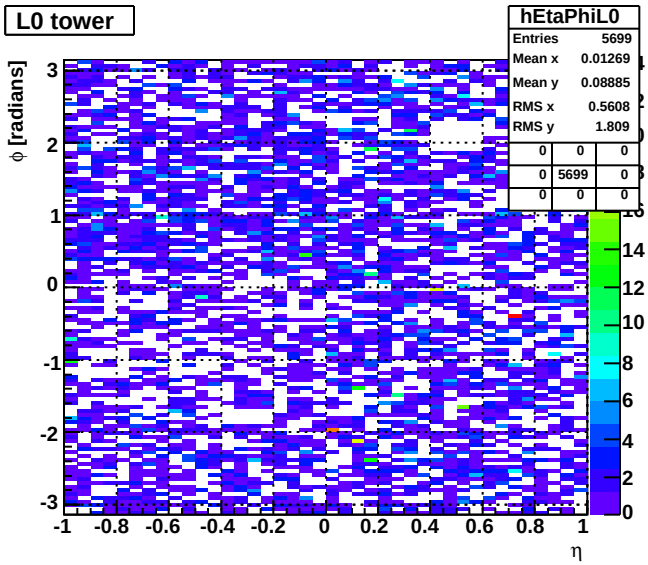
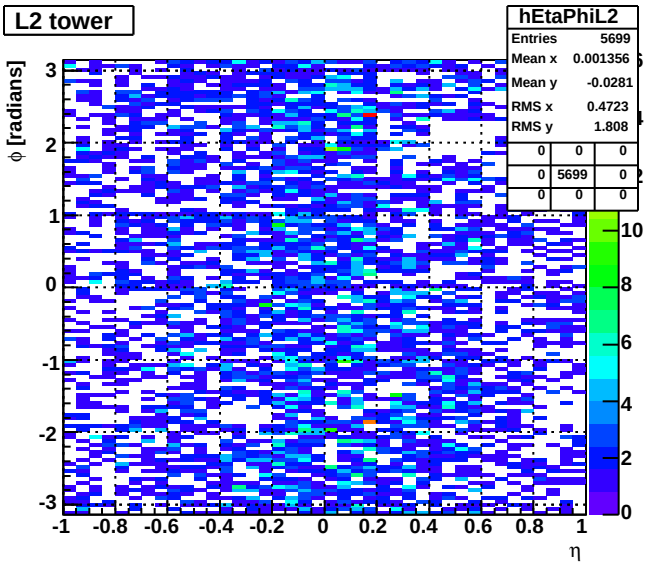
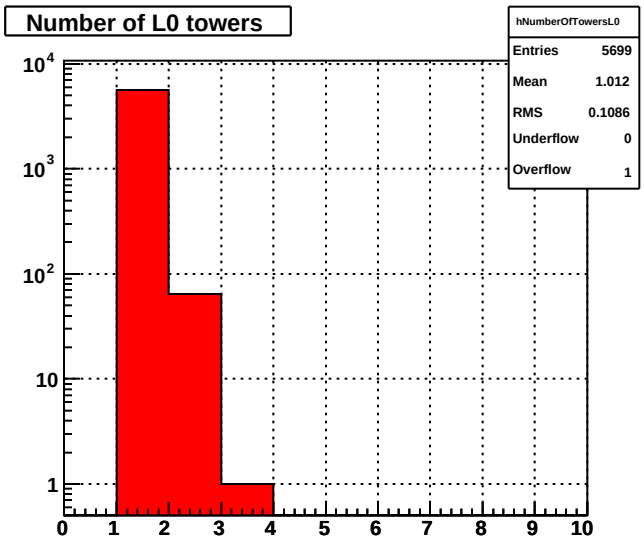
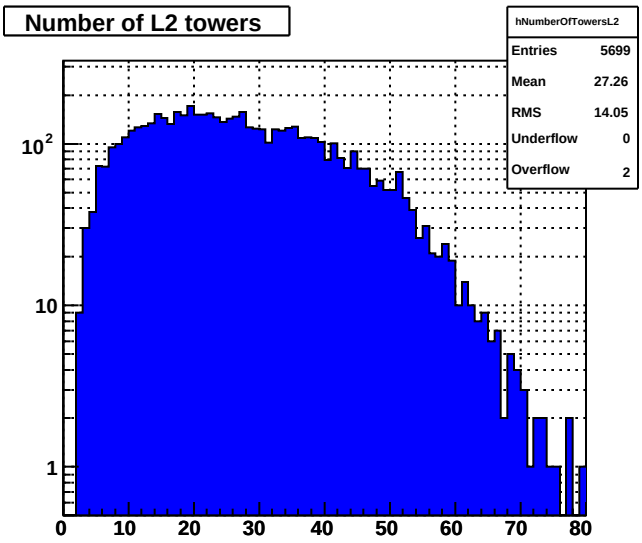
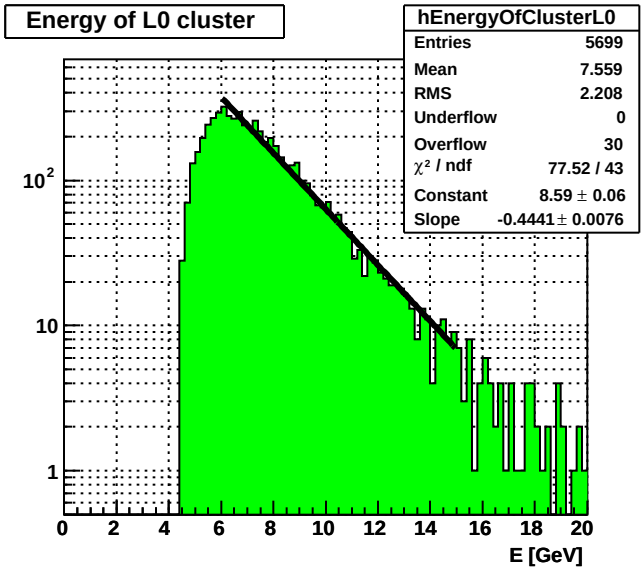
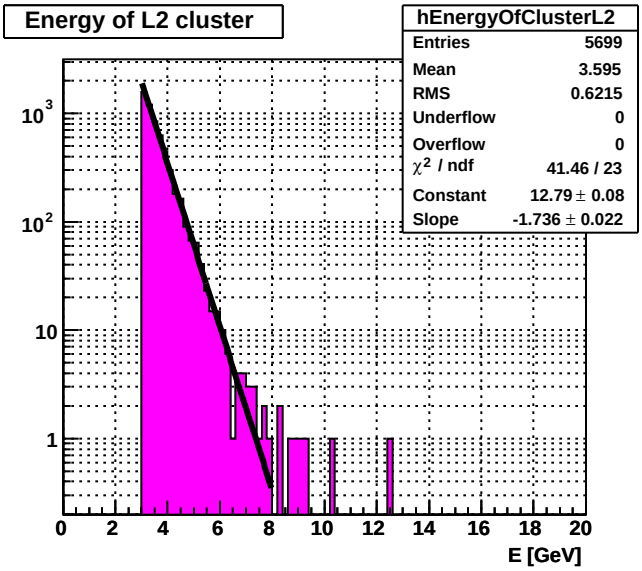

L0 tower
hEtaPhiL0
Entries 5699
Mean x 0.01269
Mean y 0.08885
RMS x 0.5608
RMS y 1.809
φ [radians]
η

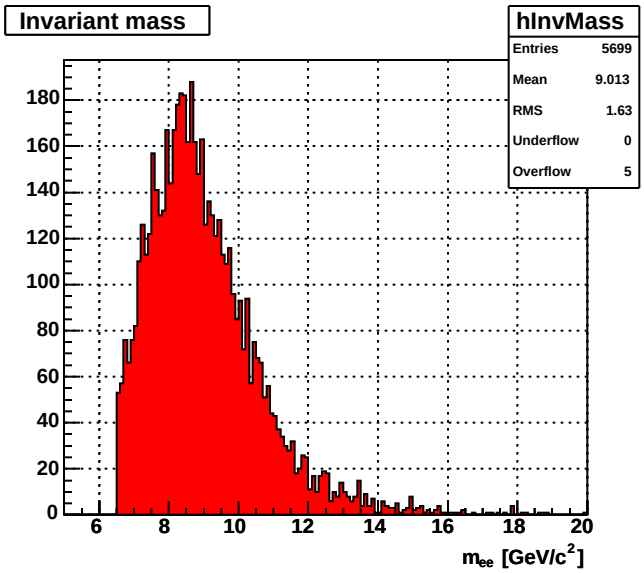

L2 tower
hEtaPhiL2
Entries 5699
Mean x 0.001356
Mean y -0.0281
RMS x 0.4723
RMS y 1.808
φ [radians]
η

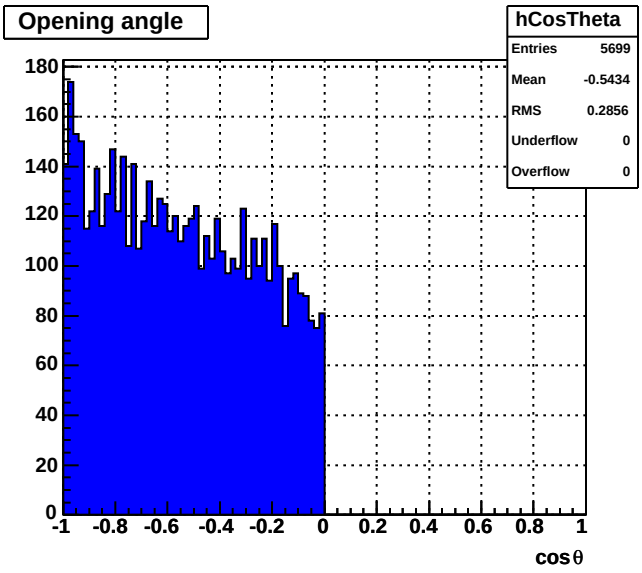

Number of L0 towers
hNumberOfTowersL0
Entries 5699
Mean 1.012
RMS 0.1086
Underflow 0
Overflow 1

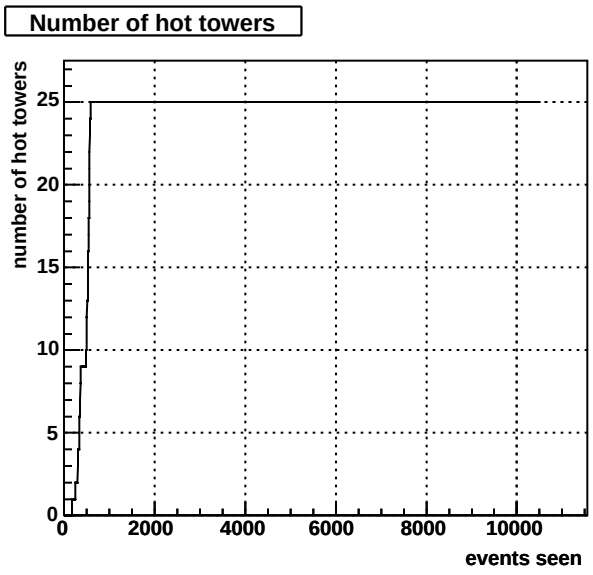

Number of L2 towers
hNumberOfTowersL2
Entries 5699
Mean 27.26
RMS 14.05
Underflow 0
Overflow 2

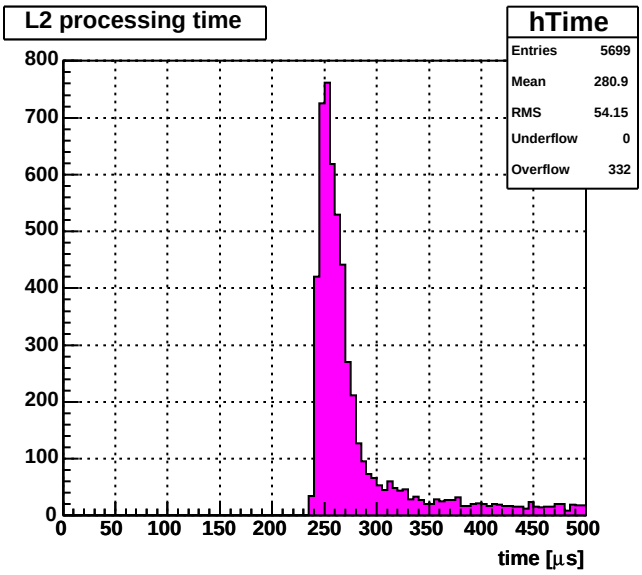

Energy of L0 cluster
hEnergyOfClusterL0
Entries 5699
Mean 7.559
RMS 2.208
Underflow 0
Overflow 30
χ² / ndf 77.52 / 43
Constant 8.59 ± 0.06
Slope -0.4441 ± 0.0076
E [GeV]

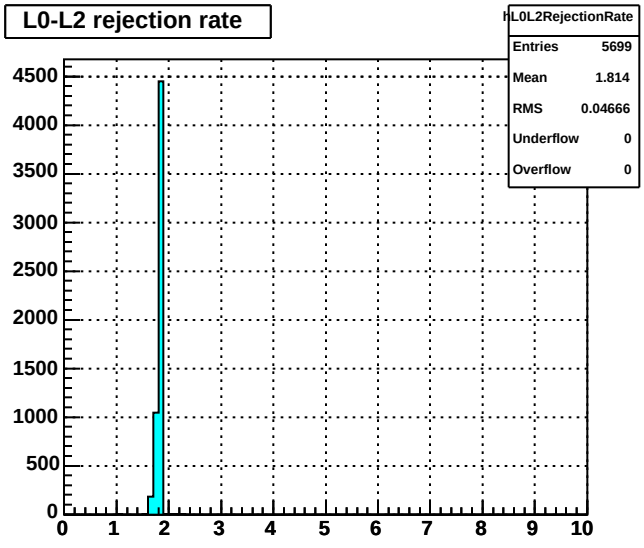

Energy of L2 cluster
hEnergyOfClusterL2
Entries 5699
Mean 3.595
RMS 0.6215
Underflow 0
Overflow 0
χ² / ndf 41.46 / 23
Constant 12.79 ± 0.08
Slope -1.736 ± 0.022
E [GeV]

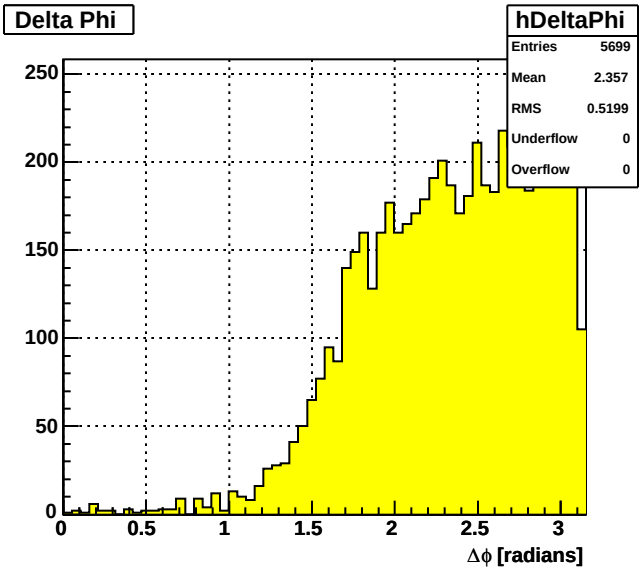

Invariant mass
hInvMass
Entries 5699
Mean 9.013
RMS 1.63
Underflow 0
Overflow 5
m_{ee} [GeV/c^2]

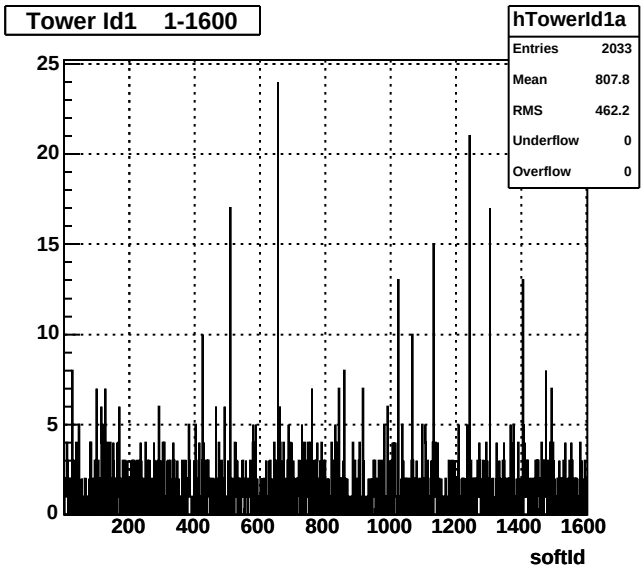

Opening angle
hCosTheta
Entries 5699
Mean -0.5434
RMS 0.2856
Underflow 0
Overflow 0
cos θ

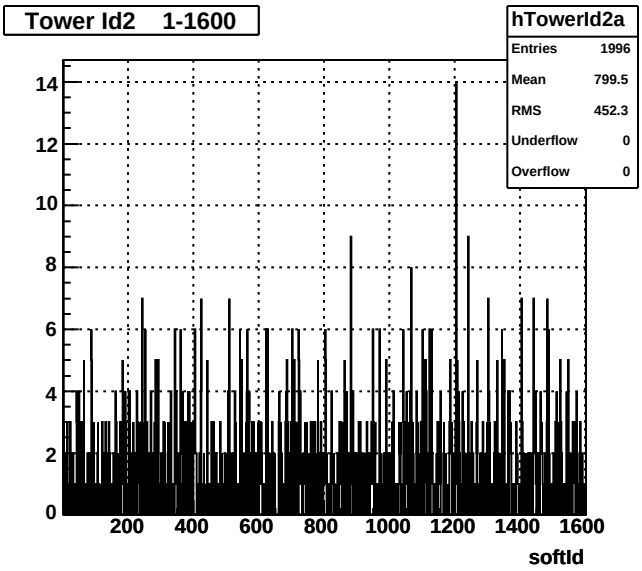

Number of hot towers
number of hot towers
events seen

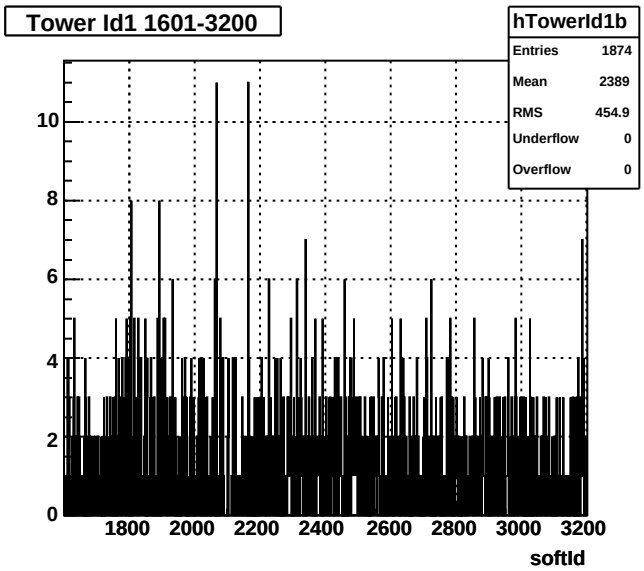

L2 processing time
hTime
Entries 5699
Mean 280.9
RMS 54.15
Underflow 0
Overflow 332
time [μs]

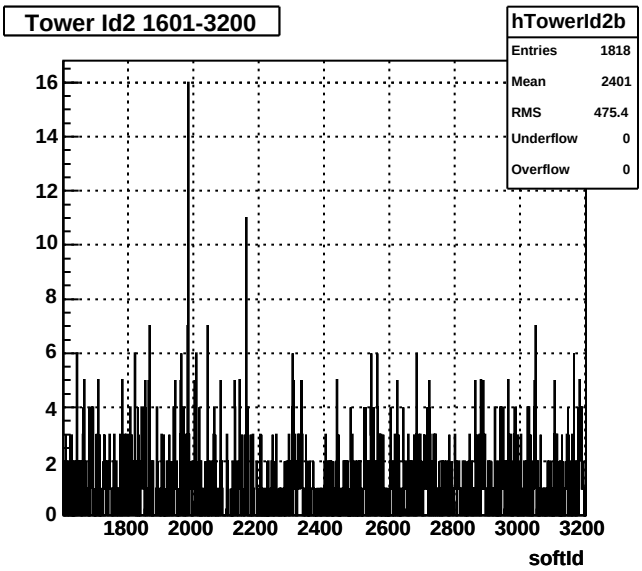

L0-L2 rejection rate
hL0L2RejectionRate
Entries 5699
Mean 1.814
RMS 0.04666
Underflow 0
Overflow 0

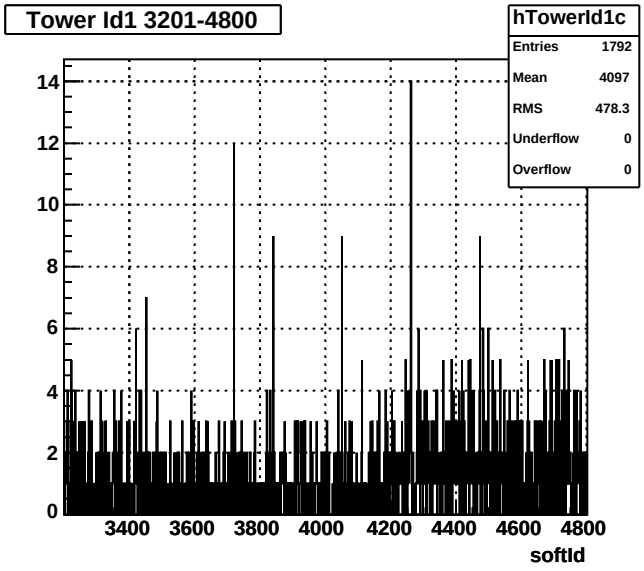

Delta Phi
hDeltaPhi
Entries 5699
Mean 2.357
RMS 0.5199
Underflow 0
Overflow 0
Δφ [radians]

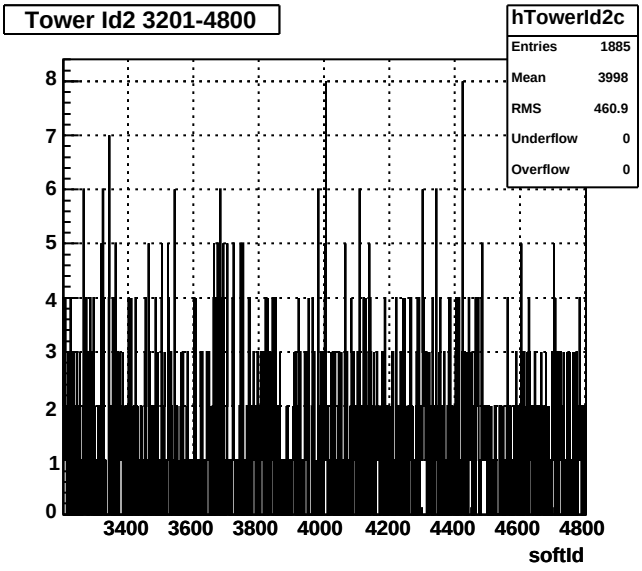

Tower Id1 1-1600
hTowerId1a
Entries 2033
Mean 807.8
RMS 462.2
Underflow 0
Overflow 0
softId

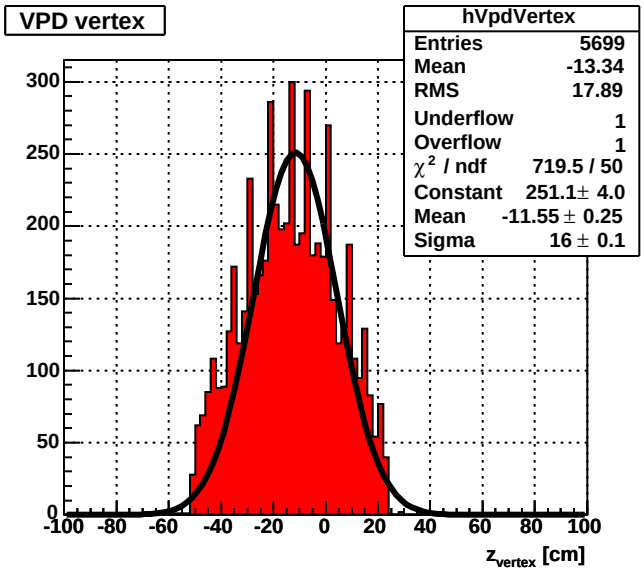

Tower Id2 1-1600
hTowerId2a
Entries 1996
Mean 799.5
RMS 452.3
Underflow 0
Overflow 0
softId

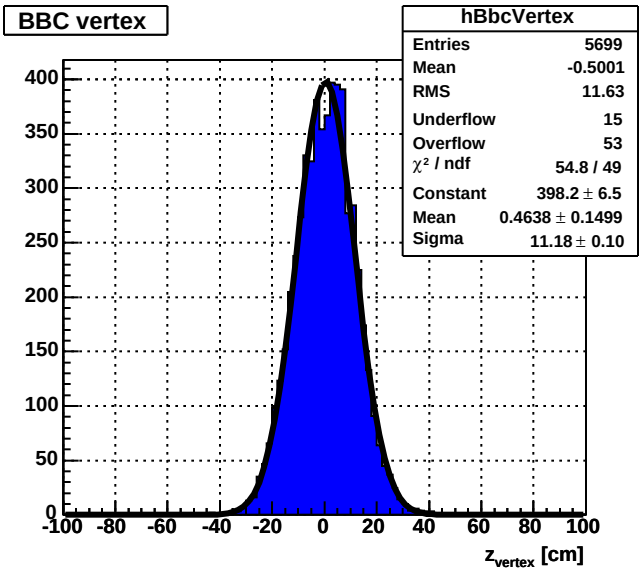

Tower Id1 1601-3200
hTowerId1b
Entries 1874
Mean 2389
RMS 454.9
Underflow 0
Overflow 0
softId

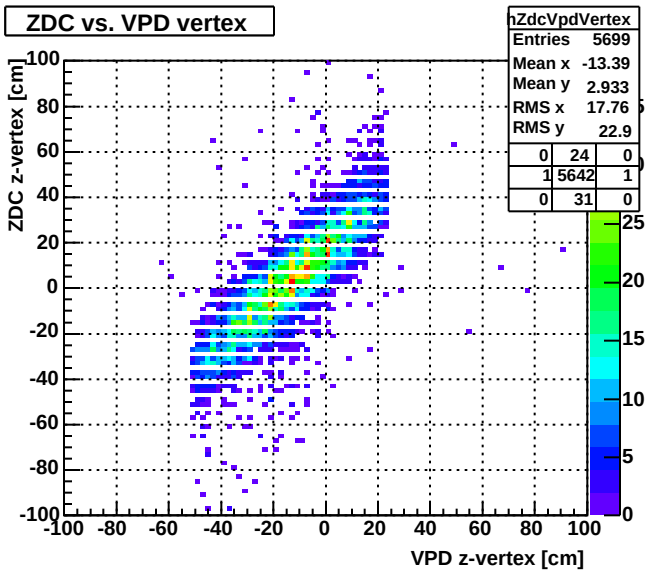

Tower Id2 1601-3200
hTowerId2b
Entries 1818
Mean 2401
RMS 475.4
Underflow 0
Overflow 0
softId

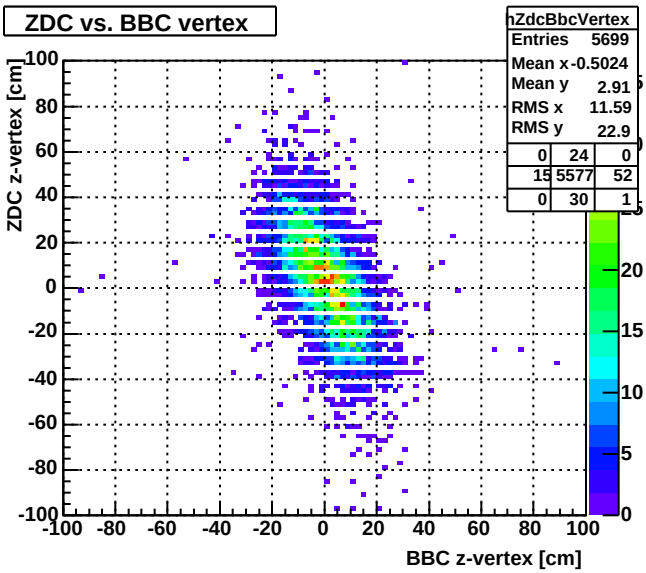

Tower Id1 3201-4800
hTowerId1c
Entries 1792
Mean 4097
RMS 478.3
Underflow 0
Overflow 0
softId

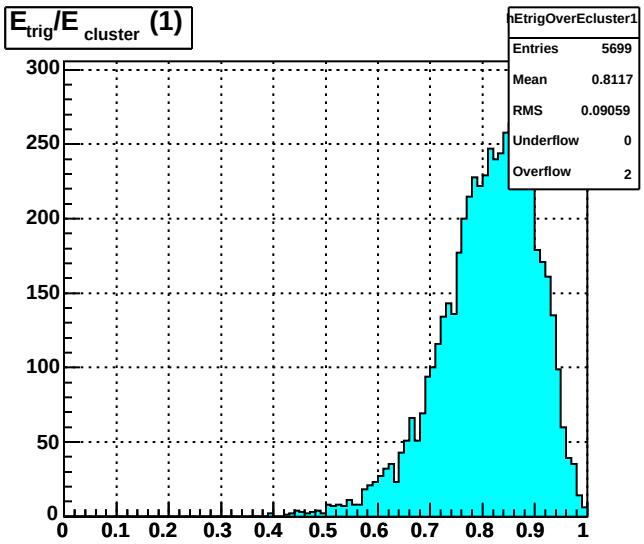

Tower Id2 3201-4800
hTowerId2c
Entries 1885
Mean 3998
RMS 460.9
Underflow 0
Overflow 0
softId

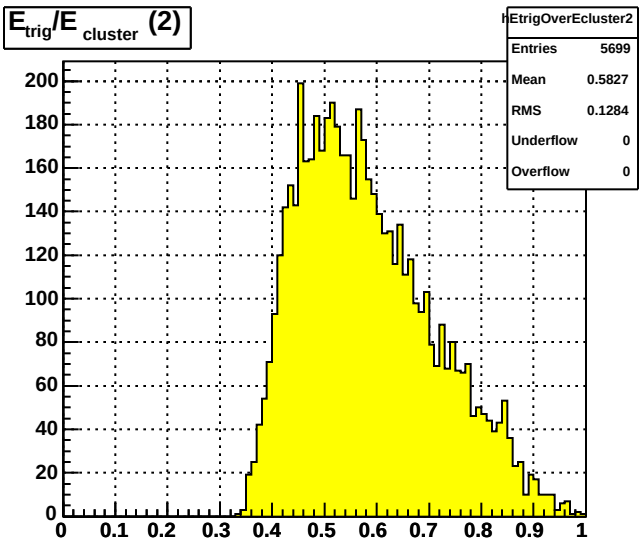

VPD vertex
hVpdVertex
Entries 5699
Mean -13.34
RMS 17.89
Underflow 1
Overflow 1
χ² / ndf 719.5 / 50
Constant 251.1 ± 4.0
Mean -11.55 ± 0.25
Sigma 16 ± 0.1
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 5699
Mean -0.5001
RMS 11.63
Underflow 15
Overflow 53
χ² / ndf 54.8 / 49
Constant 398.2 ± 6.5
Mean 0.4638 ± 0.1499
Sigma 11.18 ± 0.10
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 5699
Mean x -13.39
Mean y 2.933
RMS x 17.76
RMS y 22.9
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 5699
Mean x -0.5024
Mean y 2.91
RMS x 11.59
RMS y 22.9
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 5699
Mean 0.8117
RMS 0.09059
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 5699
Mean 0.5827
RMS 0.1284
Underflow 0
Overflow 0