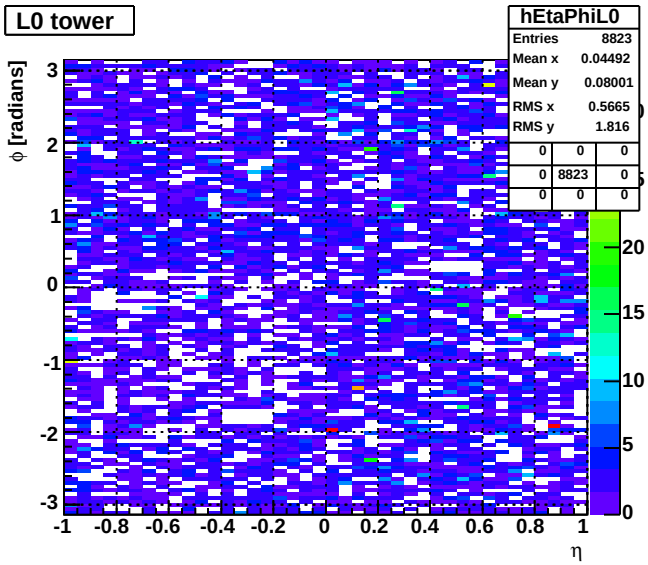
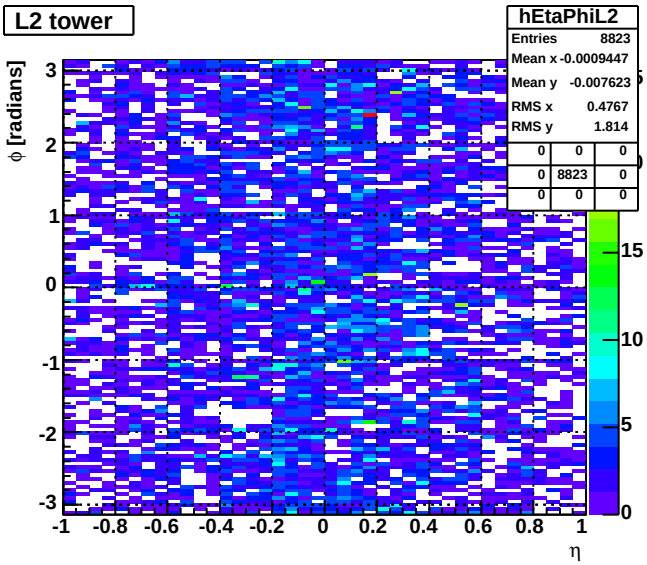
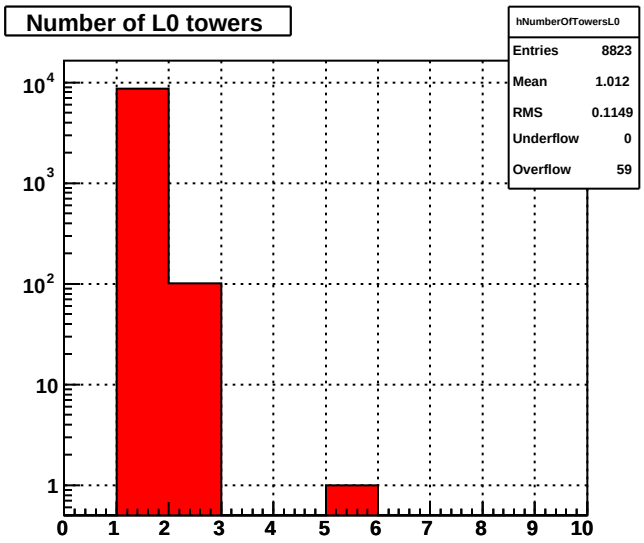
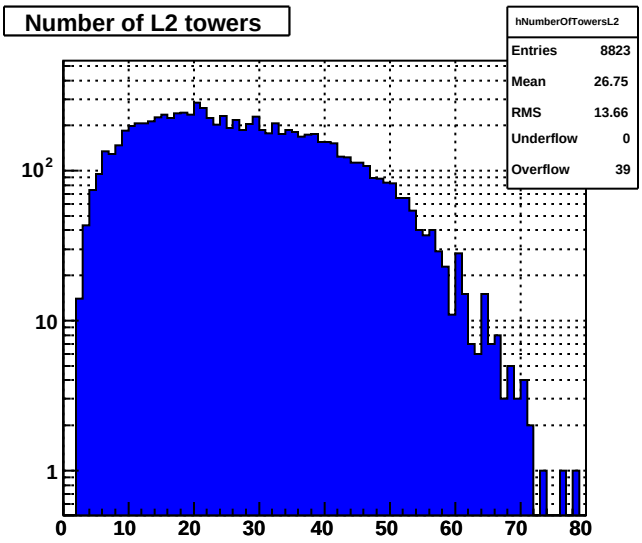
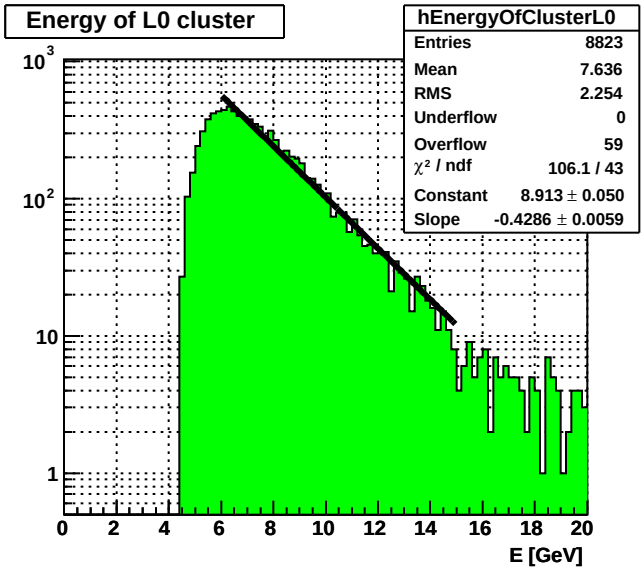
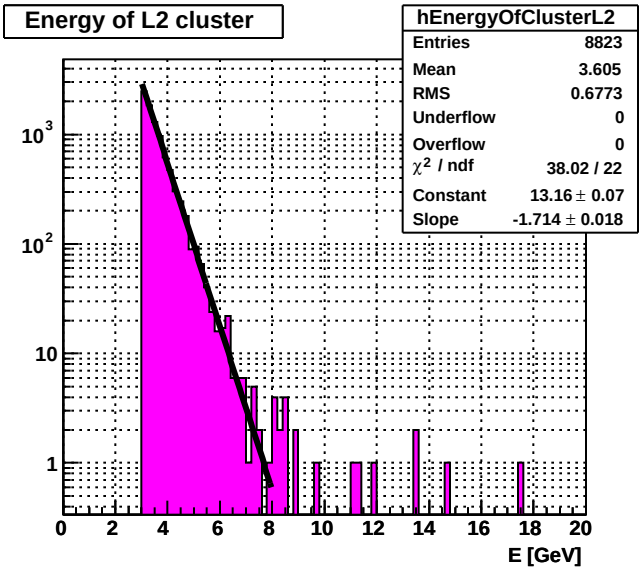

L0 tower
hEtaPhiL0
Entries 8823
Mean x 0.04492
Mean y 0.08001
RMS x 0.5665
RMS y 1.816
φ [radians]
η

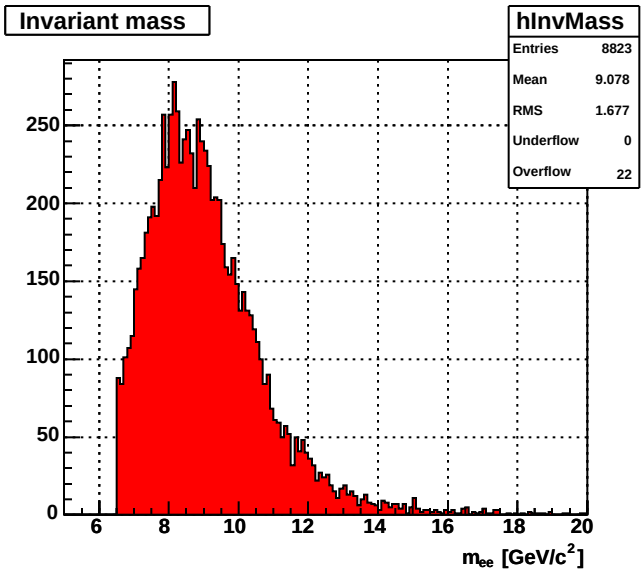

L2 tower
hEtaPhiL2
Entries 8823
Mean x -0.0009447
Mean y -0.007623
RMS x 0.4767
RMS y 1.814
φ [radians]
η

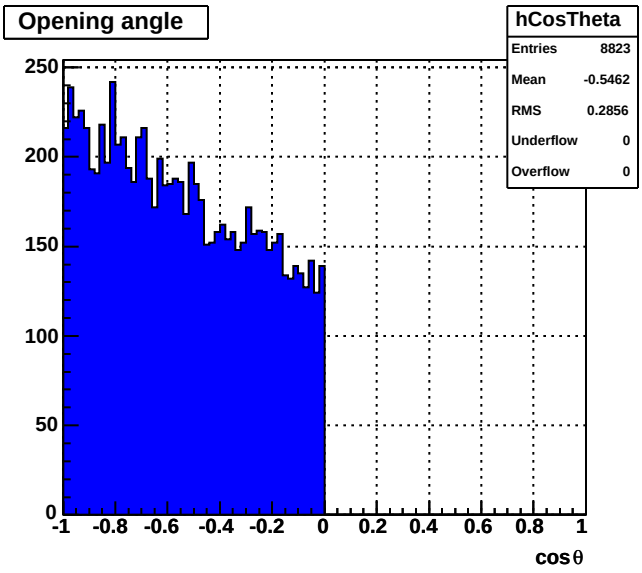

Number of L0 towers
hNumberOfTowersL0
Entries 8823
Mean 1.012
RMS 0.1149
Underflow 0
Overflow 59

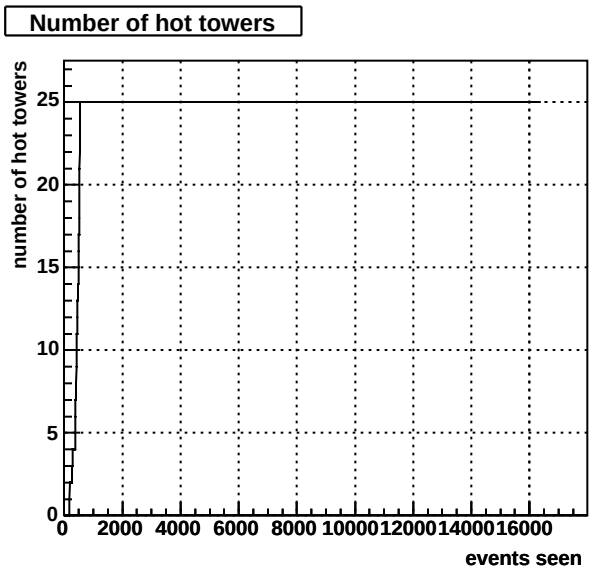

Number of L2 towers
hNumberOfTowersL2
Entries 8823
Mean 26.75
RMS 13.66
Underflow 0
Overflow 39

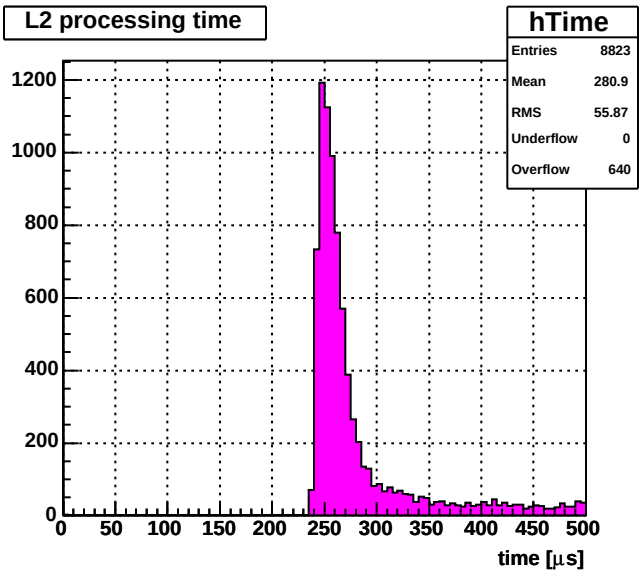

Energy of L0 cluster
hEnergyOfClusterL0
Entries 8823
Mean 7.636
RMS 2.254
Underflow 0
Overflow 59
χ² / ndf 106.1 / 43
Constant 8.913 ± 0.050
Slope -0.4286 ± 0.0059
E [GeV]

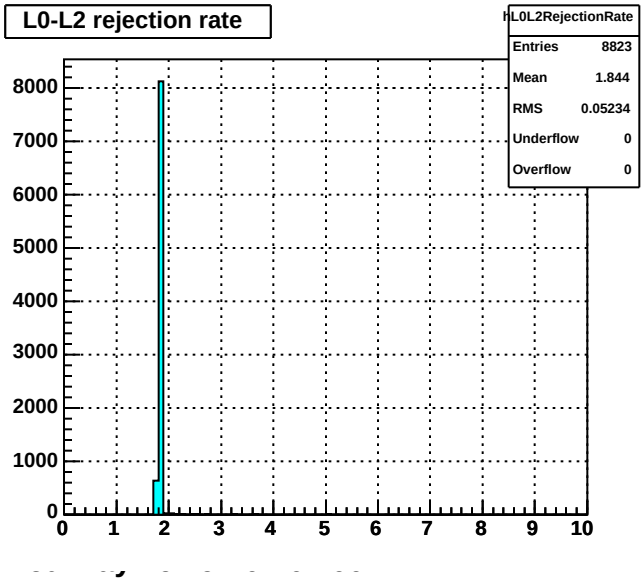

Energy of L2 cluster
hEnergyOfClusterL2
Entries 8823
Mean 3.605
RMS 0.6773
Underflow 0
Overflow 0
χ² / ndf 38.02 / 22
Constant 13.16 ± 0.07
Slope -1.714 ± 0.018
E [GeV]

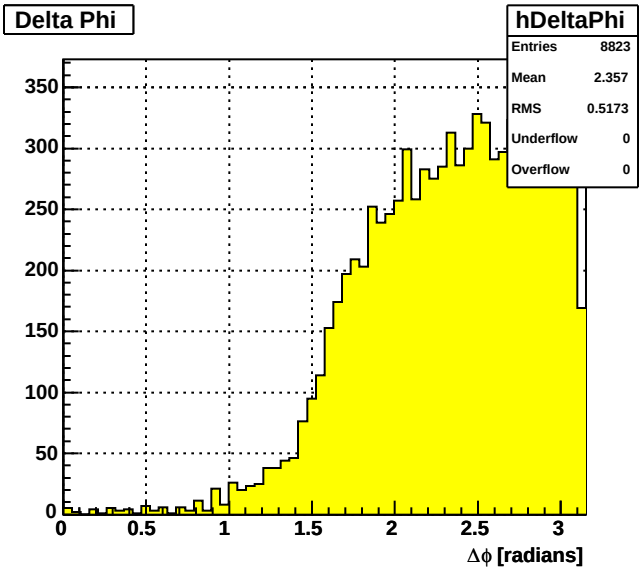

Invariant mass
hInvMass
Entries 8823
Mean 9.078
RMS 1.677
Underflow 0
Overflow 22
m_{ee} [GeV/c^2]

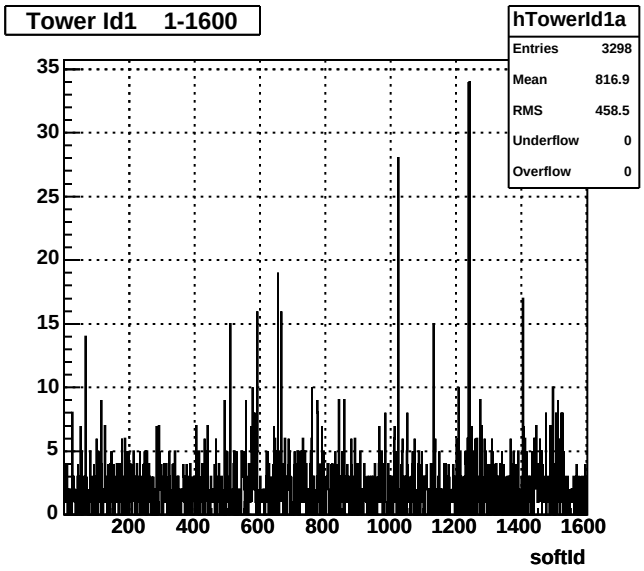

Opening angle
hCosTheta
Entries 8823
Mean -0.5462
RMS 0.2856
Underflow 0
Overflow 0
cos θ

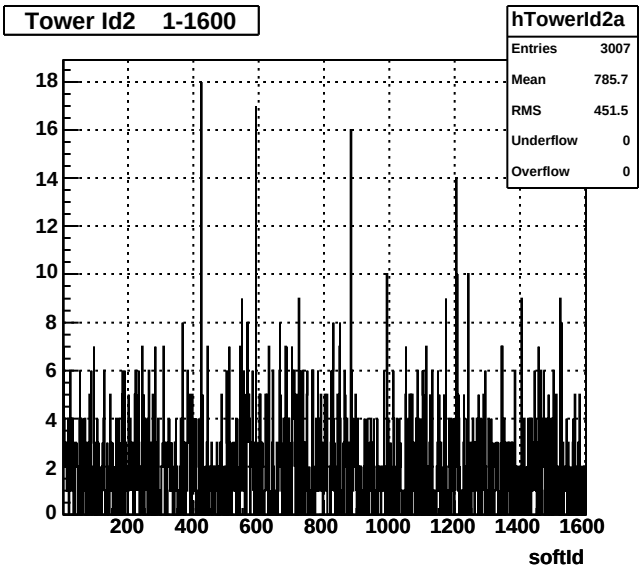

Number of hot towers
number of hot towers
events seen

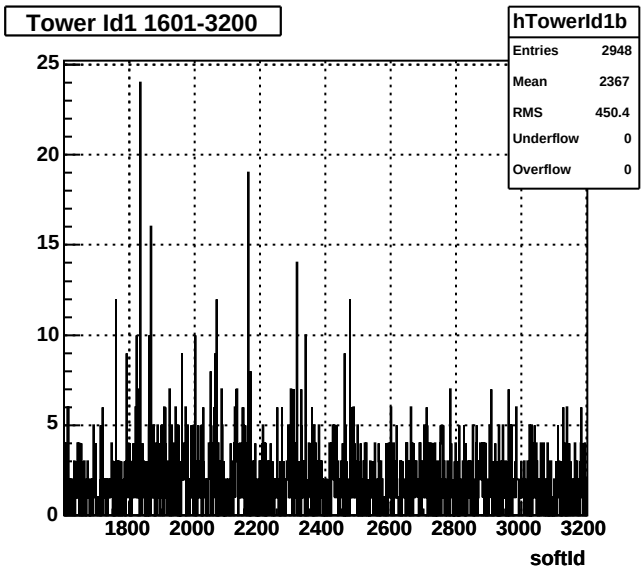

L2 processing time
hTime
Entries 8823
Mean 280.9
RMS 55.87
Underflow 0
Overflow 640
time [μs]

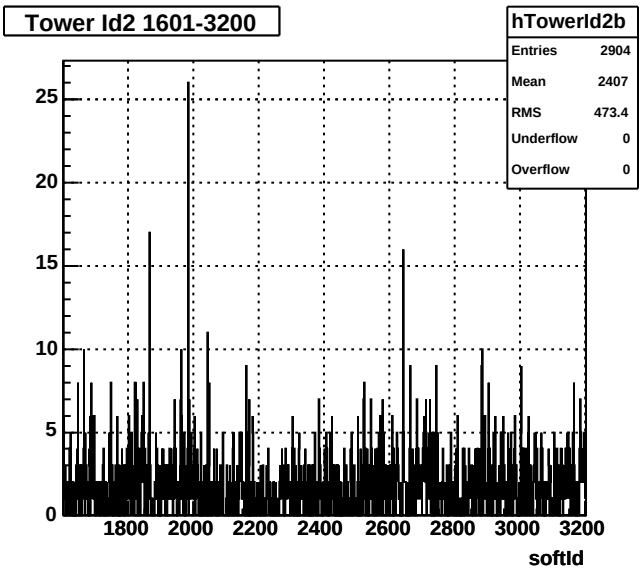

L0-L2 rejection rate
hL0L2RejectionRate
Entries 8823
Mean 1.844
RMS 0.05234
Underflow 0
Overflow 0

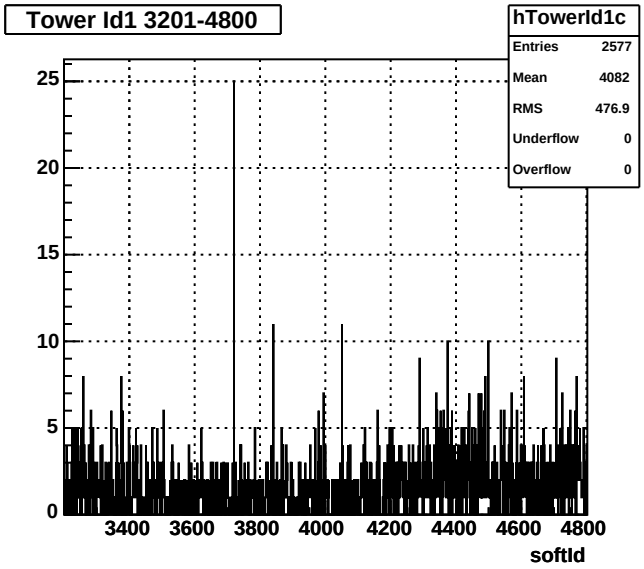

Delta Phi
hDeltaPhi
Entries 8823
Mean 2.357
RMS 0.5173
Underflow 0
Overflow 0
Δφ [radians]

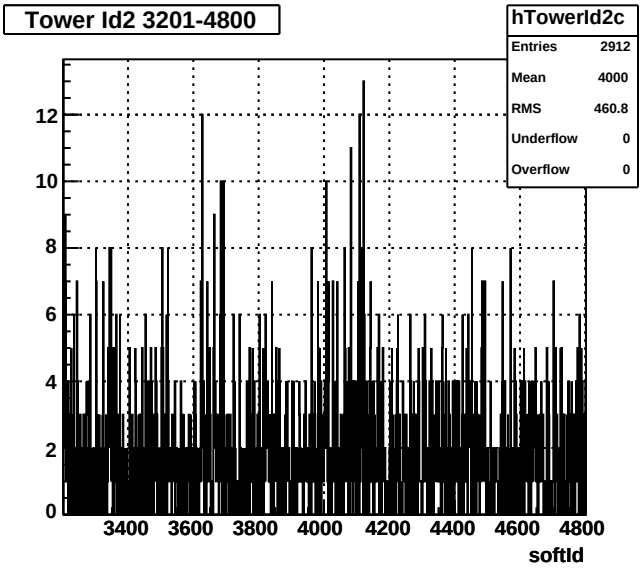

Tower Id1 1-1600
hTowerId1a
Entries 3298
Mean 816.9
RMS 458.5
Underflow 0
Overflow 0
softId

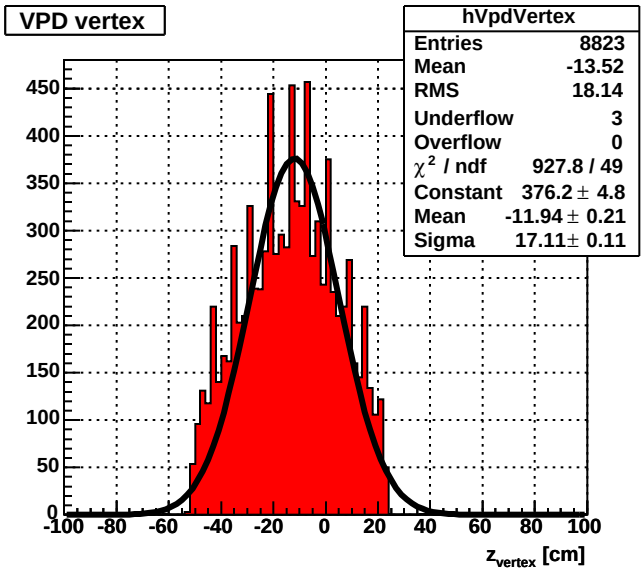

Tower Id2 1-1600
hTowerId2a
Entries 3007
Mean 785.7
RMS 451.5
Underflow 0
Overflow 0
softId

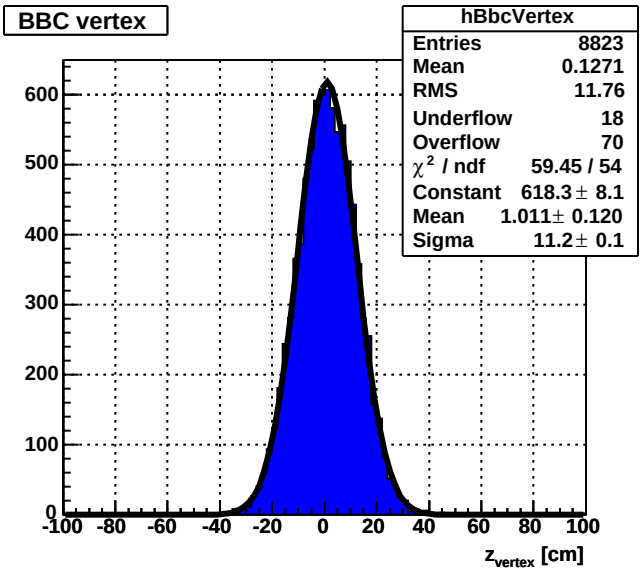

Tower Id1 1601-3200
hTowerId1b
Entries 2948
Mean 2367
RMS 450.4
Underflow 0
Overflow 0
softId

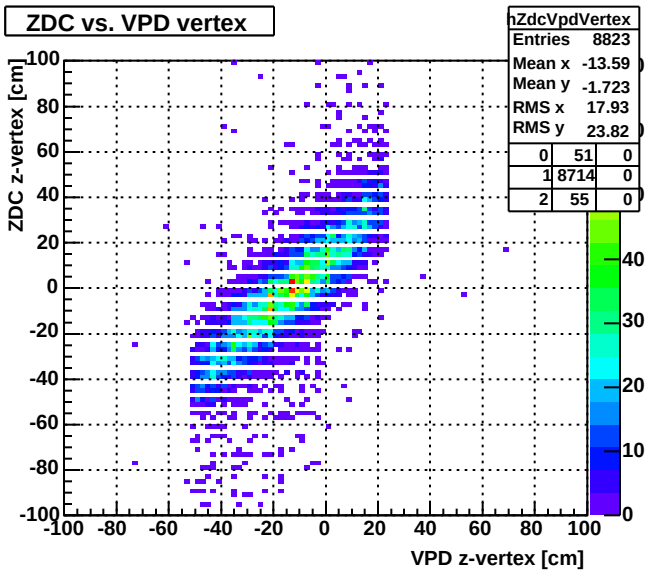

Tower Id2 1601-3200
hTowerId2b
Entries 2904
Mean 2407
RMS 473.4
Underflow 0
Overflow 0
softId

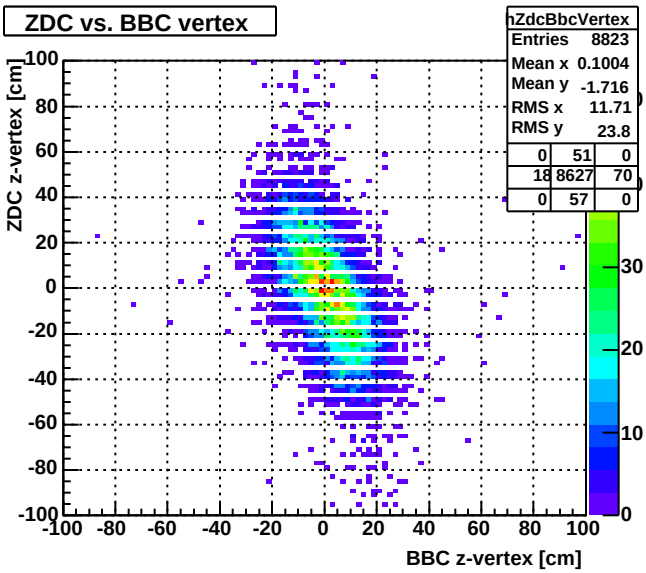

Tower Id1 3201-4800
hTowerId1c
Entries 2577
Mean 4082
RMS 476.9
Underflow 0
Overflow 0
softId

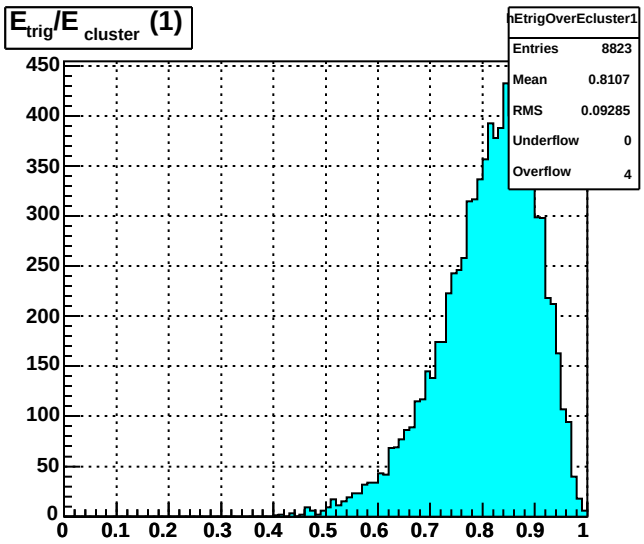

Tower Id2 3201-4800
hTowerId2c
Entries 2912
Mean 4000
RMS 460.8
Underflow 0
Overflow 0
softId

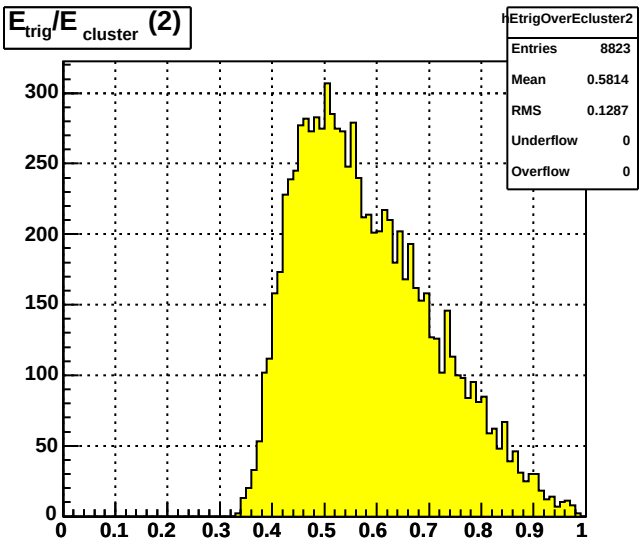

VPD vertex
hVpdVertex
Entries 8823
Mean -13.52
RMS 18.14
Underflow 3
Overflow 0
χ² / ndf 927.8 / 49
Constant 376.2 ± 4.8
Mean -11.94 ± 0.21
Sigma 17.11 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 8823
Mean 0.1271
RMS 11.76
Underflow 18
Overflow 70
χ² / ndf 59.45 / 54
Constant 618.3 ± 8.1
Mean 1.011 ± 0.120
Sigma 11.2 ± 0.1
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 8823
Mean x -13.59
Mean y -1.723
RMS x 17.93
RMS y 23.82
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 8823
Mean x 0.1004
Mean y -1.716
RMS x 11.71
RMS y 23.8
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 8823
Mean 0.8107
RMS 0.09285
Underflow 0
Overflow 4


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 8823
Mean 0.5814
RMS 0.1287
Underflow 0
Overflow 0