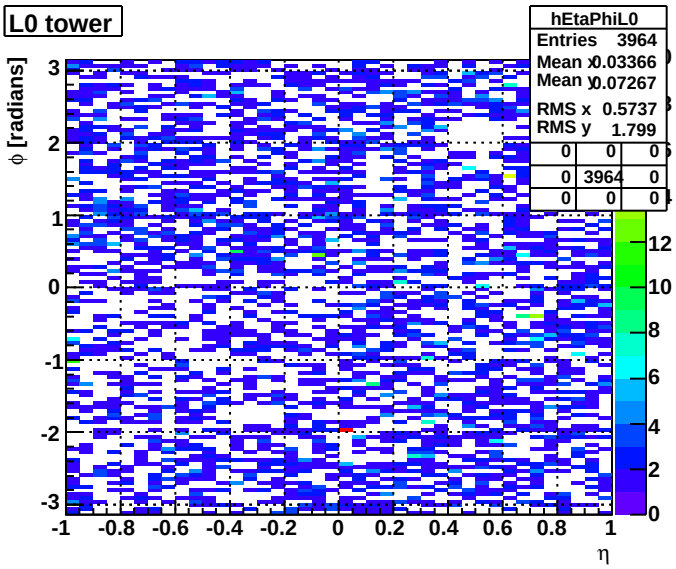
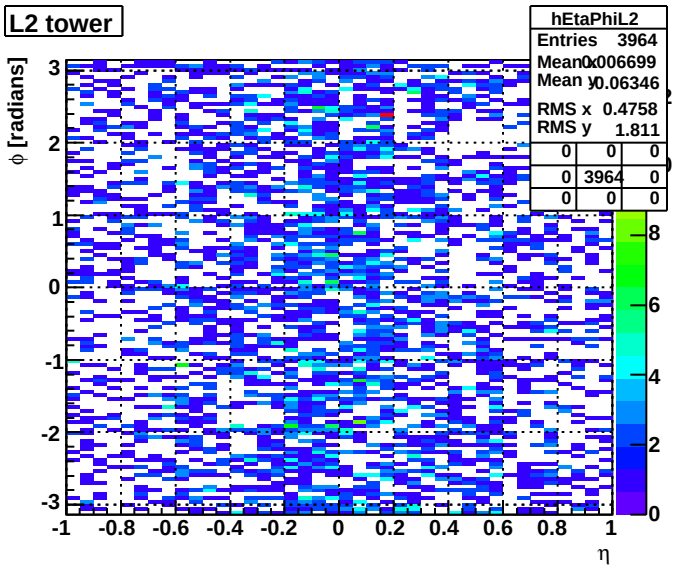
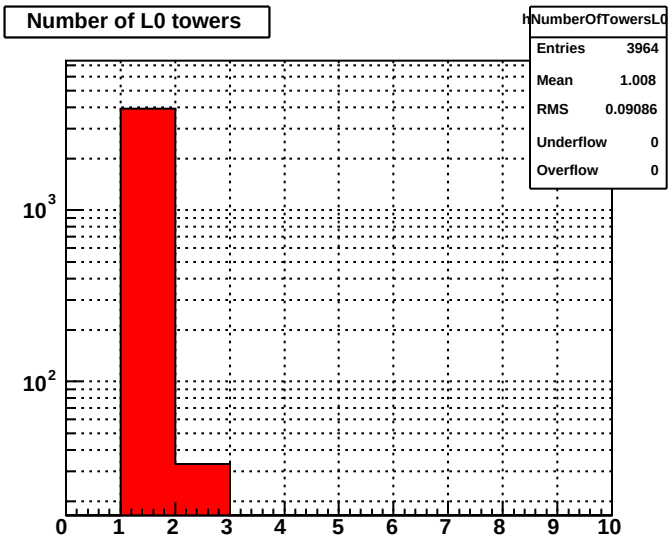
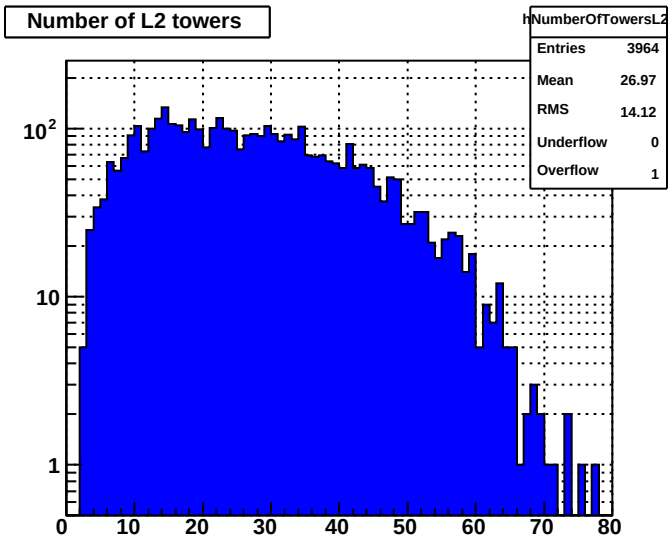
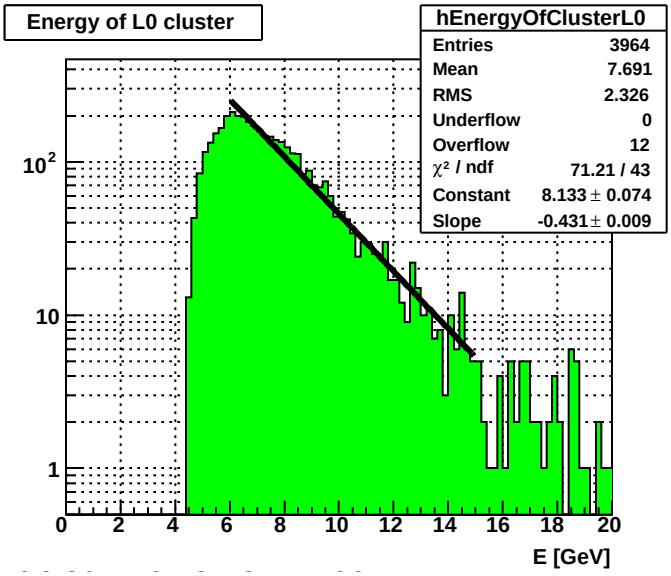
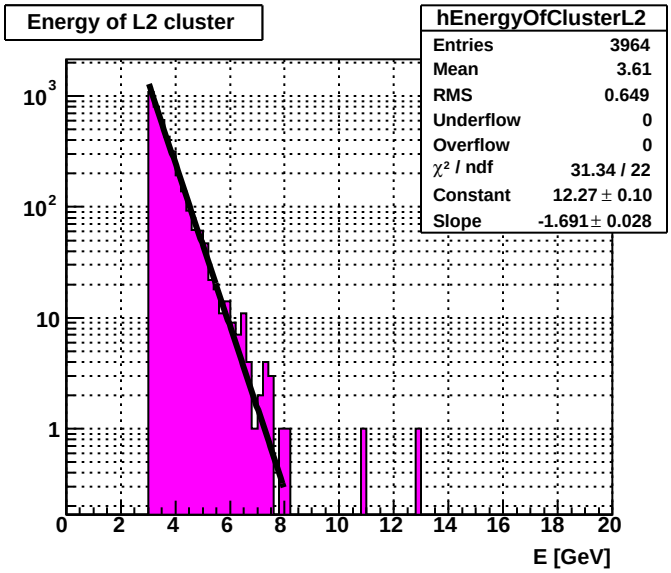

L0 tower
hEtaPhiL0
Entries 3964
Mean x 0.03366
Mean y 0.07267
RMS x 0.5737
RMS y 1.799
φ [radians]
η

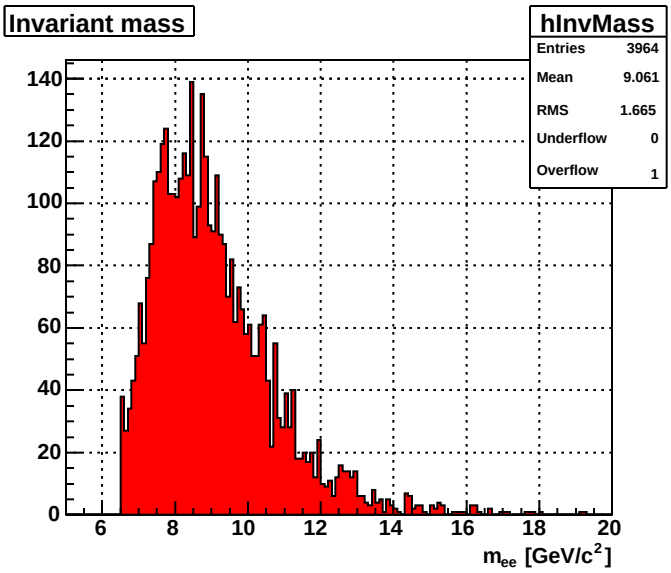

L2 tower
hEtaPhiL2
Entries 3964
Mean x 0.006699
Mean y 0.06346
RMS x 0.4758
RMS y 1.811
φ [radians]
η

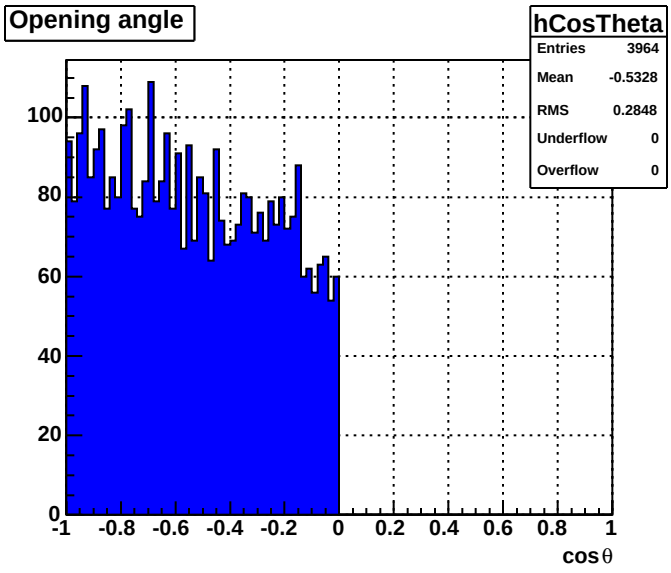

Number of L0 towers
hNumberOfTowersL0
Entries 3964
Mean 1.008
RMS 0.09086
Underflow 0
Overflow 0

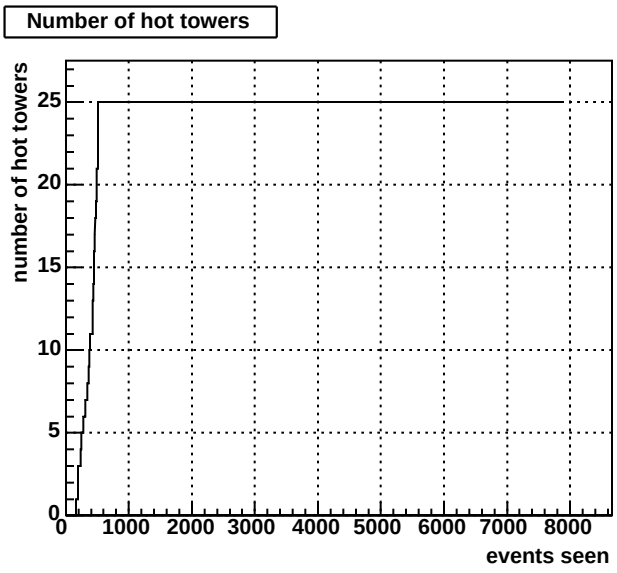

Number of L2 towers
hNumberOfTowersL2
Entries 3964
Mean 26.97
RMS 14.12
Underflow 0
Overflow 1

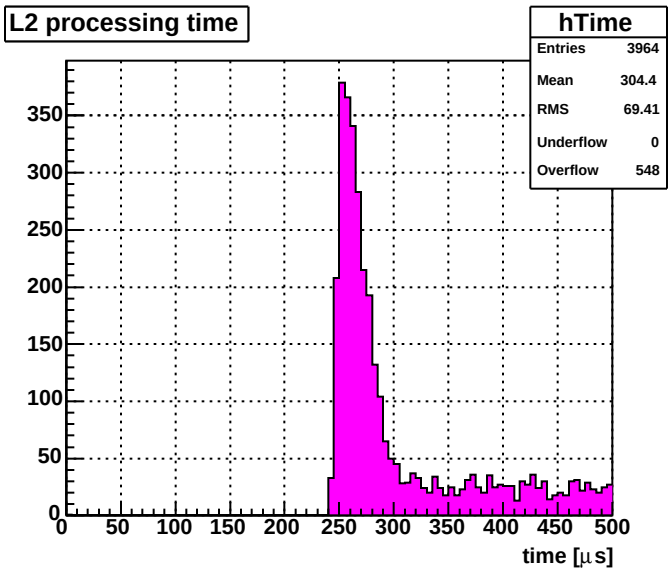

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3964
Mean 7.691
RMS 2.326
Underflow 0
Overflow 12
χ² / ndf 71.21 / 43
Constant 8.133 ± 0.074
Slope -0.431 ± 0.009
E [GeV]

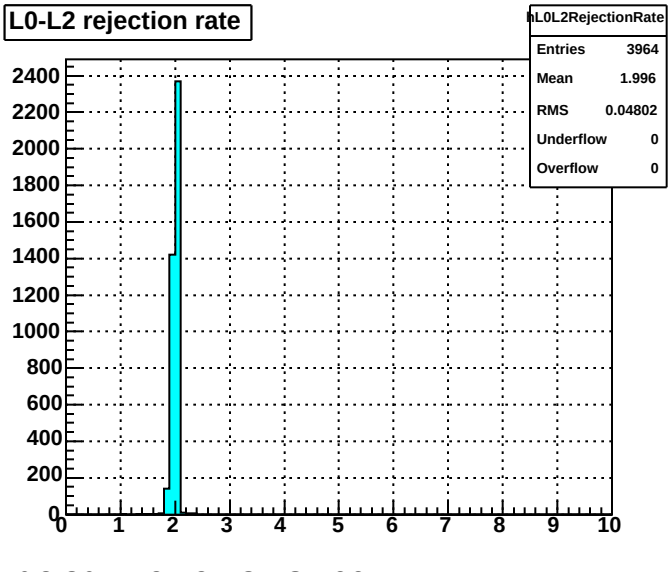

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3964
Mean 3.61
RMS 0.649
Underflow 0
Overflow 0
χ² / ndf 31.34 / 22
Constant 12.27 ± 0.10
Slope -1.691 ± 0.028
E [GeV]

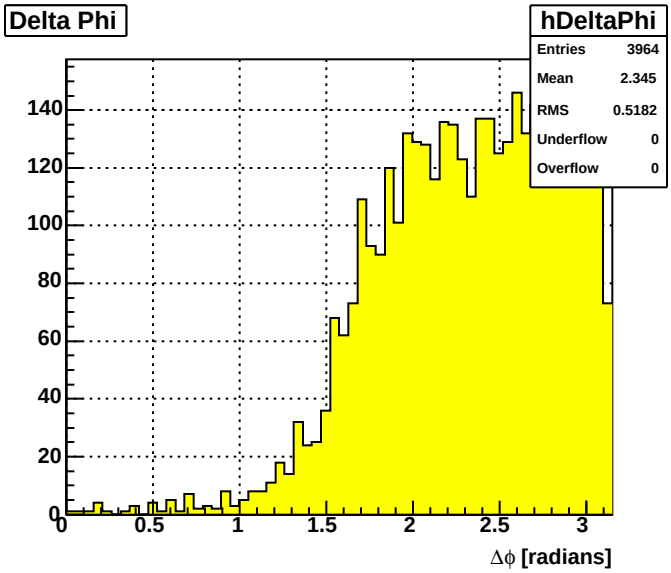

Invariant mass
hInvMass
Entries 3964
Mean 9.061
RMS 1.665
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

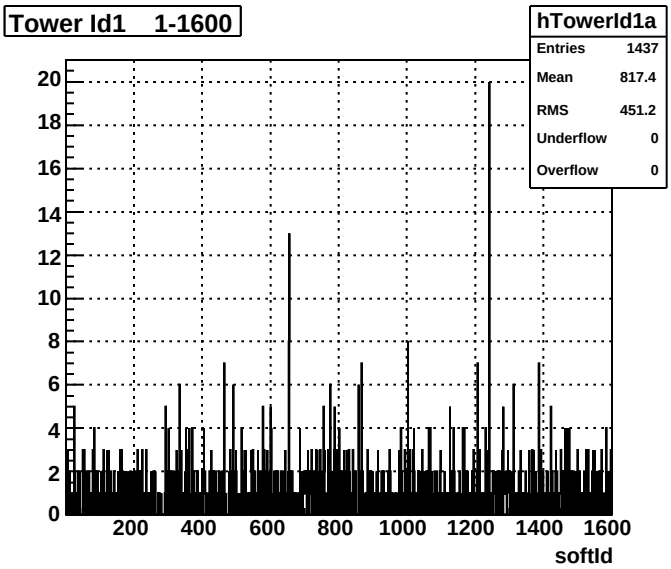

Opening angle
hCosTheta
Entries 3964
Mean -0.5328
RMS 0.2848
Underflow 0
Overflow 0
cos θ

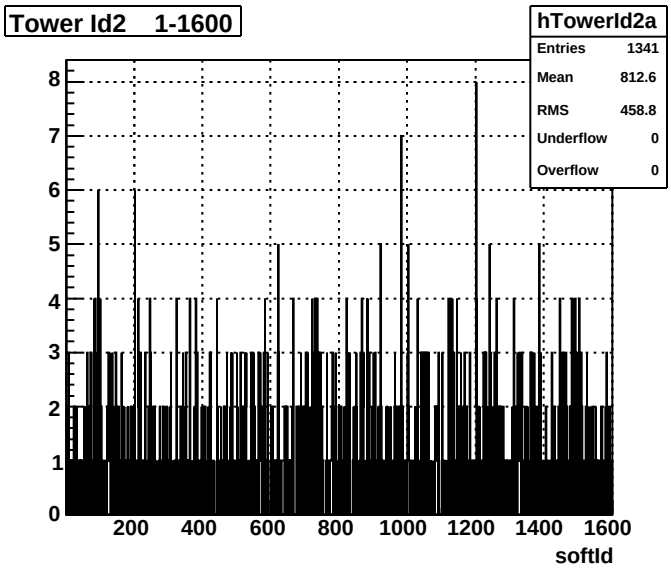

Number of hot towers
number of hot towers
events seen

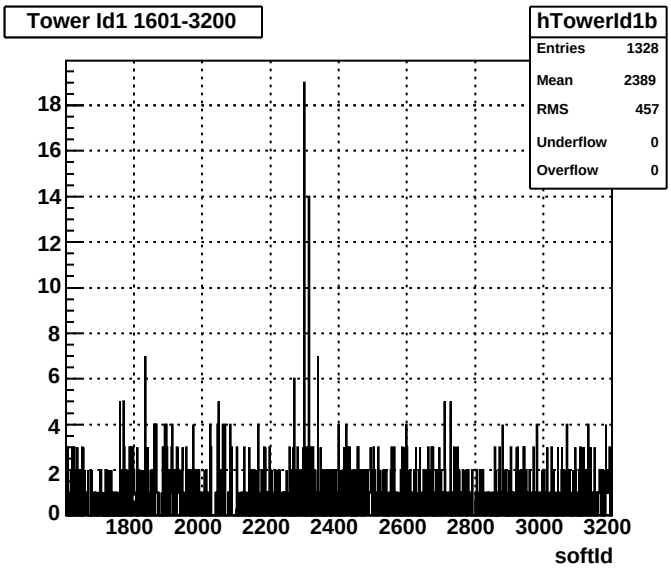

L2 processing time
hTime
Entries 3964
Mean 304.4
RMS 69.41
Underflow 0
Overflow 548
time [μs]

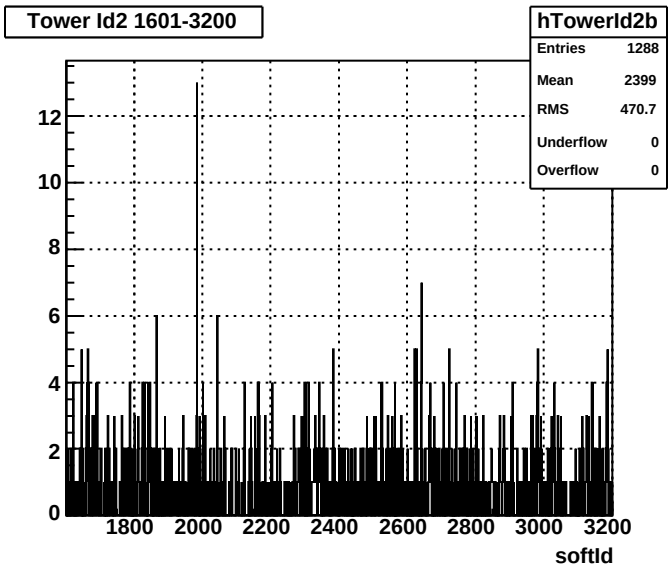

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3964
Mean 1.996
RMS 0.04802
Underflow 0
Overflow 0

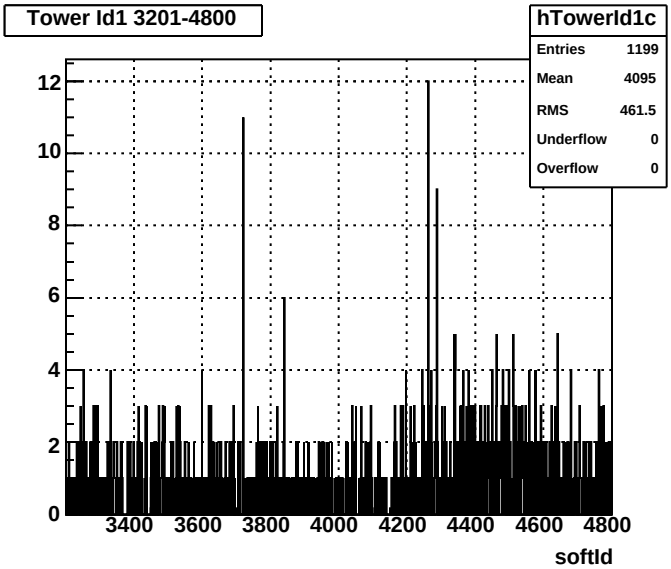

Delta Phi
hDeltaPhi
Entries 3964
Mean 2.345
RMS 0.5182
Underflow 0
Overflow 0
Δφ [radians]

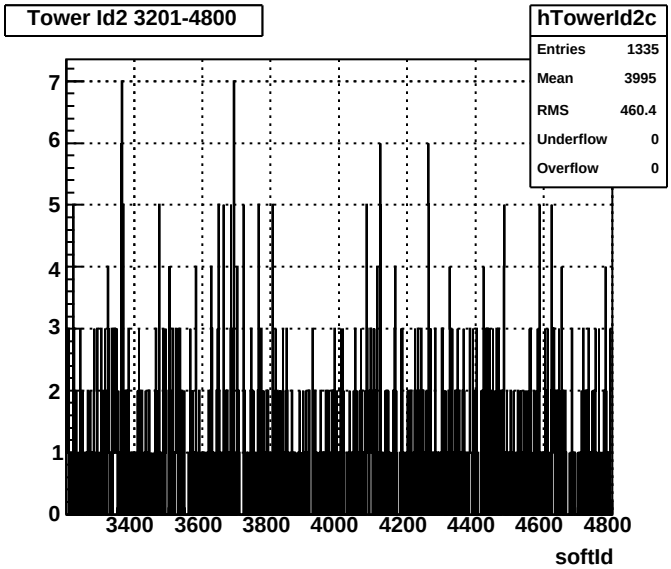

Tower Id1 1-1600
hTowerId1a
Entries 1437
Mean 817.4
RMS 451.2
Underflow 0
Overflow 0
softId

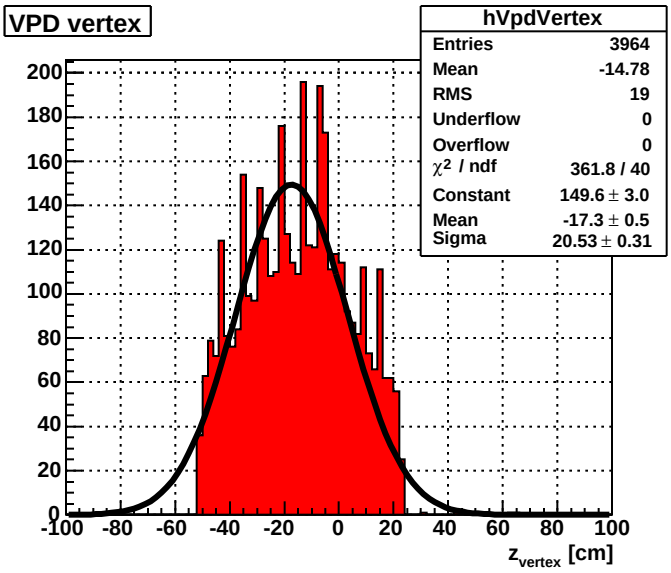

Tower Id2 1-1600
hTowerId2a
Entries 1341
Mean 812.6
RMS 458.8
Underflow 0
Overflow 0
softId

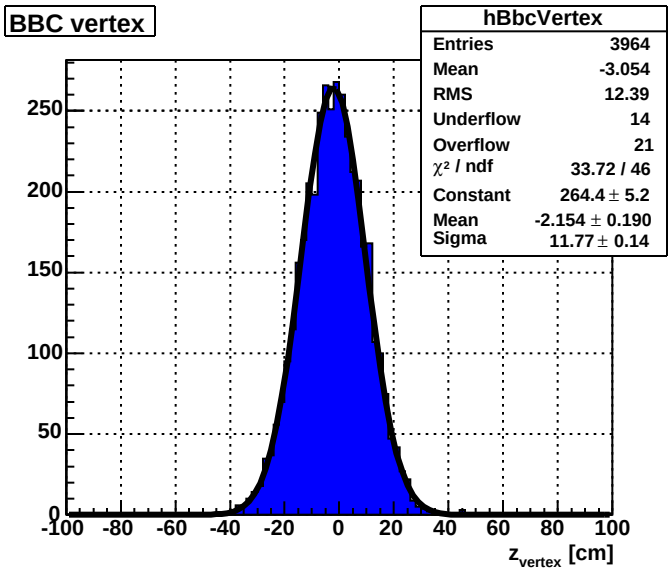

Tower Id1 1601-3200
hTowerId1b
Entries 1328
Mean 2389
RMS 457
Underflow 0
Overflow 0
softId

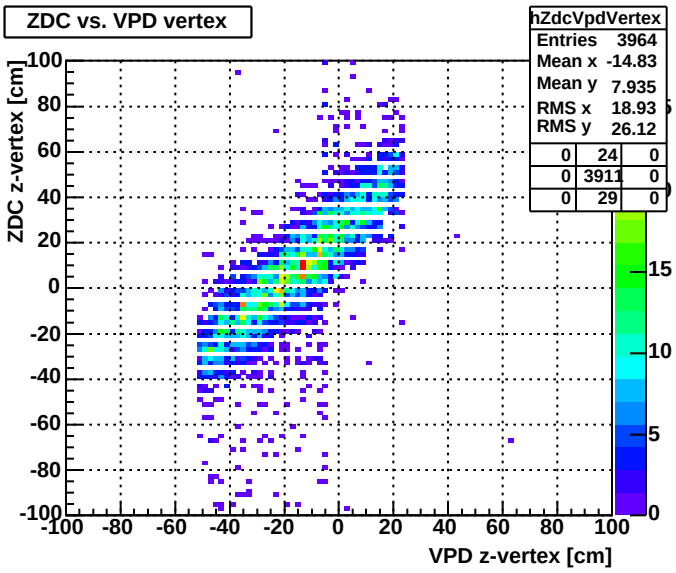

Tower Id2 1601-3200
hTowerId2b
Entries 1288
Mean 2399
RMS 470.7
Underflow 0
Overflow 0
softId

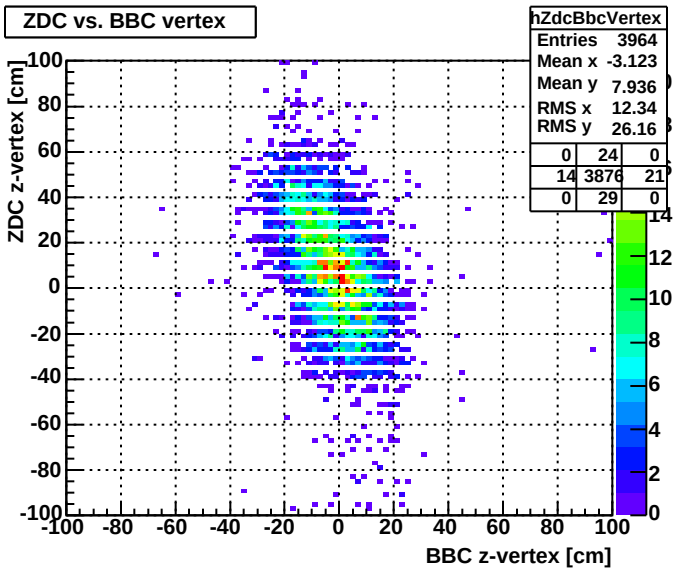

Tower Id1 3201-4800
hTowerId1c
Entries 1199
Mean 4095
RMS 461.5
Underflow 0
Overflow 0
softId

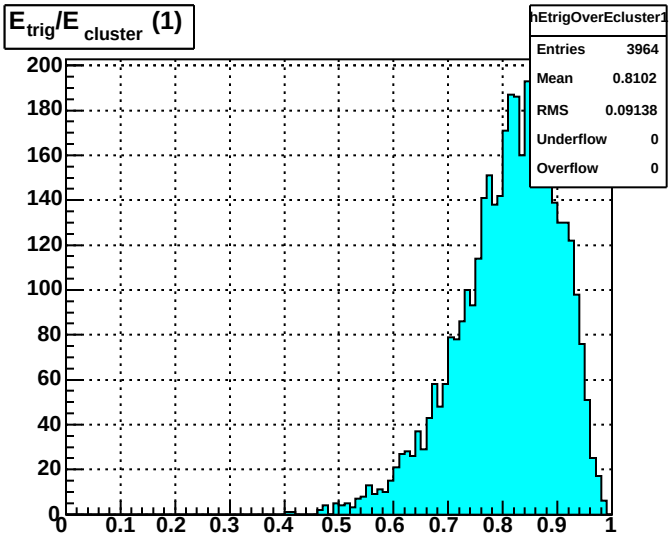

Tower Id2 3201-4800
hTowerId2c
Entries 1335
Mean 3995
RMS 460.4
Underflow 0
Overflow 0
softId

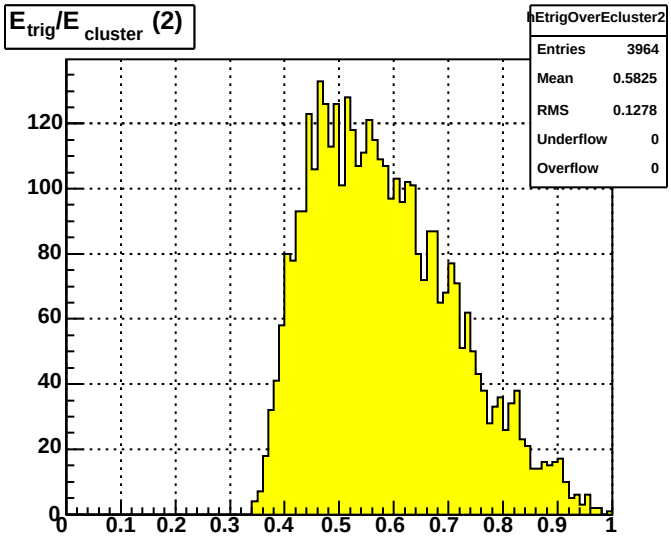

VPD vertex
hVpdVertex
Entries 3964
Mean -14.78
RMS 19
Underflow 0
Overflow 0
χ² / ndf 361.8 / 40
Constant 149.6 ± 3.0
Mean -17.3 ± 0.5
Sigma 20.53 ± 0.31
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3964
Mean -3.054
RMS 12.39
Underflow 14
Overflow 21
χ² / ndf 33.72 / 46
Constant 264.4 ± 5.2
Mean -2.154 ± 0.190
Sigma 11.77 ± 0.14
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3964
Mean x -14.83
Mean y 7.935
RMS x 18.93
RMS y 26.12
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3964
Mean x -3.123
Mean y 7.936
RMS x 12.34
RMS y 26.16
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3964
Mean 0.8102
RMS 0.09138
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3964
Mean 0.5825
RMS 0.1278
Underflow 0
Overflow 0