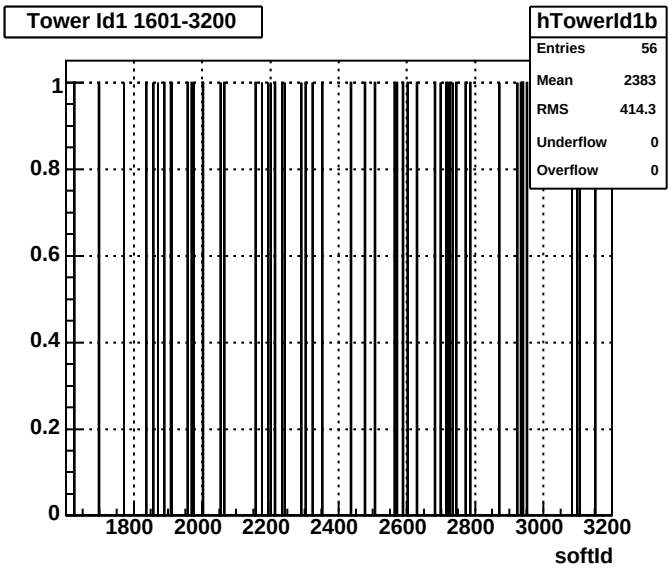

L2 processing time
hTime
Entries 167
Mean 379.4
RMS 110.2
Underflow 0
Overflow 158
time [μs]

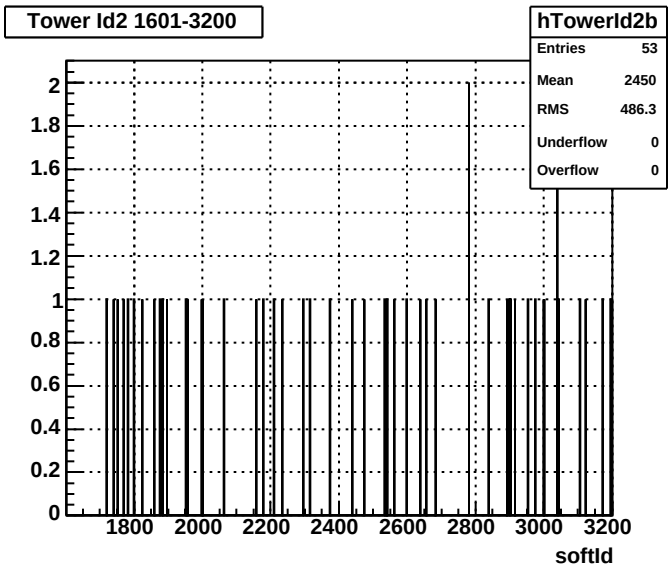

L0-L2 rejection rate
hL0L2RejectionRate
Entries 167
Mean 15.35
RMS 2.063
Underflow 0
Overflow 0

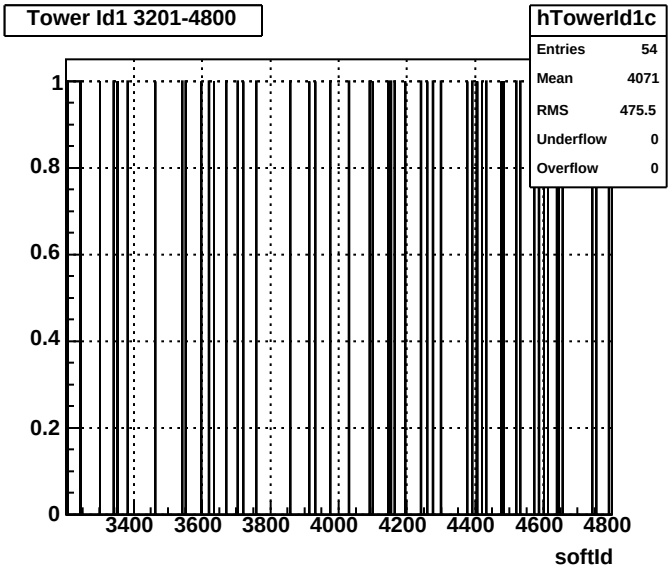

Delta Phi
hDeltaPhi
Entries 167
Mean 2.689
RMS 0.468
Underflow 0
Overflow 0
Δφ [radians]

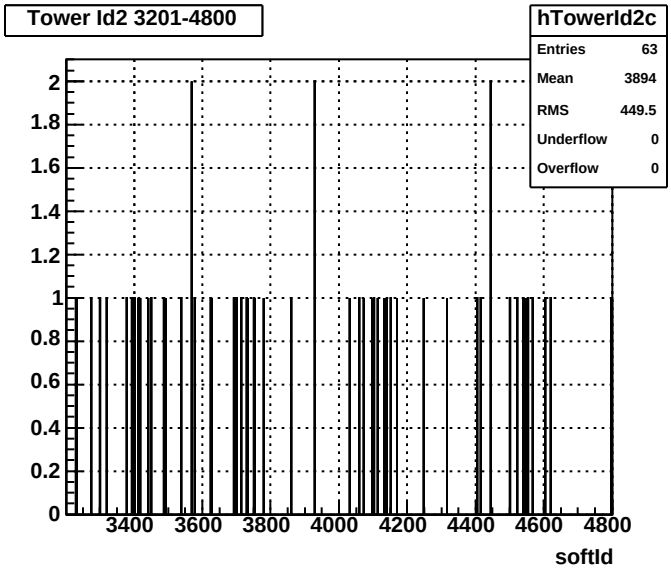

Tower Id1 1-1600
hTowerId1a
Entries 57
Mean 664
RMS 452.5
Underflow 0
Overflow 0
softId

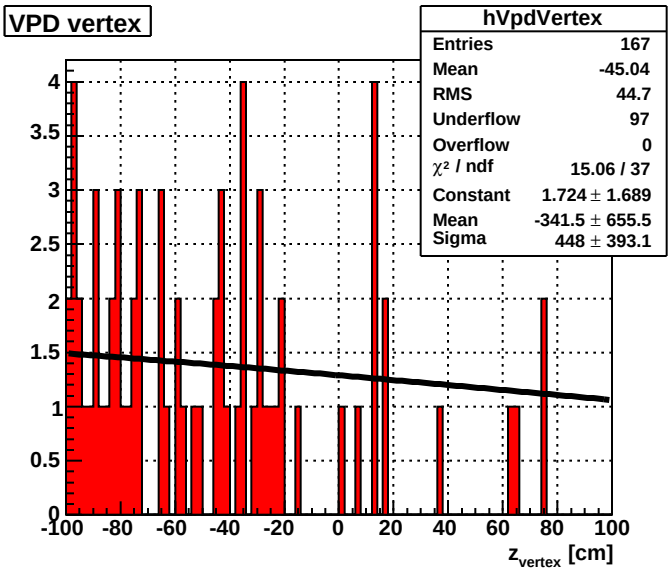

Tower Id2 1-1600
hTowerId2a
Entries 51
Mean 912.1
RMS 408.7
Underflow 0
Overflow 0
softId

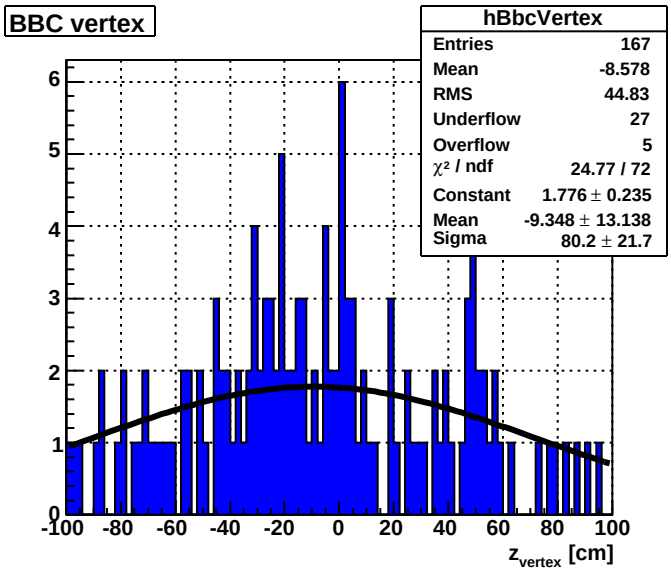

Tower Id1 1601-3200
hTowerId1b
Entries 56
Mean 2383
RMS 414.3
Underflow 0
Overflow 0
softId

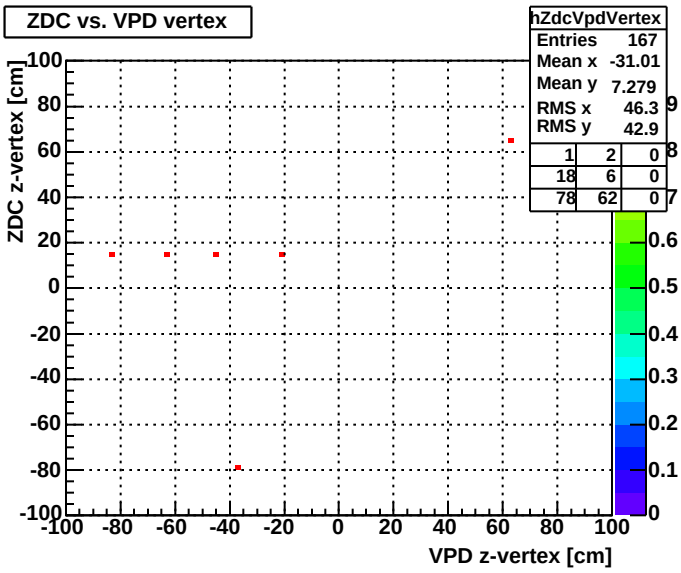

Tower Id2 1601-3200
hTowerId2b
Entries 53
Mean 2450
RMS 486.3
Underflow 0
Overflow 0
softId

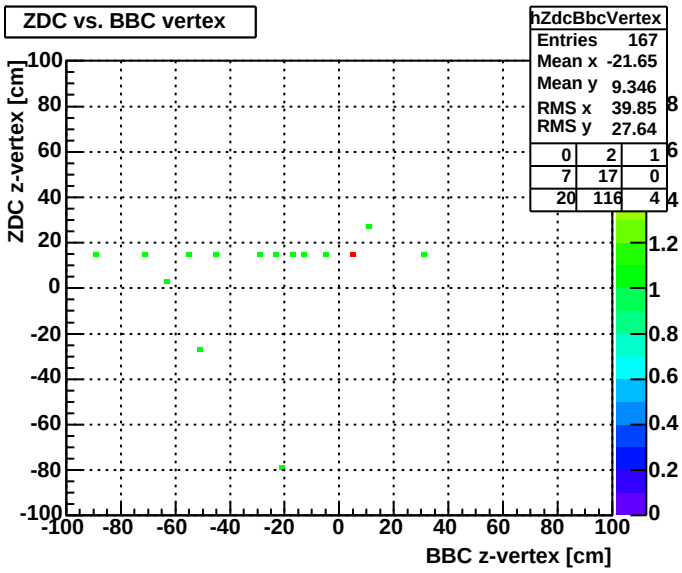

Tower Id1 3201-4800
hTowerId1c
Entries 54
Mean 4071
RMS 475.5
Underflow 0
Overflow 0
softId

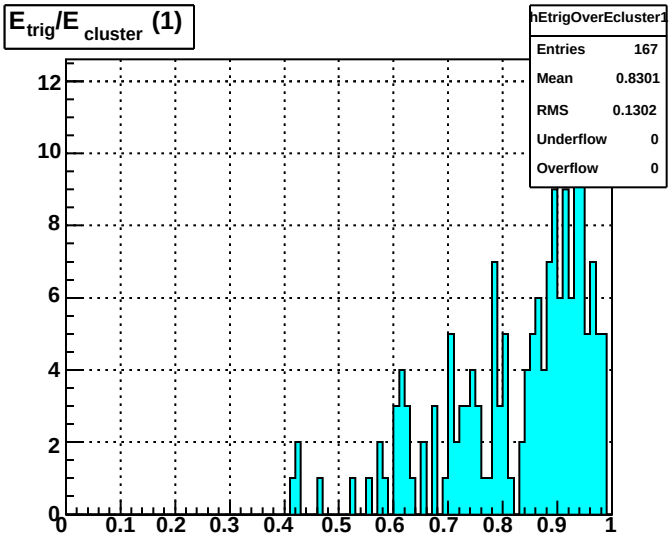

Tower Id2 3201-4800
hTowerId2c
Entries 63
Mean 3894
RMS 449.5
Underflow 0
Overflow 0
softId

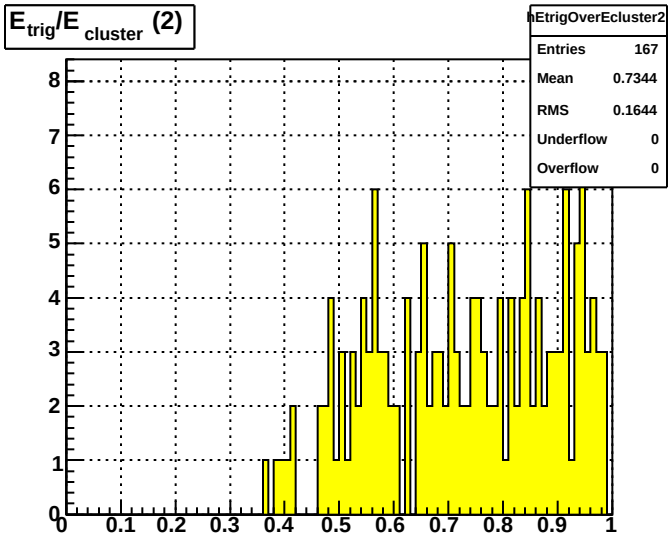

VPD vertex
hVpdVertex
Entries 167
Mean -45.04
RMS 44.7
Underflow 97
Overflow 0
χ² / ndf 15.06 / 37
Constant 1.724 ± 1.689
Mean -341.5 ± 655.5
Sigma 448 ± 393.1
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 167
Mean -8.578
RMS 44.83
Underflow 27
Overflow 5
χ² / ndf 24.77 / 72
Constant 1.776 ± 0.235
Mean -9.348 ± 13.138
Sigma 80.2 ± 21.7
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 167
Mean x -31.01
Mean y 7.279
RMS x 46.3
RMS y 42.9
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 167
Mean x -21.65
Mean y 9.346
RMS x 39.85
RMS y 27.64
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 167
Mean 0.8301
RMS 0.1302
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 167
Mean 0.7344
RMS 0.1644
Underflow 0
Overflow 0