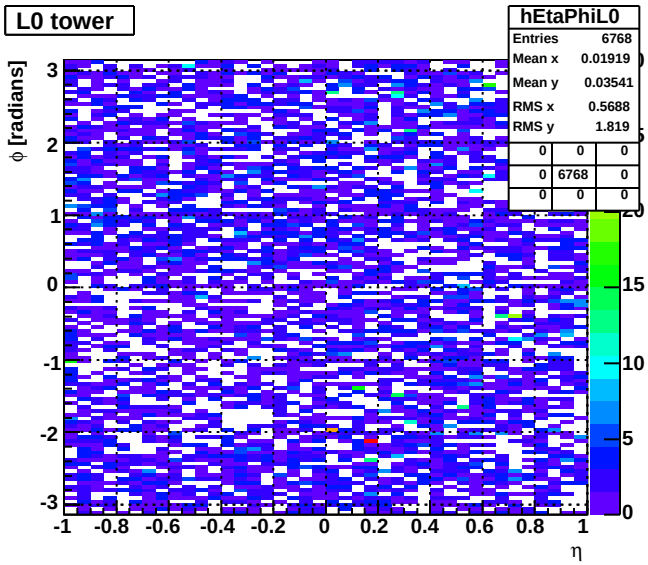
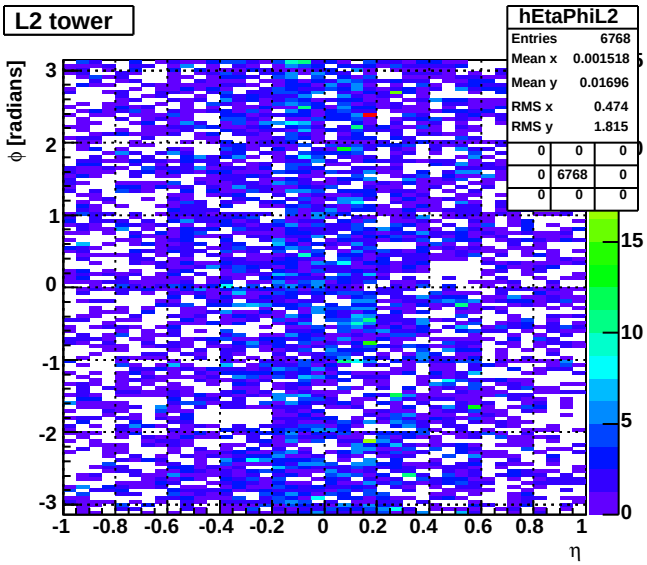
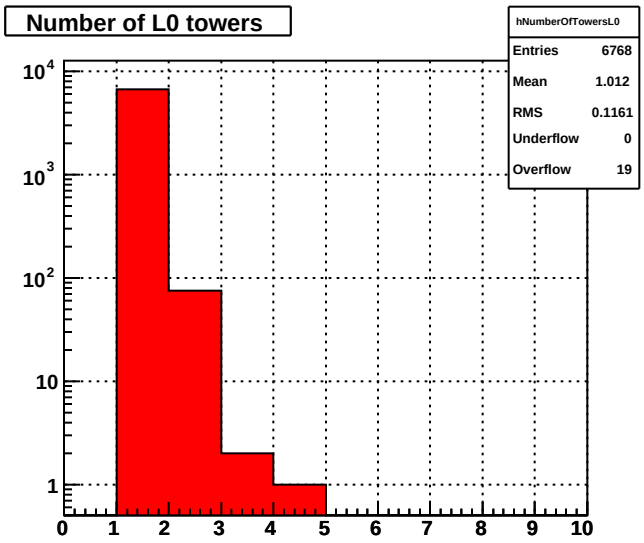
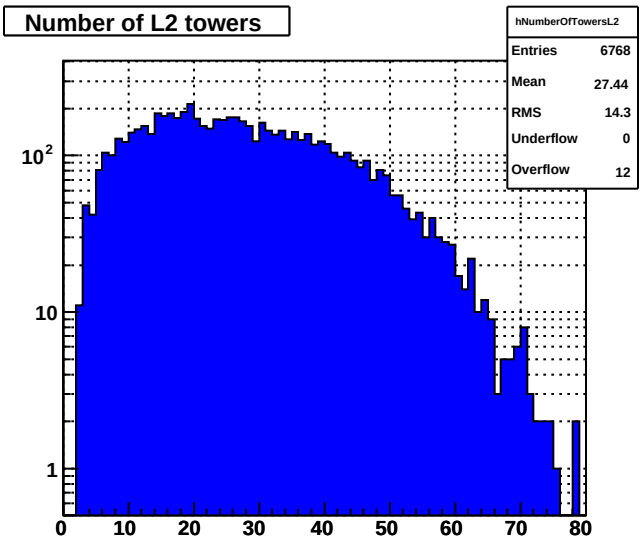
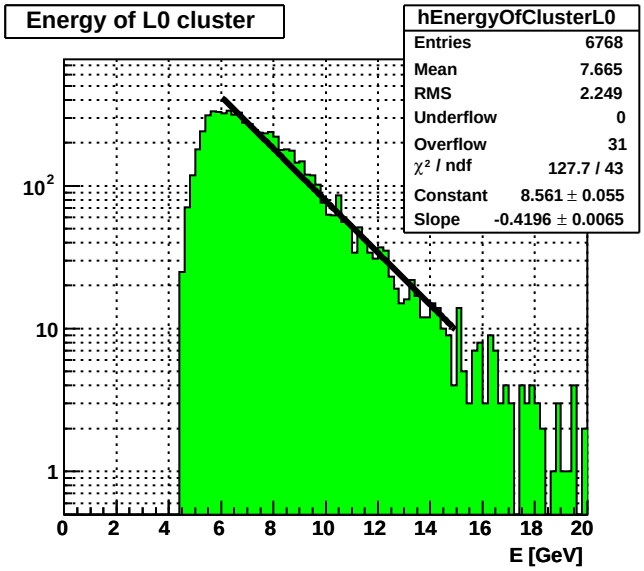
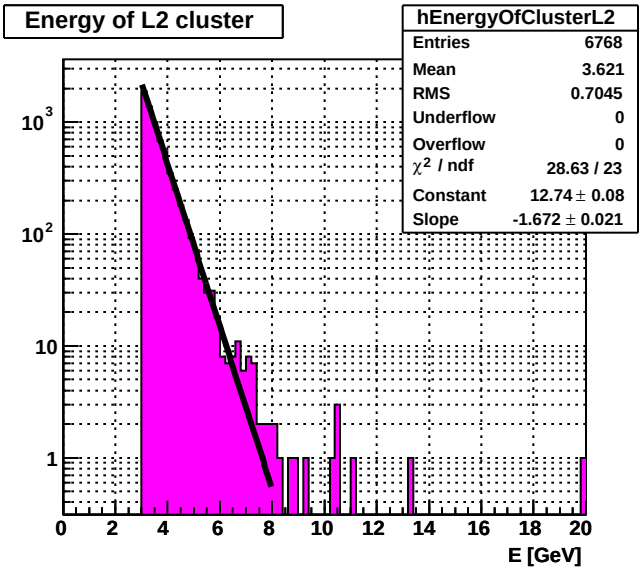

L0 tower
hEtaPhiL0
Entries 6768
Mean x 0.01919
Mean y 0.03541
RMS x 0.5688
RMS y 1.819
φ [radians]
η

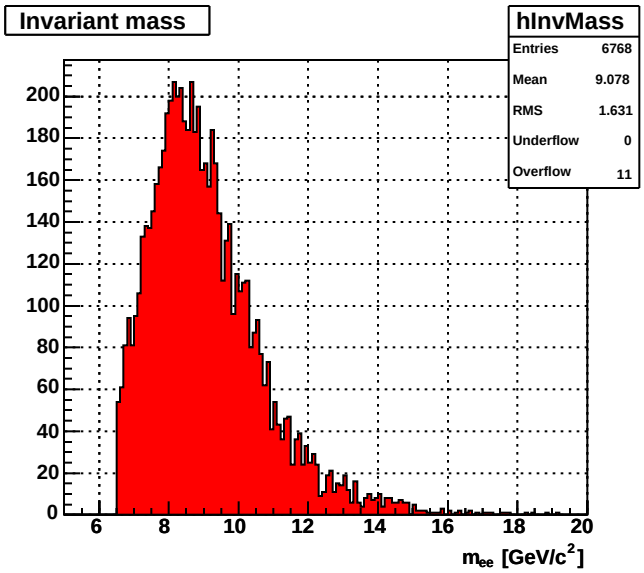

L2 tower
hEtaPhiL2
Entries 6768
Mean x 0.001518
Mean y 0.01696
RMS x 0.474
RMS y 1.815
φ [radians]
η

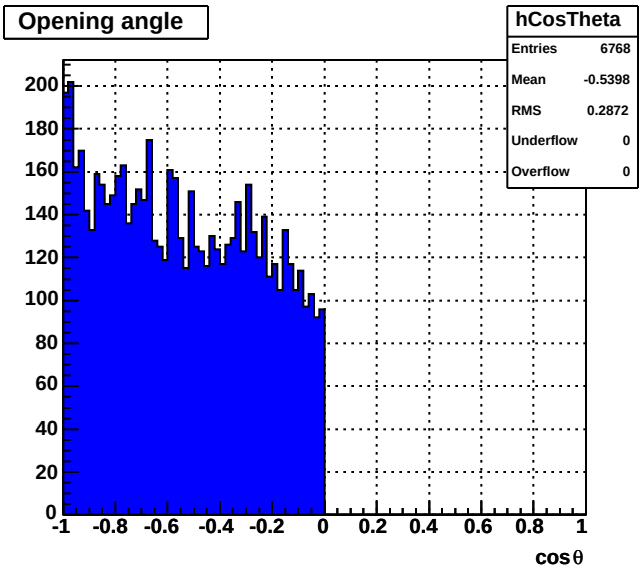

Number of L0 towers
hNumberOfTowersL0
Entries 6768
Mean 1.012
RMS 0.1161
Underflow 0
Overflow 19

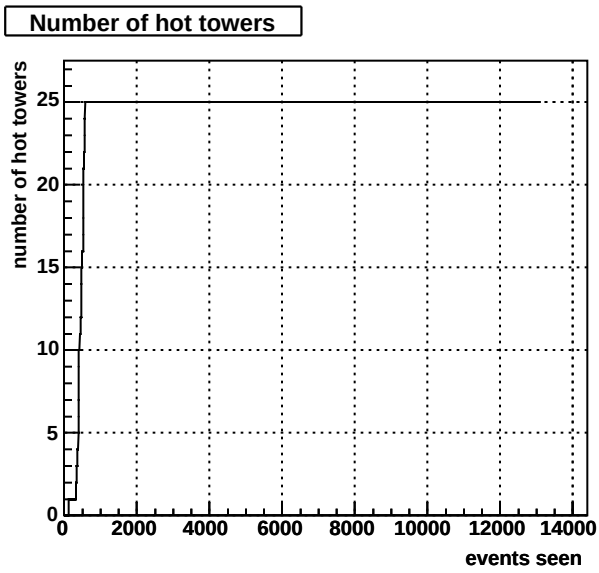

Number of L2 towers
hNumberOfTowersL2
Entries 6768
Mean 27.44
RMS 14.3
Underflow 0
Overflow 12

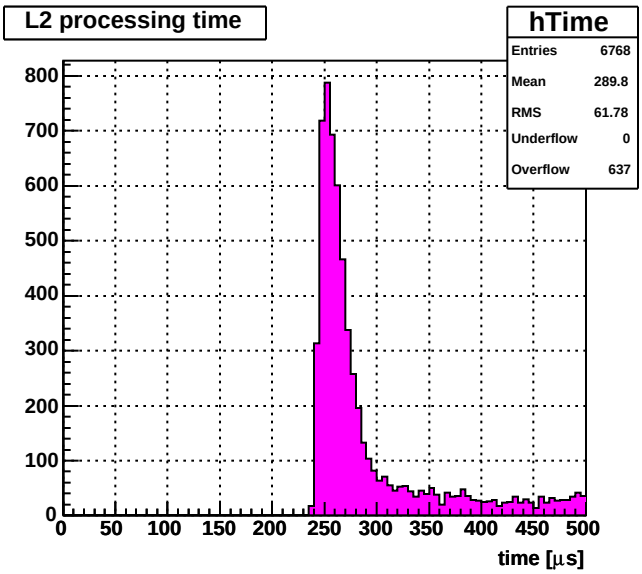

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6768
Mean 7.665
RMS 2.249
Underflow 0
Overflow 31
χ² / ndf 127.7 / 43
Constant 8.561 ± 0.055
Slope -0.4196 ± 0.0065
E [GeV]

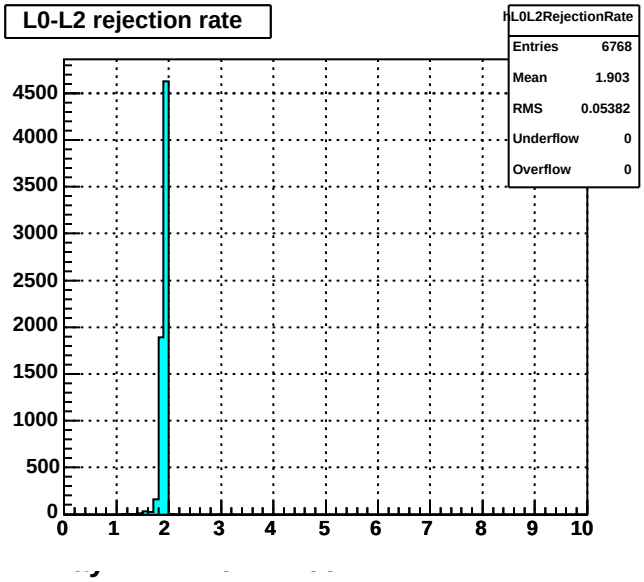

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6768
Mean 3.621
RMS 0.7045
Underflow 0
Overflow 0
χ² / ndf 28.63 / 23
Constant 12.74 ± 0.08
Slope -1.672 ± 0.021
E [GeV]

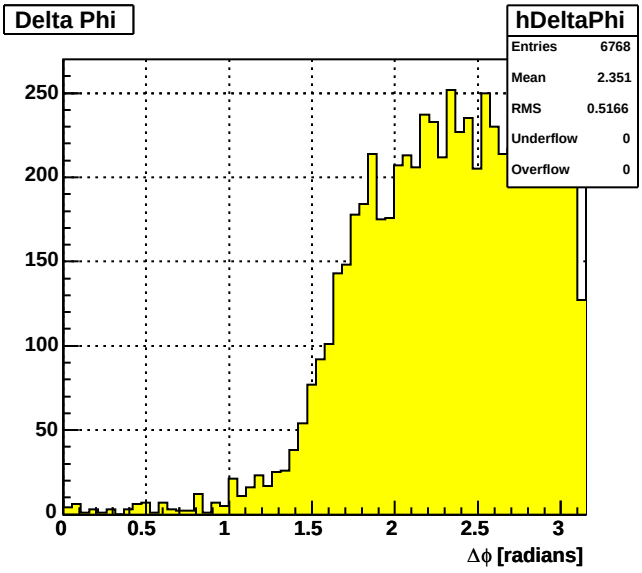

Invariant mass
hInvMass
Entries 6768
Mean 9.078
RMS 1.631
Underflow 0
Overflow 11
m_{ee} [GeV/c^2]

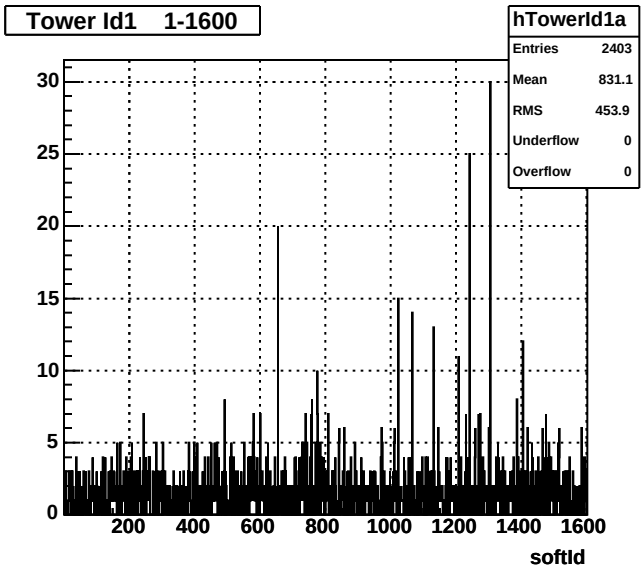

Opening angle
hCosTheta
Entries 6768
Mean -0.5398
RMS 0.2872
Underflow 0
Overflow 0
cos θ

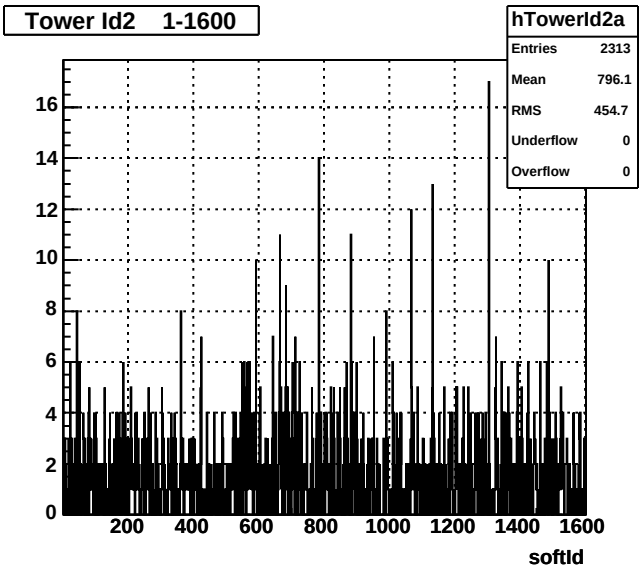

Number of hot towers
number of hot towers
events seen

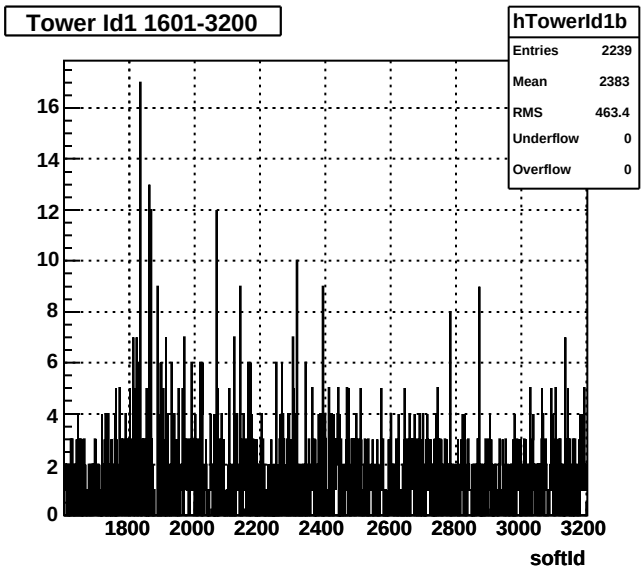

L2 processing time
hTime
Entries 6768
Mean 289.8
RMS 61.78
Underflow 0
Overflow 637
time [μs]

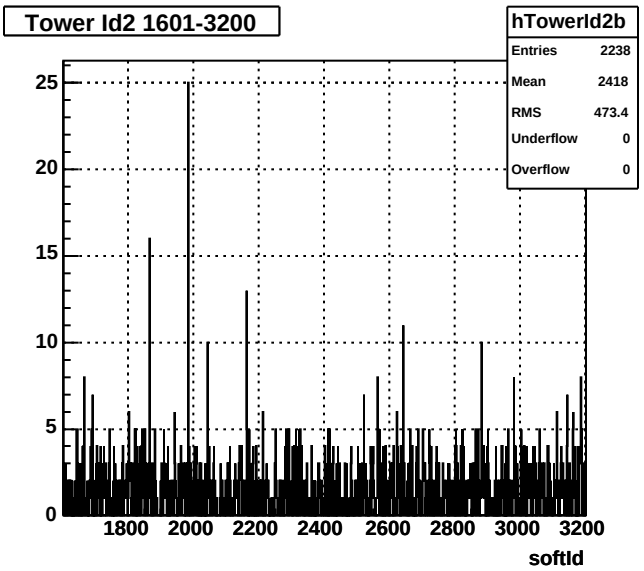

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6768
Mean 1.903
RMS 0.05382
Underflow 0
Overflow 0

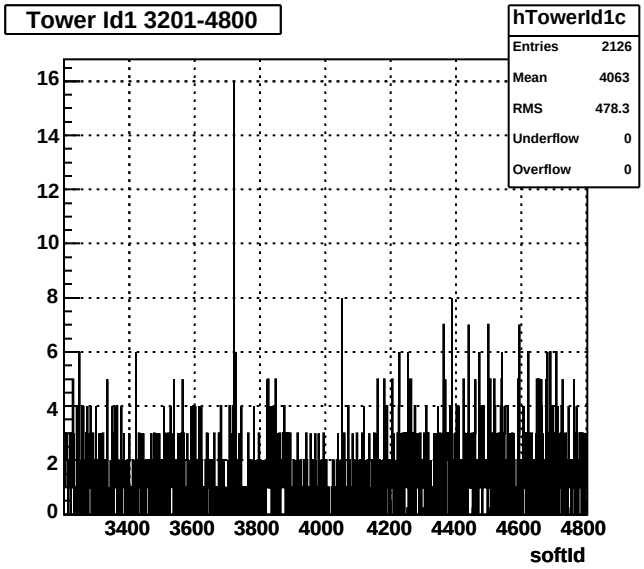

Delta Phi
hDeltaPhi
Entries 6768
Mean 2.351
RMS 0.5166
Underflow 0
Overflow 0
Δφ [radians]

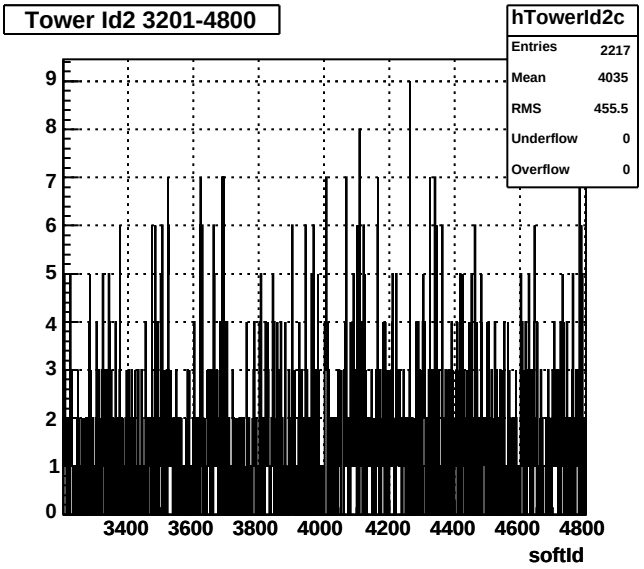

Tower Id1 1-1600
hTowerId1a
Entries 2403
Mean 831.1
RMS 453.9
Underflow 0
Overflow 0
softId

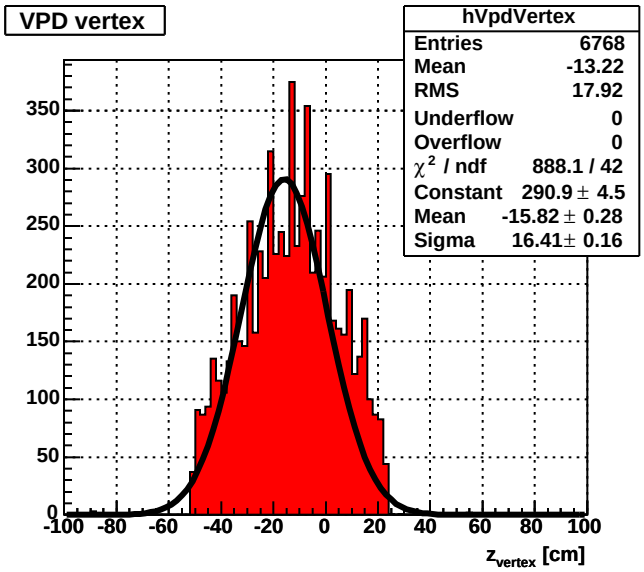

Tower Id2 1-1600
hTowerId2a
Entries 2313
Mean 796.1
RMS 454.7
Underflow 0
Overflow 0
softId

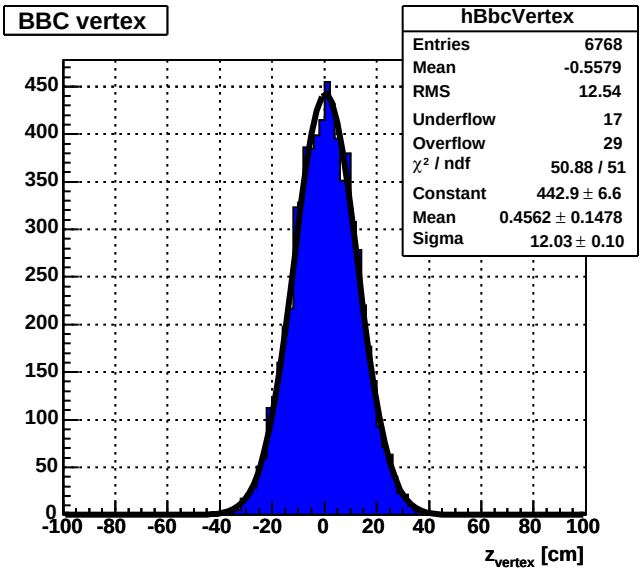

Tower Id1 1601-3200
hTowerId1b
Entries 2239
Mean 2383
RMS 463.4
Underflow 0
Overflow 0
softId

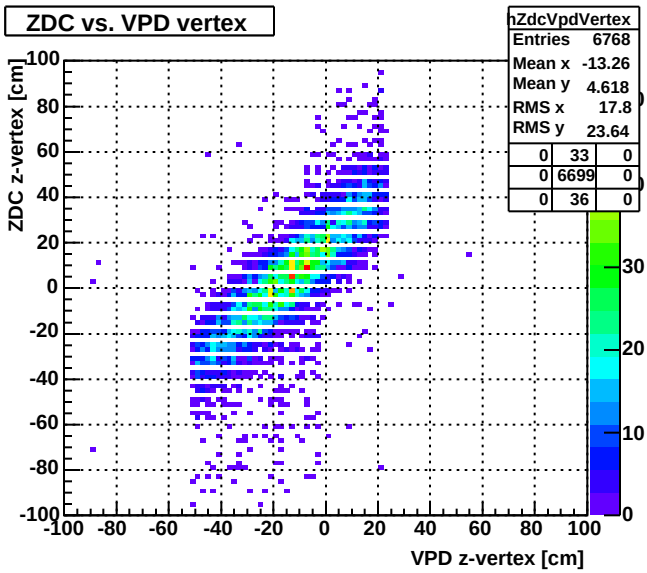

Tower Id2 1601-3200
hTowerId2b
Entries 2238
Mean 2418
RMS 473.4
Underflow 0
Overflow 0
softId

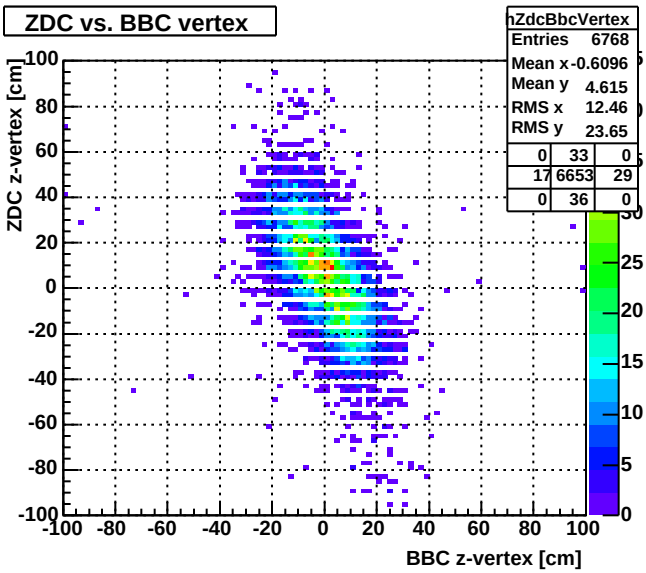

Tower Id1 3201-4800
hTowerId1c
Entries 2126
Mean 4063
RMS 478.3
Underflow 0
Overflow 0
softId

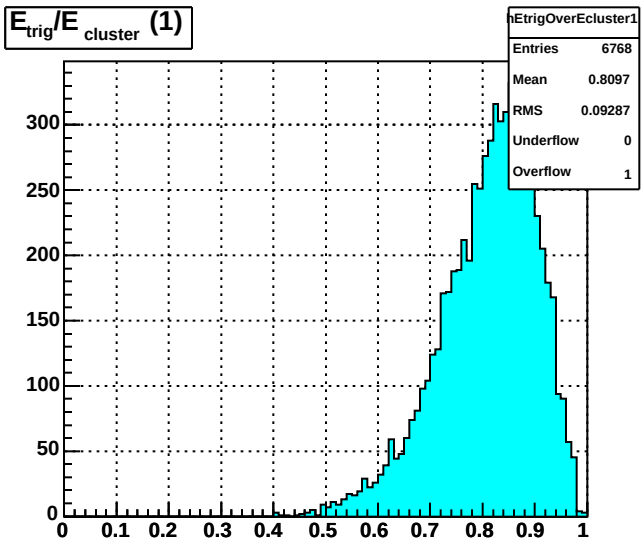

Tower Id2 3201-4800
hTowerId2c
Entries 2217
Mean 4035
RMS 455.5
Underflow 0
Overflow 0
softId

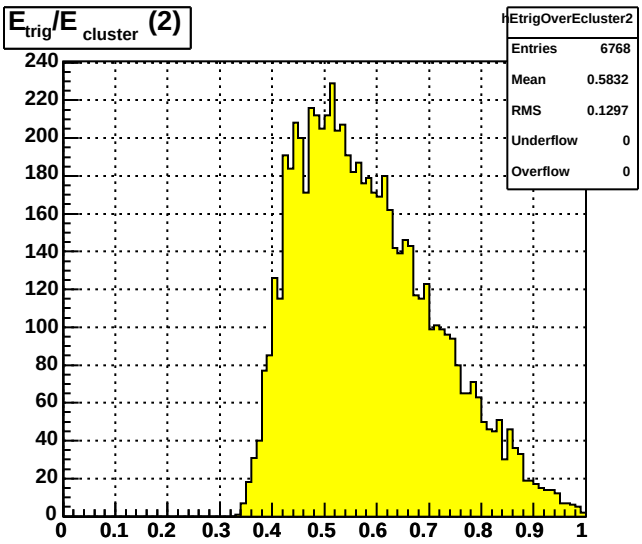

VPD vertex
hVpdVertex
Entries 6768
Mean -13.22
RMS 17.92
Underflow 0
Overflow 0
χ² / ndf 888.1 / 42
Constant 290.9 ± 4.5
Mean -15.82 ± 0.28
Sigma 16.41 ± 0.16
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6768
Mean -0.5579
RMS 12.54
Underflow 17
Overflow 29
χ² / ndf 50.88 / 51
Constant 442.9 ± 6.6
Mean 0.4562 ± 0.1478
Sigma 12.03 ± 0.10
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6768
Mean x -13.26
Mean y 4.618
RMS x 17.8
RMS y 23.64
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6768
Mean x -0.6096
Mean y 4.615
RMS x 12.46
RMS y 23.65
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6768
Mean 0.8097
RMS 0.09287
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6768
Mean 0.5832
RMS 0.1297
Underflow 0
Overflow 0