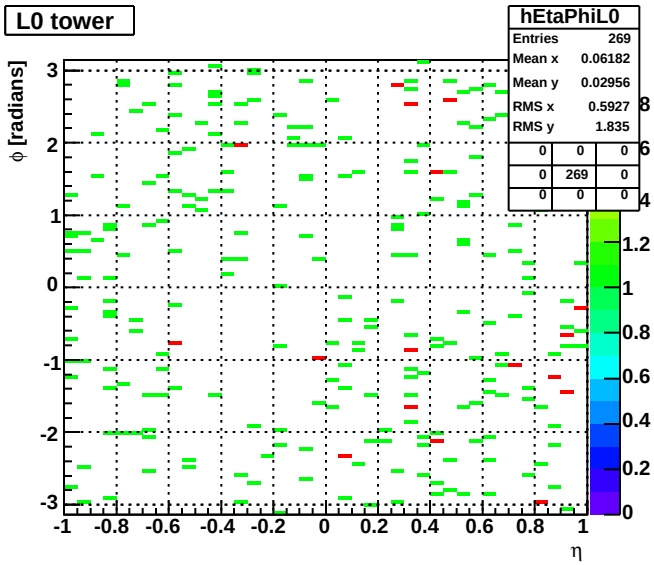
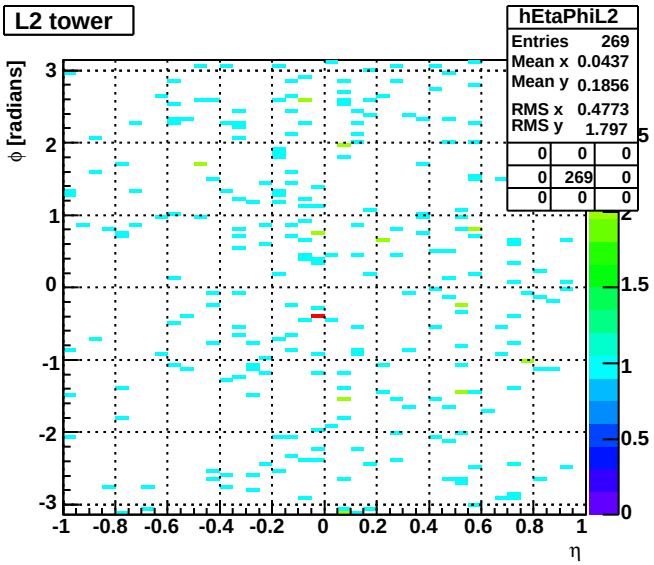
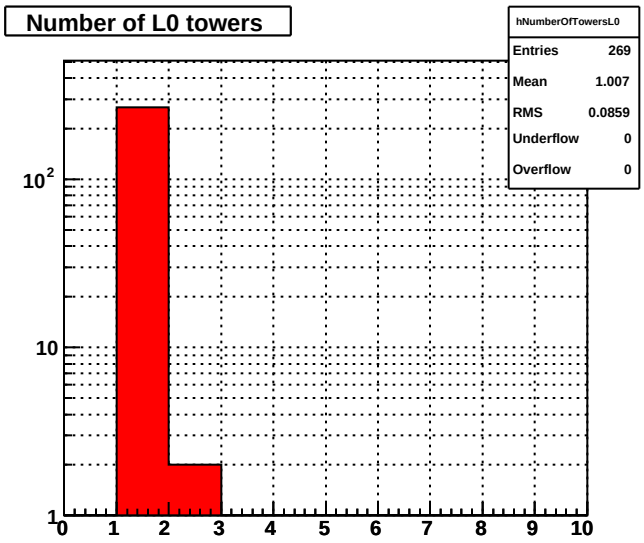
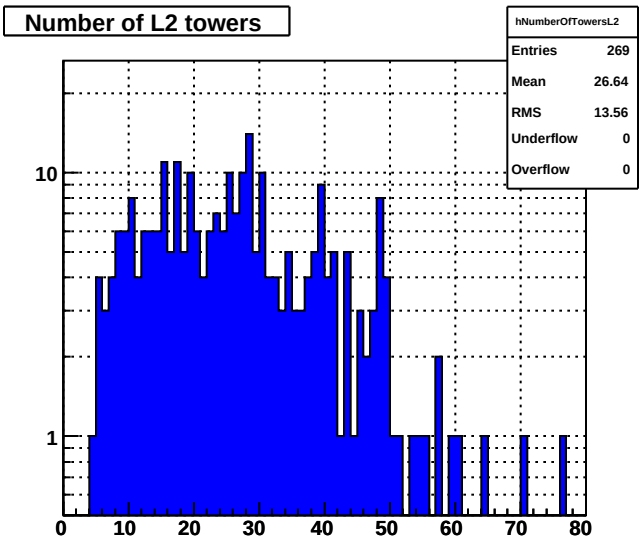
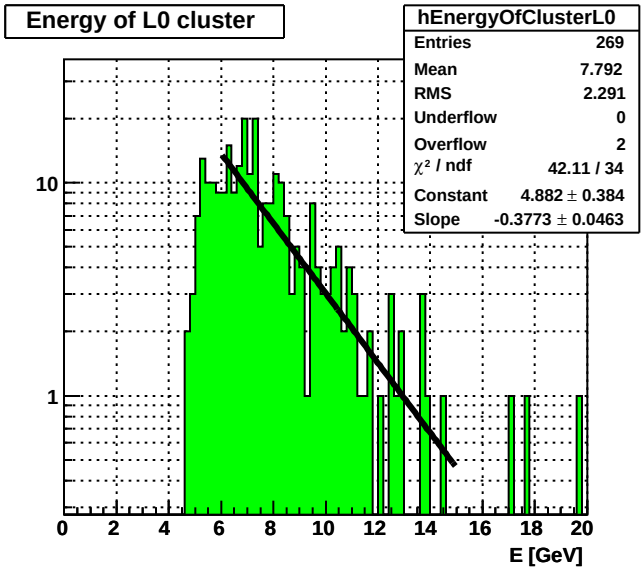
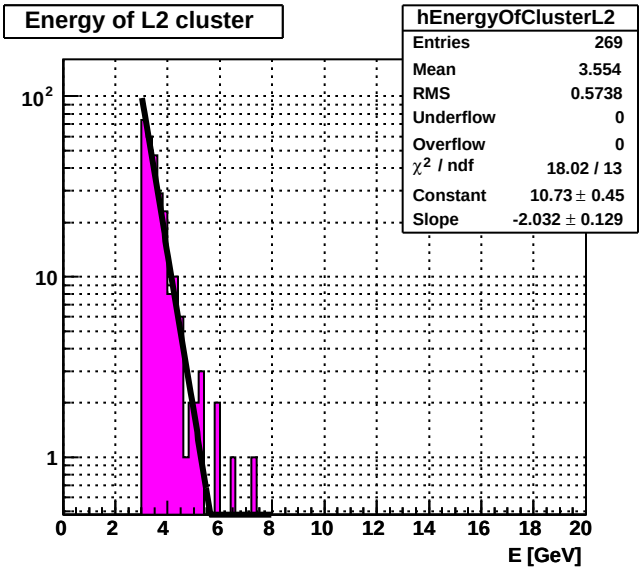

L0 tower
hEtaPhiL0
Entries 269
Mean x 0.06182
Mean y 0.02956
RMS x 0.5927
RMS y 1.835
φ [radians]
η

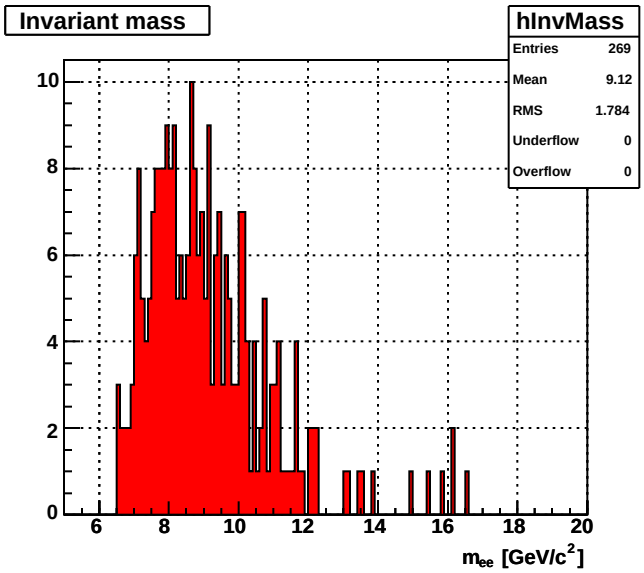

L2 tower
hEtaPhiL2
Entries 269
Mean x 0.0437
Mean y 0.1856
RMS x 0.4773
RMS y 1.797
φ [radians]
η

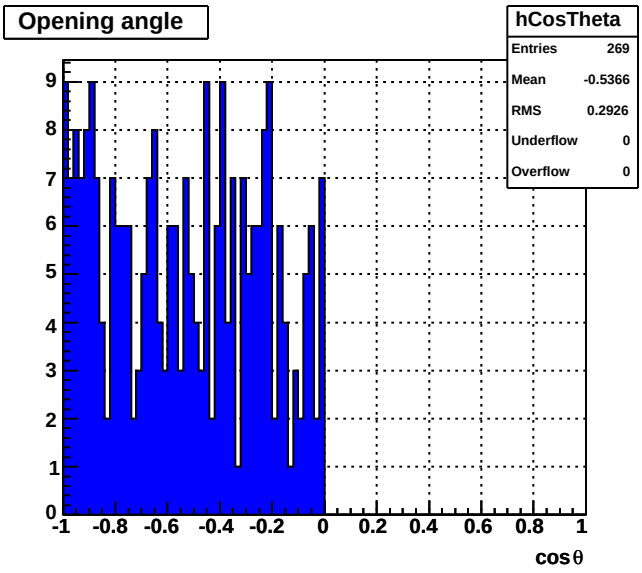

Number of L0 towers
hNumberOfTowersL0
Entries 269
Mean 1.007
RMS 0.0859
Underflow 0
Overflow 0

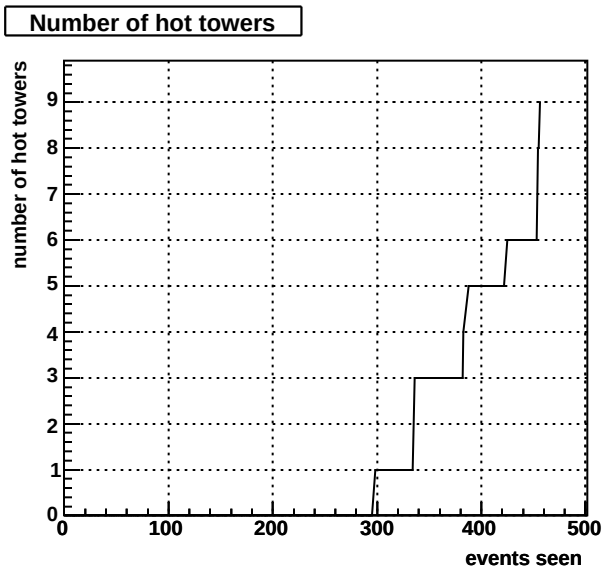

Number of L2 towers
hNumberOfTowersL2
Entries 269
Mean 26.64
RMS 13.56
Underflow 0
Overflow 0

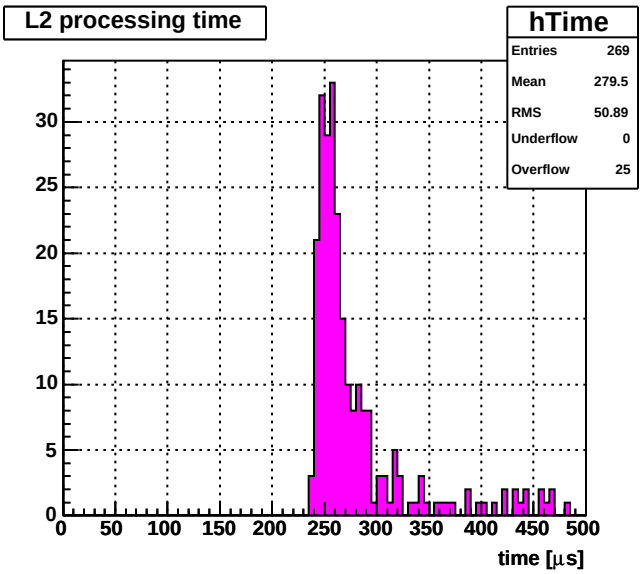

Energy of L0 cluster
hEnergyOfClusterL0
Entries 269
Mean 7.792
RMS 2.291
Underflow 0
Overflow 2
χ² / ndf 42.11 / 34
Constant 4.882 ± 0.384
Slope -0.3773 ± 0.0463
E [GeV]

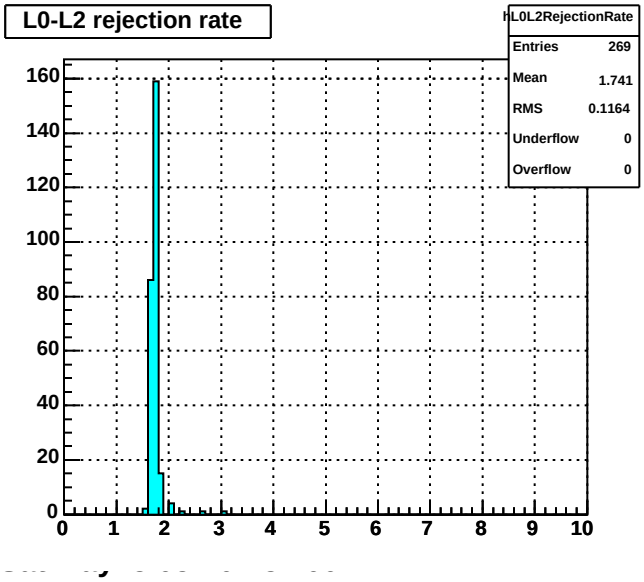

Energy of L2 cluster
hEnergyOfClusterL2
Entries 269
Mean 3.554
RMS 0.5738
Underflow 0
Overflow 0
χ² / ndf 18.02 / 13
Constant 10.73 ± 0.45
Slope -2.032 ± 0.129
E [GeV]

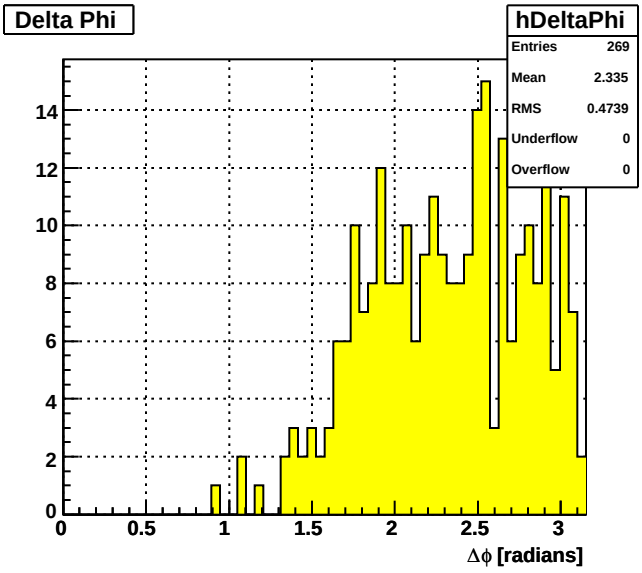

Invariant mass
hInvMass
Entries 269
Mean 9.12
RMS 1.784
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

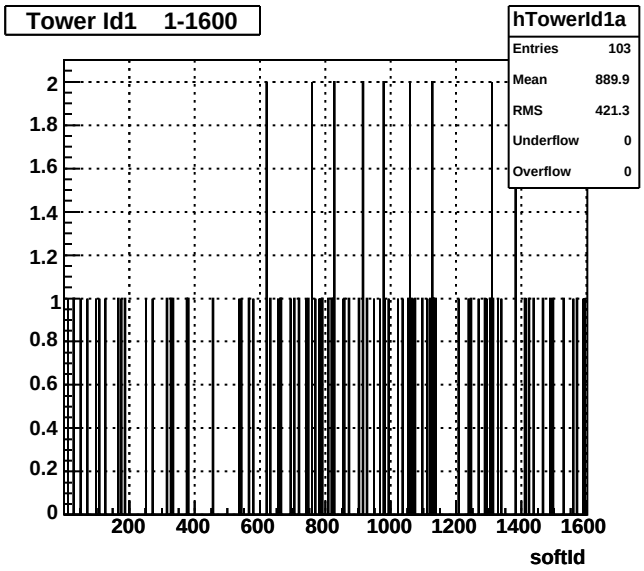

Opening angle
hCosTheta
Entries 269
Mean -0.5366
RMS 0.2926
Underflow 0
Overflow 0
cos θ

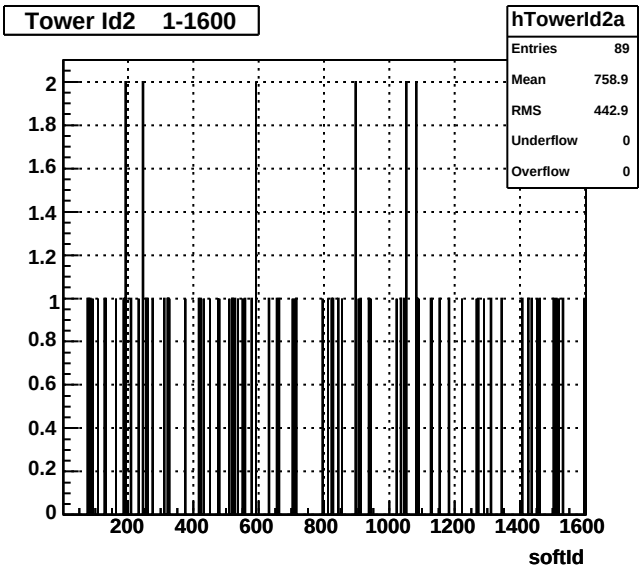

Number of hot towers
number of hot towers
events seen

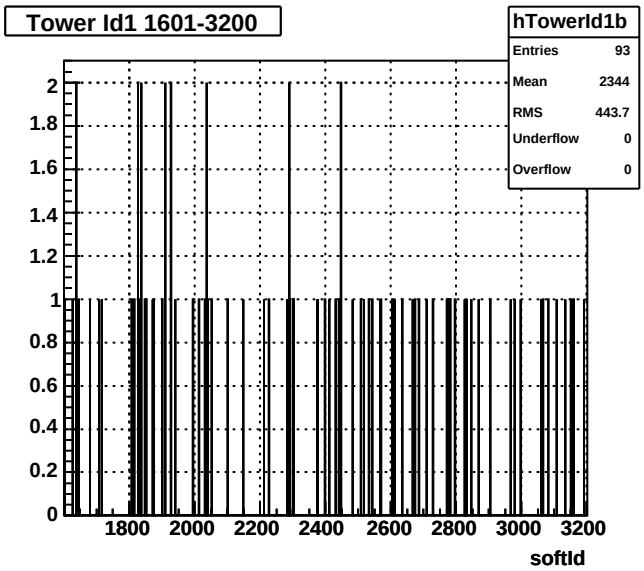

L2 processing time
hTime
Entries 269
Mean 279.5
RMS 50.89
Underflow 0
Overflow 25
time [μs]

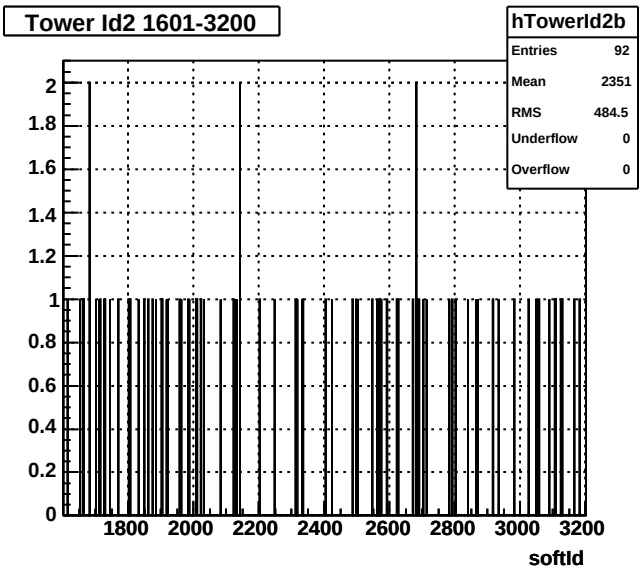

L0-L2 rejection rate
hL0L2RejectionRate
Entries 269
Mean 1.741
RMS 0.1164
Underflow 0
Overflow 0

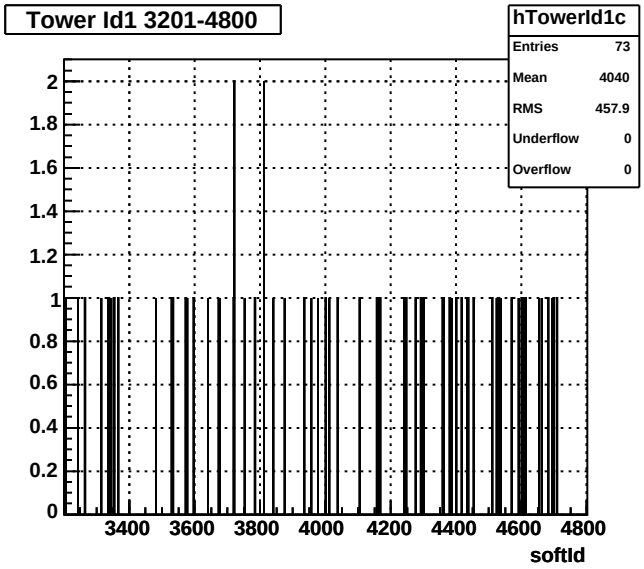

Delta Phi
hDeltaPhi
Entries 269
Mean 2.335
RMS 0.4739
Underflow 0
Overflow 0
Δφ [radians]

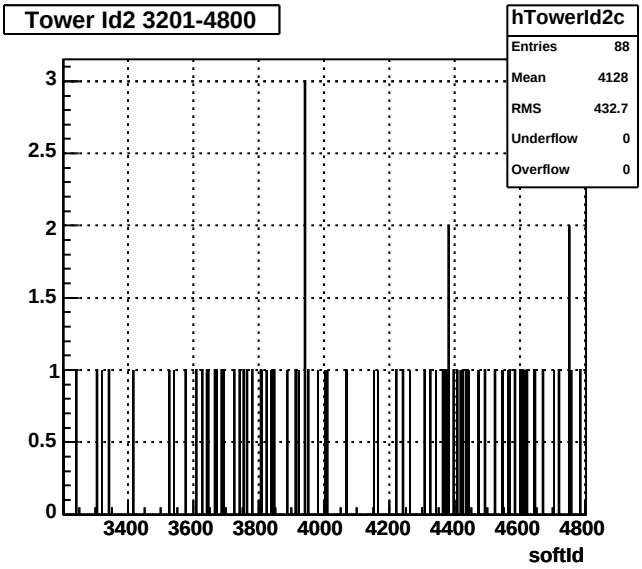

Tower Id1 1-1600
hTowerId1a
Entries 103
Mean 889.9
RMS 421.3
Underflow 0
Overflow 0
softId

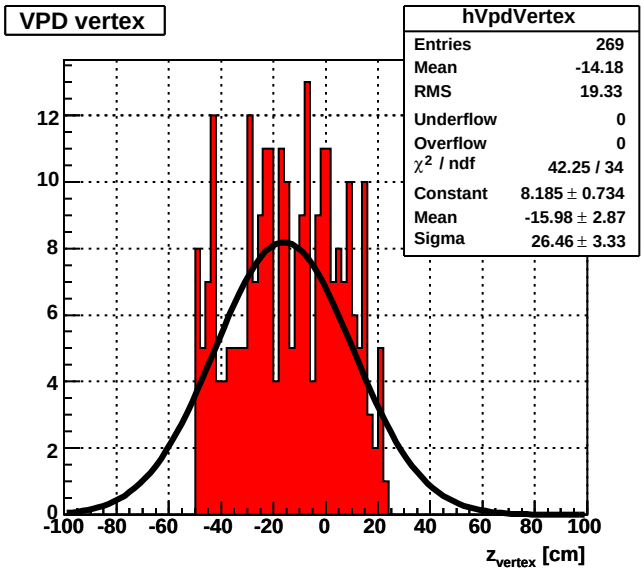

Tower Id2 1-1600
hTowerId2a
Entries 89
Mean 758.9
RMS 442.9
Underflow 0
Overflow 0
softId

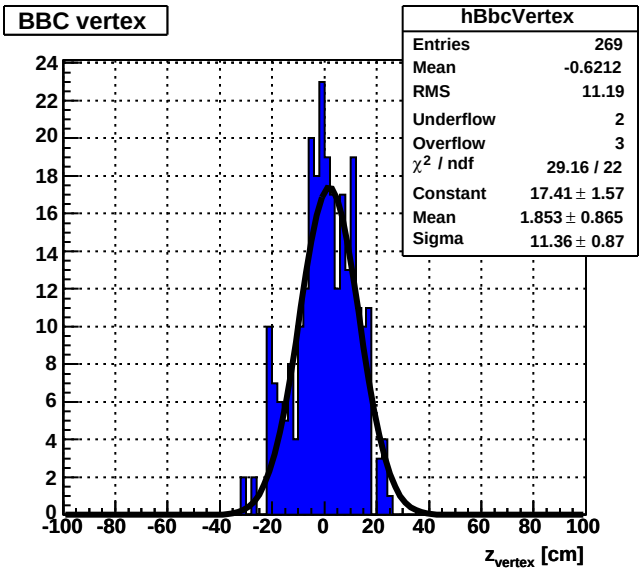

Tower Id1 1601-3200
hTowerId1b
Entries 93
Mean 2344
RMS 443.7
Underflow 0
Overflow 0
softId

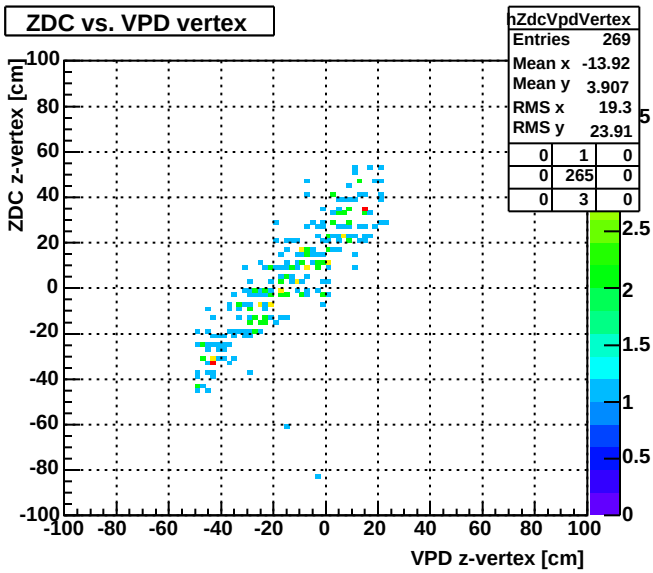

Tower Id2 1601-3200
hTowerId2b
Entries 92
Mean 2351
RMS 484.5
Underflow 0
Overflow 0
softId

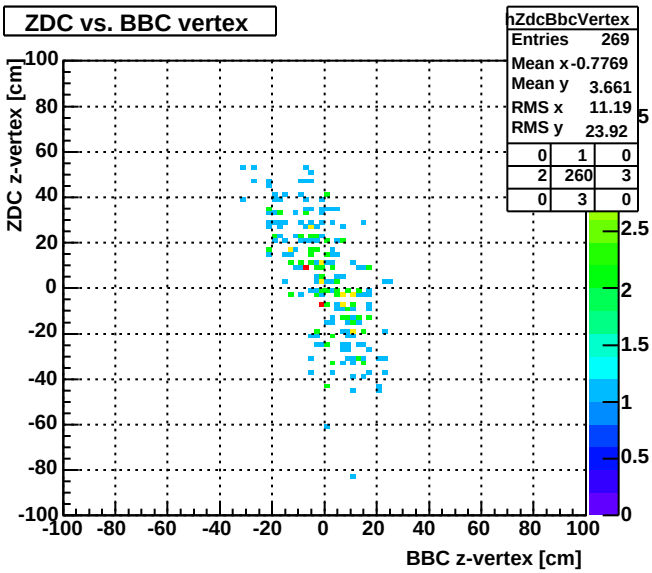

Tower Id1 3201-4800
hTowerId1c
Entries 73
Mean 4040
RMS 457.9
Underflow 0
Overflow 0
softId

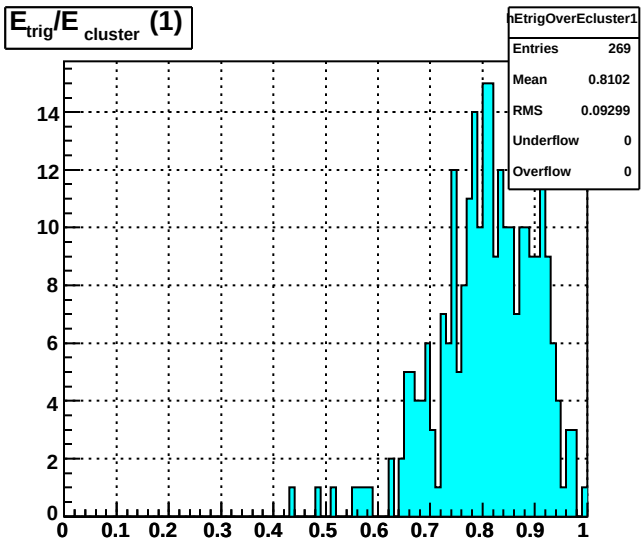

Tower Id2 3201-4800
hTowerId2c
Entries 88
Mean 4128
RMS 432.7
Underflow 0
Overflow 0
softId

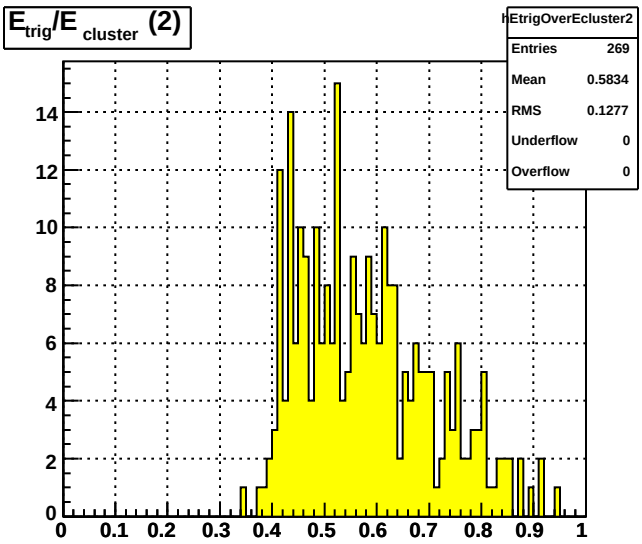

VPD vertex
hVpdVertex
Entries 269
Mean -14.18
RMS 19.33
Underflow 0
Overflow 0
χ² / ndf 42.25 / 34
Constant 8.185 ± 0.734
Mean -15.98 ± 2.87
Sigma 26.46 ± 3.33
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 269
Mean -0.6212
RMS 11.19
Underflow 2
Overflow 3
χ² / ndf 29.16 / 22
Constant 17.41 ± 1.57
Mean 1.853 ± 0.865
Sigma 11.36 ± 0.87
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 269
Mean x -13.92
Mean y 3.907
RMS x 19.3
RMS y 23.91
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 269
Mean x -0.7769
Mean y 3.661
RMS x 11.19
RMS y 23.92
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 269
Mean 0.8102
RMS 0.09299
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 269
Mean 0.5834
RMS 0.1277
Underflow 0
Overflow 0