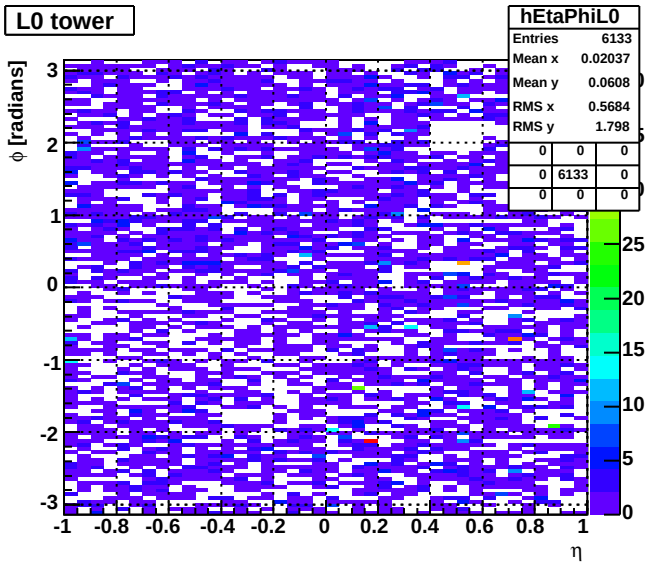
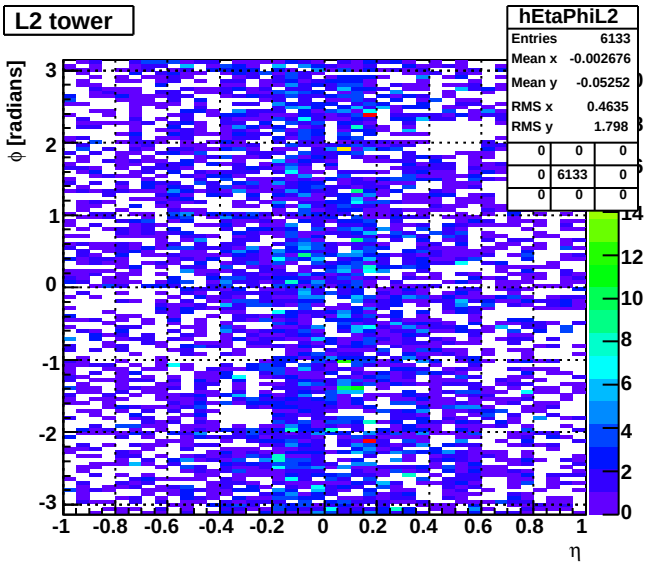
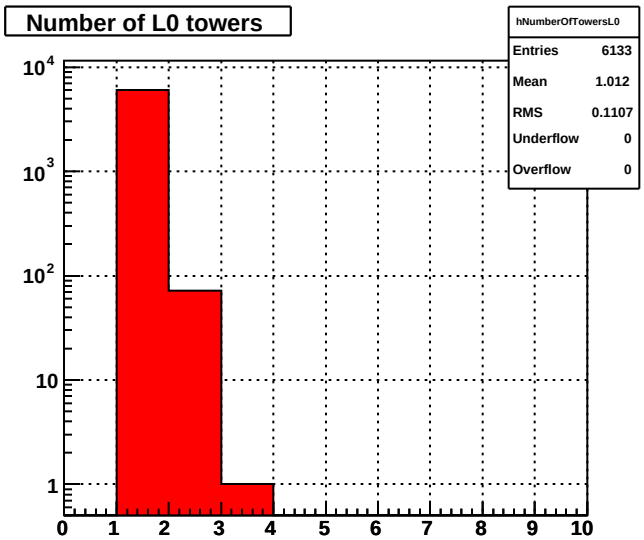
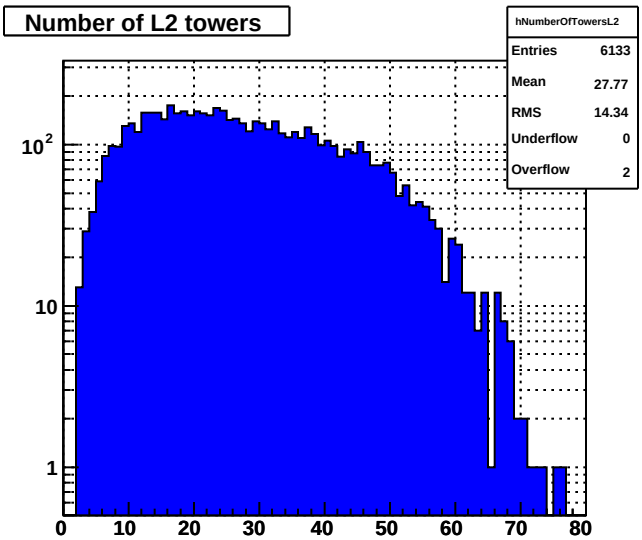
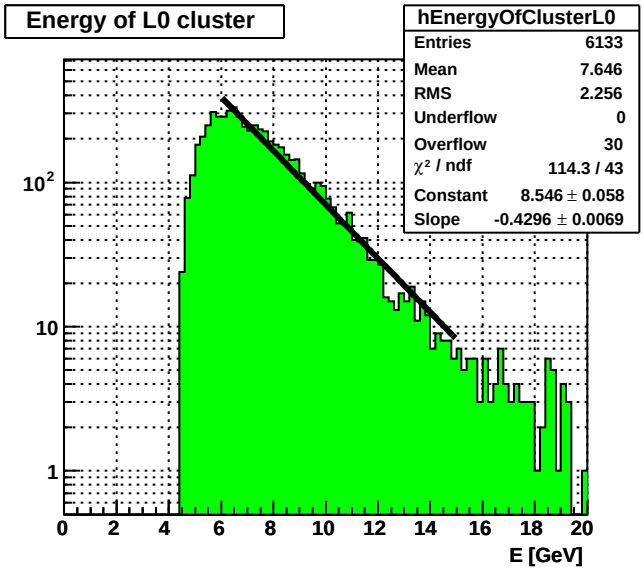
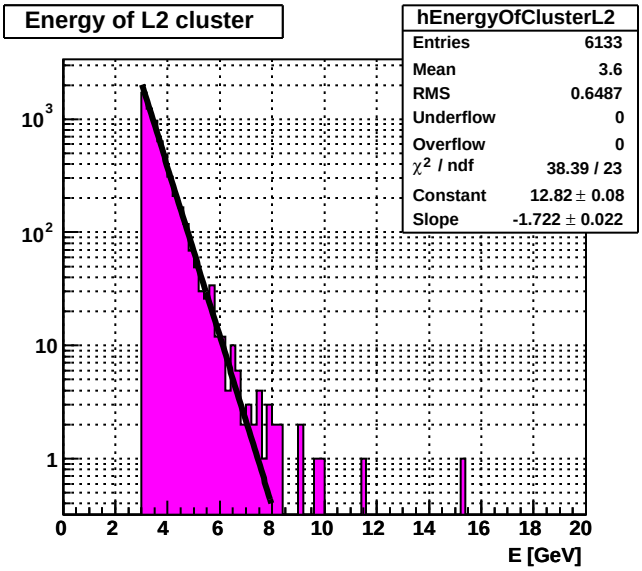

L0 tower
hEtaPhiL0
Entries 6133
Mean x 0.02037
Mean y 0.0608
RMS x 0.5684
RMS y 1.798
φ [radians]
η

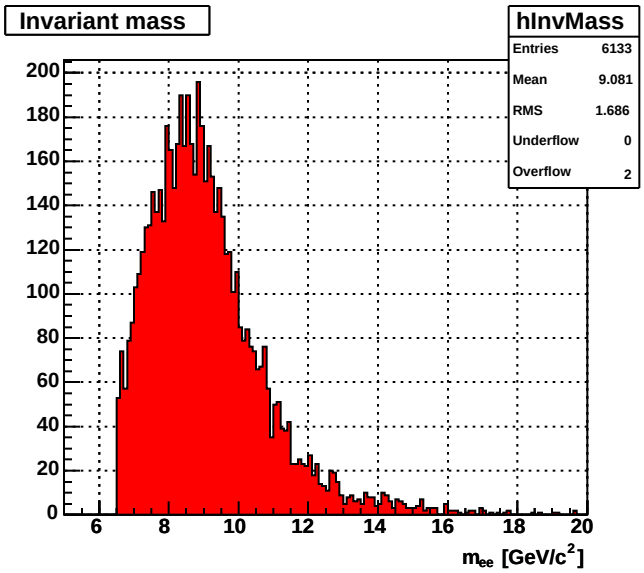

L2 tower
hEtaPhiL2
Entries 6133
Mean x -0.002676
Mean y -0.05252
RMS x 0.4635
RMS y 1.798
φ [radians]
η

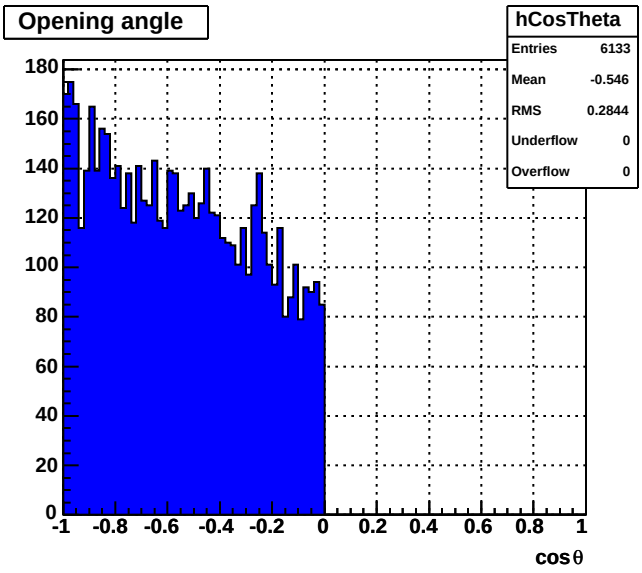

Number of L0 towers
hNumberOfTowersL0
Entries 6133
Mean 1.012
RMS 0.1107
Underflow 0
Overflow 0

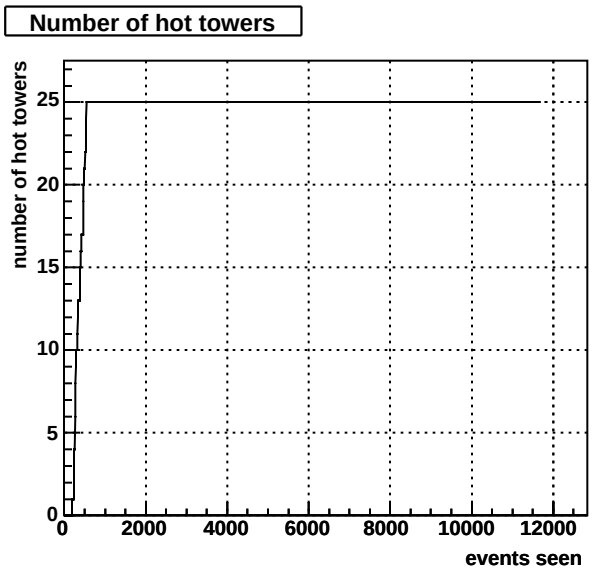

Number of L2 towers
hNumberOfTowersL2
Entries 6133
Mean 27.77
RMS 14.34
Underflow 0
Overflow 2

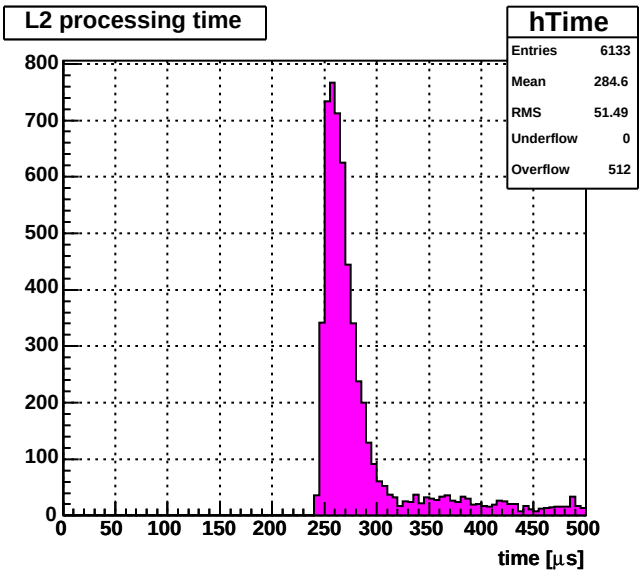

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6133
Mean 7.646
RMS 2.256
Underflow 0
Overflow 30
χ² / ndf 114.3 / 43
Constant 8.546 ± 0.058
Slope -0.4296 ± 0.0069
E [GeV]

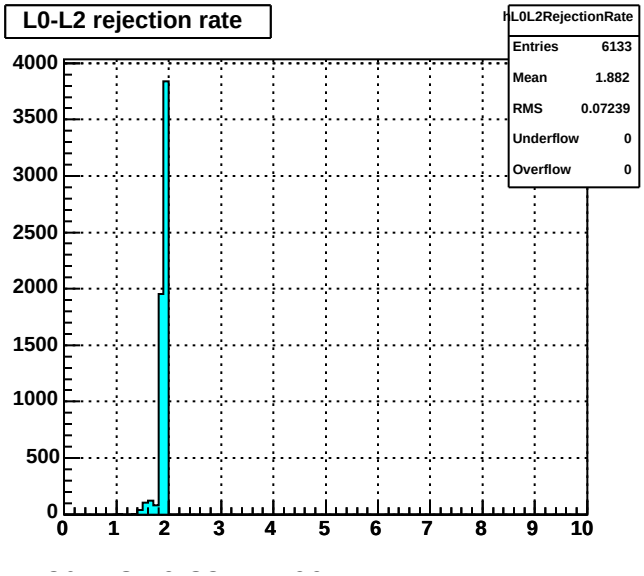

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6133
Mean 3.6
RMS 0.6487
Underflow 0
Overflow 0
χ² / ndf 38.39 / 23
Constant 12.82 ± 0.08
Slope -1.722 ± 0.022
E [GeV]

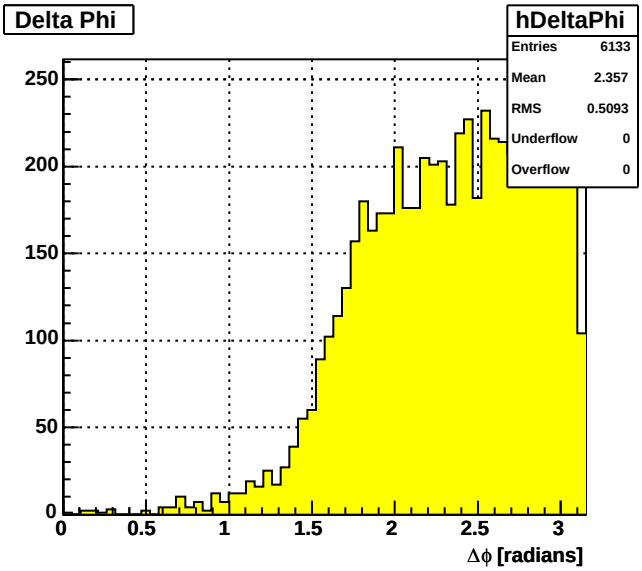

Invariant mass
hInvMass
Entries 6133
Mean 9.081
RMS 1.686
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

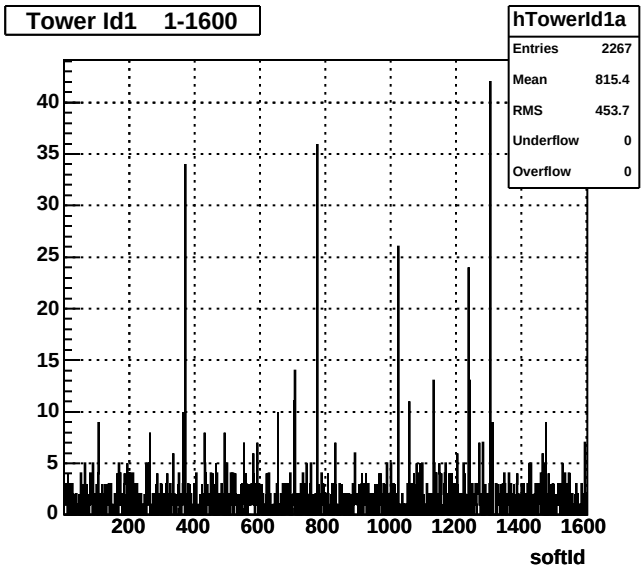

Opening angle
hCosTheta
Entries 6133
Mean -0.546
RMS 0.2844
Underflow 0
Overflow 0
cos θ

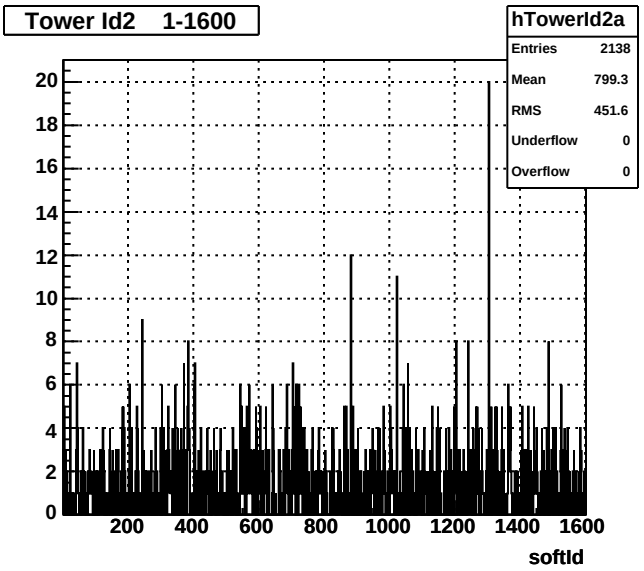

Number of hot towers
number of hot towers
events seen

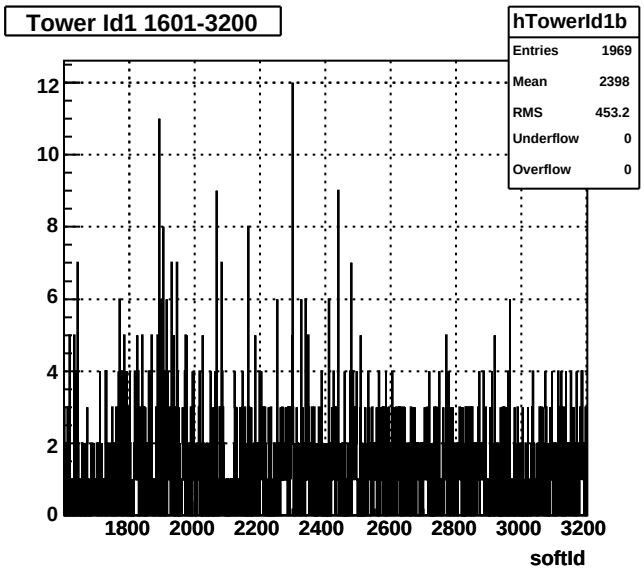

L2 processing time
hTime
Entries 6133
Mean 284.6
RMS 51.49
Underflow 0
Overflow 512
time [μs]

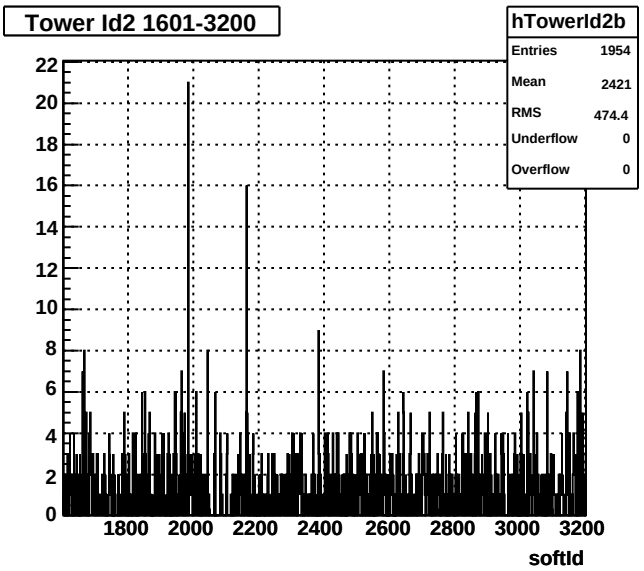

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6133
Mean 1.882
RMS 0.07239
Underflow 0
Overflow 0

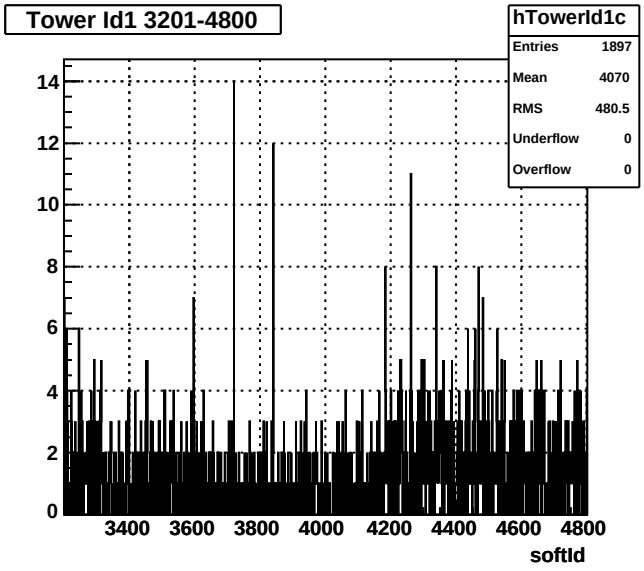

Delta Phi
hDeltaPhi
Entries 6133
Mean 2.357
RMS 0.5093
Underflow 0
Overflow 0
Δφ [radians]

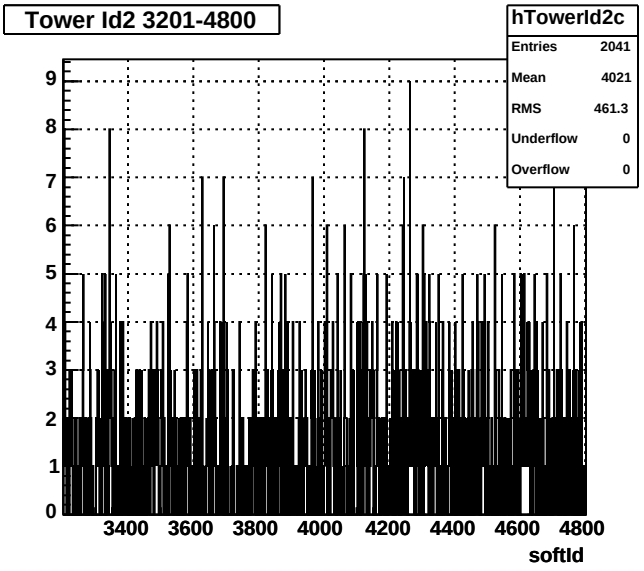

Tower Id1 1-1600
hTowerId1a
Entries 2267
Mean 815.4
RMS 453.7
Underflow 0
Overflow 0
softId

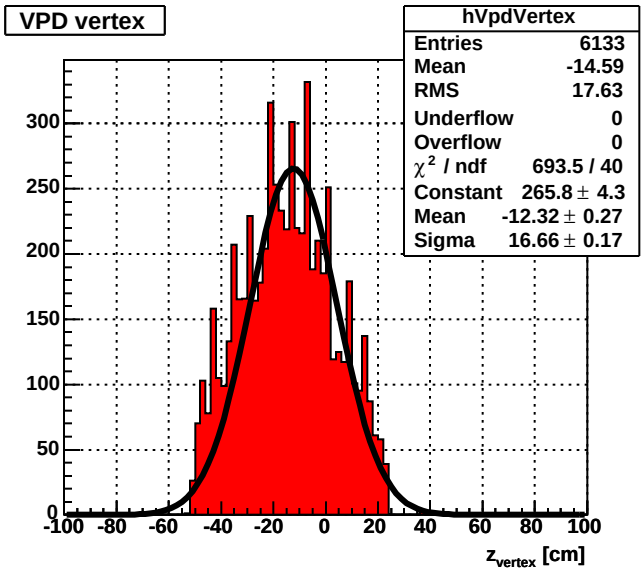

Tower Id2 1-1600
hTowerId2a
Entries 2138
Mean 799.3
RMS 451.6
Underflow 0
Overflow 0
softId

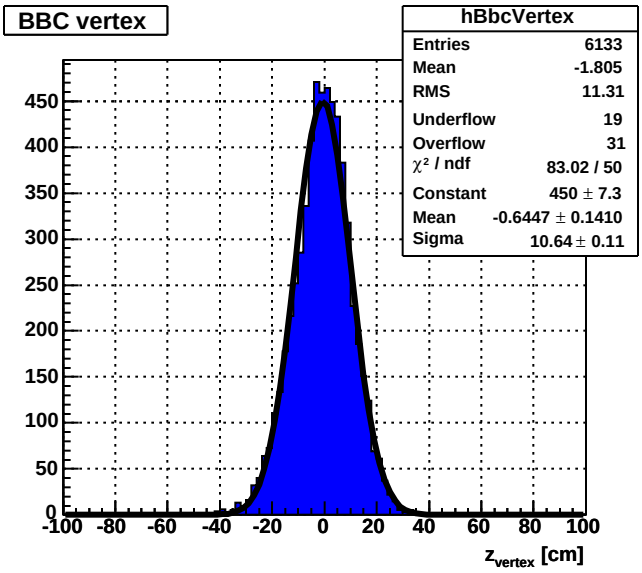

Tower Id1 1601-3200
hTowerId1b
Entries 1969
Mean 2398
RMS 453.2
Underflow 0
Overflow 0
softId

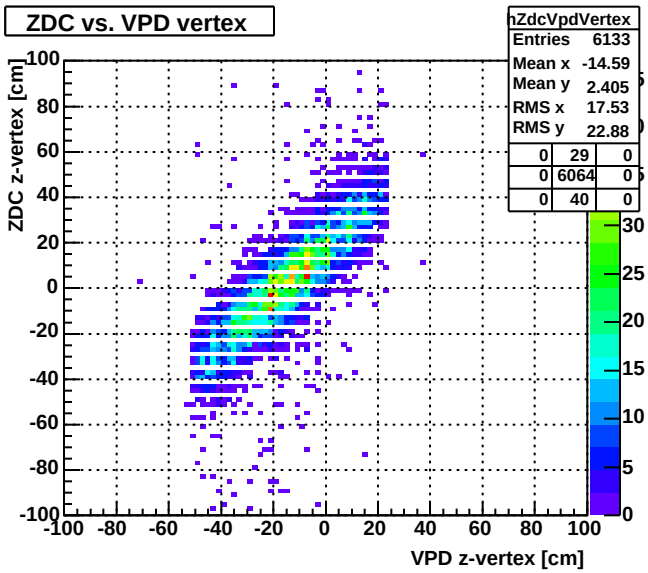

Tower Id2 1601-3200
hTowerId2b
Entries 1954
Mean 2421
RMS 474.4
Underflow 0
Overflow 0
softId

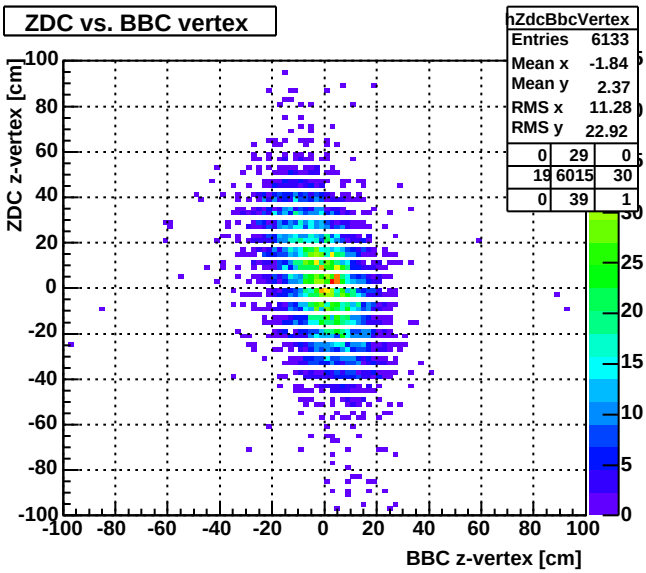

Tower Id1 3201-4800
hTowerId1c
Entries 1897
Mean 4070
RMS 480.5
Underflow 0
Overflow 0
softId

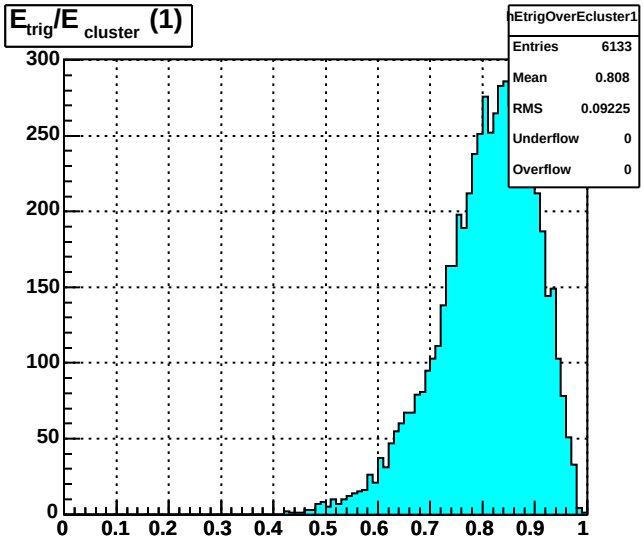

Tower Id2 3201-4800
hTowerId2c
Entries 2041
Mean 4021
RMS 461.3
Underflow 0
Overflow 0
softId

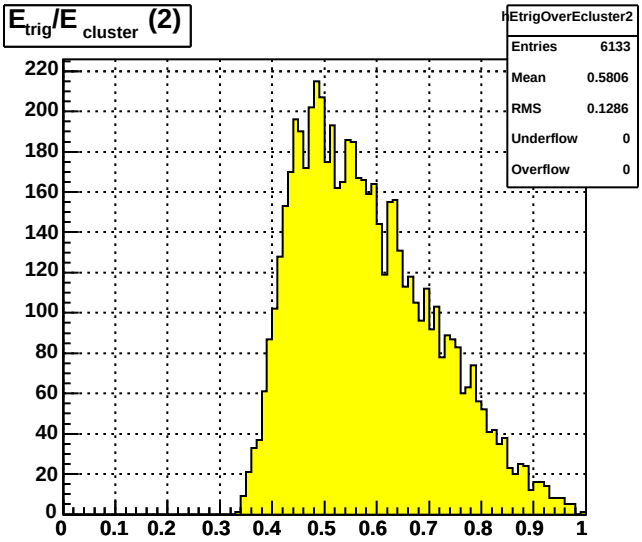

VPD vertex
hVpdVertex
Entries 6133
Mean -14.59
RMS 17.63
Underflow 0
Overflow 0
χ² / ndf 693.5 / 40
Constant 265.8 ± 4.3
Mean -12.32 ± 0.27
Sigma 16.66 ± 0.17
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6133
Mean -1.805
RMS 11.31
Underflow 19
Overflow 31
χ² / ndf 83.02 / 50
Constant 450 ± 7.3
Mean -0.6447 ± 0.1410
Sigma 10.64 ± 0.11
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6133
Mean x -14.59
Mean y 2.405
RMS x 17.53
RMS y 22.88
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6133
Mean x -1.84
Mean y 2.37
RMS x 11.28
RMS y 22.92
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6133
Mean 0.808
RMS 0.09225
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6133
Mean 0.5806
RMS 0.1286
Underflow 0
Overflow 0