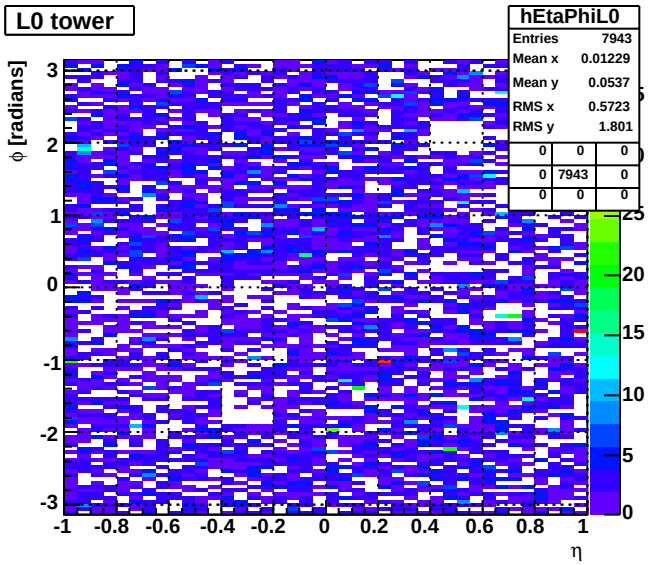
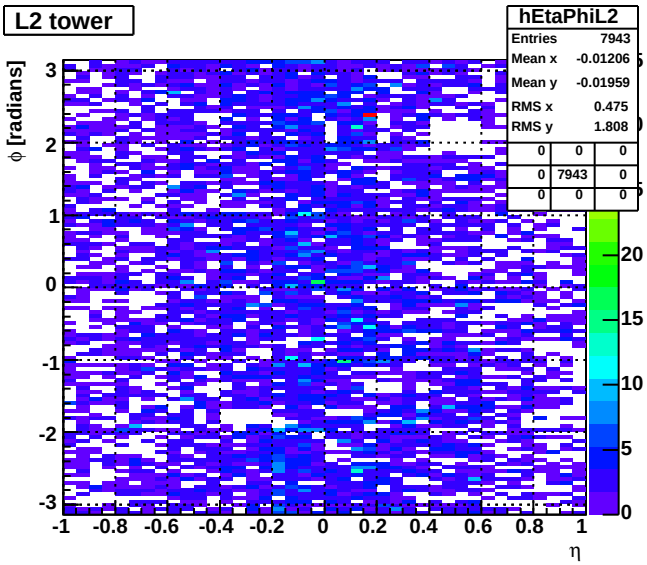
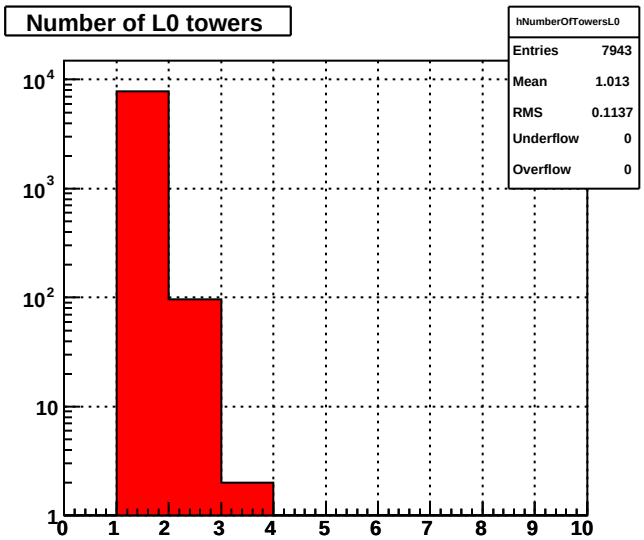
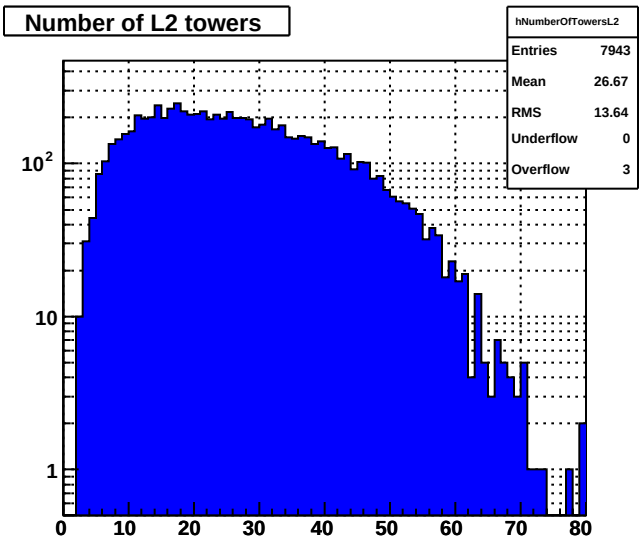
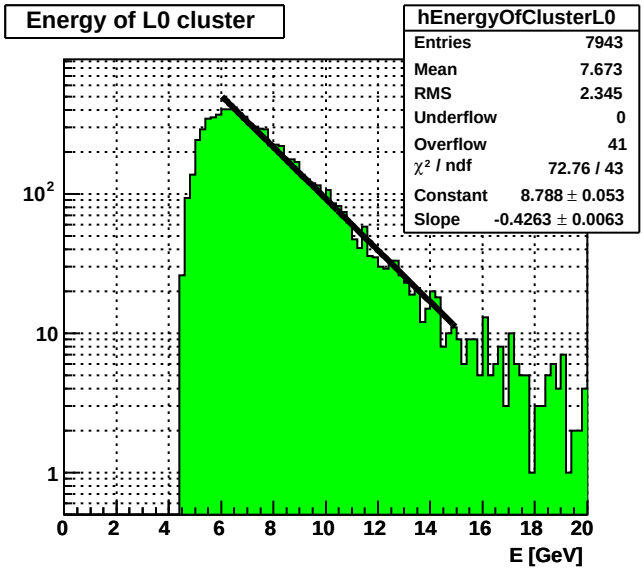
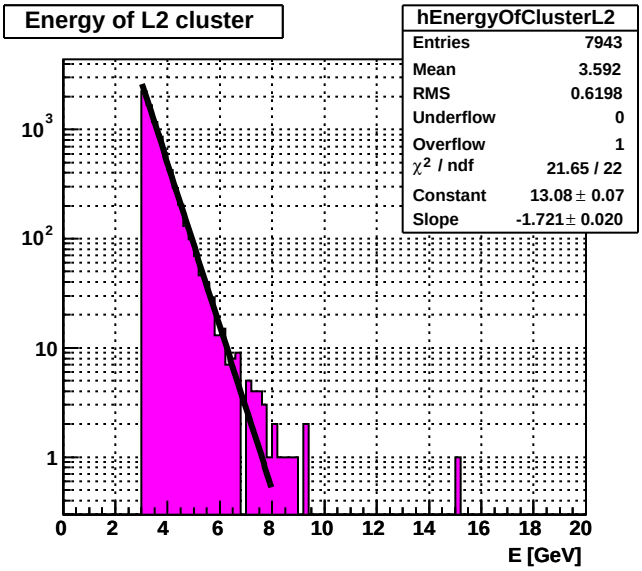

L0 tower
hEtaPhiL0
Entries 7943
Mean x 0.01229
Mean y 0.0537
RMS x 0.5723
RMS y 1.801
φ [radians]
η

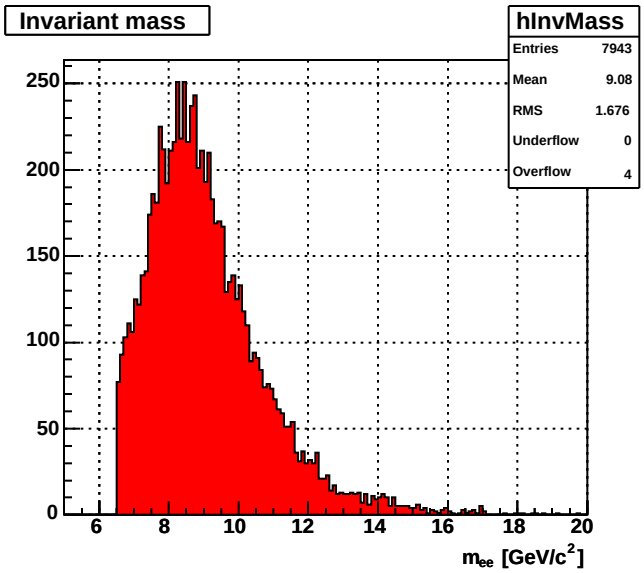

L2 tower
hEtaPhiL2
Entries 7943
Mean x -0.01206
Mean y -0.01959
RMS x 0.475
RMS y 1.808
φ [radians]
η

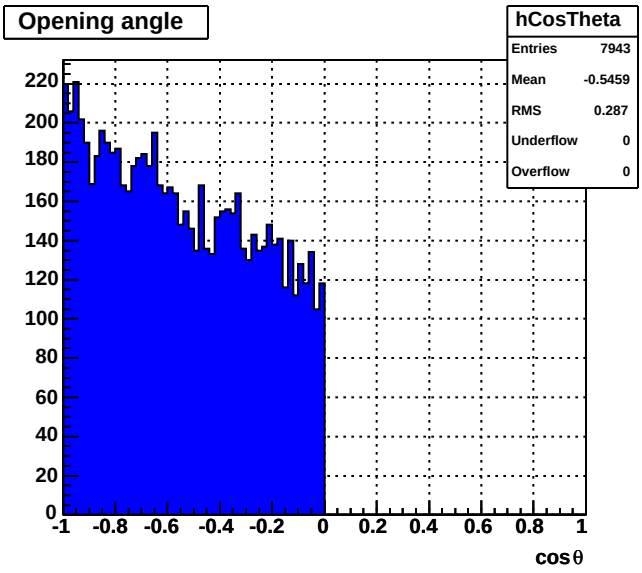

Number of L0 towers
hNumberOfTowersL0
Entries 7943
Mean 1.013
RMS 0.1137
Underflow 0
Overflow 0

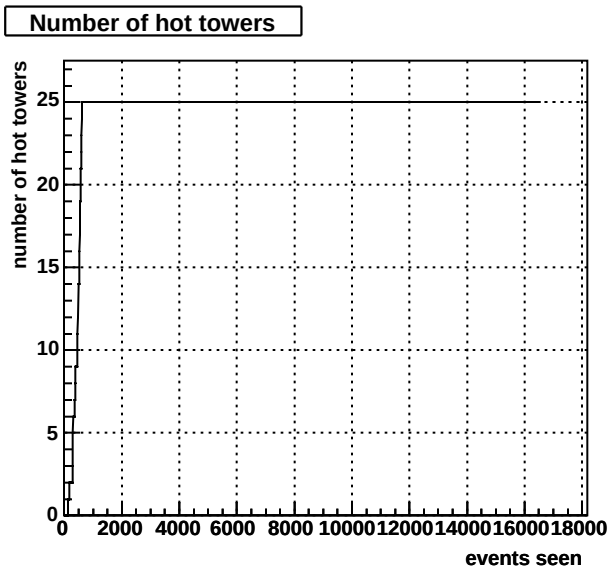

Number of L2 towers
hNumberOfTowersL2
Entries 7943
Mean 26.67
RMS 13.64
Underflow 0
Overflow 3

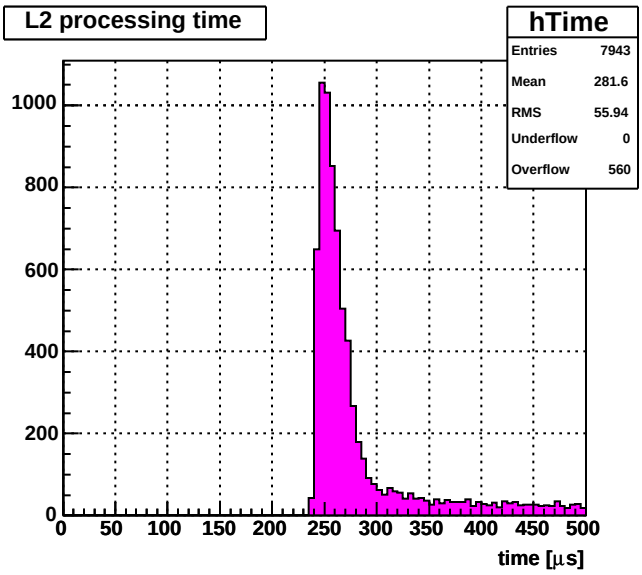

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7943
Mean 7.673
RMS 2.345
Underflow 0
Overflow 41
χ² / ndf 72.76 / 43
Constant 8.788 ± 0.053
Slope -0.4263 ± 0.0063
E [GeV]

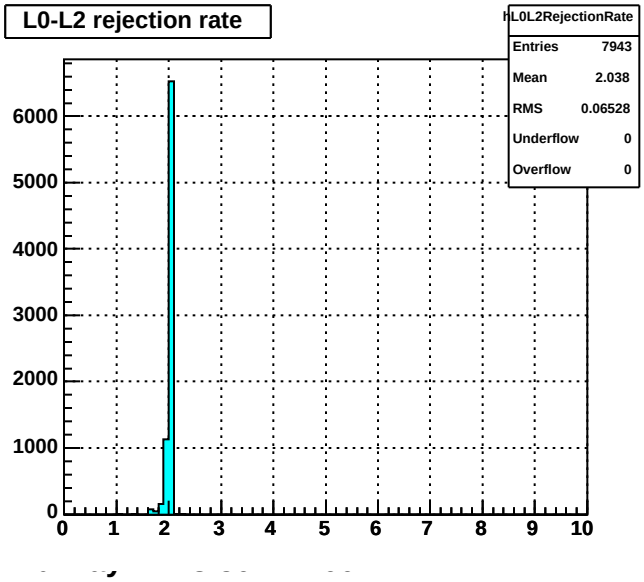

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7943
Mean 3.592
RMS 0.6198
Underflow 0
Overflow 1
χ² / ndf 21.65 / 22
Constant 13.08 ± 0.07
Slope -1.721 ± 0.020
E [GeV]

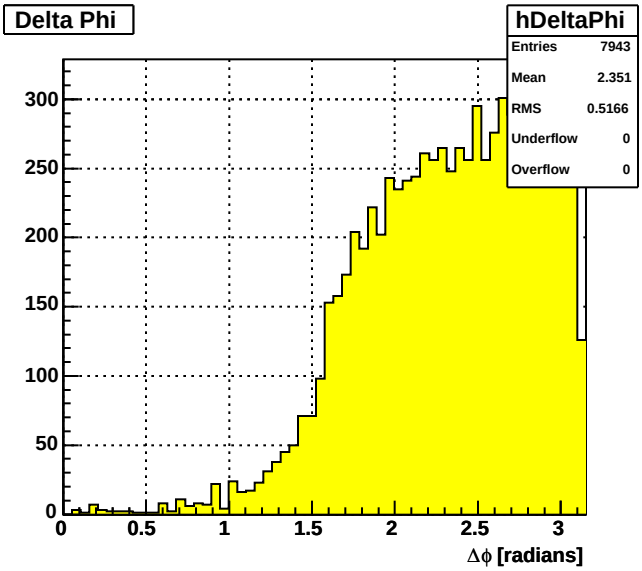

Invariant mass
hInvMass
Entries 7943
Mean 9.08
RMS 1.676
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

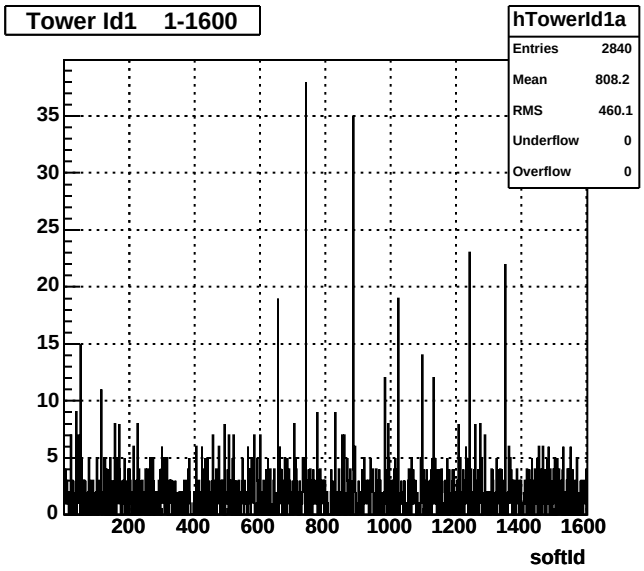

Opening angle
hCosTheta
Entries 7943
Mean -0.5459
RMS 0.287
Underflow 0
Overflow 0
cos θ

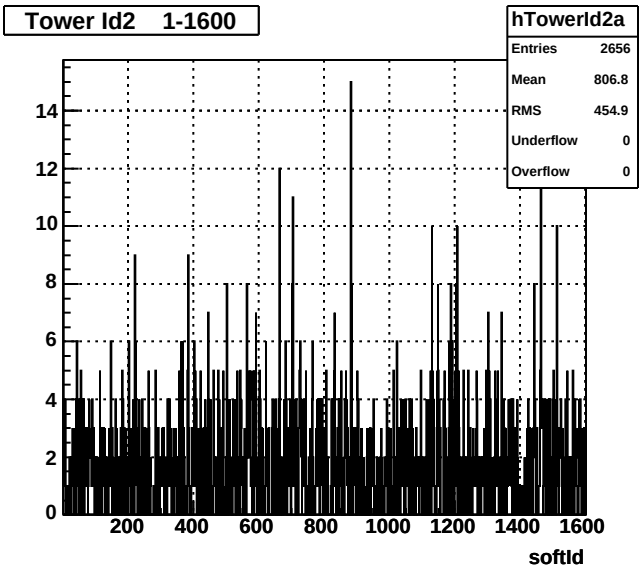

Number of hot towers
number of hot towers
events seen

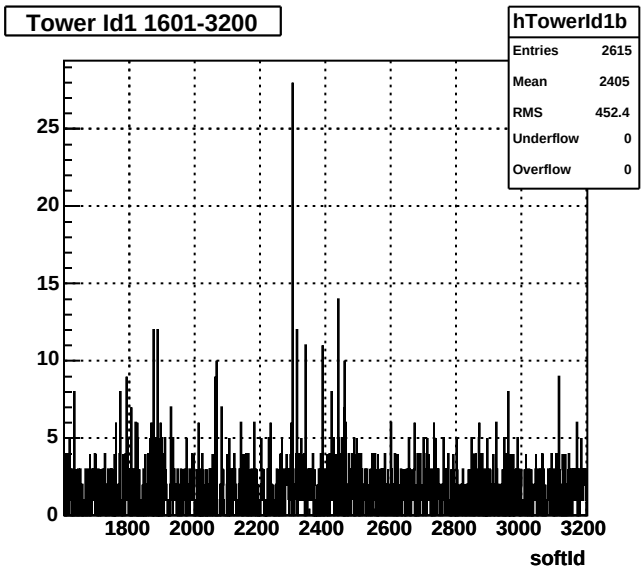

L2 processing time
hTime
Entries 7943
Mean 281.6
RMS 55.94
Underflow 0
Overflow 560
time [μs]

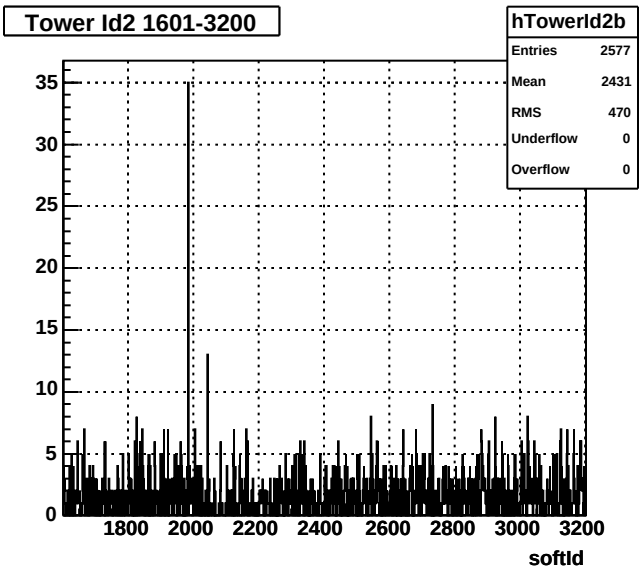

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7943
Mean 2.038
RMS 0.06528
Underflow 0
Overflow 0

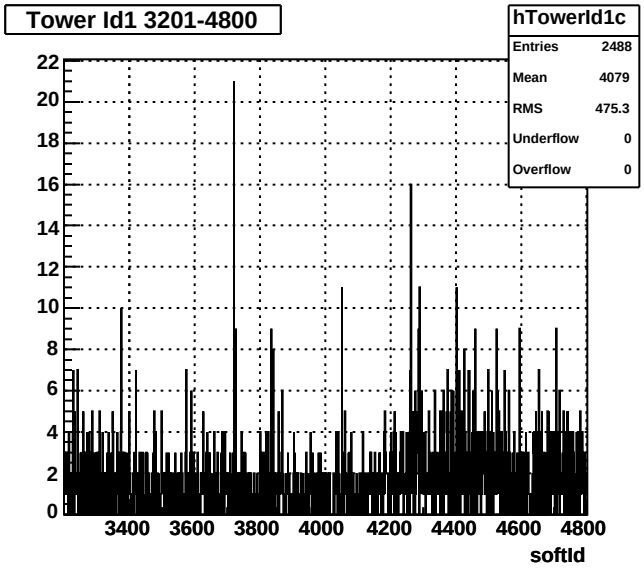

Delta Phi
hDeltaPhi
Entries 7943
Mean 2.351
RMS 0.5166
Underflow 0
Overflow 0
Δφ [radians]

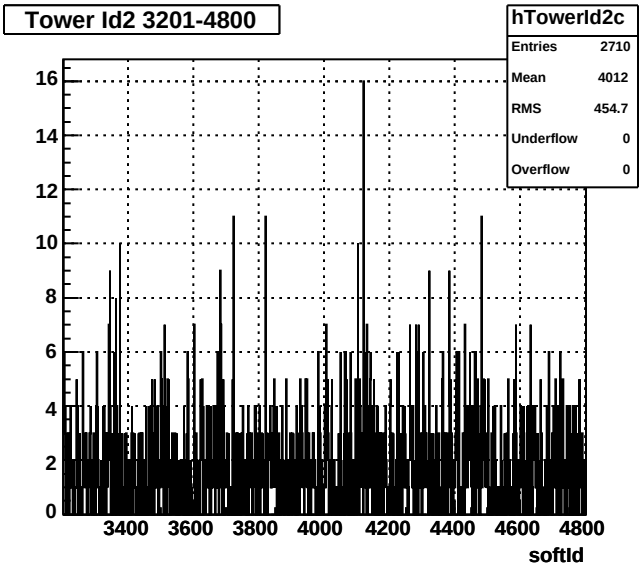

Tower Id1 1-1600
hTowerId1a
Entries 2840
Mean 808.2
RMS 460.1
Underflow 0
Overflow 0
softId

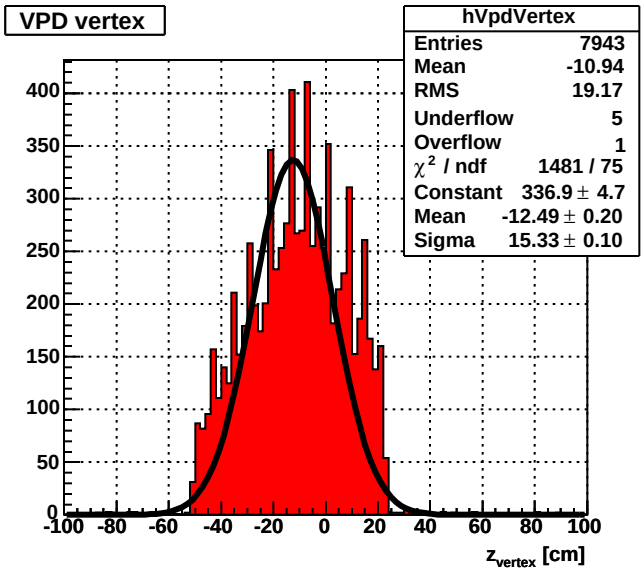

Tower Id2 1-1600
hTowerId2a
Entries 2656
Mean 806.8
RMS 454.9
Underflow 0
Overflow 0
softId

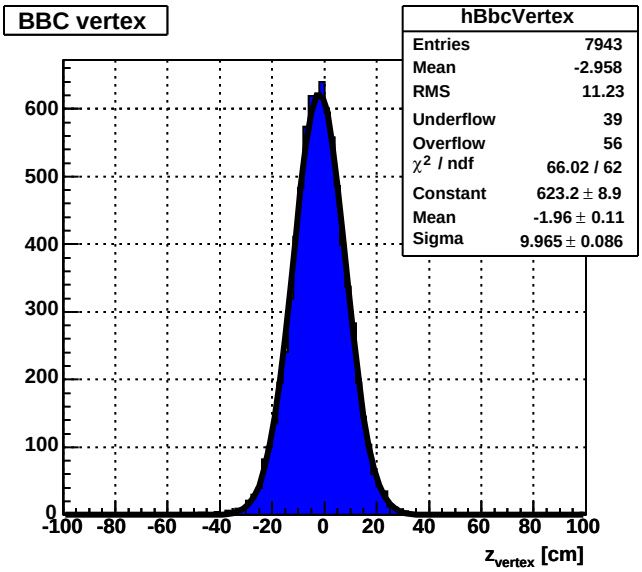

Tower Id1 1601-3200
hTowerId1b
Entries 2615
Mean 2405
RMS 452.4
Underflow 0
Overflow 0
softId

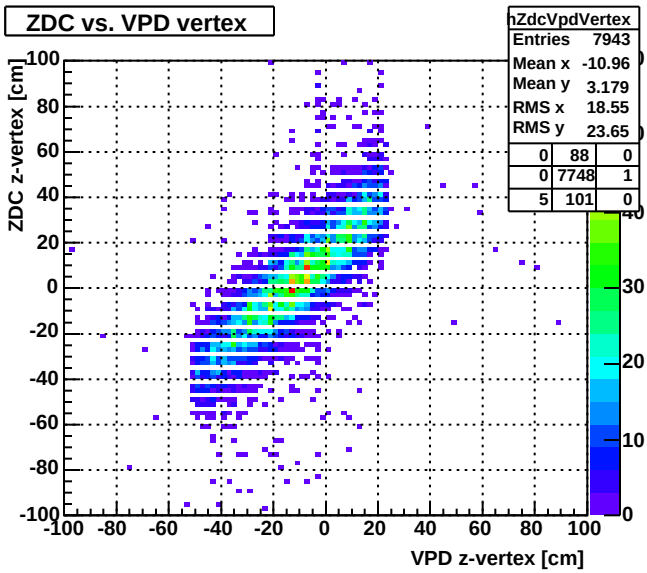

Tower Id2 1601-3200
hTowerId2b
Entries 2577
Mean 2431
RMS 470
Underflow 0
Overflow 0
softId

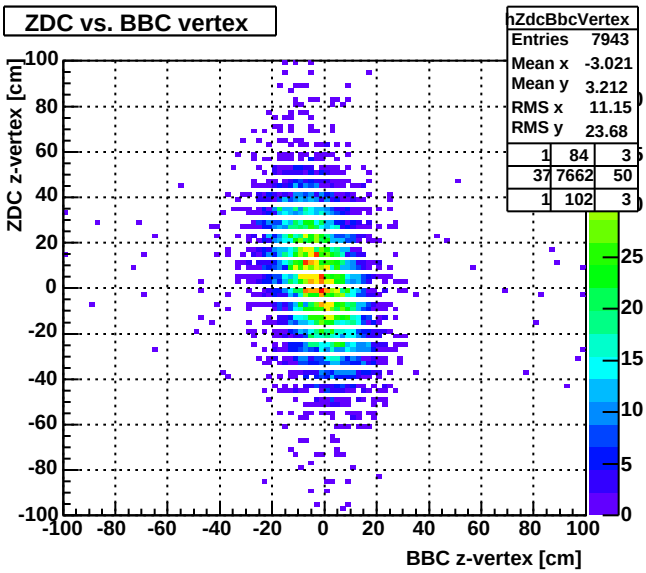

Tower Id1 3201-4800
hTowerId1c
Entries 2488
Mean 4079
RMS 475.3
Underflow 0
Overflow 0
softId

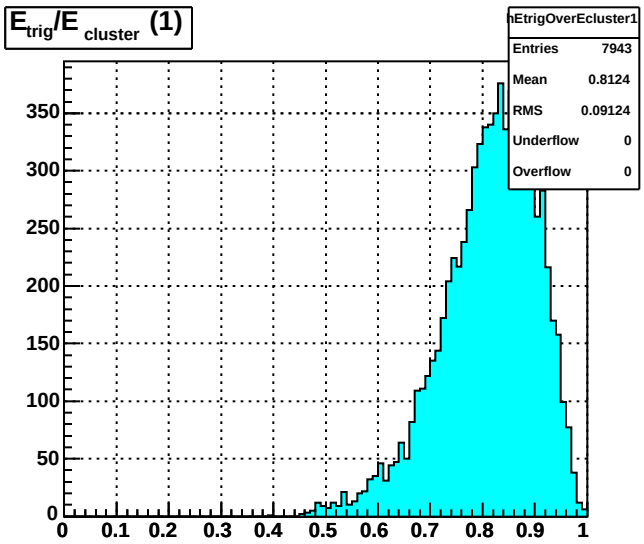

Tower Id2 3201-4800
hTowerId2c
Entries 2710
Mean 4012
RMS 454.7
Underflow 0
Overflow 0
softId

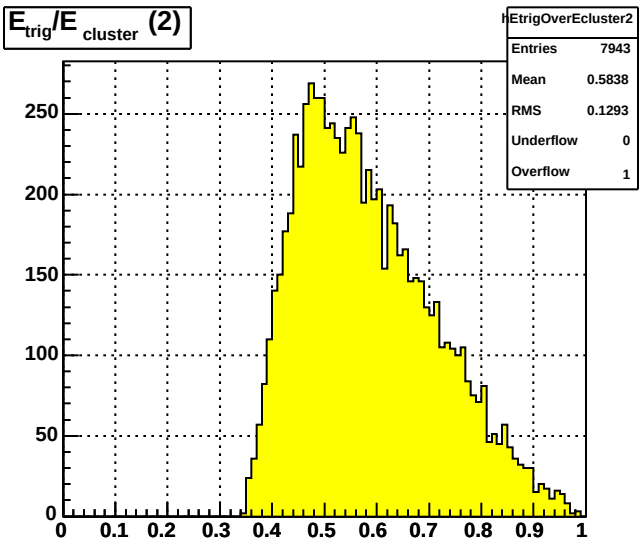

VPD vertex
hVpdVertex
Entries 7943
Mean -10.94
RMS 19.17
Underflow 5
Overflow 1
χ² / ndf 1481 / 75
Constant 336.9 ± 4.7
Mean -12.49 ± 0.20
Sigma 15.33 ± 0.10
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7943
Mean -2.958
RMS 11.23
Underflow 39
Overflow 56
χ² / ndf 66.02 / 62
Constant 623.2 ± 8.9
Mean -1.96 ± 0.11
Sigma 9.965 ± 0.086
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7943
Mean x -10.96
Mean y 3.179
RMS x 18.55
RMS y 23.65
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7943
Mean x -3.021
Mean y 3.212
RMS x 11.15
RMS y 23.68
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7943
Mean 0.8124
RMS 0.09124
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7943
Mean 0.5838
RMS 0.1293
Underflow 0
Overflow 1