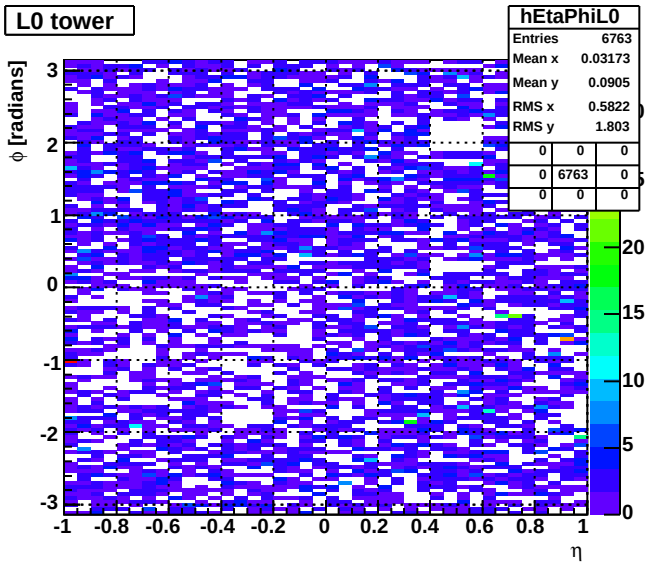
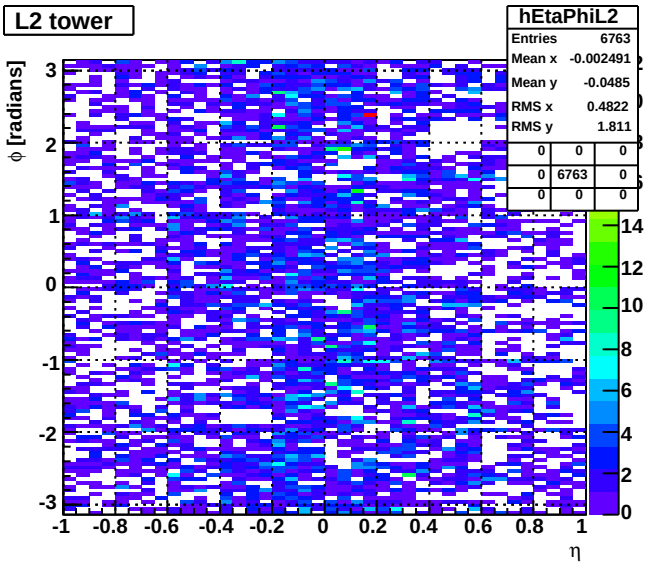
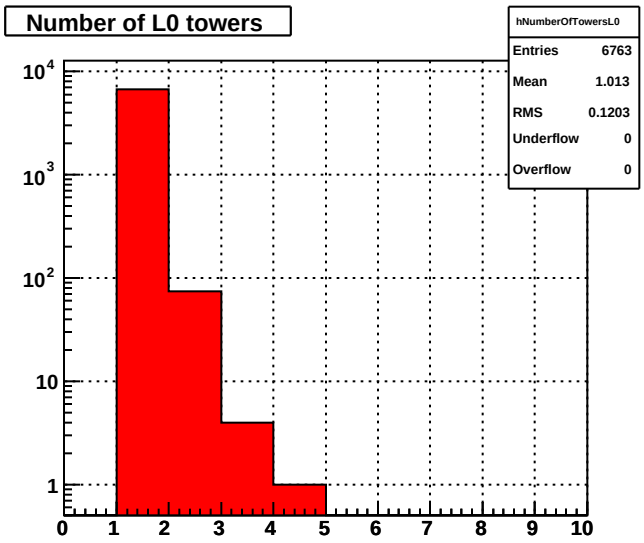
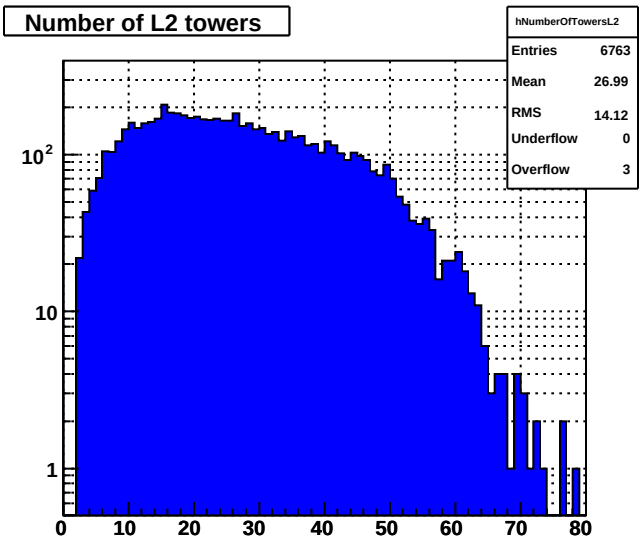
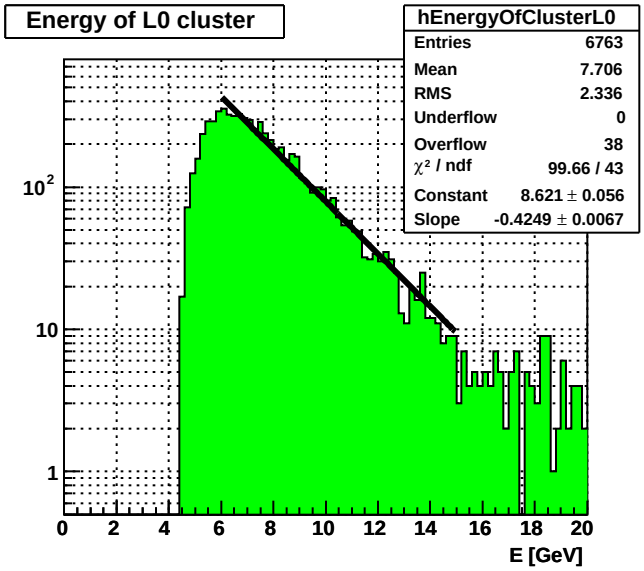
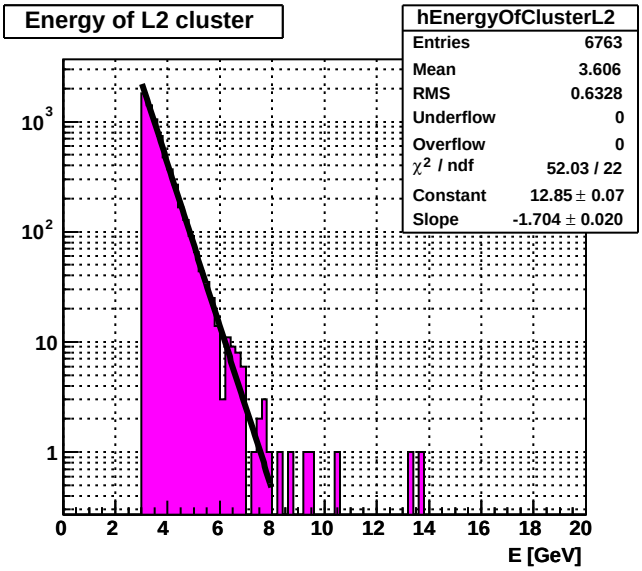

L0 tower
hEtaPhiL0
Entries 6763
Mean x 0.03173
Mean y 0.0905
RMS x 0.5822
RMS y 1.803
φ [radians]
η

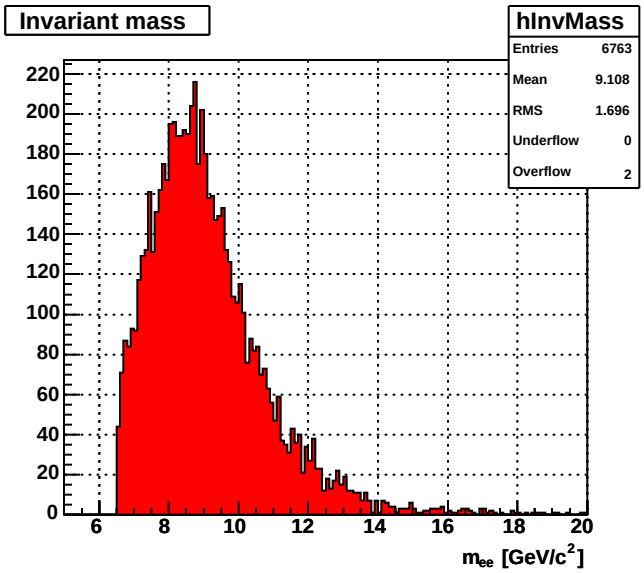

L2 tower
hEtaPhiL2
Entries 6763
Mean x -0.002491
Mean y -0.0485
RMS x 0.4822
RMS y 1.811
φ [radians]
η

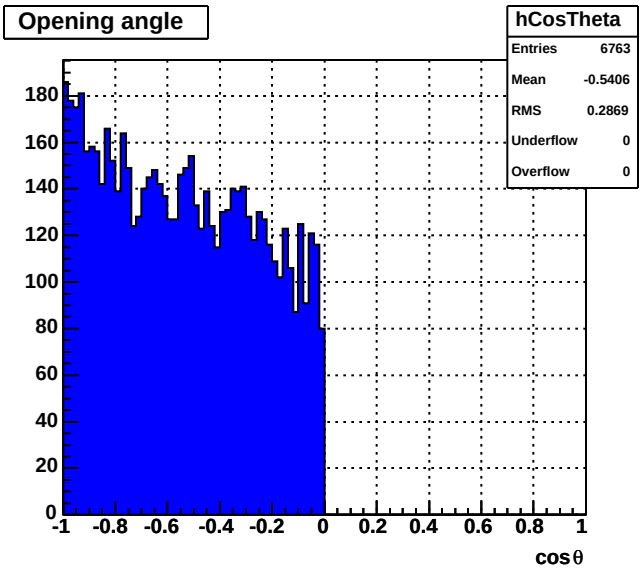

Number of L0 towers
hNumberOfTowersL0
Entries 6763
Mean 1.013
RMS 0.1203
Underflow 0
Overflow 0

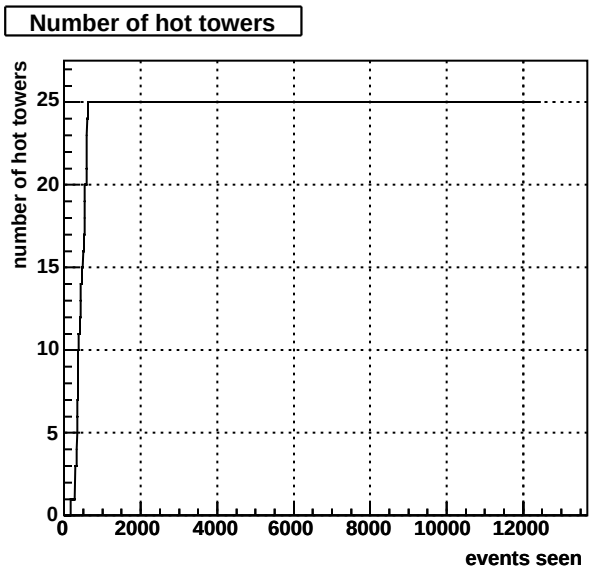

Number of L2 towers
hNumberOfTowersL2
Entries 6763
Mean 26.99
RMS 14.12
Underflow 0
Overflow 3

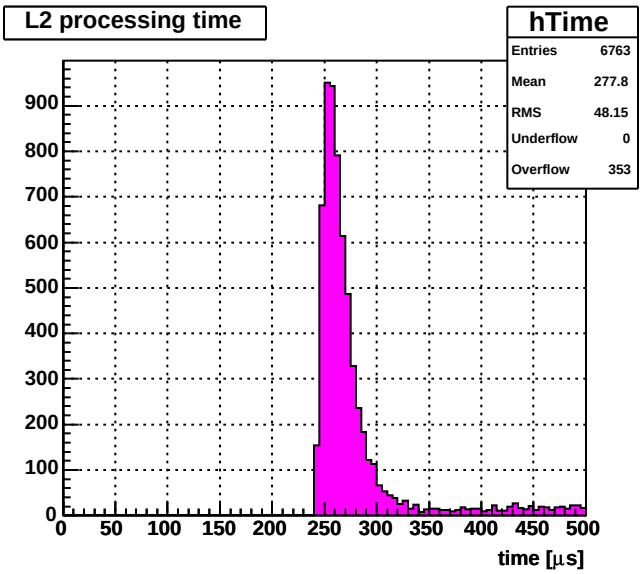

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6763
Mean 7.706
RMS 2.336
Underflow 0
Overflow 38
χ² / ndf 99.66 / 43
Constant 8.621 ± 0.056
Slope -0.4249 ± 0.0067
E [GeV]

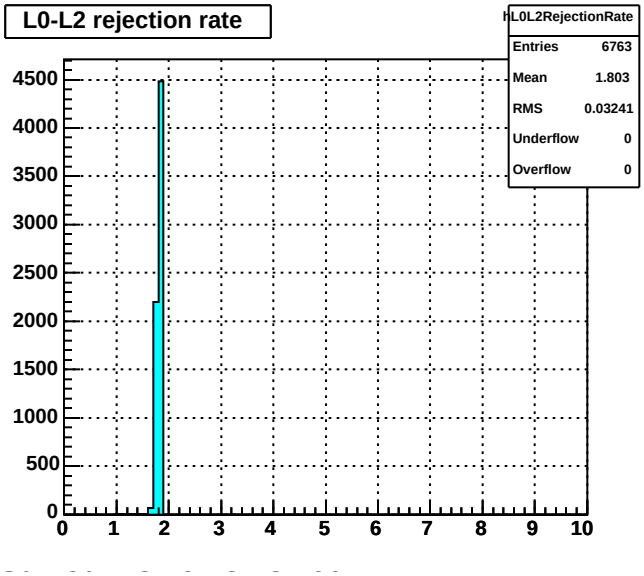

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6763
Mean 3.606
RMS 0.6328
Underflow 0
Overflow 0
χ² / ndf 52.03 / 22
Constant 12.85 ± 0.07
Slope -1.704 ± 0.020
E [GeV]

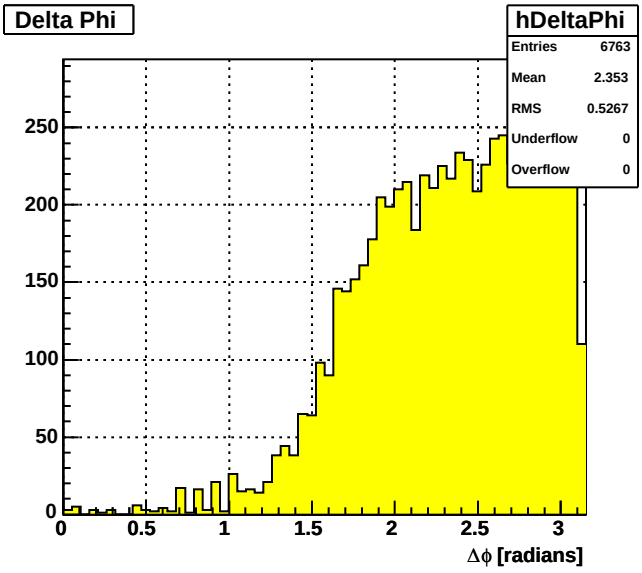

Invariant mass
hInvMass
Entries 6763
Mean 9.108
RMS 1.696
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

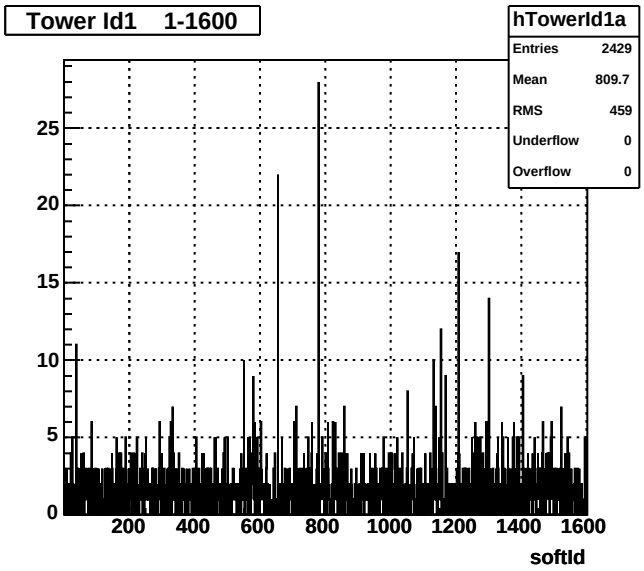

Opening angle
hCosTheta
Entries 6763
Mean -0.5406
RMS 0.2869
Underflow 0
Overflow 0
cos θ

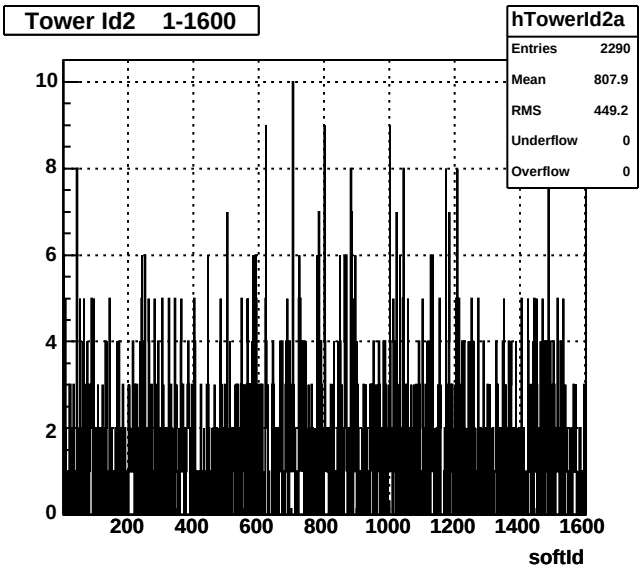

Number of hot towers
number of hot towers
events seen

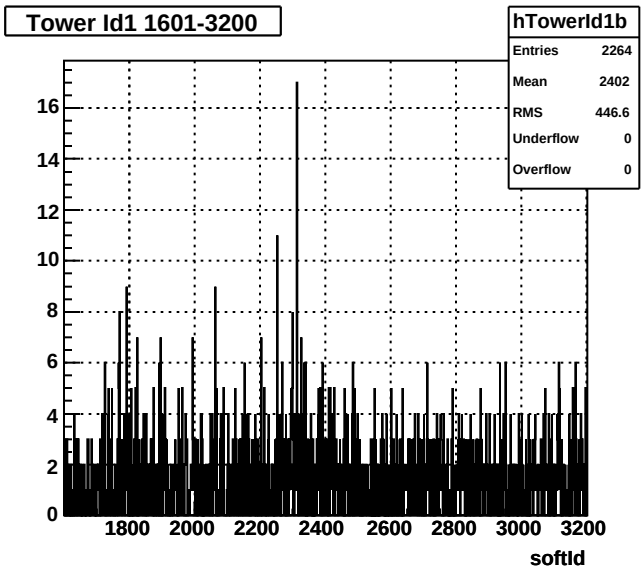

L2 processing time
hTime
Entries 6763
Mean 277.8
RMS 48.15
Underflow 0
Overflow 353
time [μs]

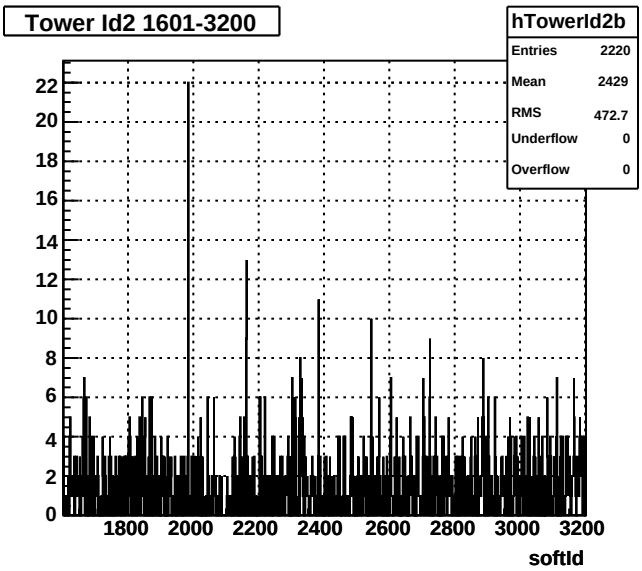

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6763
Mean 1.803
RMS 0.03241
Underflow 0
Overflow 0

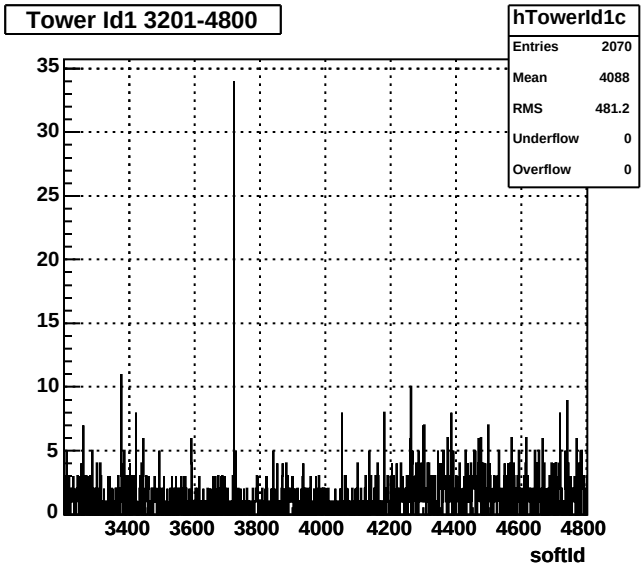

Delta Phi
hDeltaPhi
Entries 6763
Mean 2.353
RMS 0.5267
Underflow 0
Overflow 0
Δφ [radians]

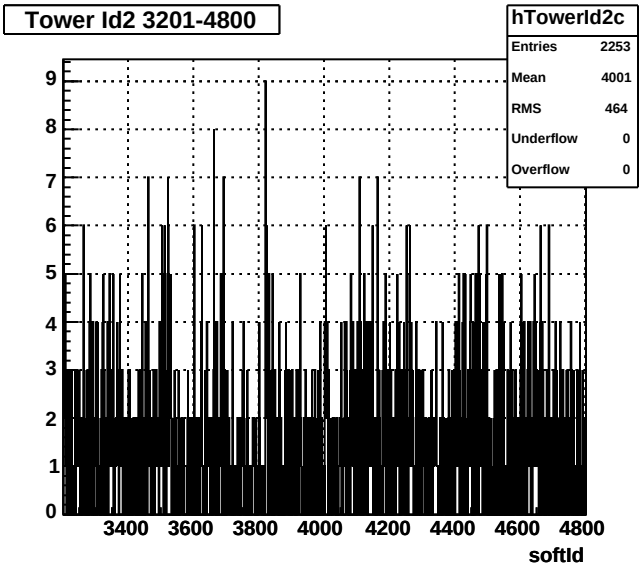

Tower Id1 1-1600
hTowerId1a
Entries 2429
Mean 809.7
RMS 459
Underflow 0
Overflow 0
softId

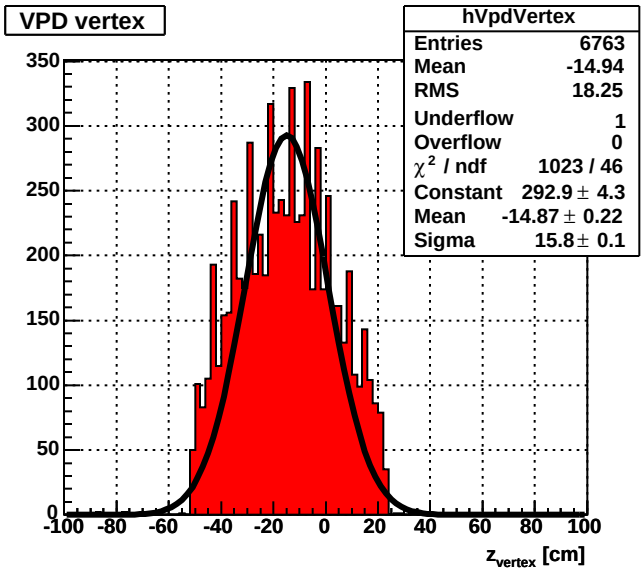

Tower Id2 1-1600
hTowerId2a
Entries 2290
Mean 807.9
RMS 449.2
Underflow 0
Overflow 0
softId

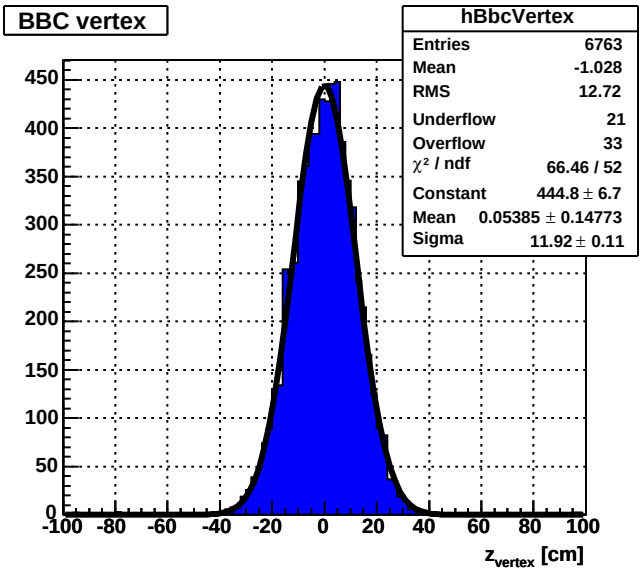

Tower Id1 1601-3200
hTowerId1b
Entries 2264
Mean 2402
RMS 446.6
Underflow 0
Overflow 0
softId

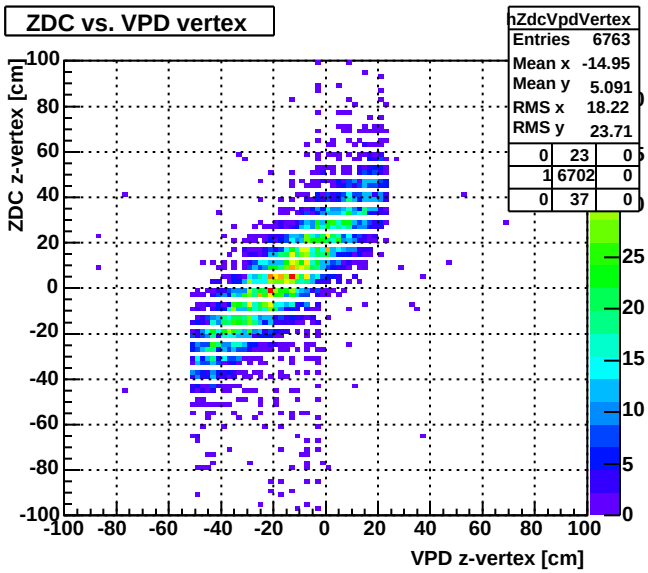

Tower Id2 1601-3200
hTowerId2b
Entries 2220
Mean 2429
RMS 472.7
Underflow 0
Overflow 0
softId

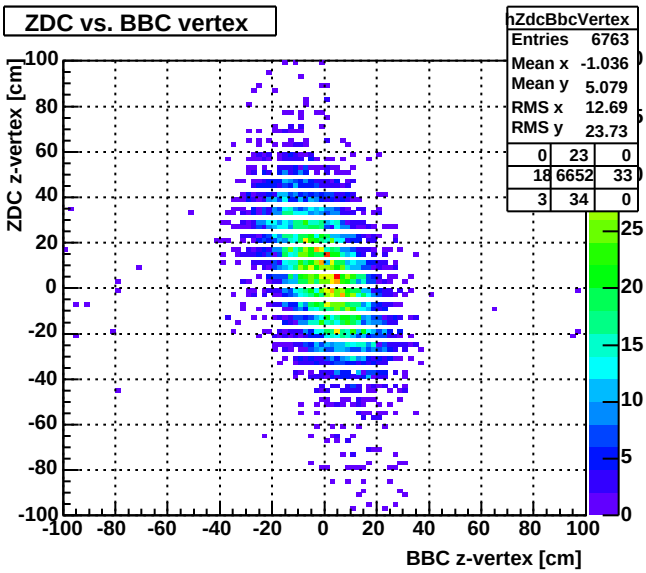

Tower Id1 3201-4800
hTowerId1c
Entries 2070
Mean 4088
RMS 481.2
Underflow 0
Overflow 0
softId

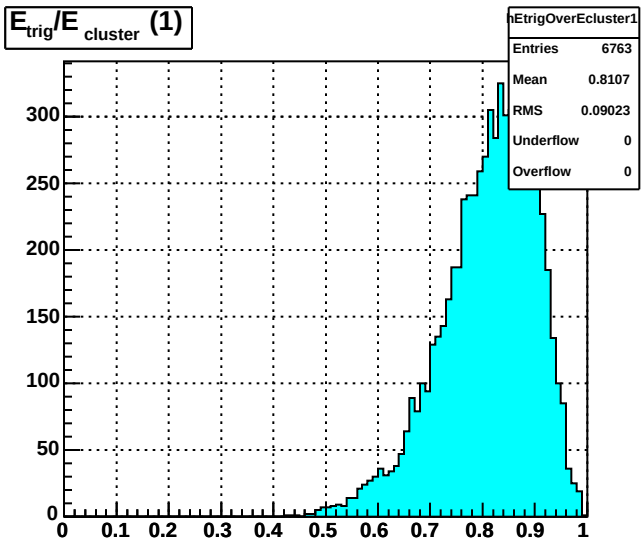

Tower Id2 3201-4800
hTowerId2c
Entries 2253
Mean 4001
RMS 464
Underflow 0
Overflow 0
softId

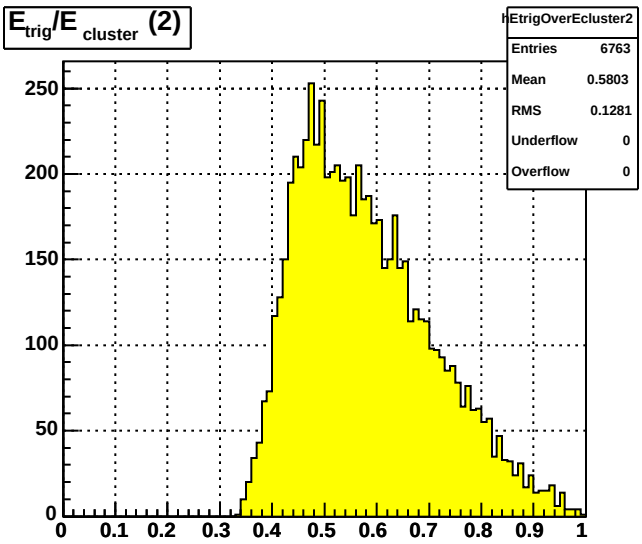

VPD vertex
hVpdVertex
Entries 6763
Mean -14.94
RMS 18.25
Underflow 1
Overflow 0
χ² / ndf 1023 / 46
Constant 292.9 ± 4.3
Mean -14.87 ± 0.22
Sigma 15.8 ± 0.1
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6763
Mean -1.028
RMS 12.72
Underflow 21
Overflow 33
χ² / ndf 66.46 / 52
Constant 444.8 ± 6.7
Mean 0.05385 ± 0.14773
Sigma 11.92 ± 0.11
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6763
Mean x -14.95
Mean y 5.091
RMS x 18.22
RMS y 23.71
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6763
Mean x -1.036
Mean y 5.079
RMS x 12.69
RMS y 23.73
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6763
Mean 0.8107
RMS 0.09023
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6763
Mean 0.5803
RMS 0.1281
Underflow 0
Overflow 0