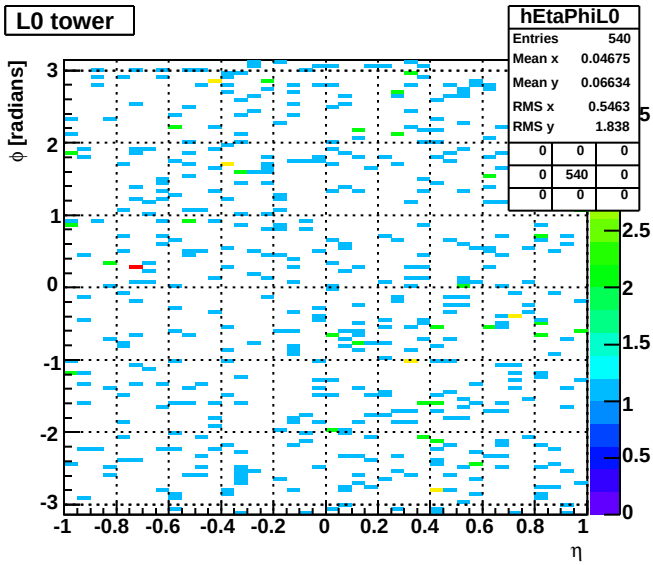
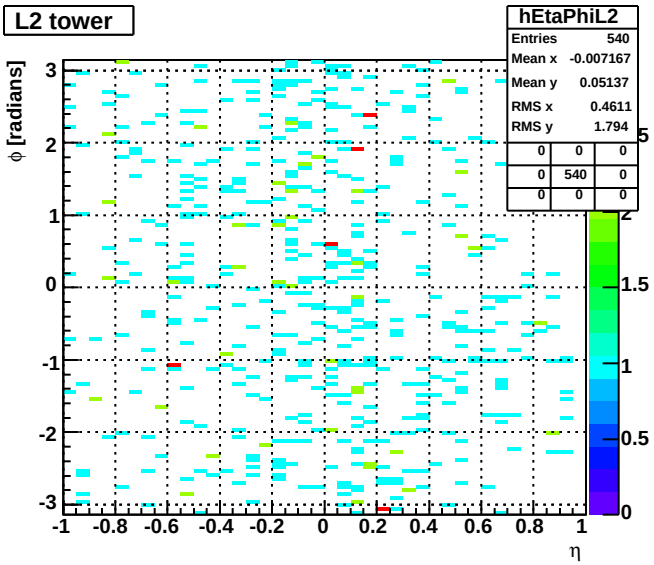
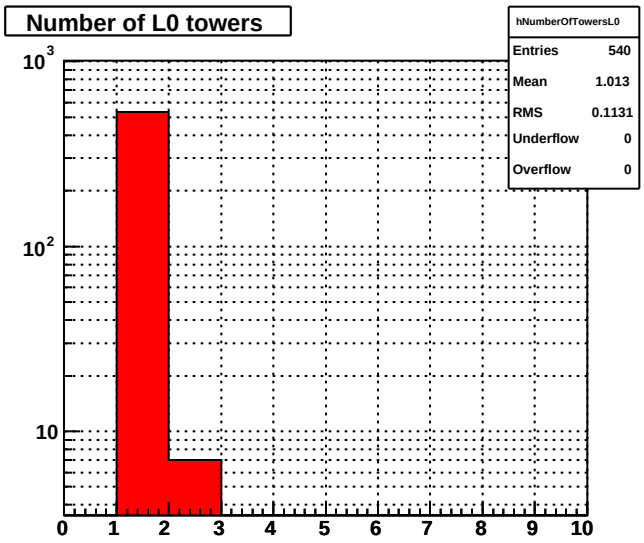
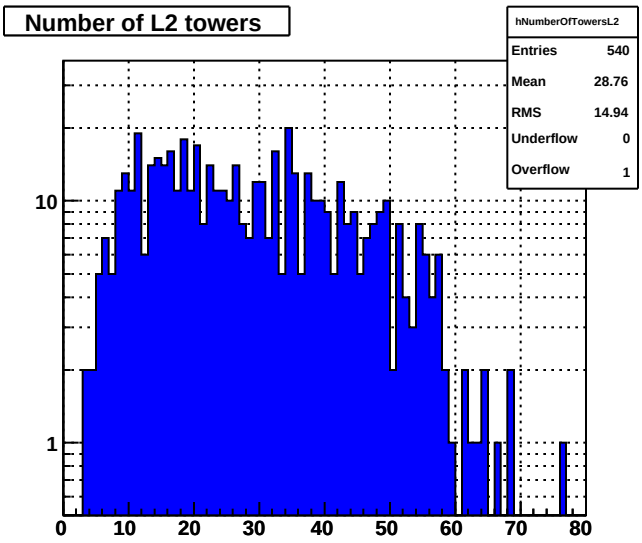
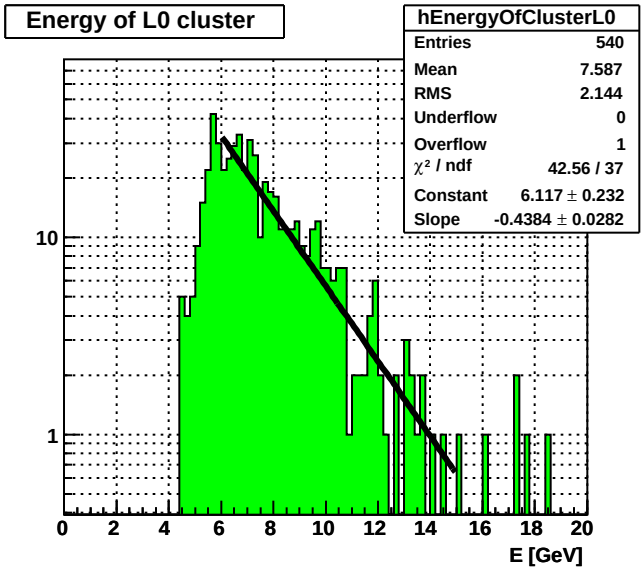
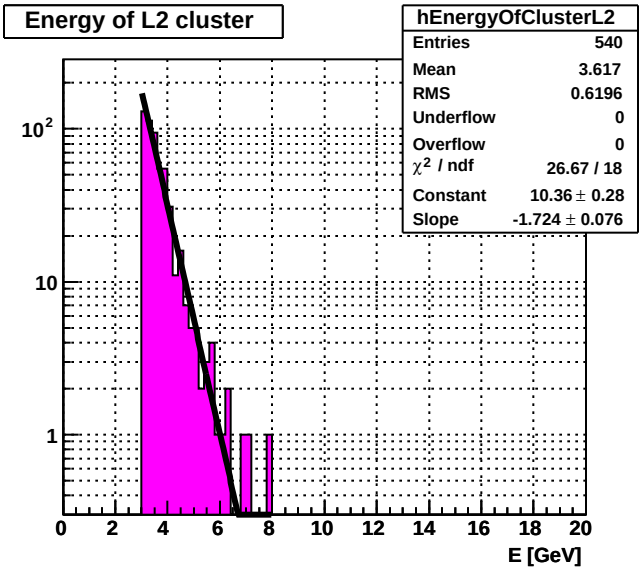

L0 tower
hEtaPhiL0
Entries 540
Mean x 0.04675
Mean y 0.06634
RMS x 0.5463
RMS y 1.838
φ [radians]
η

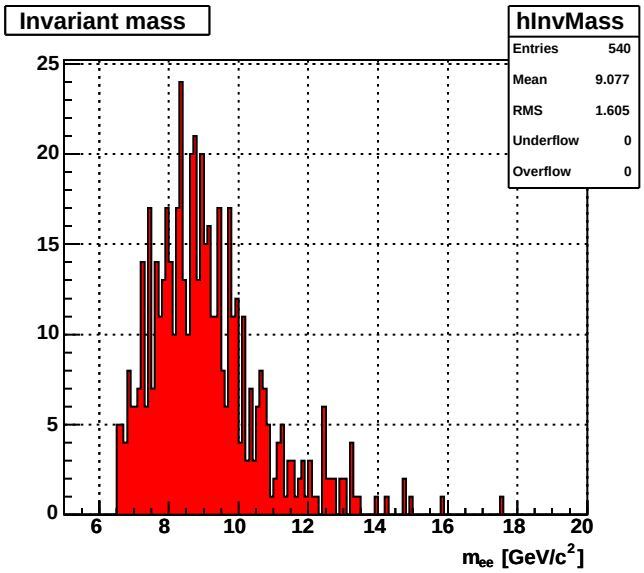

L2 tower
hEtaPhiL2
Entries 540
Mean x -0.007167
Mean y 0.05137
RMS x 0.4611
RMS y 1.794
φ [radians]
η

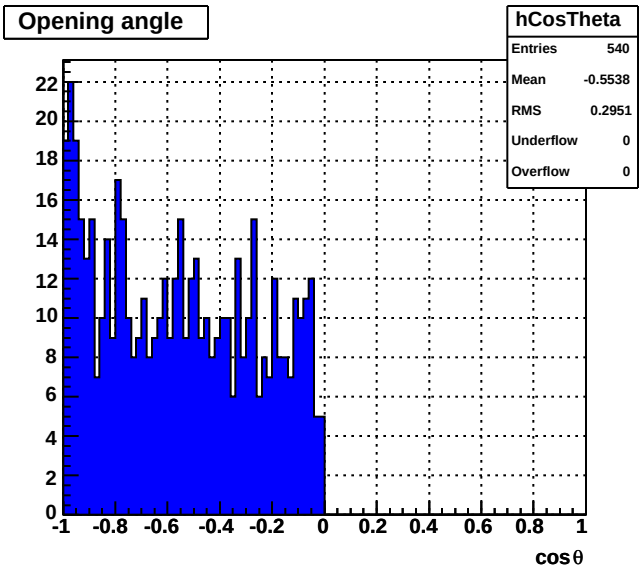

Number of L0 towers
hNumberOfTowersL0
Entries 540
Mean 1.013
RMS 0.1131
Underflow 0
Overflow 0

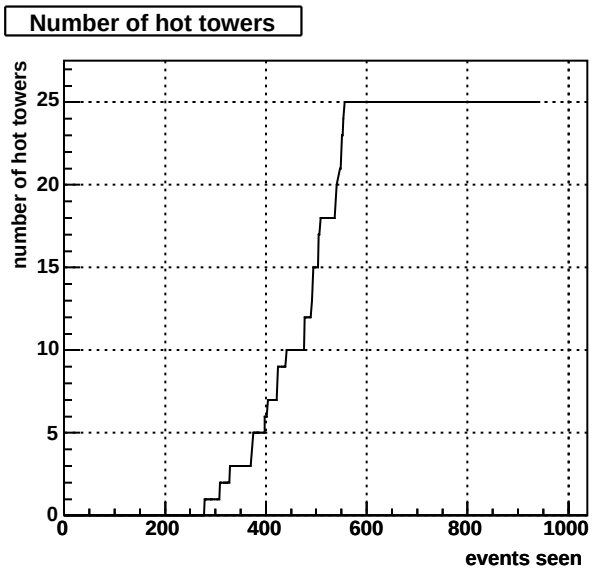

Number of L2 towers
hNumberOfTowersL2
Entries 540
Mean 28.76
RMS 14.94
Underflow 0
Overflow 1

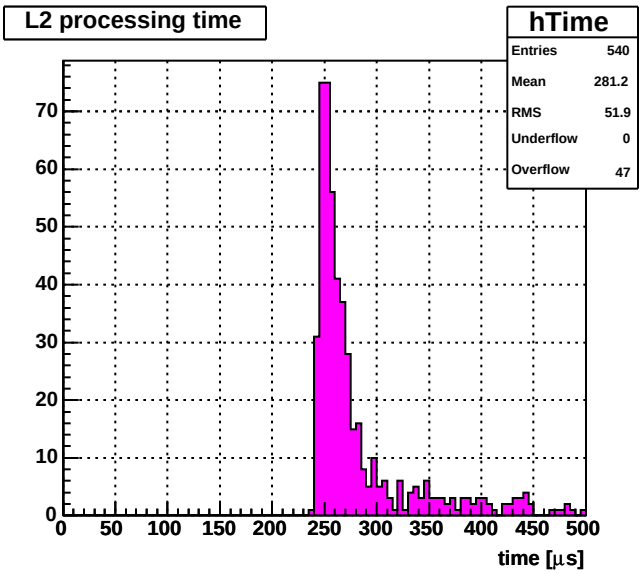

Energy of L0 cluster
hEnergyOfClusterL0
Entries 540
Mean 7.587
RMS 2.144
Underflow 0
Overflow 1
χ² / ndf 42.56 / 37
Constant 6.117 ± 0.232
Slope -0.4384 ± 0.0282
E [GeV]

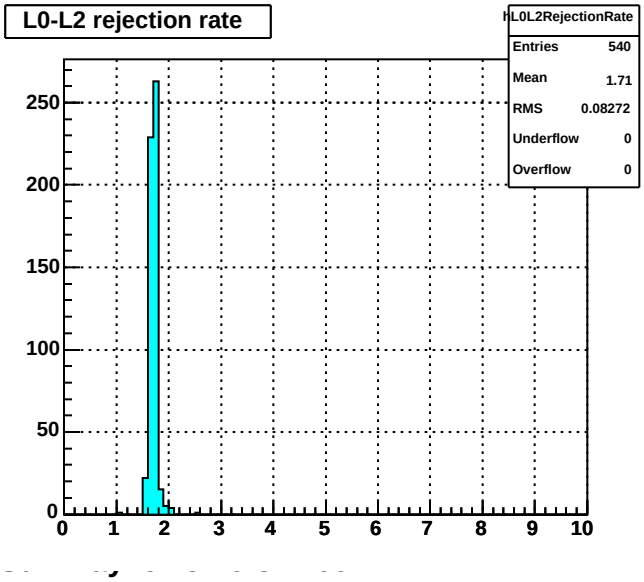

Energy of L2 cluster
hEnergyOfClusterL2
Entries 540
Mean 3.617
RMS 0.6196
Underflow 0
Overflow 0
χ² / ndf 26.67 / 18
Constant 10.36 ± 0.28
Slope -1.724 ± 0.076
E [GeV]

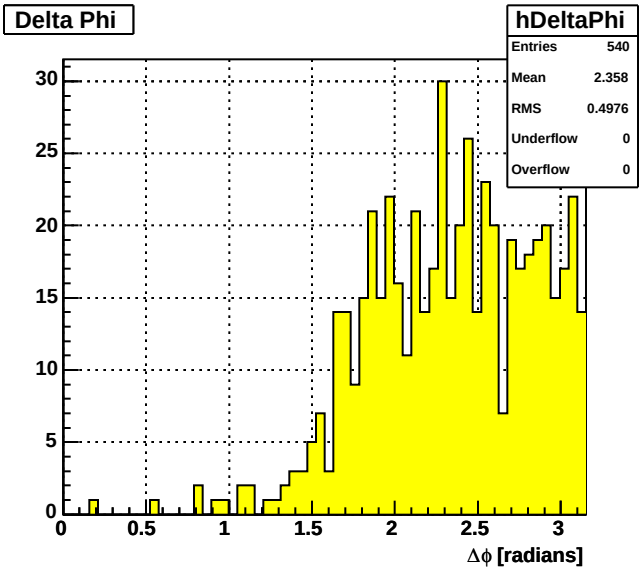

Invariant mass
hInvMass
Entries 540
Mean 9.077
RMS 1.605
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

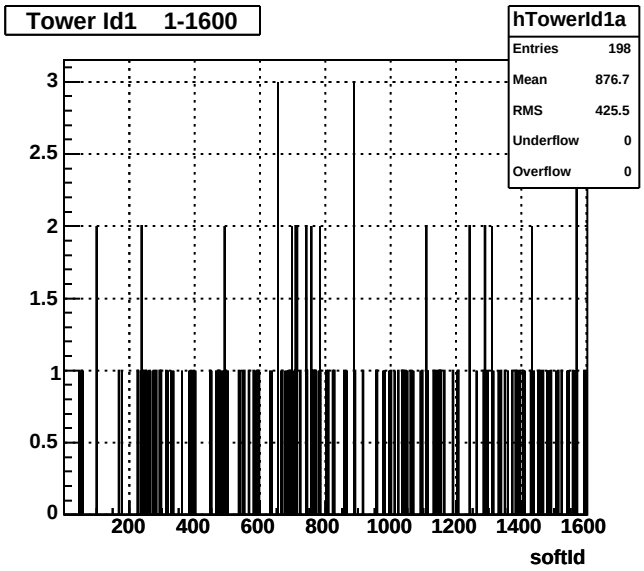

Opening angle
hCosTheta
Entries 540
Mean -0.5538
RMS 0.2951
Underflow 0
Overflow 0
cos θ

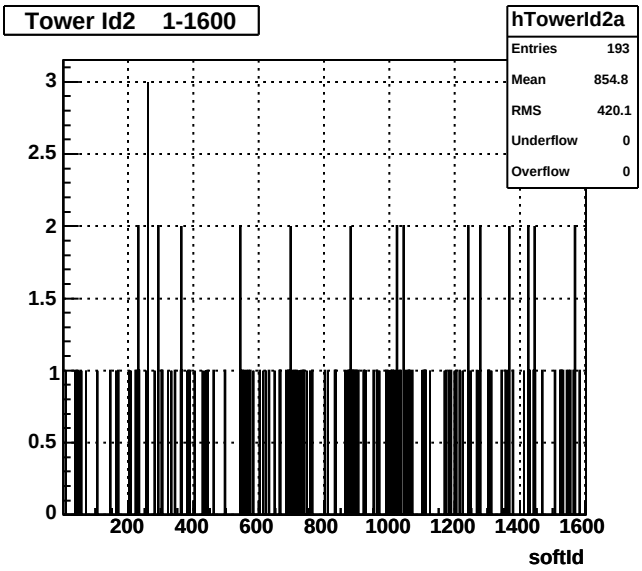

Number of hot towers
number of hot towers
events seen

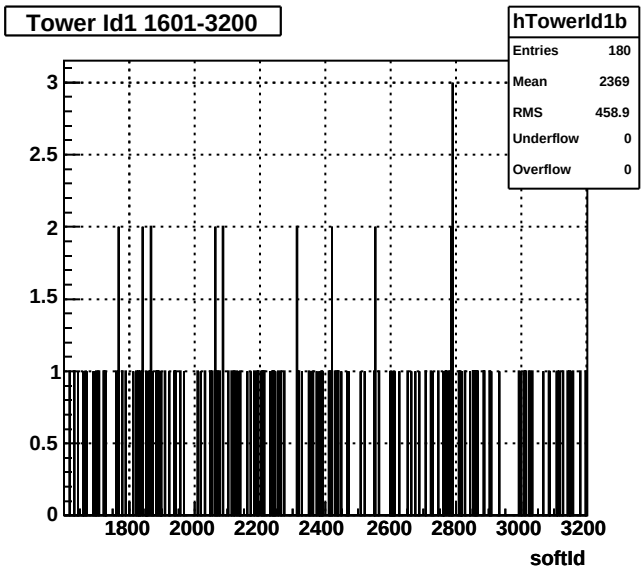

L2 processing time
hTime
Entries 540
Mean 281.2
RMS 51.9
Underflow 0
Overflow 47
time [μs]

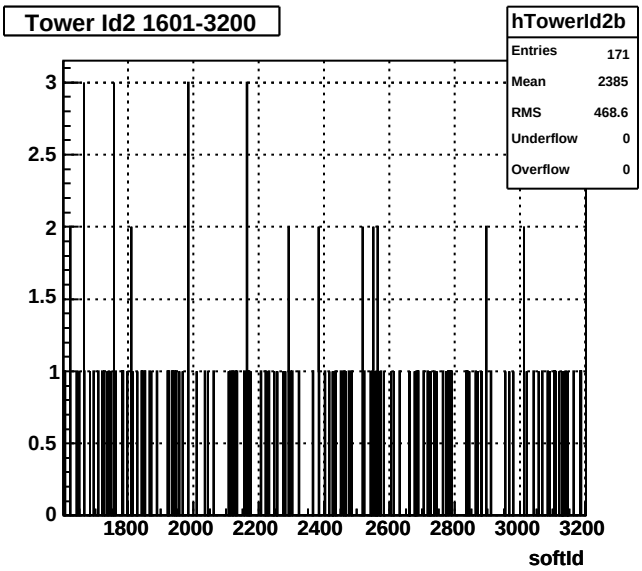

L0-L2 rejection rate
hL0L2RejectionRate
Entries 540
Mean 1.71
RMS 0.08272
Underflow 0
Overflow 0

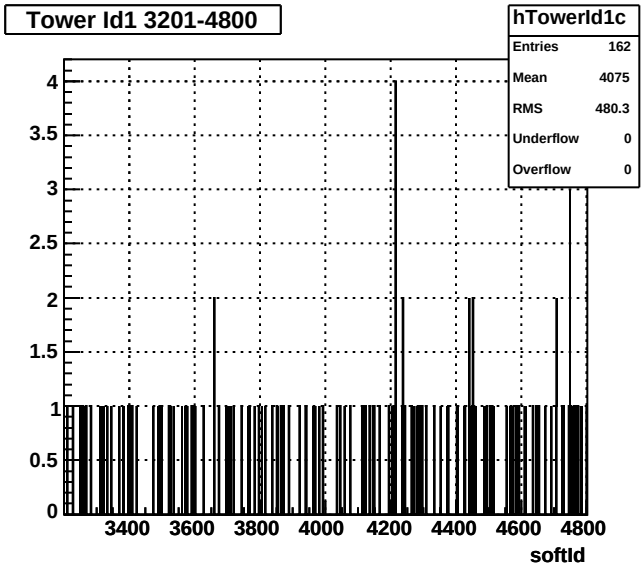

Delta Phi
hDeltaPhi
Entries 540
Mean 2.358
RMS 0.4976
Underflow 0
Overflow 0
Δφ [radians]

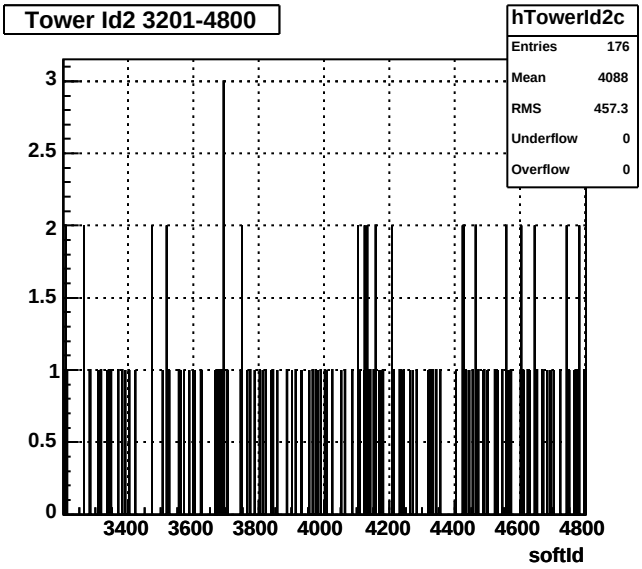

Tower Id1 1-1600
hTowerId1a
Entries 198
Mean 876.7
RMS 425.5
Underflow 0
Overflow 0
softId

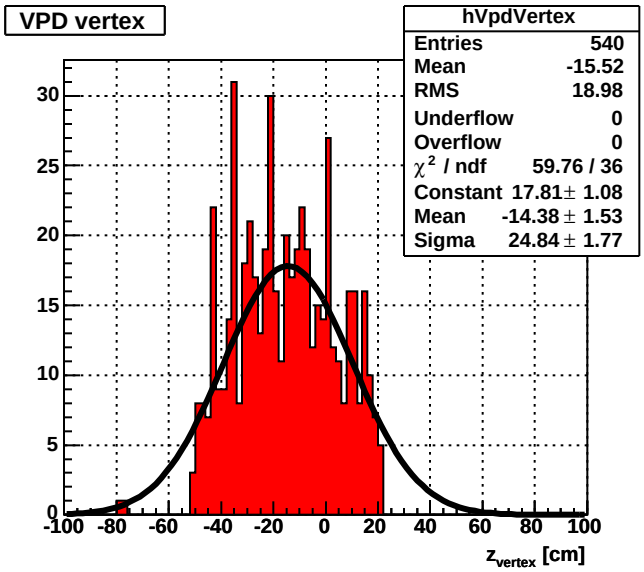

Tower Id2 1-1600
hTowerId2a
Entries 193
Mean 854.8
RMS 420.1
Underflow 0
Overflow 0
softId

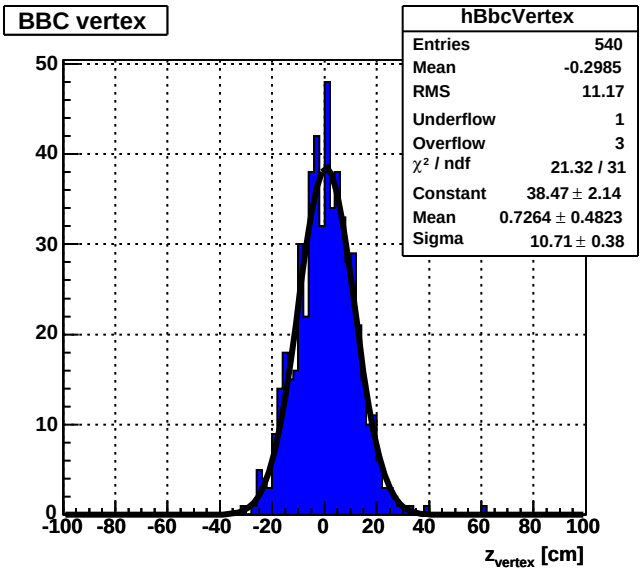

Tower Id1 1601-3200
hTowerId1b
Entries 180
Mean 2369
RMS 458.9
Underflow 0
Overflow 0
softId

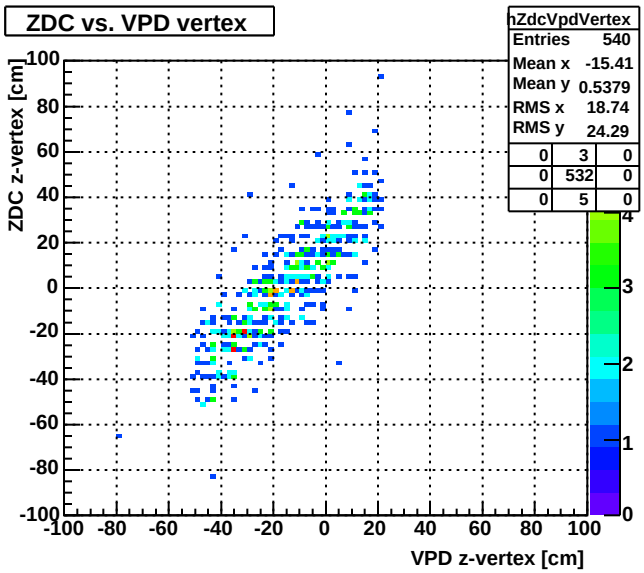

Tower Id2 1601-3200
hTowerId2b
Entries 171
Mean 2385
RMS 468.6
Underflow 0
Overflow 0
softId

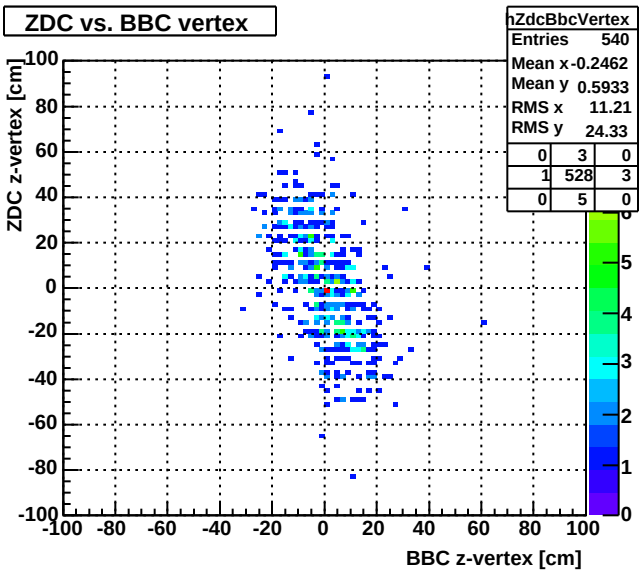

Tower Id1 3201-4800
hTowerId1c
Entries 162
Mean 4075
RMS 480.3
Underflow 0
Overflow 0
softId

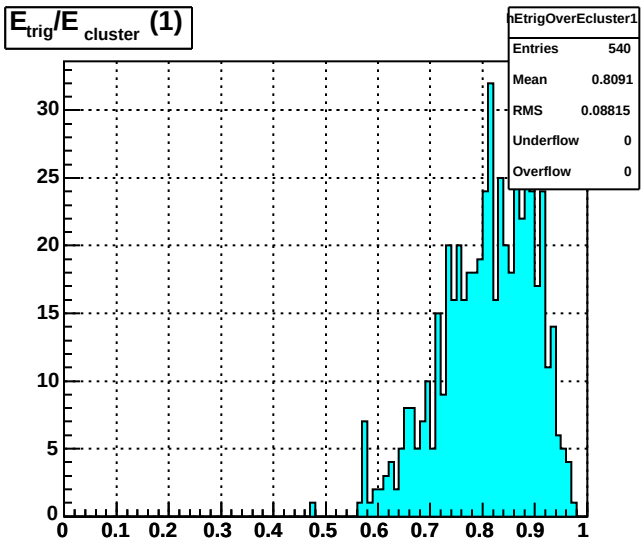

Tower Id2 3201-4800
hTowerId2c
Entries 176
Mean 4088
RMS 457.3
Underflow 0
Overflow 0
softId

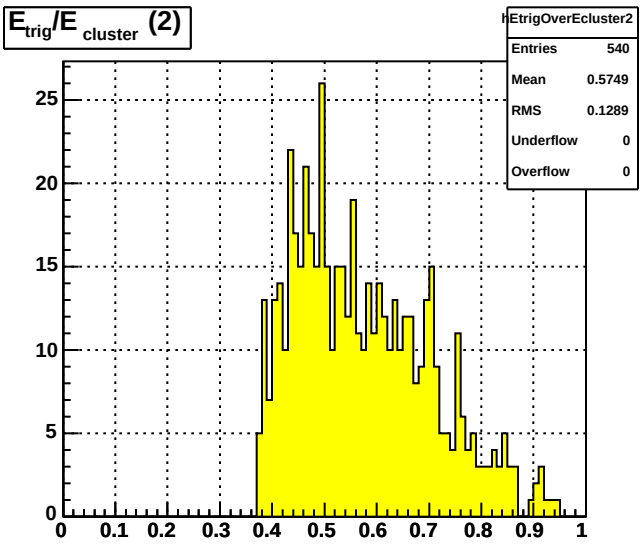

VPD vertex
hVpdVertex
Entries 540
Mean -15.52
RMS 18.98
Underflow 0
Overflow 0
χ² / ndf 59.76 / 36
Constant 17.81 ± 1.08
Mean -14.38 ± 1.53
Sigma 24.84 ± 1.77
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 540
Mean -0.2985
RMS 11.17
Underflow 1
Overflow 3
χ² / ndf 21.32 / 31
Constant 38.47 ± 2.14
Mean 0.7264 ± 0.4823
Sigma 10.71 ± 0.38
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 540
Mean x -15.41
Mean y 0.5379
RMS x 18.74
RMS y 24.29
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 540
Mean x -0.2462
Mean y 0.5933
RMS x 11.21
RMS y 24.33
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 540
Mean 0.8091
RMS 0.08815
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 540
Mean 0.5749
RMS 0.1289
Underflow 0
Overflow 0