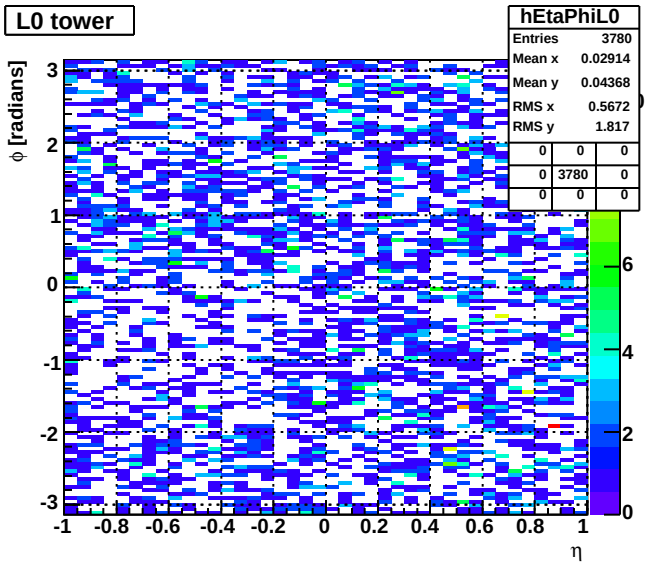
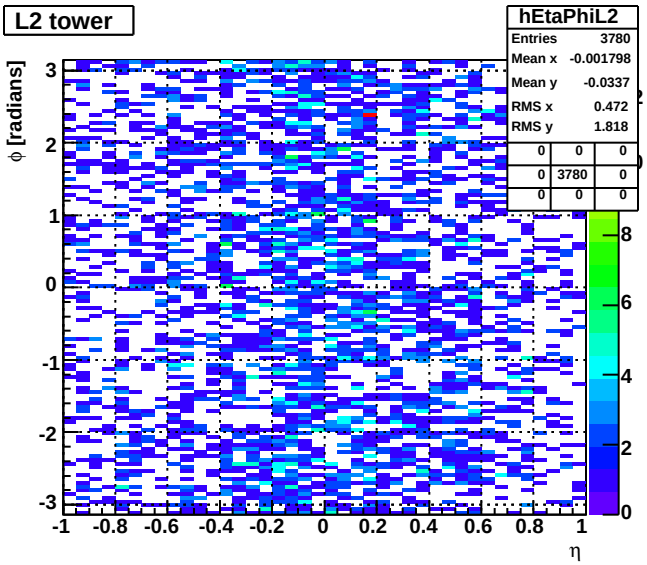
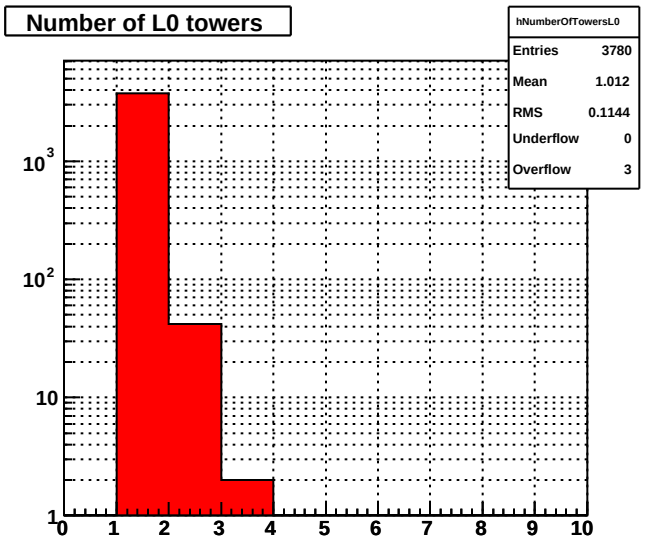
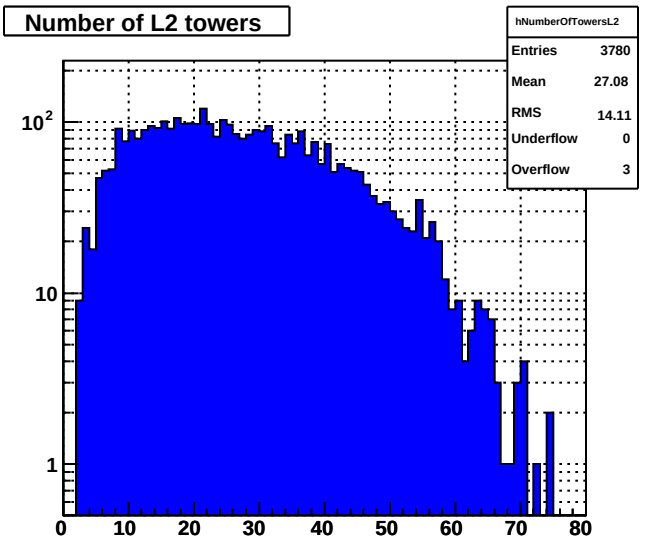
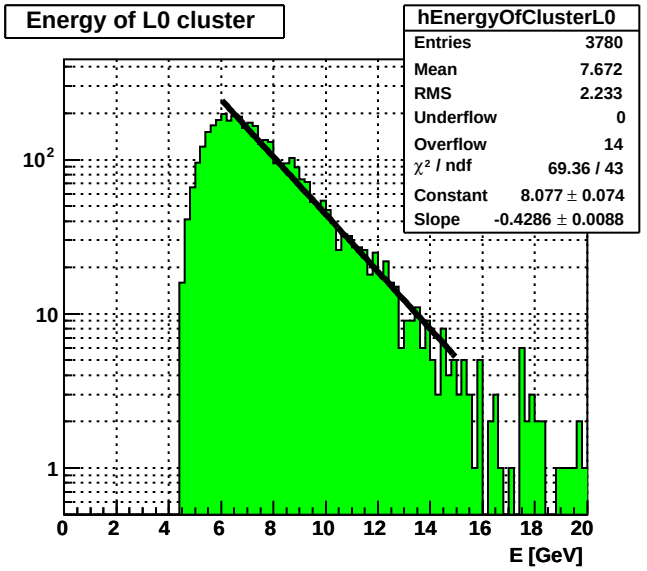
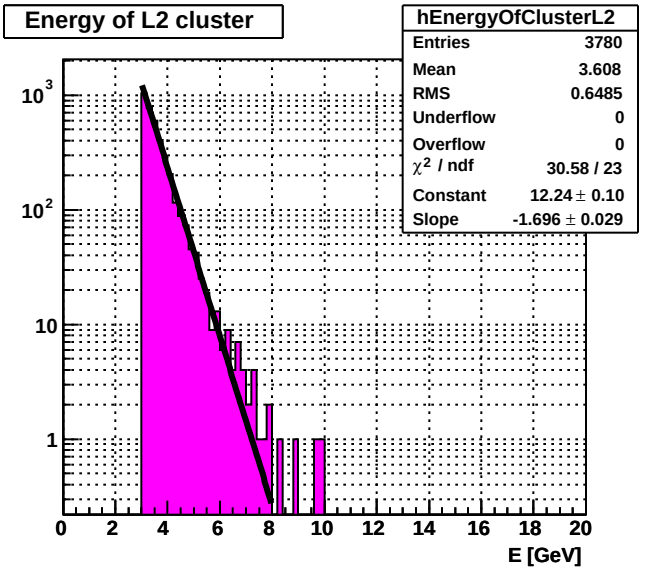

L0 tower
hEtaPhiL0
Entries 3780
Mean x 0.02914
Mean y 0.04368
RMS x 0.5672
RMS y 1.817
φ [radians]
η

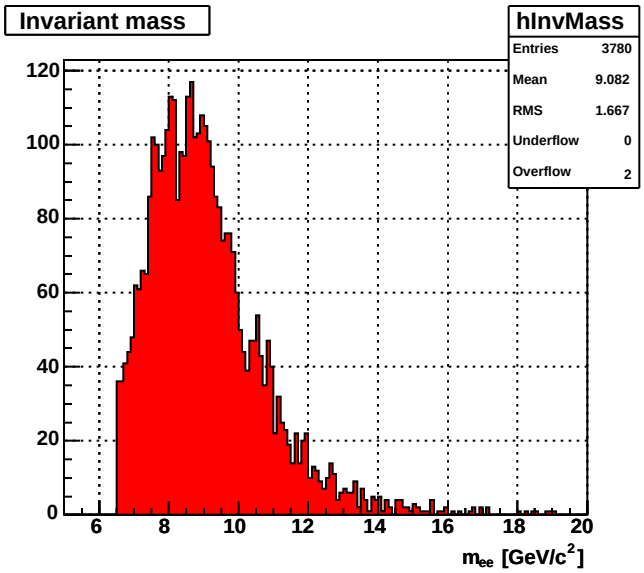

L2 tower
hEtaPhiL2
Entries 3780
Mean x -0.001798
Mean y -0.0337
RMS x 0.472
RMS y 1.818
φ [radians]
η

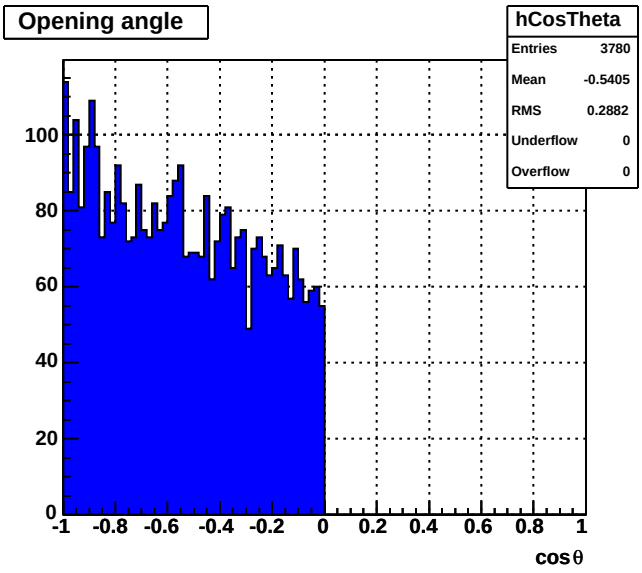

Number of L0 towers
hNumberOfTowersL0
Entries 3780
Mean 1.012
RMS 0.1144
Underflow 0
Overflow 3

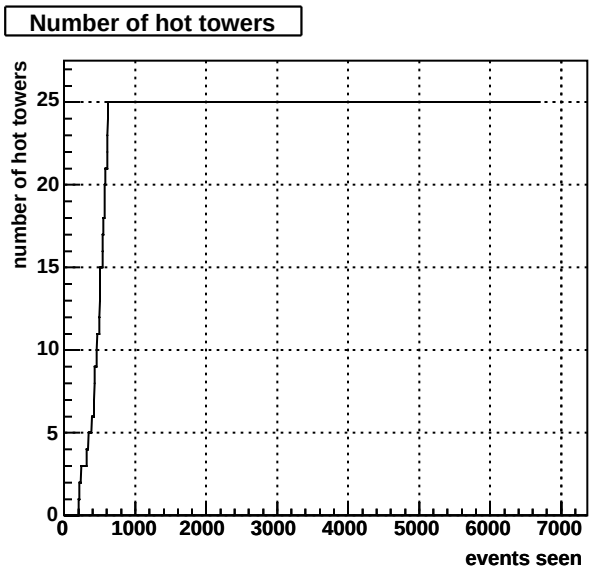

Number of L2 towers
hNumberOfTowersL2
Entries 3780
Mean 27.08
RMS 14.11
Underflow 0
Overflow 3

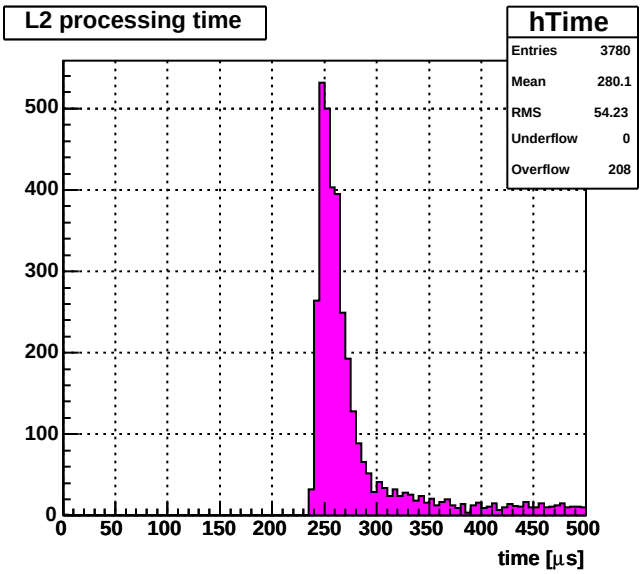

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3780
Mean 7.672
RMS 2.233
Underflow 0
Overflow 14
χ² / ndf 69.36 / 43
Constant 8.077 ± 0.074
Slope -0.4286 ± 0.0088
E [GeV]

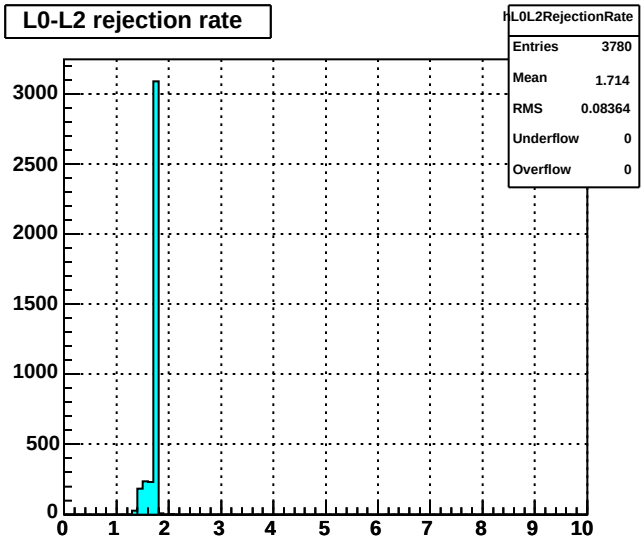

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3780
Mean 3.608
RMS 0.6485
Underflow 0
Overflow 0
χ² / ndf 30.58 / 23
Constant 12.24 ± 0.10
Slope -1.696 ± 0.029
E [GeV]

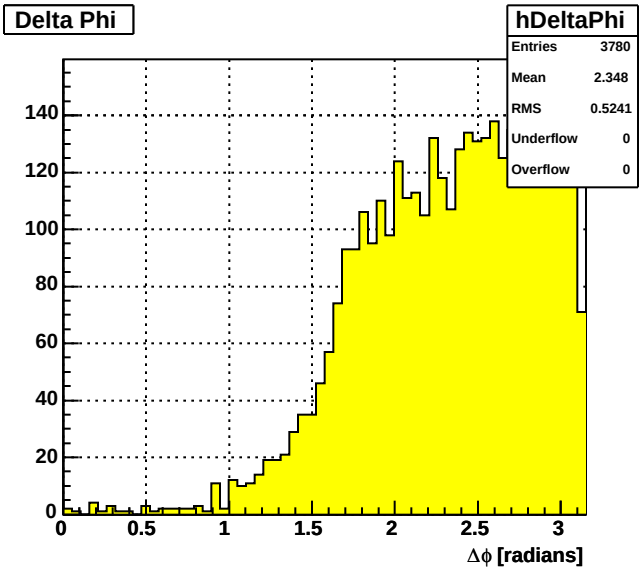

Invariant mass
hInvMass
Entries 3780
Mean 9.082
RMS 1.667
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

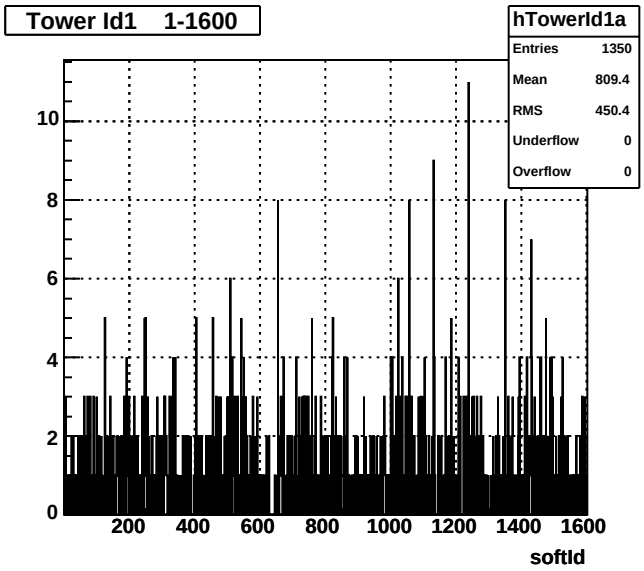

Opening angle
hCosTheta
Entries 3780
Mean -0.5405
RMS 0.2882
Underflow 0
Overflow 0
cos θ

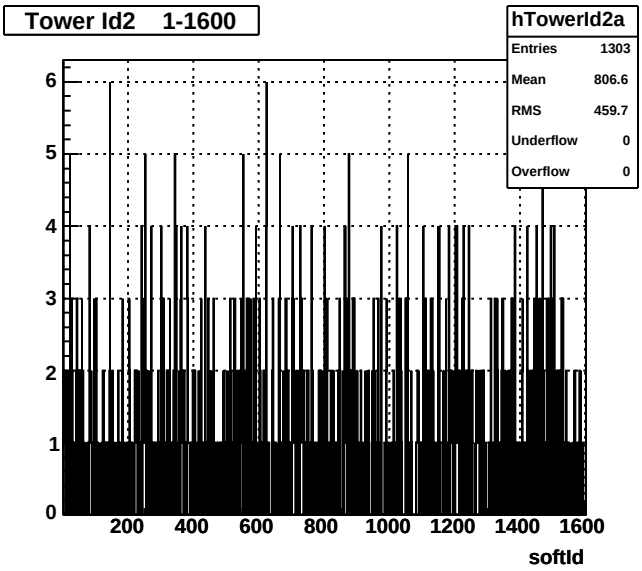

Number of hot towers
number of hot towers
events seen

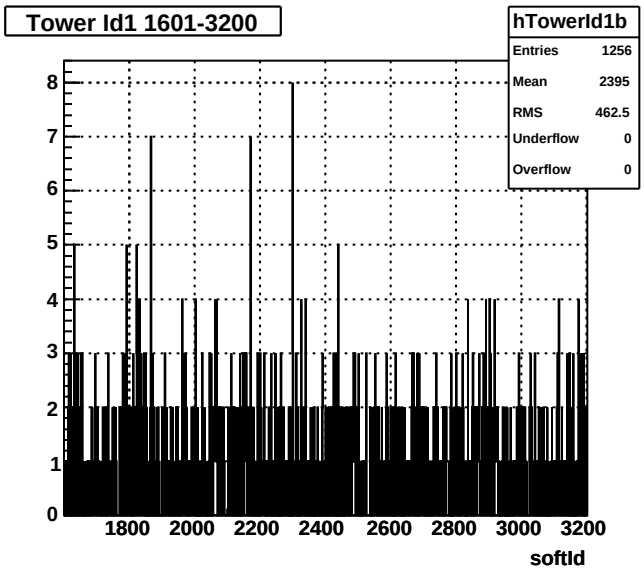

L2 processing time
hTime
Entries 3780
Mean 280.1
RMS 54.23
Underflow 0
Overflow 208
time [μs]

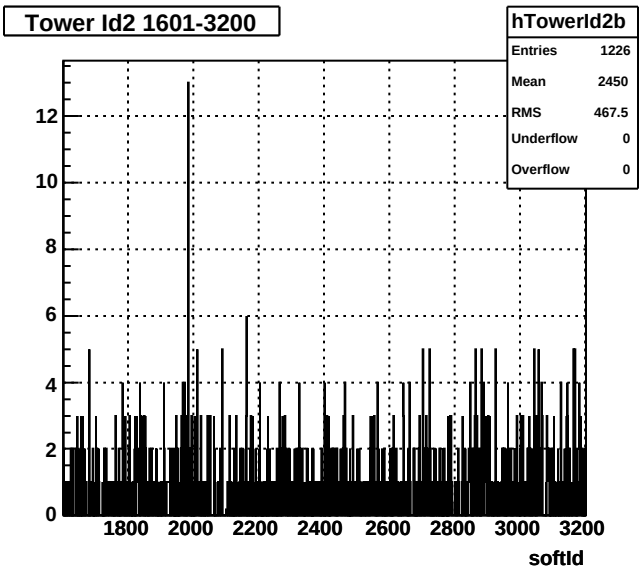

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3780
Mean 1.714
RMS 0.08364
Underflow 0
Overflow 0

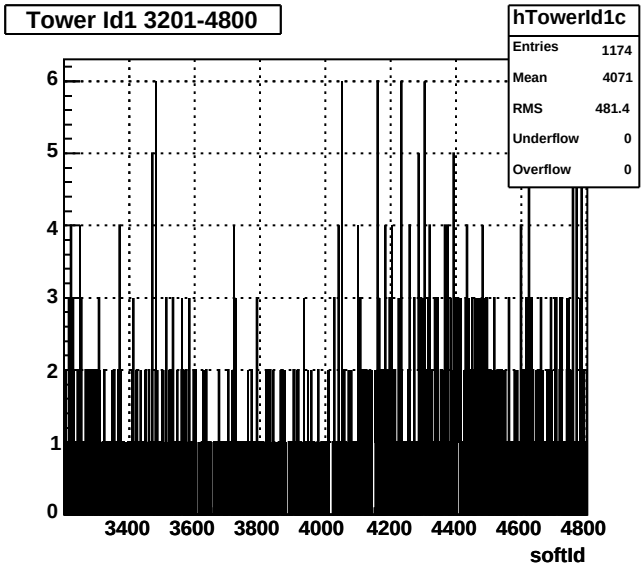

Delta Phi
hDeltaPhi
Entries 3780
Mean 2.348
RMS 0.5241
Underflow 0
Overflow 0
Δφ [radians]

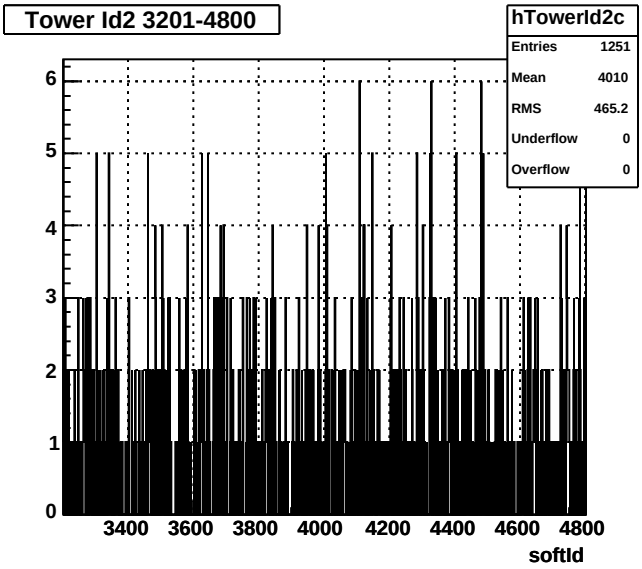

Tower Id1 1-1600
hTowerId1a
Entries 1350
Mean 809.4
RMS 450.4
Underflow 0
Overflow 0
softId

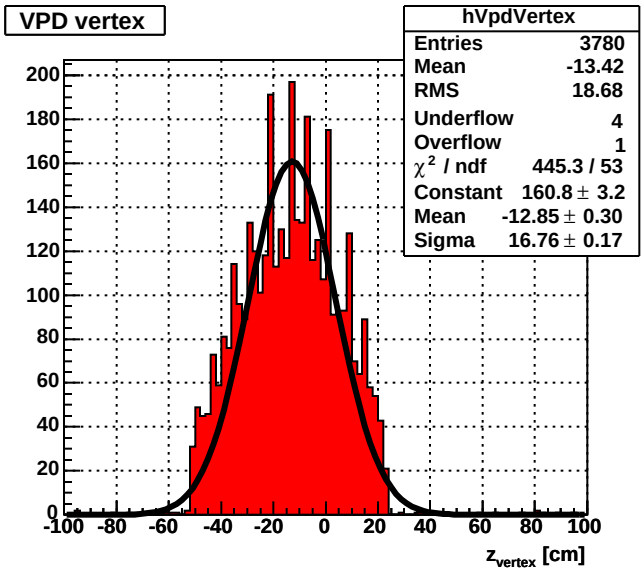

Tower Id2 1-1600
hTowerId2a
Entries 1303
Mean 806.6
RMS 459.7
Underflow 0
Overflow 0
softId

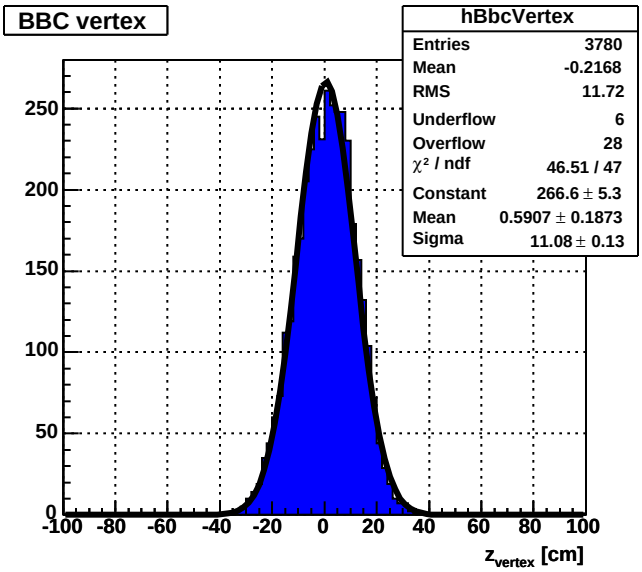

Tower Id1 1601-3200
hTowerId1b
Entries 1256
Mean 2395
RMS 462.5
Underflow 0
Overflow 0
softId

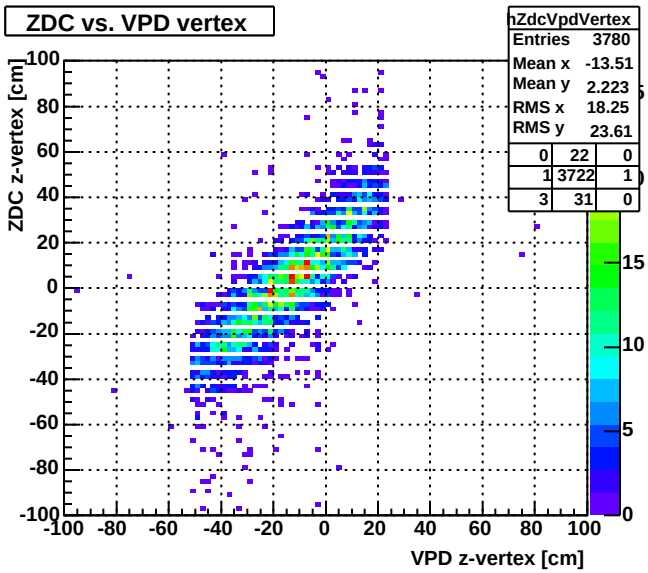

Tower Id2 1601-3200
hTowerId2b
Entries 1226
Mean 2450
RMS 467.5
Underflow 0
Overflow 0
softId

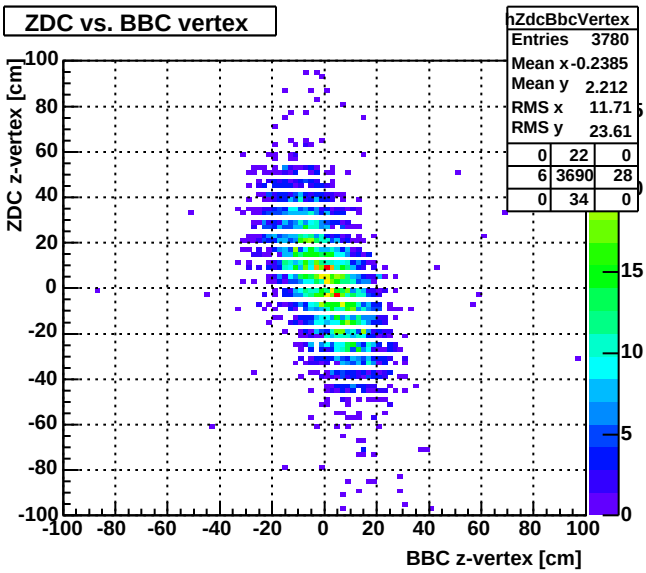

Tower Id1 3201-4800
hTowerId1c
Entries 1174
Mean 4071
RMS 481.4
Underflow 0
Overflow 0
softId

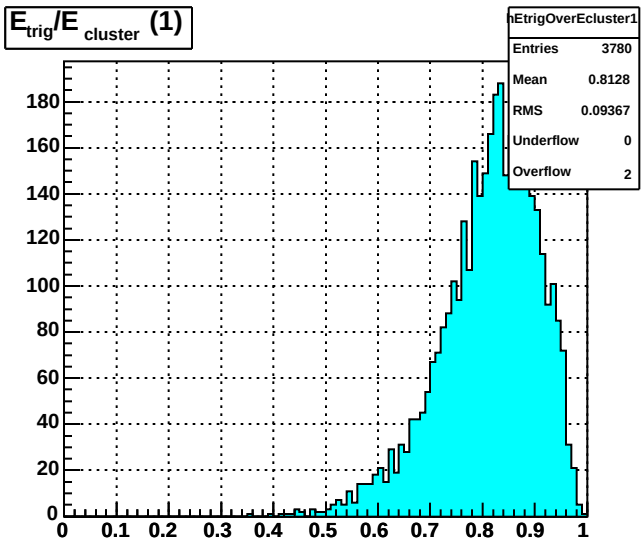

Tower Id2 3201-4800
hTowerId2c
Entries 1251
Mean 4010
RMS 465.2
Underflow 0
Overflow 0
softId

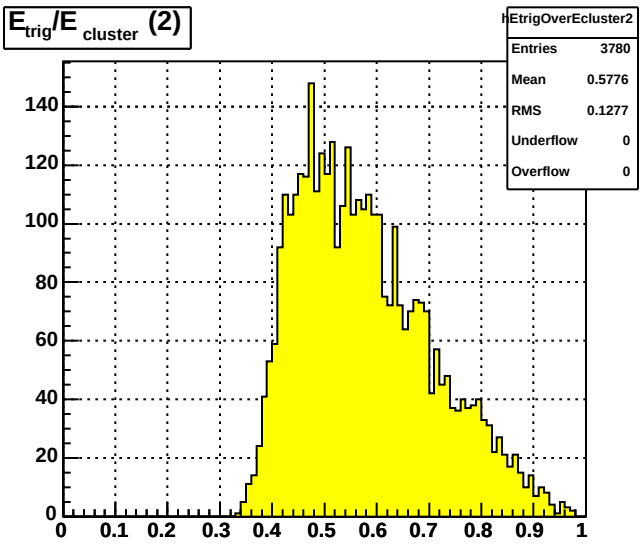

VPD vertex
hVpdVertex
Entries 3780
Mean -13.42
RMS 18.68
Underflow 4
Overflow 1
χ² / ndf 445.3 / 53
Constant 160.8 ± 3.2
Mean -12.85 ± 0.30
Sigma 16.76 ± 0.17
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3780
Mean -0.2168
RMS 11.72
Underflow 6
Overflow 28
χ² / ndf 46.51 / 47
Constant 266.6 ± 5.3
Mean 0.5907 ± 0.1873
Sigma 11.08 ± 0.13
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3780
Mean x -13.51
Mean y 2.223
RMS x 18.25
RMS y 23.61
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3780
Mean x -0.2385
Mean y 2.212
RMS x 11.71
RMS y 23.61
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3780
Mean 0.8128
RMS 0.09367
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3780
Mean 0.5776
RMS 0.1277
Underflow 0
Overflow 0