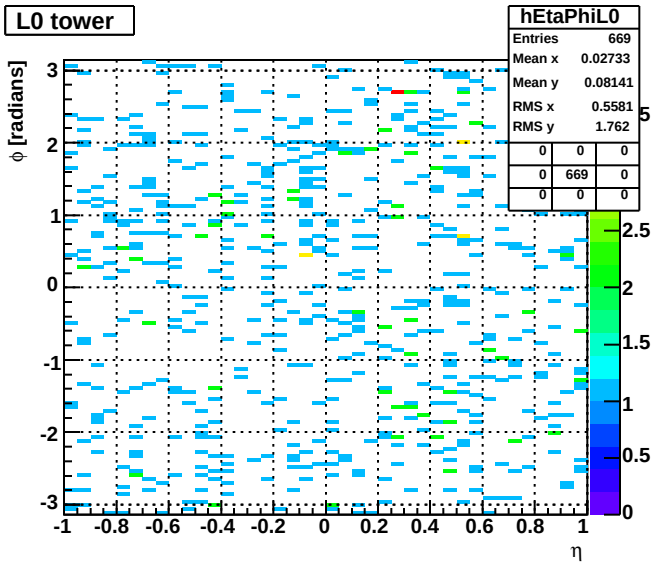
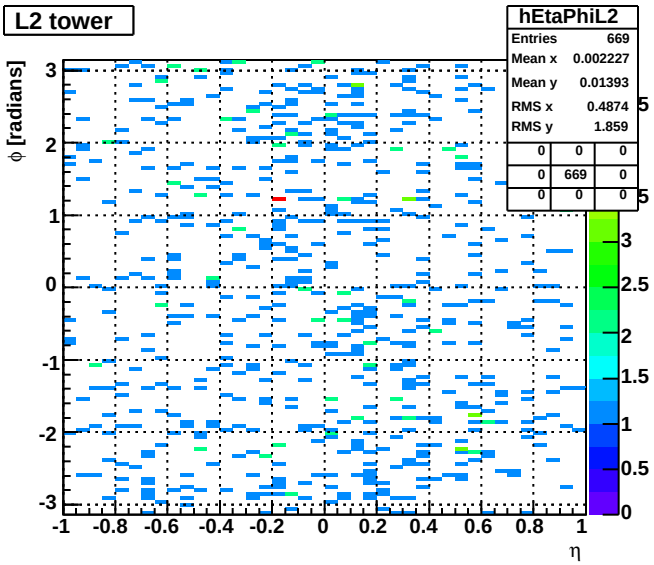
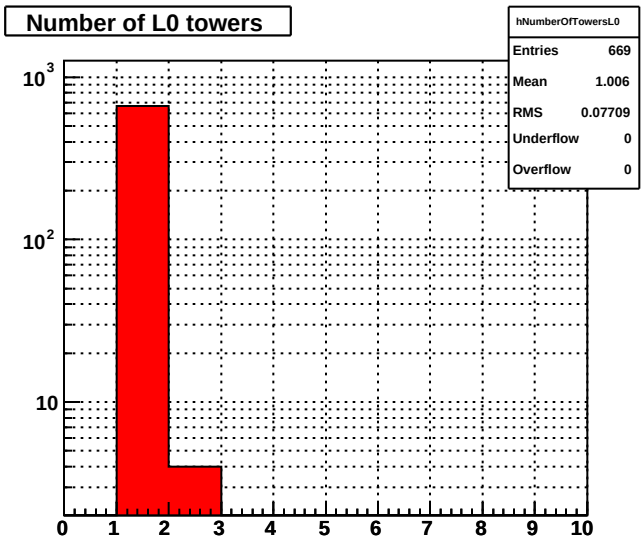
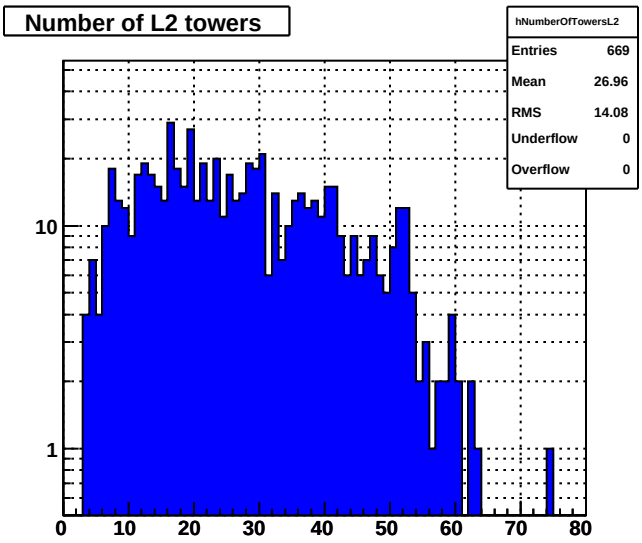
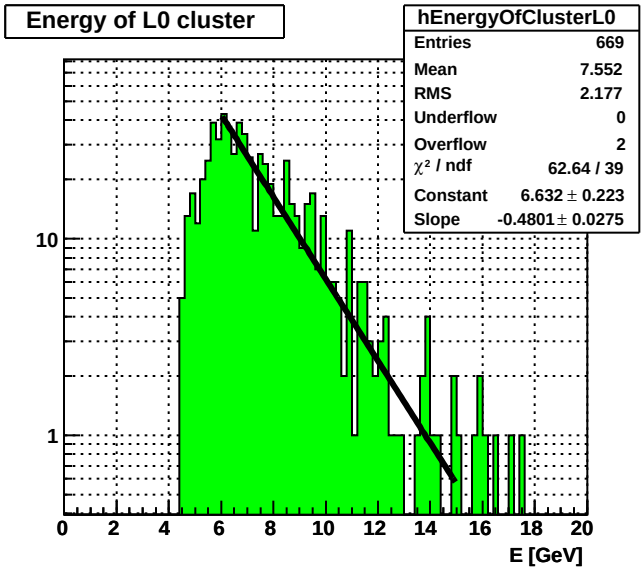
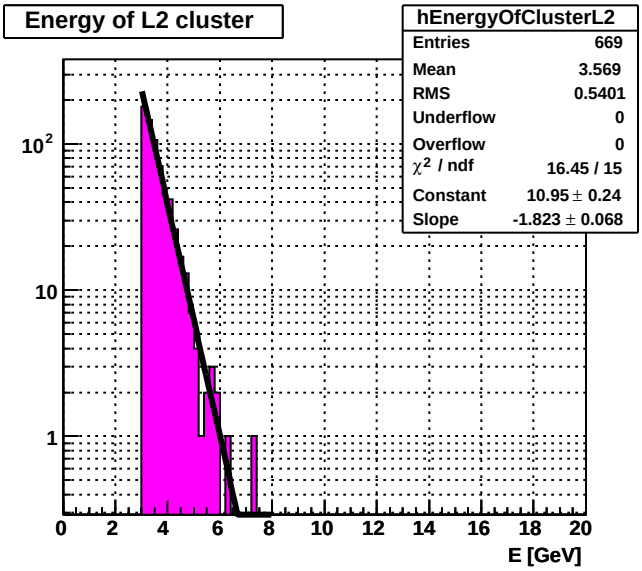

L0 tower
hEtaPhiL0
Entries 669
Mean x 0.02733
Mean y 0.08141
RMS x 0.5581
RMS y 1.762
φ [radians]
η

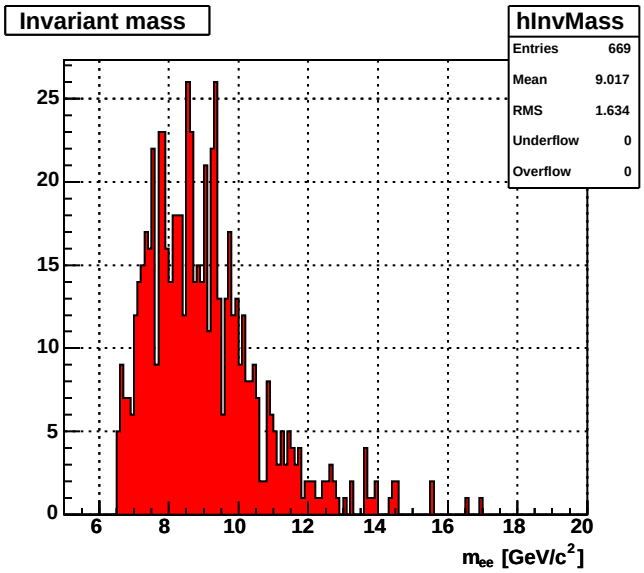

L2 tower
hEtaPhiL2
Entries 669
Mean x 0.002227
Mean y 0.01393
RMS x 0.4874
RMS y 1.859
φ [radians]
η

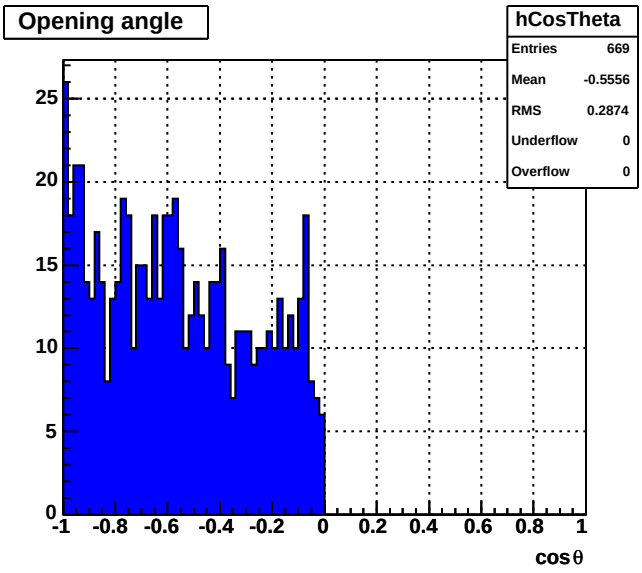

Number of L0 towers
hNumberOfTowersL0
Entries 669
Mean 1.006
RMS 0.07709
Underflow 0
Overflow 0

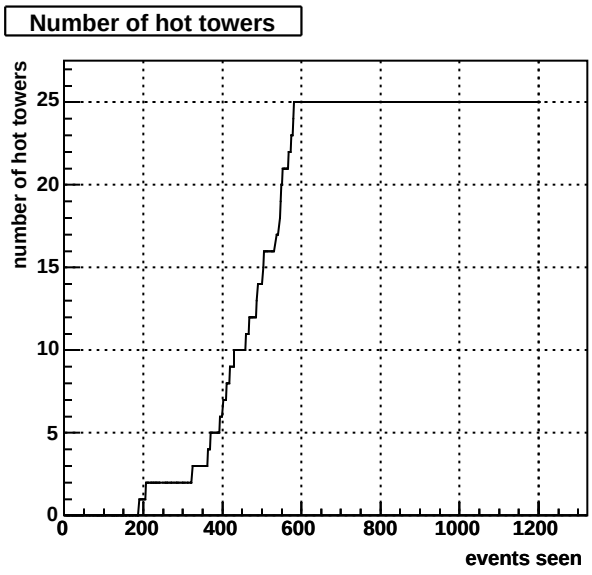

Number of L2 towers
hNumberOfTowersL2
Entries 669
Mean 26.96
RMS 14.08
Underflow 0
Overflow 0

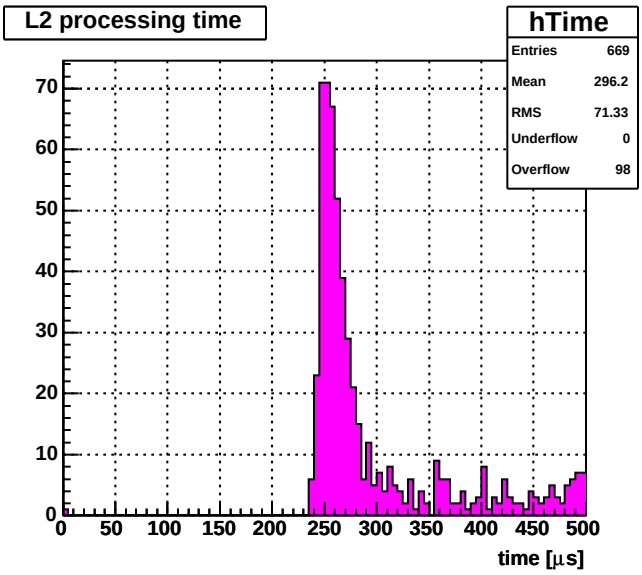

Energy of L0 cluster
hEnergyOfClusterL0
Entries 669
Mean 7.552
RMS 2.177
Underflow 0
Overflow 2
χ² / ndf 62.64 / 39
Constant 6.632 ± 0.223
Slope -0.4801 ± 0.0275
E [GeV]

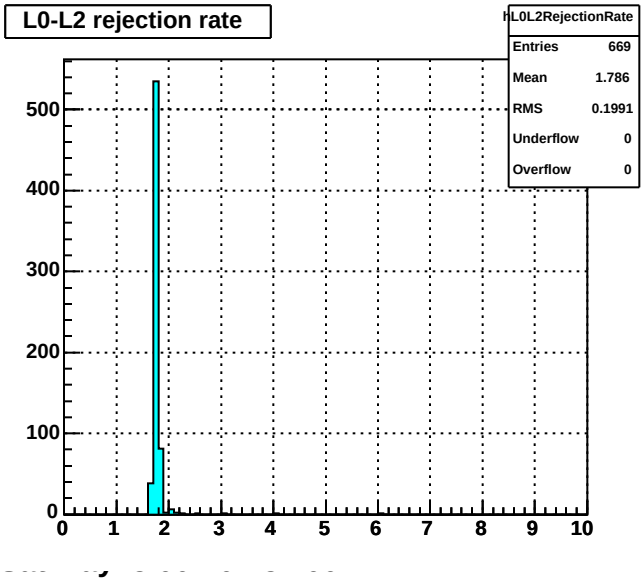

Energy of L2 cluster
hEnergyOfClusterL2
Entries 669
Mean 3.569
RMS 0.5401
Underflow 0
Overflow 0
χ² / ndf 16.45 / 15
Constant 10.95 ± 0.24
Slope -1.823 ± 0.068
E [GeV]

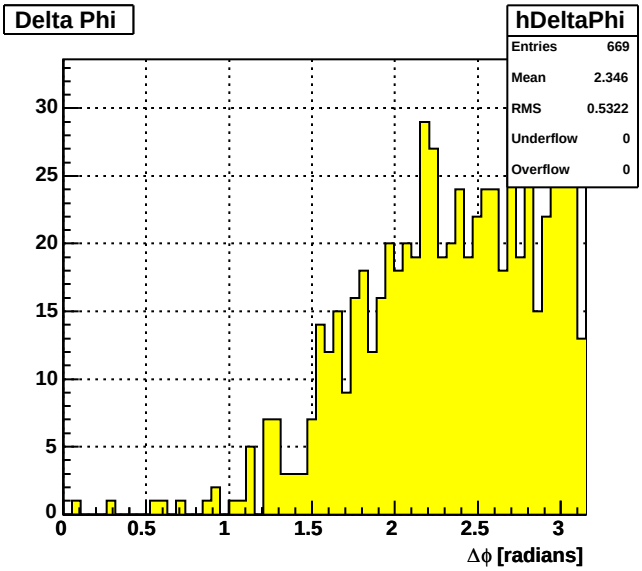

Invariant mass
hInvMass
Entries 669
Mean 9.017
RMS 1.634
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

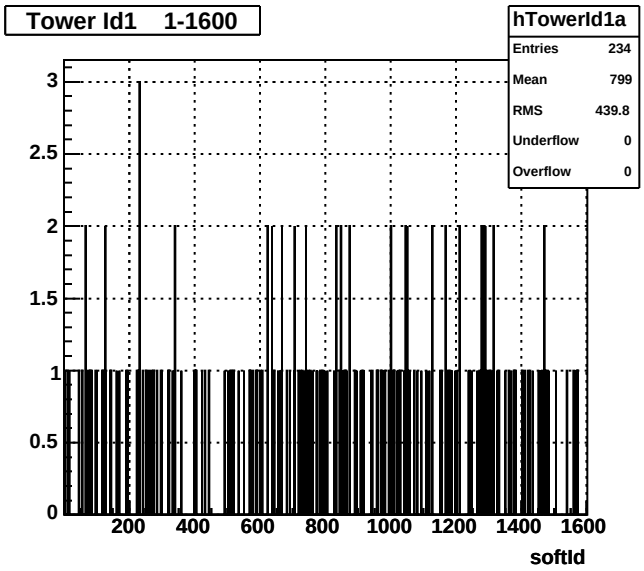

Opening angle
hCosTheta
Entries 669
Mean -0.5556
RMS 0.2874
Underflow 0
Overflow 0
cos θ

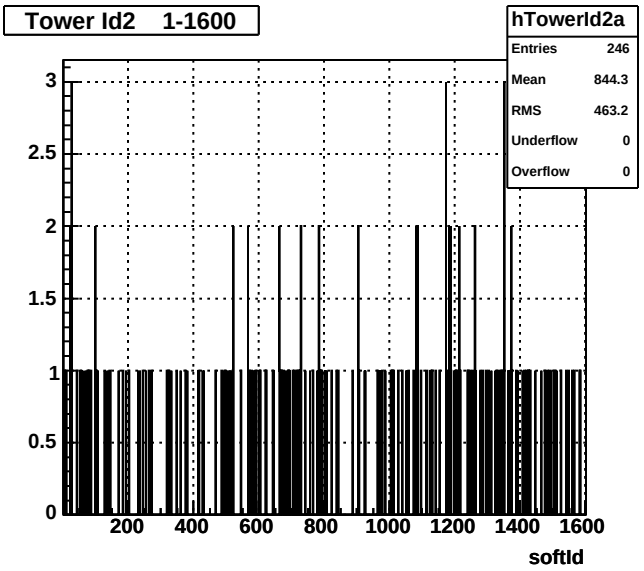

Number of hot towers
number of hot towers
events seen

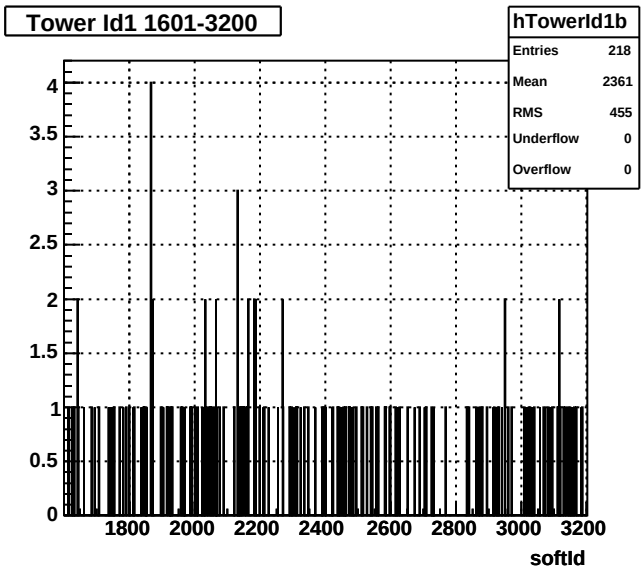

L2 processing time
hTime
Entries 669
Mean 296.2
RMS 71.33
Underflow 0
Overflow 98
time [μs]

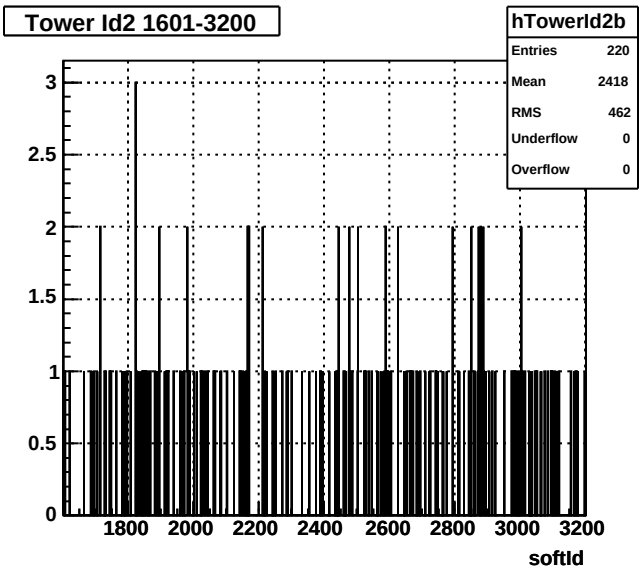

L0-L2 rejection rate
hL0L2RejectionRate
Entries 669
Mean 1.786
RMS 0.1991
Underflow 0
Overflow 0

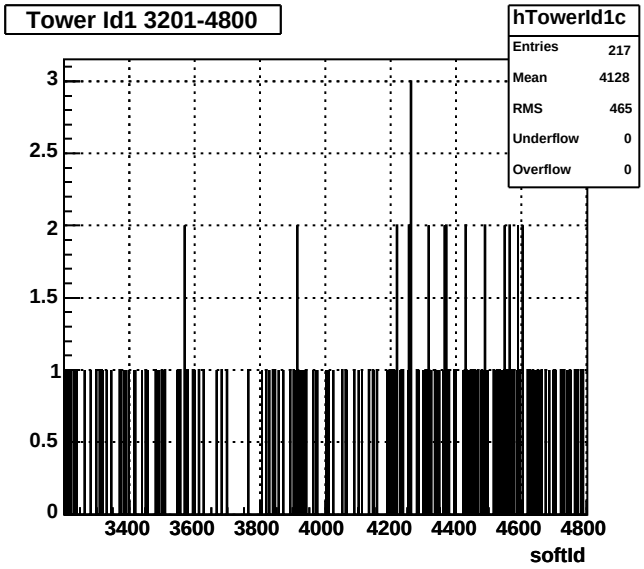

Delta Phi
hDeltaPhi
Entries 669
Mean 2.346
RMS 0.5322
Underflow 0
Overflow 0
Δφ [radians]

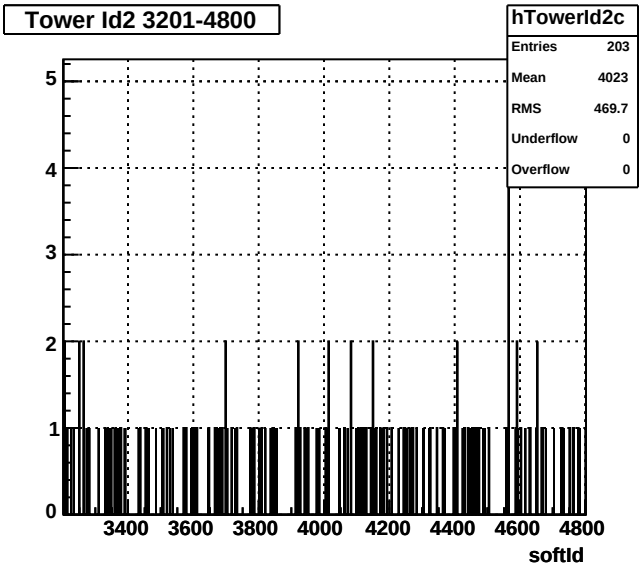

Tower Id1 1-1600
hTowerId1a
Entries 234
Mean 799
RMS 439.8
Underflow 0
Overflow 0
softId

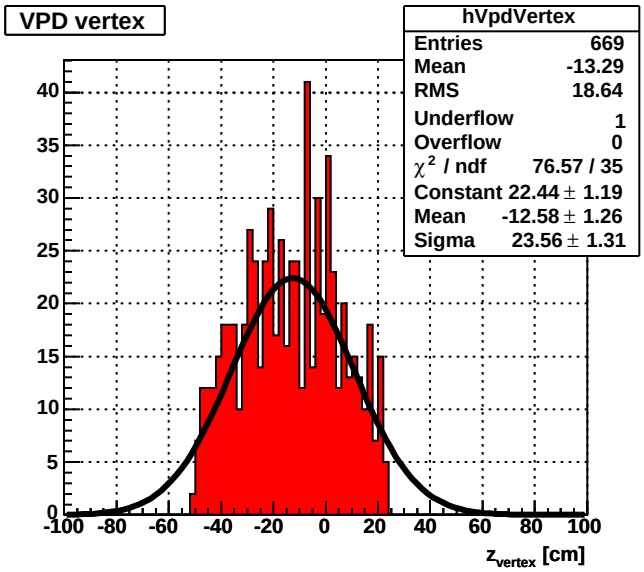

Tower Id2 1-1600
hTowerId2a
Entries 246
Mean 844.3
RMS 463.2
Underflow 0
Overflow 0
softId

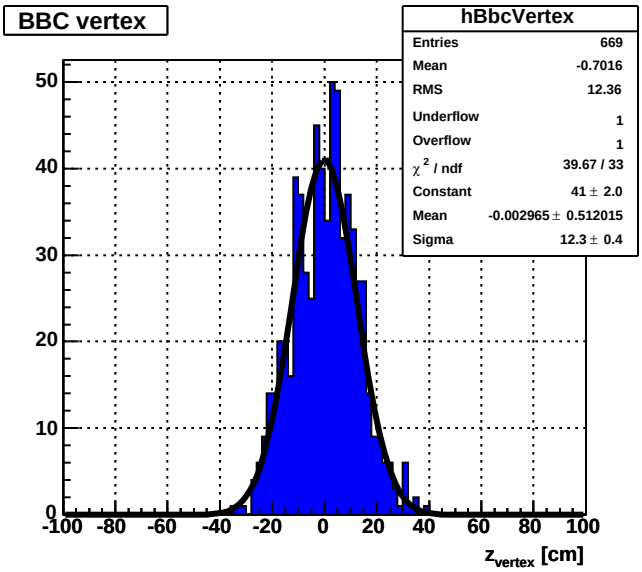

Tower Id1 1601-3200
hTowerId1b
Entries 218
Mean 2361
RMS 455
Underflow 0
Overflow 0
softId

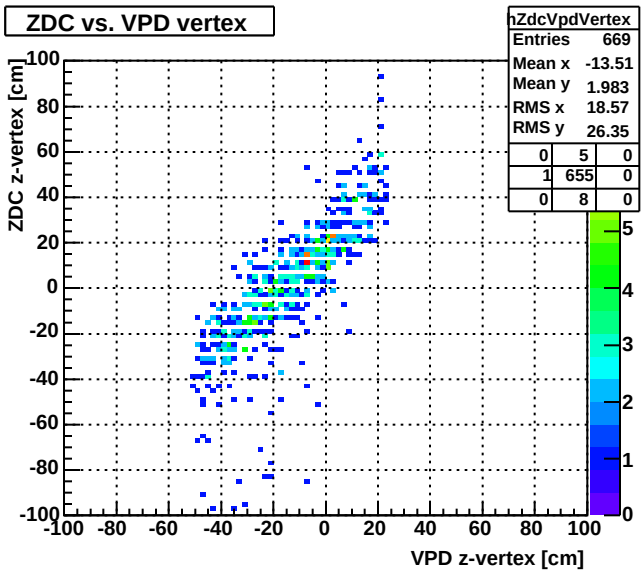

Tower Id2 1601-3200
hTowerId2b
Entries 220
Mean 2418
RMS 462
Underflow 0
Overflow 0
softId

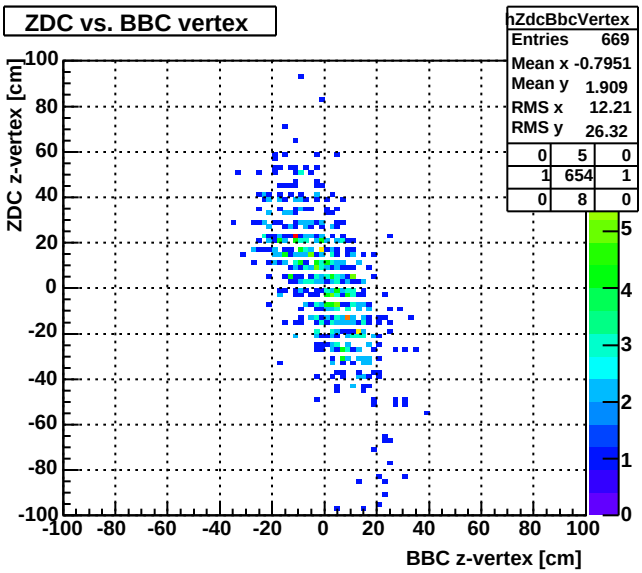

Tower Id1 3201-4800
hTowerId1c
Entries 217
Mean 4128
RMS 465
Underflow 0
Overflow 0
softId

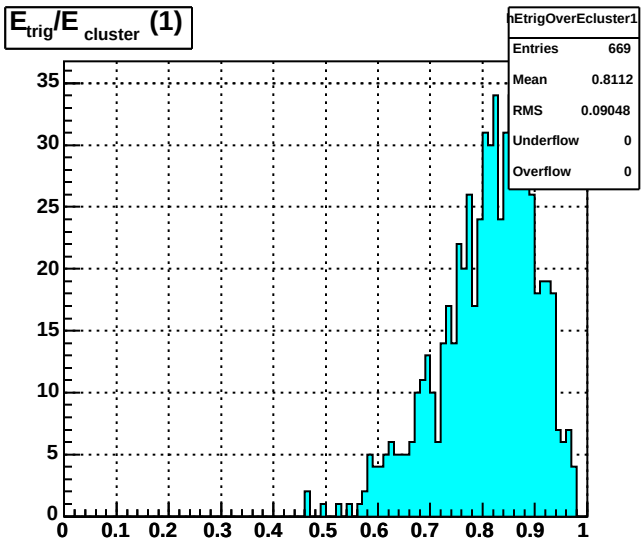

Tower Id2 3201-4800
hTowerId2c
Entries 203
Mean 4023
RMS 469.7
Underflow 0
Overflow 0
softId

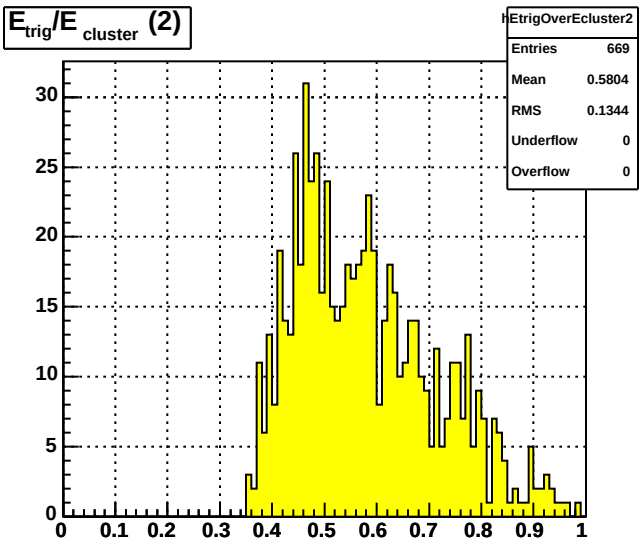

VPD vertex
hVpdVertex
Entries 669
Mean -13.29
RMS 18.64
Underflow 1
Overflow 0
χ² / ndf 76.57 / 35
Constant 22.44 ± 1.19
Mean -12.58 ± 1.26
Sigma 23.56 ± 1.31
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 669
Mean -0.7016
RMS 12.36
Underflow 1
Overflow 1
χ² / ndf 39.67 / 33
Constant 41 ± 2.0
Mean -0.002965 ± 0.512015
Sigma 12.3 ± 0.4
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 669
Mean x -13.51
Mean y 1.983
RMS x 18.57
RMS y 26.35
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 669
Mean x -0.7951
Mean y 1.909
RMS x 12.21
RMS y 26.32
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 669
Mean 0.8112
RMS 0.09048
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 669
Mean 0.5804
RMS 0.1344
Underflow 0
Overflow 0