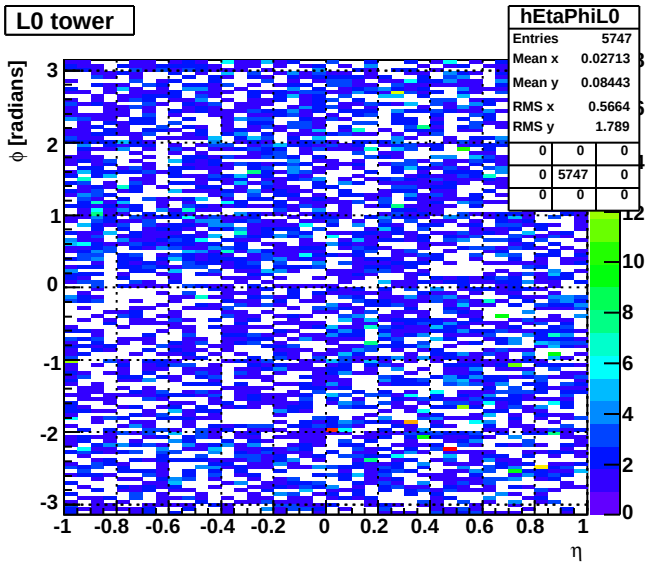
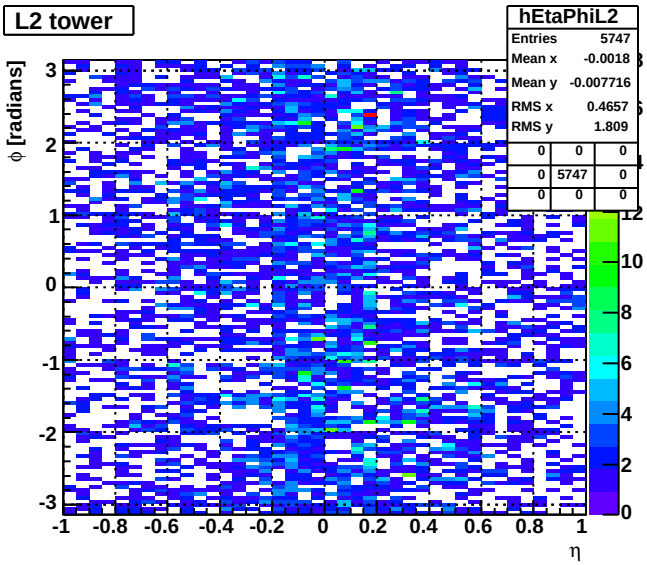
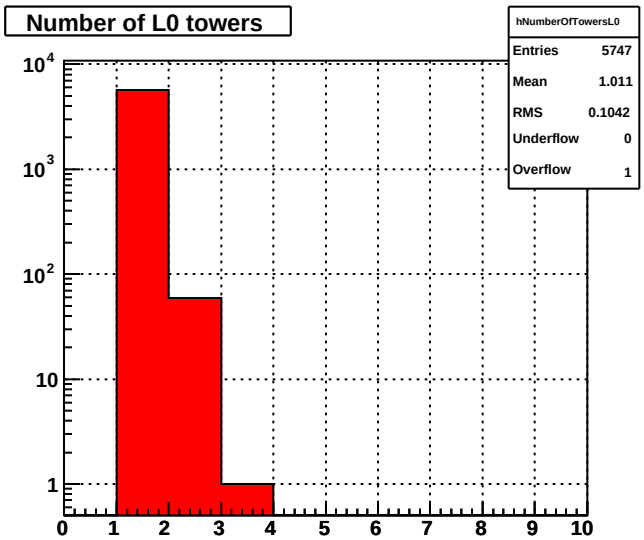
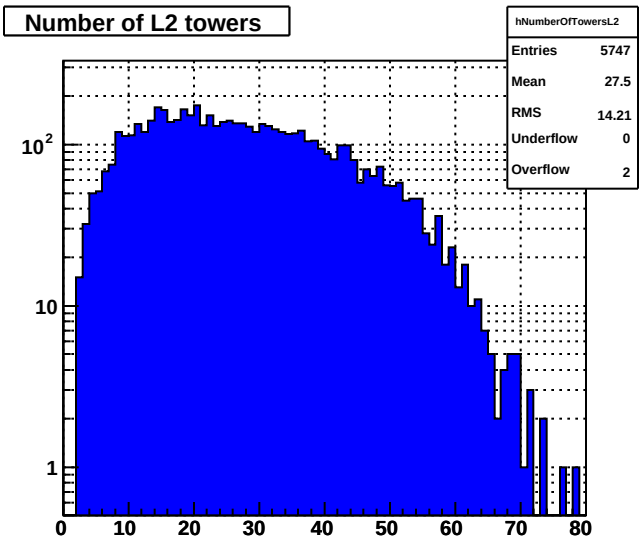
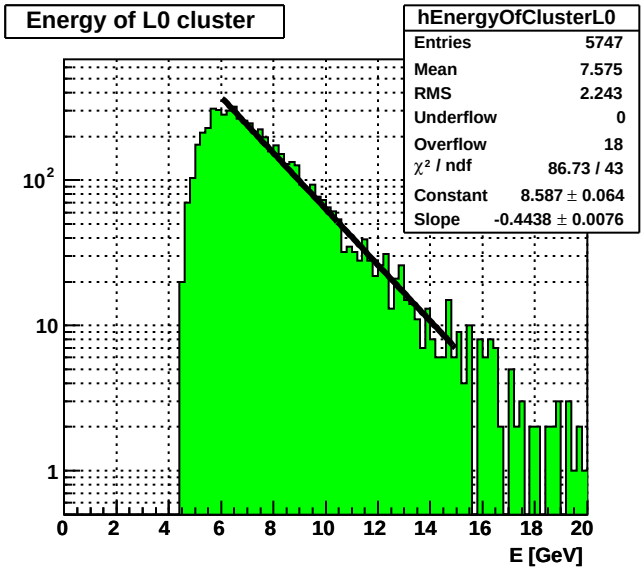
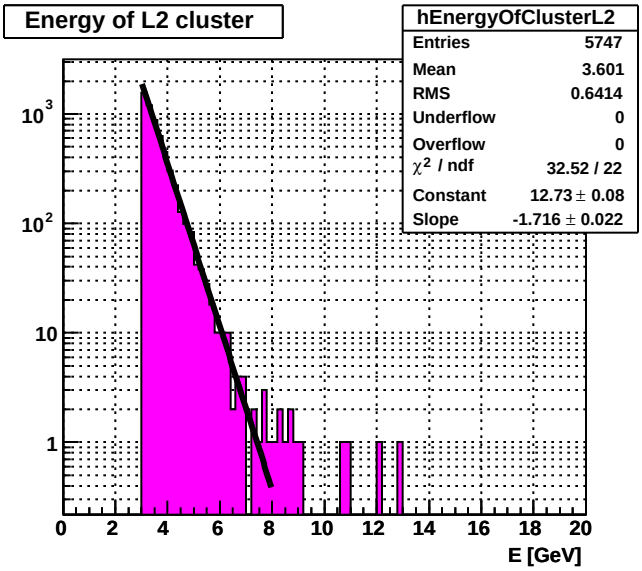

L0 tower
hEtaPhiL0
Entries 5747
Mean x 0.02713
Mean y 0.08443
RMS x 0.5664
RMS y 1.789
φ [radians]
η

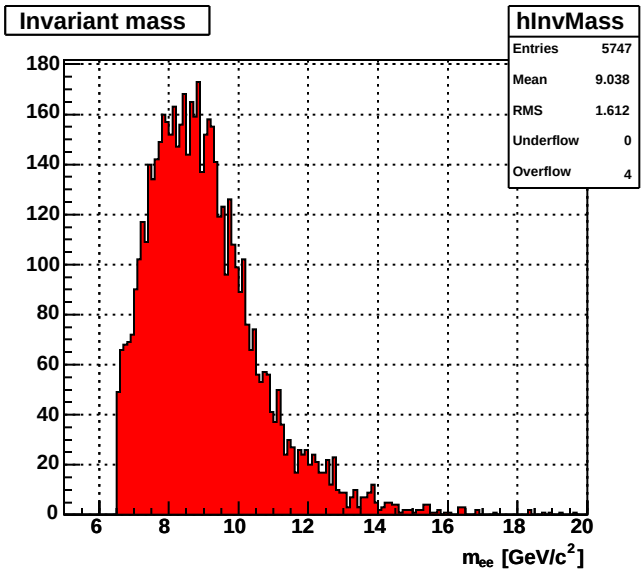

L2 tower
hEtaPhiL2
Entries 5747
Mean x -0.0018
Mean y -0.007716
RMS x 0.4657
RMS y 1.809
φ [radians]
η

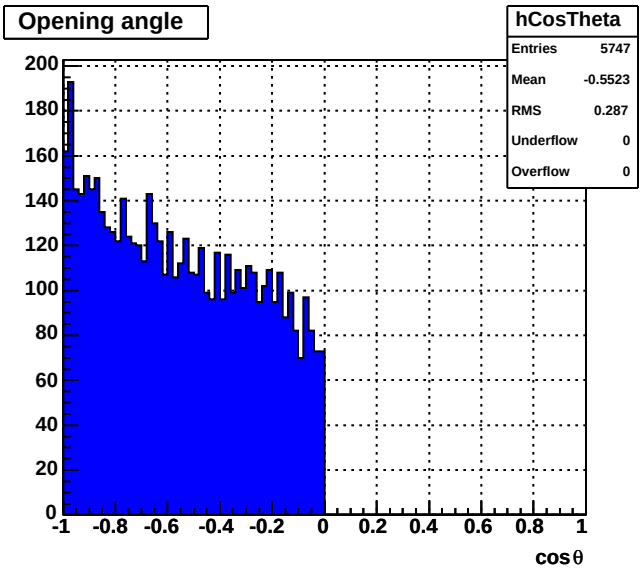

Number of L0 towers
hNumberOfTowersL0
Entries 5747
Mean 1.011
RMS 0.1042
Underflow 0
Overflow 1

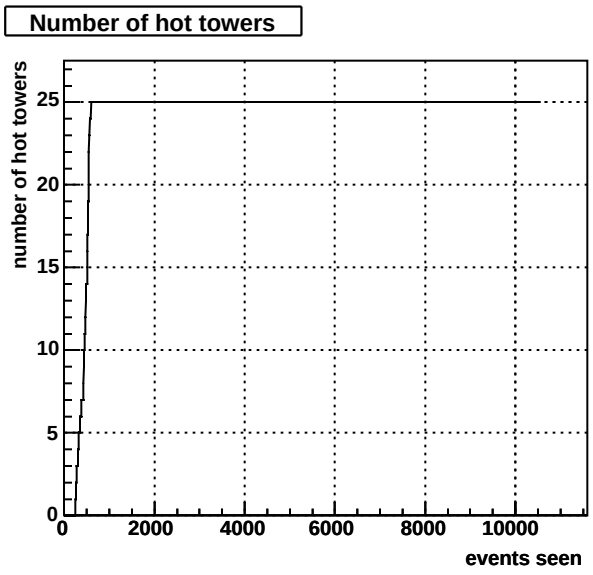

Number of L2 towers
hNumberOfTowersL2
Entries 5747
Mean 27.5
RMS 14.21
Underflow 0
Overflow 2

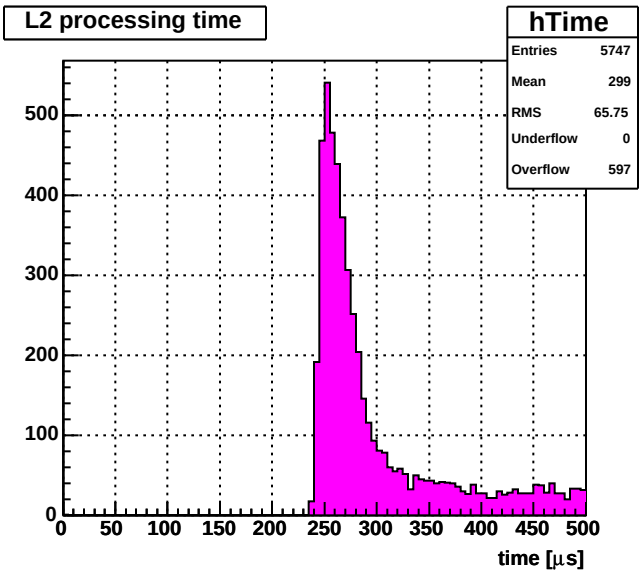

Energy of L0 cluster
hEnergyOfClusterL0
Entries 5747
Mean 7.575
RMS 2.243
Underflow 0
Overflow 18
χ² / ndf 86.73 / 43
Constant 8.587 ± 0.064
Slope -0.4438 ± 0.0076
E [GeV]

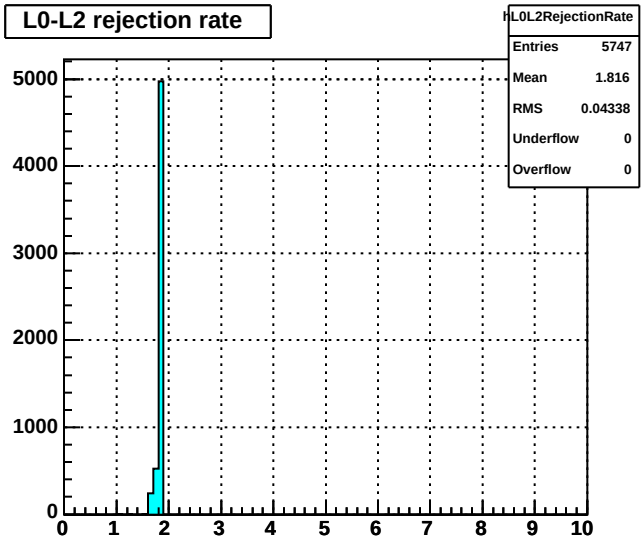

Energy of L2 cluster
hEnergyOfClusterL2
Entries 5747
Mean 3.601
RMS 0.6414
Underflow 0
Overflow 0
χ² / ndf 32.52 / 22
Constant 12.73 ± 0.08
Slope -1.716 ± 0.022
E [GeV]

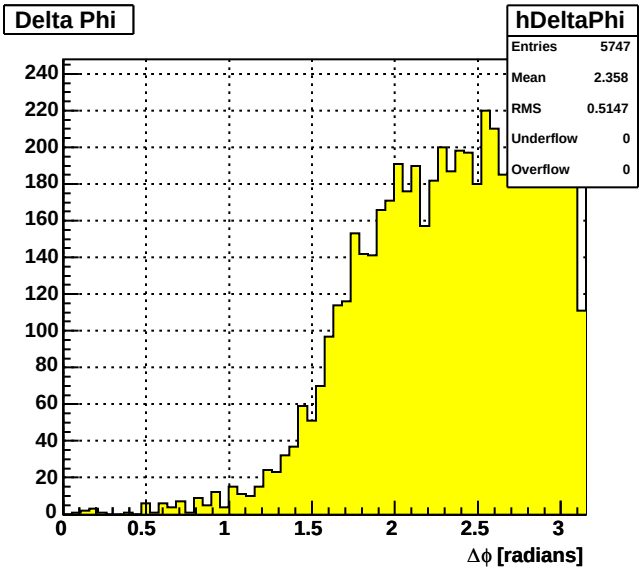

Invariant mass
hInvMass
Entries 5747
Mean 9.038
RMS 1.612
Underflow 0
Overflow 4
$m_{ee}$ [GeV/$c^2$]

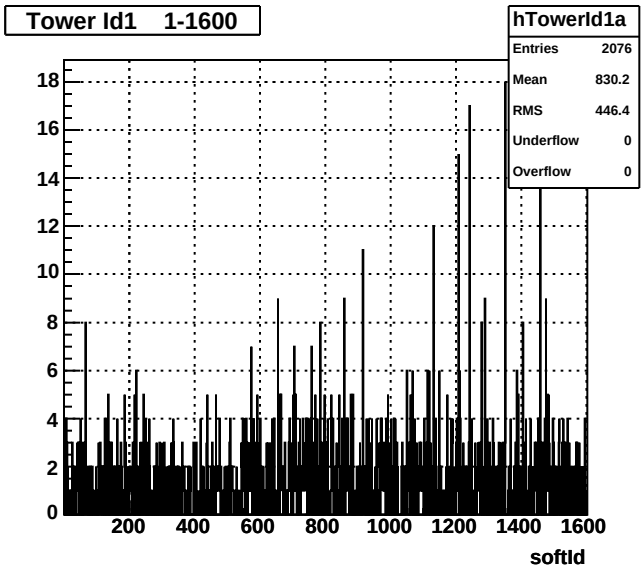

Opening angle
hCosTheta
Entries 5747
Mean -0.5523
RMS 0.287
Underflow 0
Overflow 0
cos θ

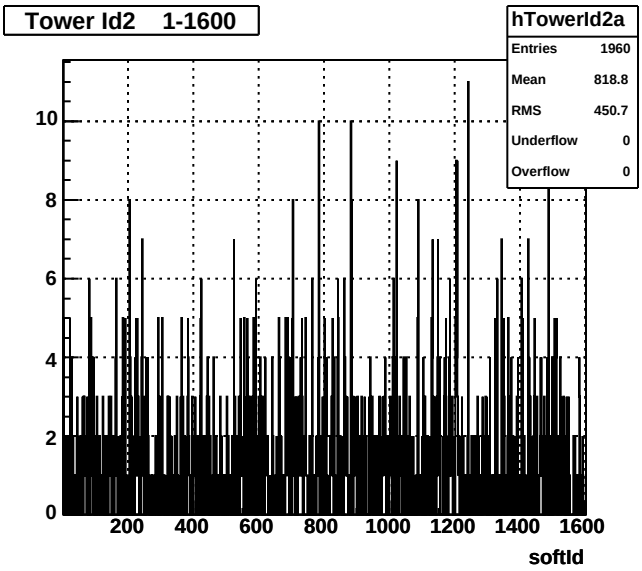

Number of hot towers
number of hot towers
events seen

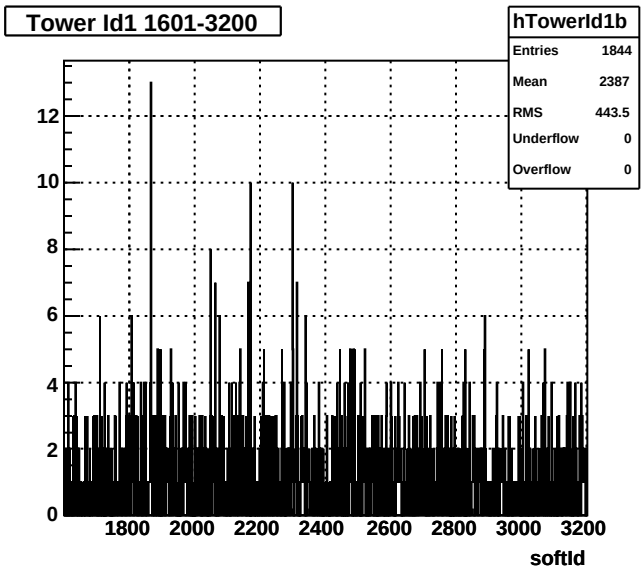

L2 processing time
hTime
Entries 5747
Mean 299
RMS 65.75
Underflow 0
Overflow 597
time [μs]

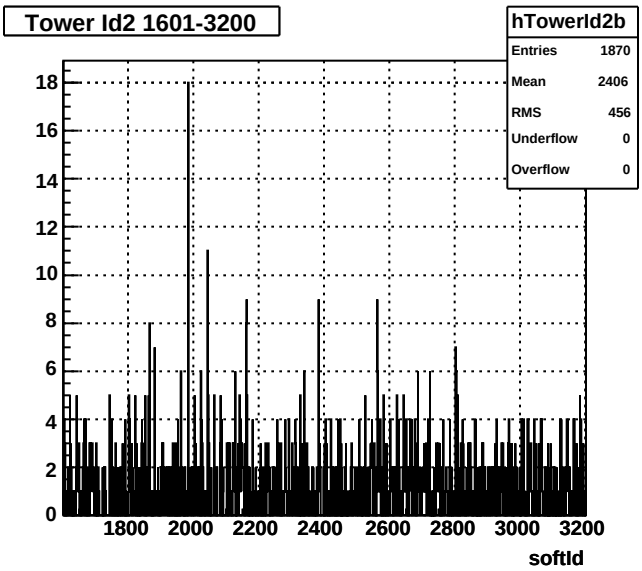

L0-L2 rejection rate
hL0L2RejectionRate
Entries 5747
Mean 1.816
RMS 0.04338
Underflow 0
Overflow 0

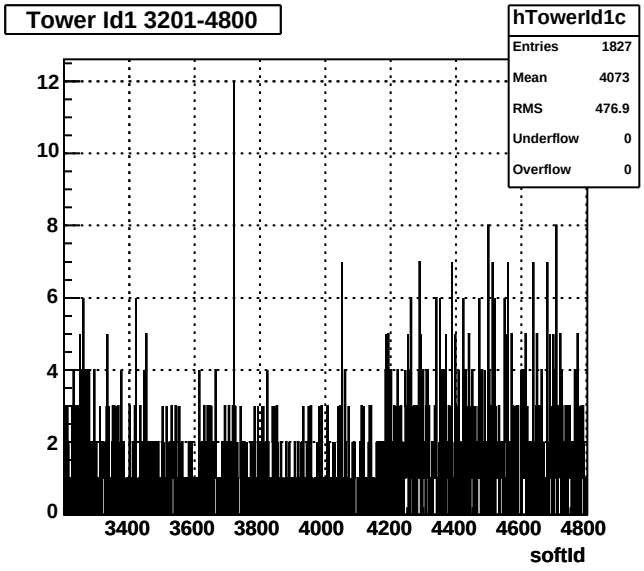

Delta Phi
hDeltaPhi
Entries 5747
Mean 2.358
RMS 0.5147
Underflow 0
Overflow 0
Δφ [radians]

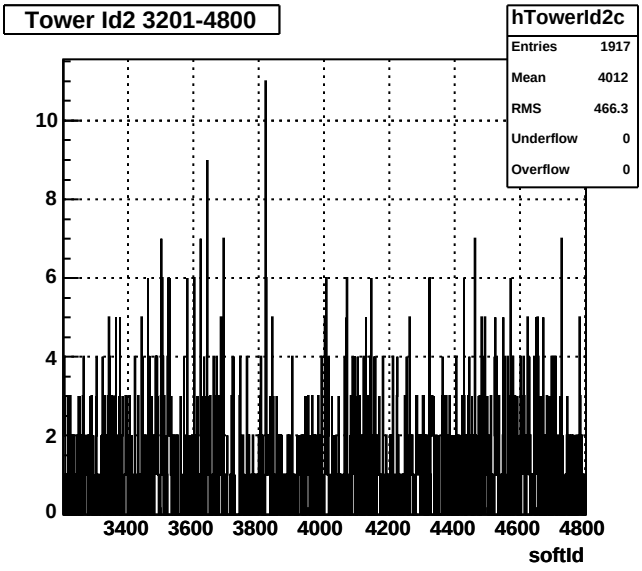

Tower Id1 1-1600
hTowerId1a
Entries 2076
Mean 830.2
RMS 446.4
Underflow 0
Overflow 0
softId

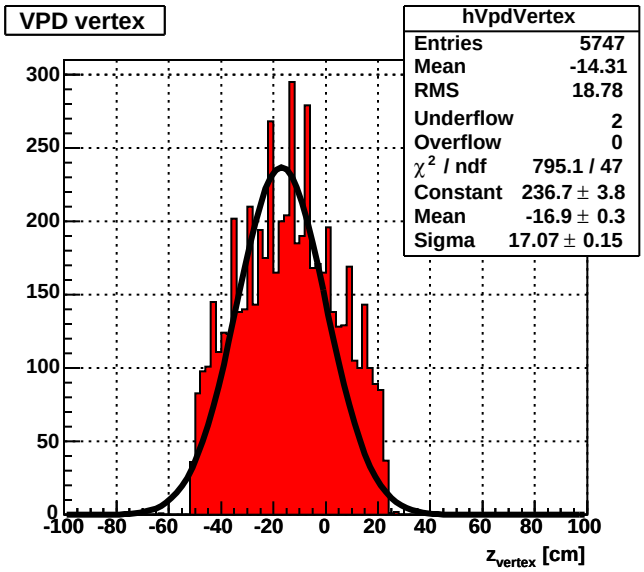

Tower Id2 1-1600
hTowerId2a
Entries 1960
Mean 818.8
RMS 450.7
Underflow 0
Overflow 0
softId

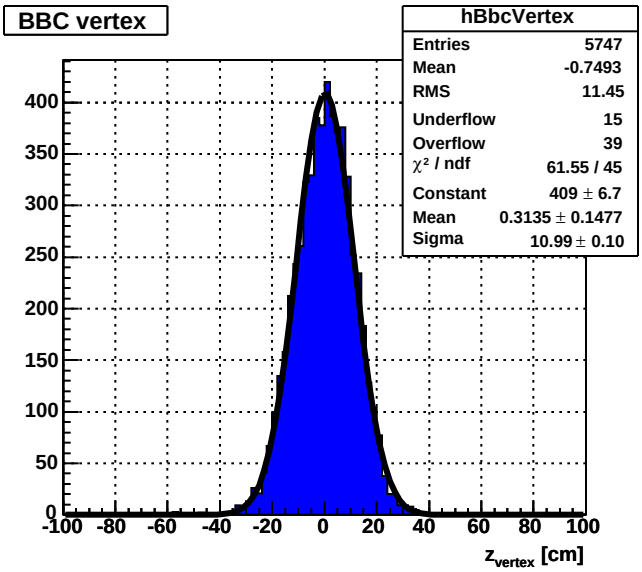

Tower Id1 1601-3200
hTowerId1b
Entries 1844
Mean 2387
RMS 443.5
Underflow 0
Overflow 0
softId

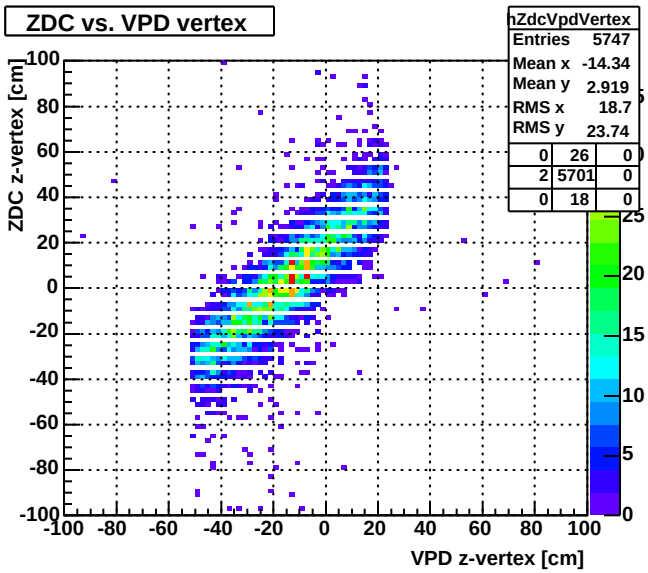

Tower Id2 1601-3200
hTowerId2b
Entries 1870
Mean 2406
RMS 456
Underflow 0
Overflow 0
softId

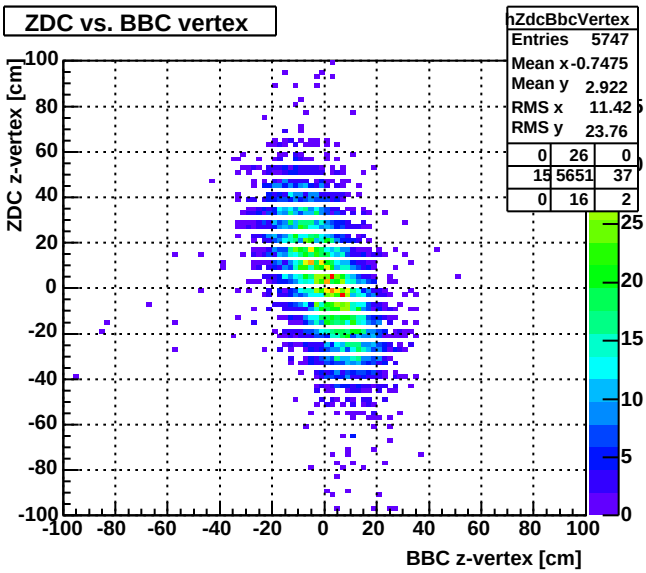

Tower Id1 3201-4800
hTowerId1c
Entries 1827
Mean 4073
RMS 476.9
Underflow 0
Overflow 0
softId

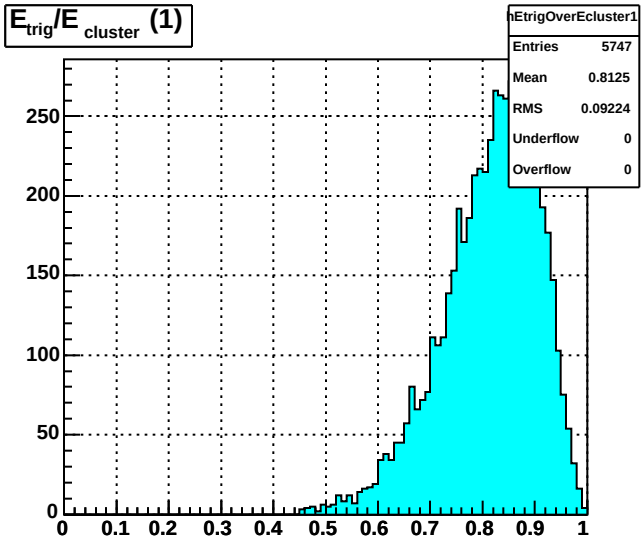

Tower Id2 3201-4800
hTowerId2c
Entries 1917
Mean 4012
RMS 466.3
Underflow 0
Overflow 0
softId

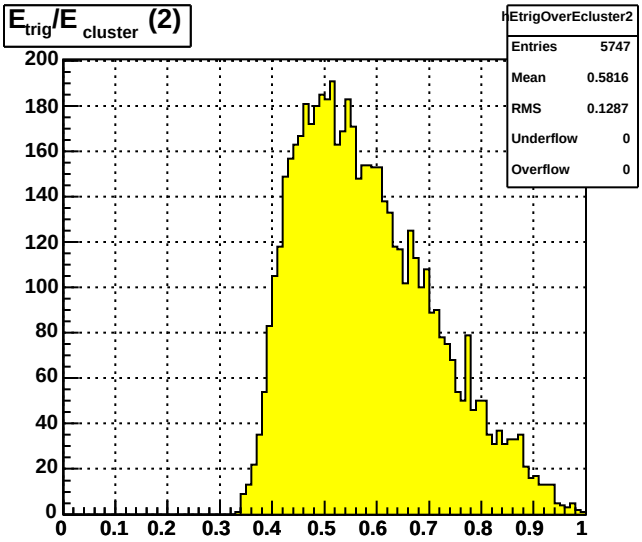

VPD vertex
hVpdVertex
Entries 5747
Mean -14.31
RMS 18.78
Underflow 2
Overflow 0
χ² / ndf 795.1 / 47
Constant 236.7 ± 3.8
Mean -16.9 ± 0.3
Sigma 17.07 ± 0.15
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 5747
Mean -0.7493
RMS 11.45
Underflow 15
Overflow 39
χ² / ndf 61.55 / 45
Constant 409 ± 6.7
Mean 0.3135 ± 0.1477
Sigma 10.99 ± 0.10
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 5747
Mean x -14.34
Mean y 2.919
RMS x 18.7
RMS y 23.74
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 5747
Mean x -0.7475
Mean y 2.922
RMS x 11.42
RMS y 23.76
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 5747
Mean 0.8125
RMS 0.09224
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 5747
Mean 0.5816
RMS 0.1287
Underflow 0
Overflow 0