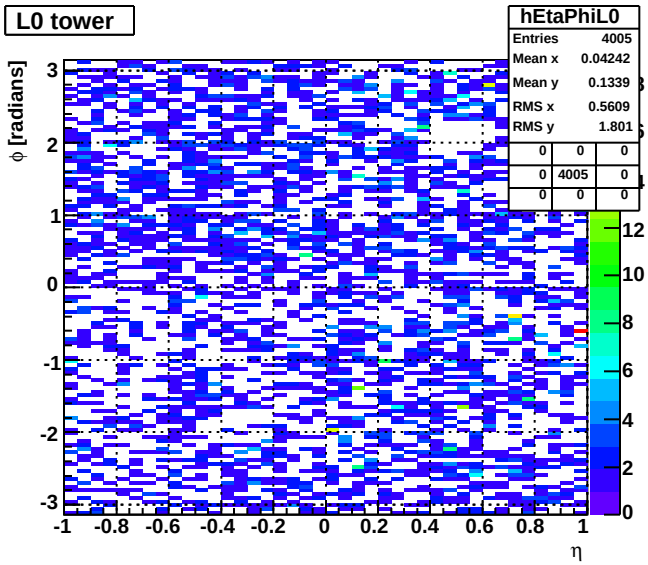
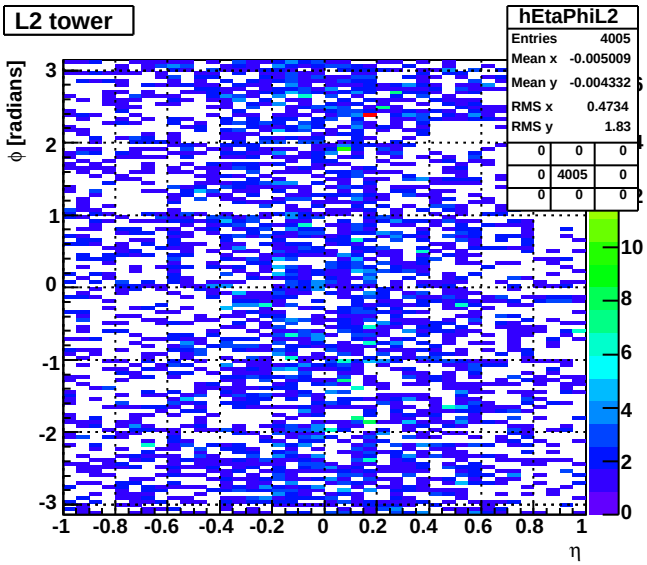
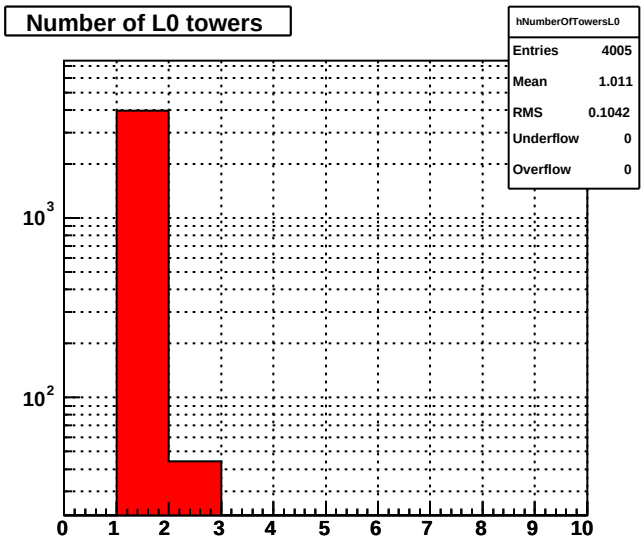
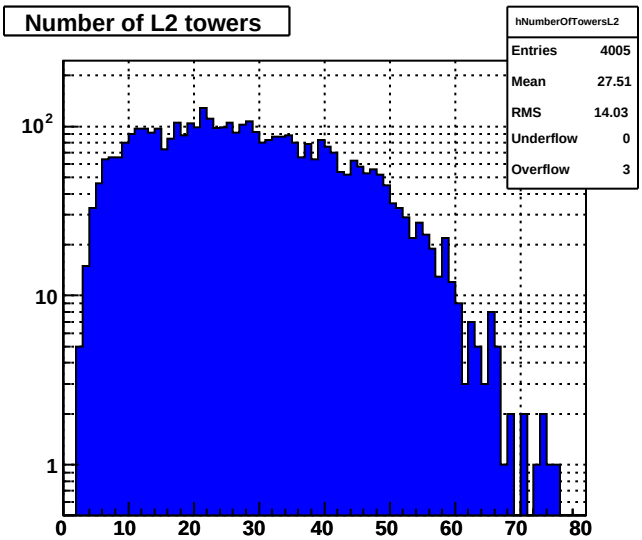
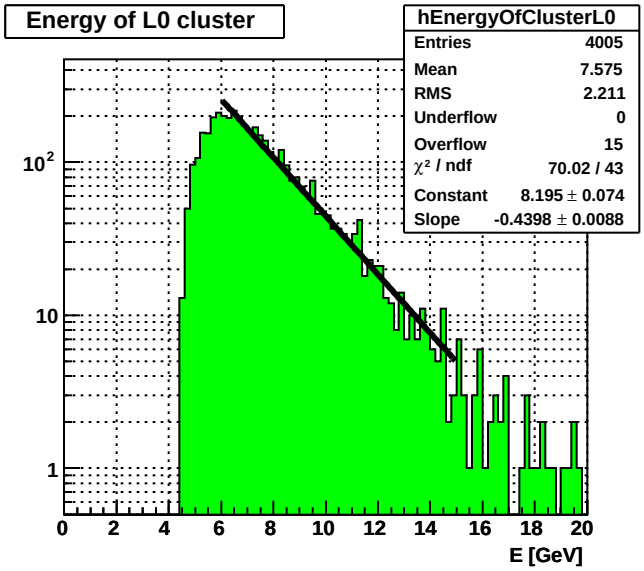
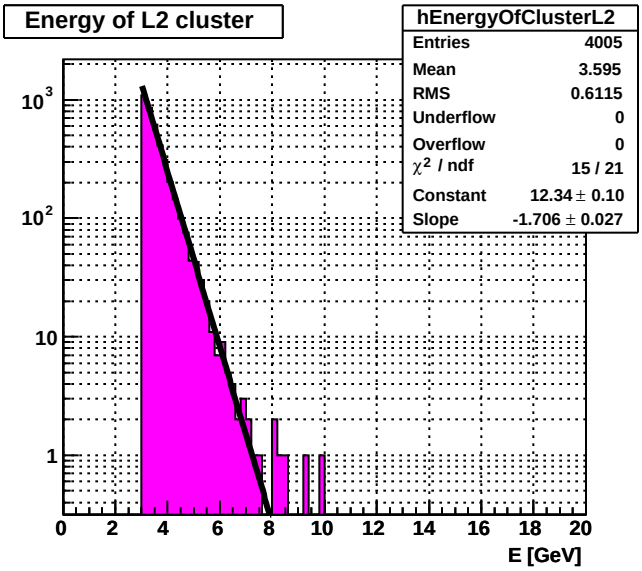

L0 tower
hEtaPhiL0
Entries 4005
Mean x 0.04242
Mean y 0.1339
RMS x 0.5609
RMS y 1.801
φ [radians]
η

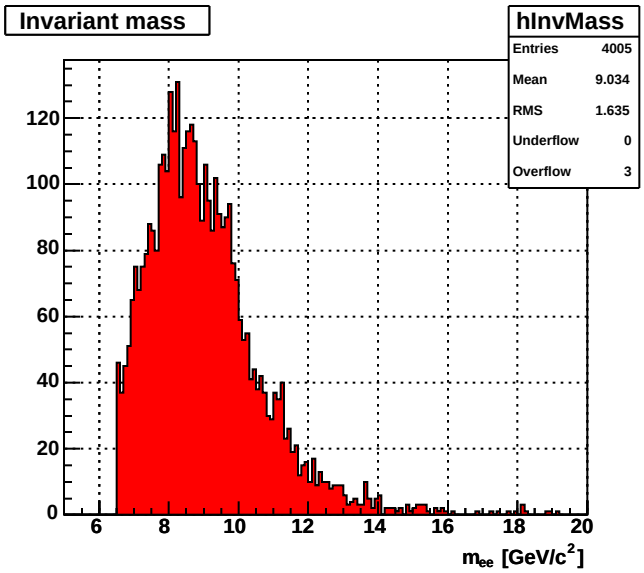

L2 tower
hEtaPhiL2
Entries 4005
Mean x -0.005009
Mean y -0.004332
RMS x 0.4734
RMS y 1.83
φ [radians]
η

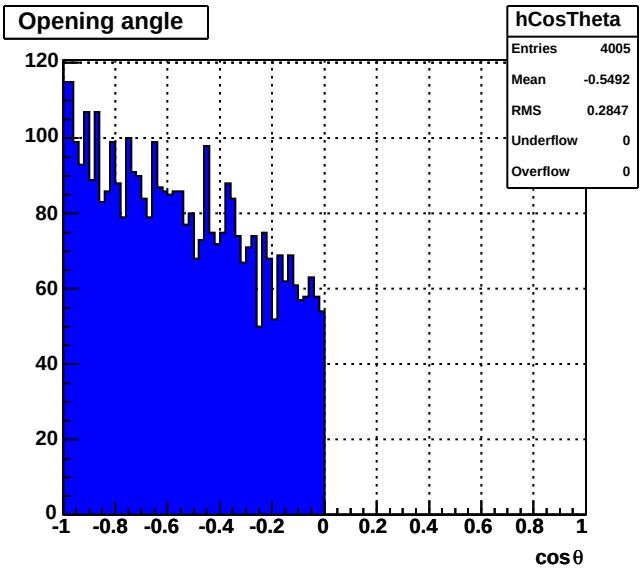

Number of L0 towers
hNumberOfTowersL0
Entries 4005
Mean 1.011
RMS 0.1042
Underflow 0
Overflow 0

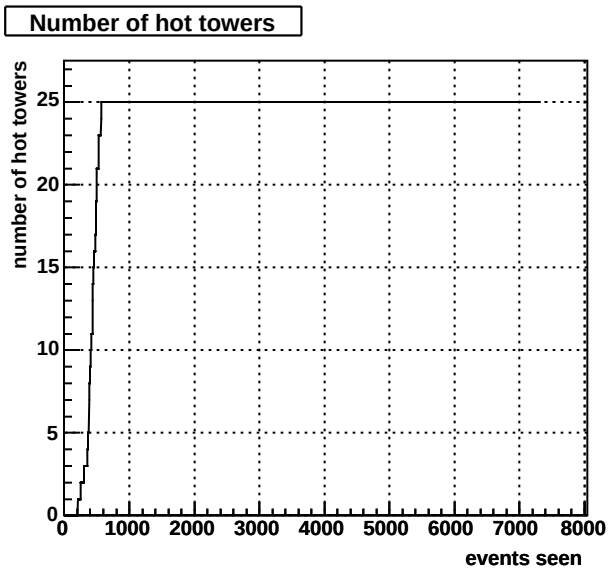

Number of L2 towers
hNumberOfTowersL2
Entries 4005
Mean 27.51
RMS 14.03
Underflow 0
Overflow 3

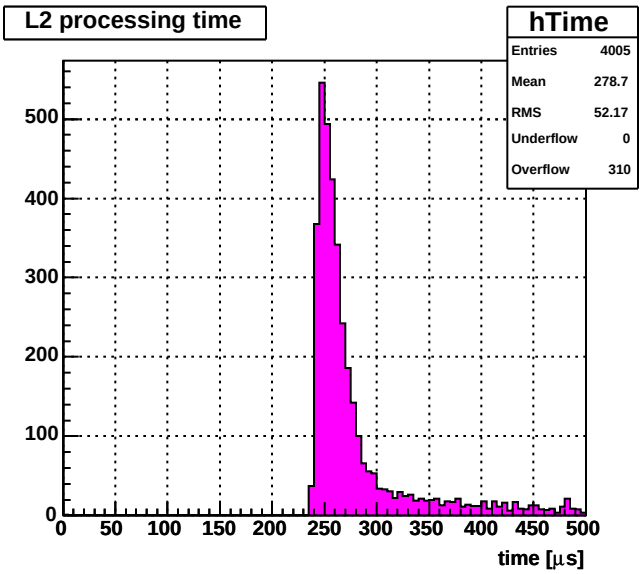

Energy of L0 cluster
hEnergyOfClusterL0
Entries 4005
Mean 7.575
RMS 2.211
Underflow 0
Overflow 15
χ² / ndf 70.02 / 43
Constant 8.195 ± 0.074
Slope -0.4398 ± 0.0088
E [GeV]

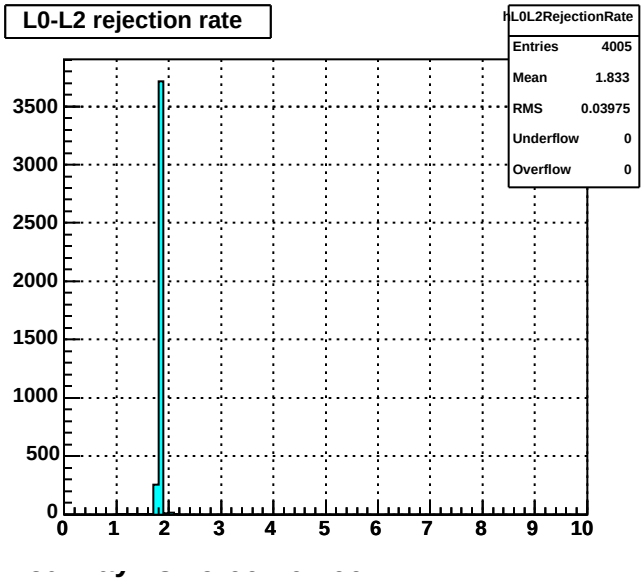

Energy of L2 cluster
hEnergyOfClusterL2
Entries 4005
Mean 3.595
RMS 0.6115
Underflow 0
Overflow 0
χ² / ndf 15 / 21
Constant 12.34 ± 0.10
Slope -1.706 ± 0.027
E [GeV]

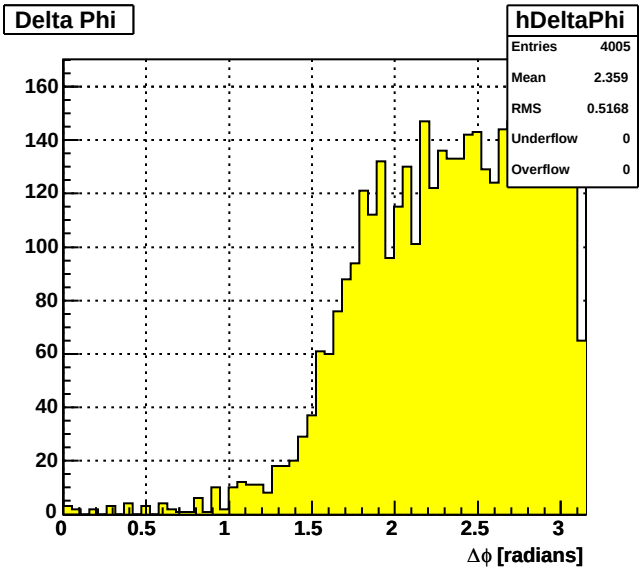

Invariant mass
hInvMass
Entries 4005
Mean 9.034
RMS 1.635
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

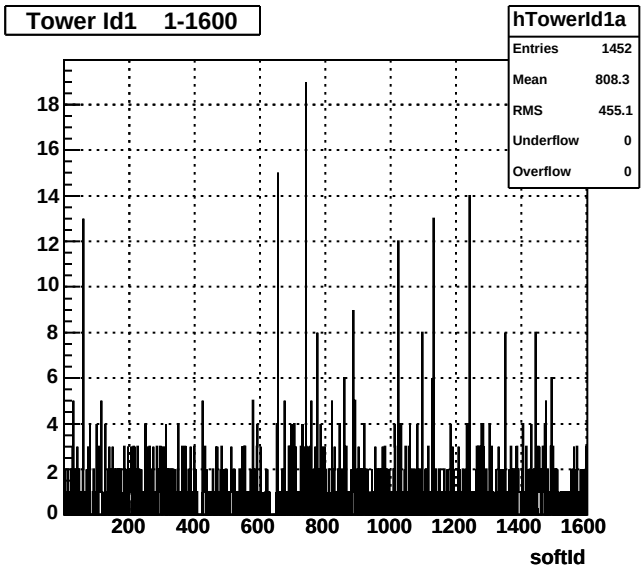

Opening angle
hCosTheta
Entries 4005
Mean -0.5492
RMS 0.2847
Underflow 0
Overflow 0
cos θ

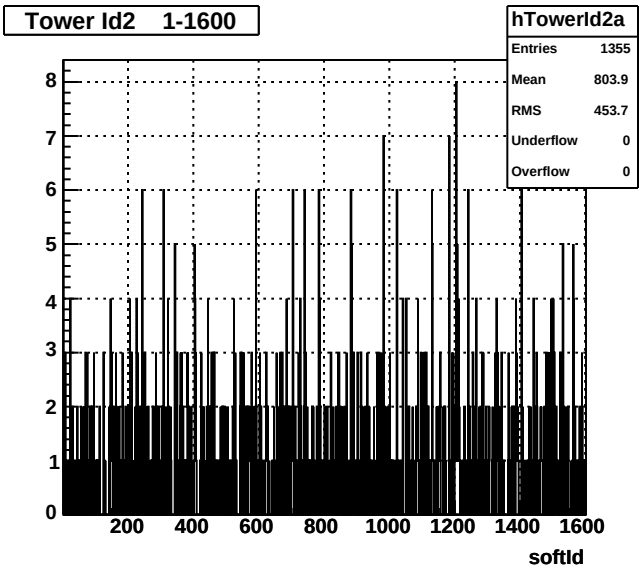

Number of hot towers
number of hot towers
events seen

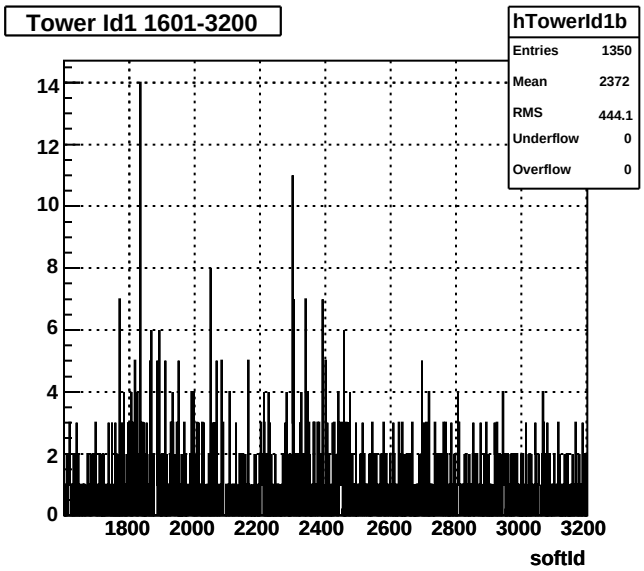

L2 processing time
hTime
Entries 4005
Mean 278.7
RMS 52.17
Underflow 0
Overflow 310
time [μs]

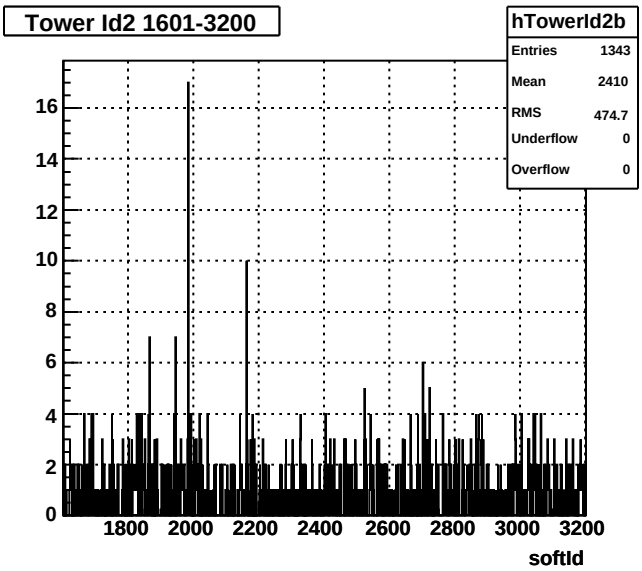

L0-L2 rejection rate
hL0L2RejectionRate
Entries 4005
Mean 1.833
RMS 0.03975
Underflow 0
Overflow 0

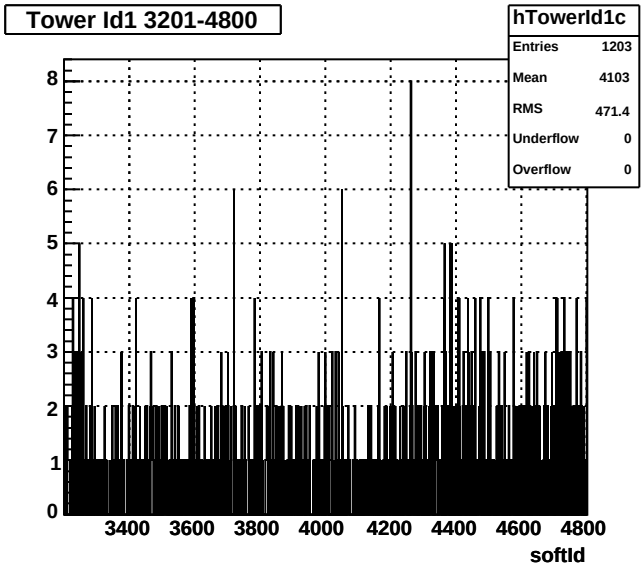

Delta Phi
hDeltaPhi
Entries 4005
Mean 2.359
RMS 0.5168
Underflow 0
Overflow 0
Δφ [radians]

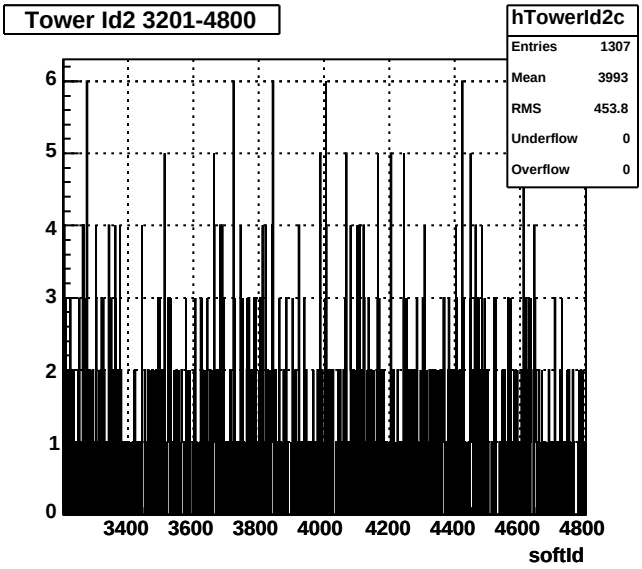

Tower Id1 1-1600
hTowerId1a
Entries 1452
Mean 808.3
RMS 455.1
Underflow 0
Overflow 0
softId

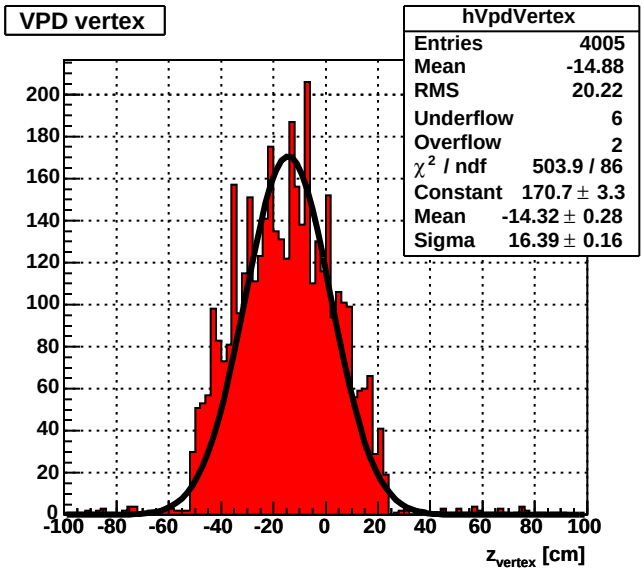

Tower Id2 1-1600
hTowerId2a
Entries 1355
Mean 803.9
RMS 453.7
Underflow 0
Overflow 0
softId

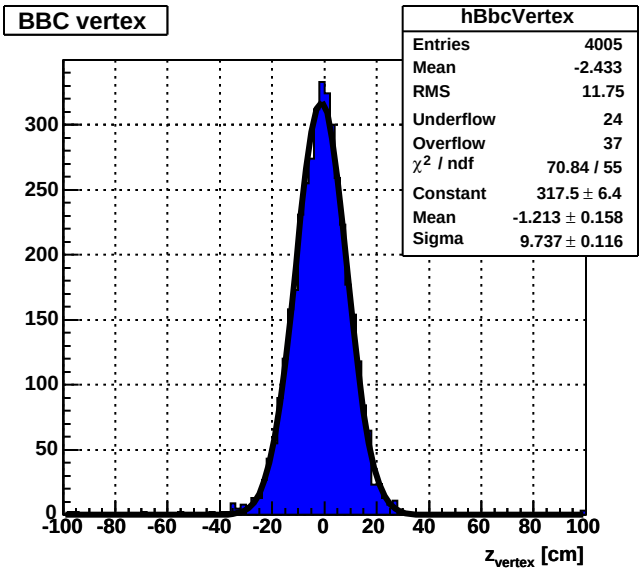

Tower Id1 1601-3200
hTowerId1b
Entries 1350
Mean 2372
RMS 444.1
Underflow 0
Overflow 0
softId

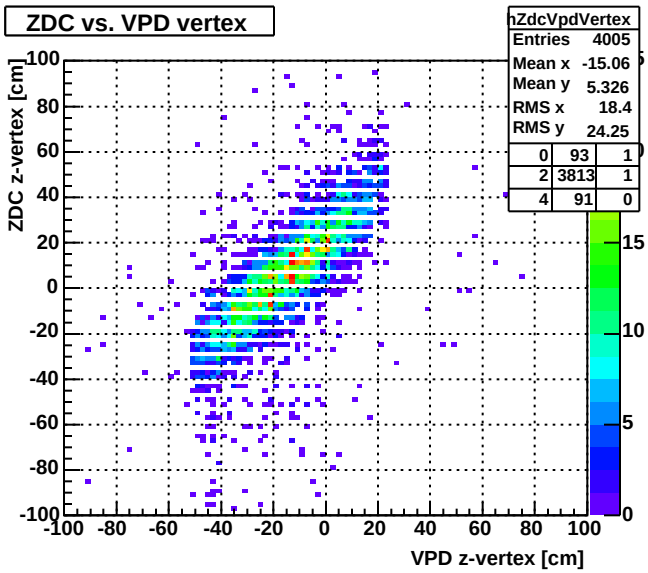

Tower Id2 1601-3200
hTowerId2b
Entries 1343
Mean 2410
RMS 474.7
Underflow 0
Overflow 0
softId

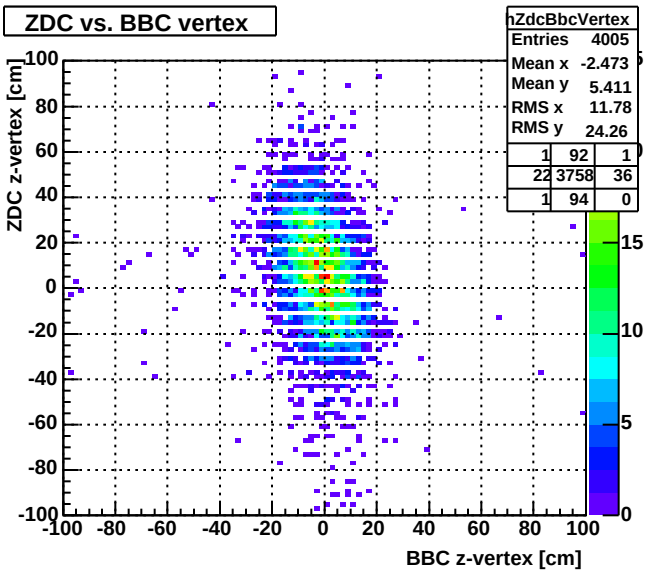

Tower Id1 3201-4800
hTowerId1c
Entries 1203
Mean 4103
RMS 471.4
Underflow 0
Overflow 0
softId

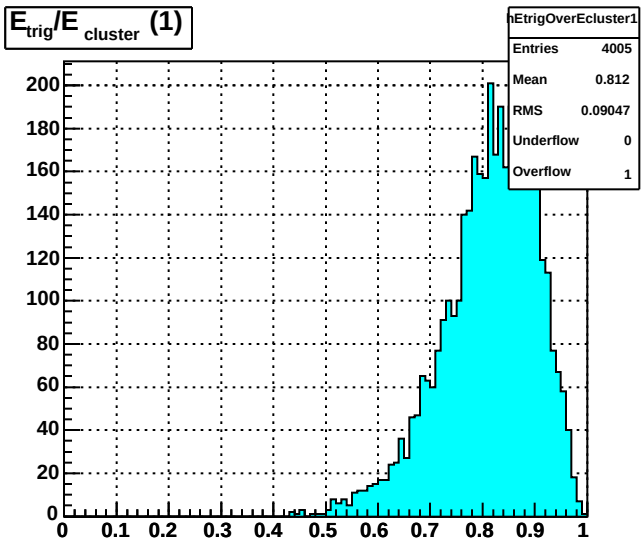

Tower Id2 3201-4800
hTowerId2c
Entries 1307
Mean 3993
RMS 453.8
Underflow 0
Overflow 0
softId

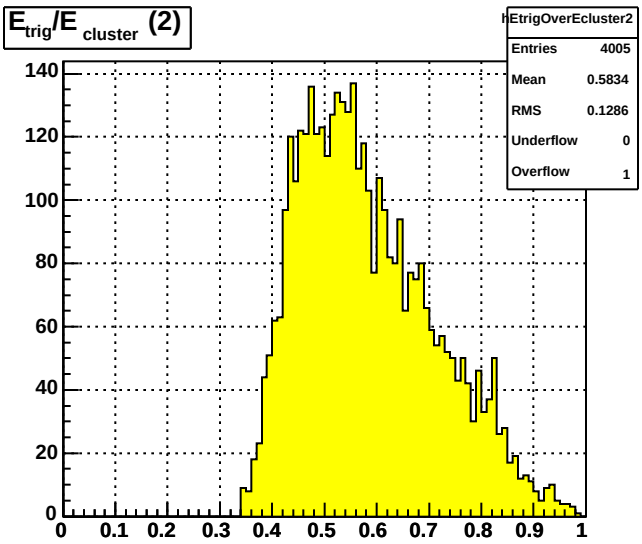

VPD vertex
hVpdVertex
Entries 4005
Mean -14.88
RMS 20.22
Underflow 6
Overflow 2
χ² / ndf 503.9 / 86
Constant 170.7 ± 3.3
Mean -14.32 ± 0.28
Sigma 16.39 ± 0.16
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 4005
Mean -2.433
RMS 11.75
Underflow 24
Overflow 37
χ² / ndf 70.84 / 55
Constant 317.5 ± 6.4
Mean -1.213 ± 0.158
Sigma 9.737 ± 0.116
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 4005
Mean x -15.06
Mean y 5.326
RMS x 18.4
RMS y 24.25
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 4005
Mean x -2.473
Mean y 5.411
RMS x 11.78
RMS y 24.26
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 4005
Mean 0.812
RMS 0.09047
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 4005
Mean 0.5834
RMS 0.1286
Underflow 0
Overflow 1