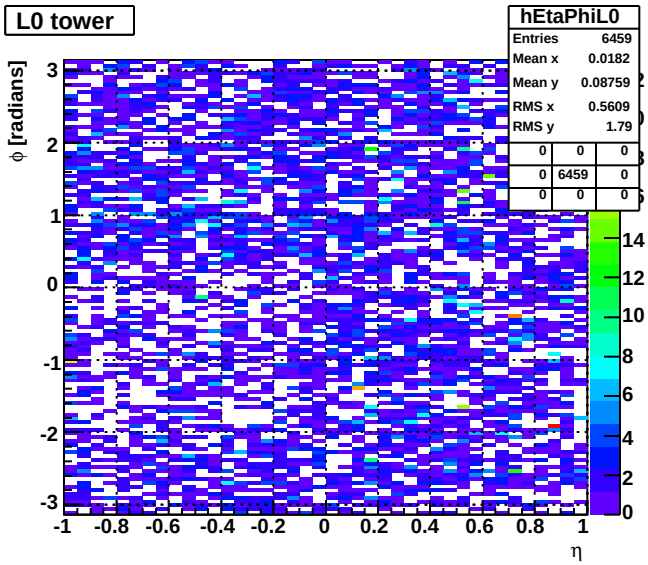
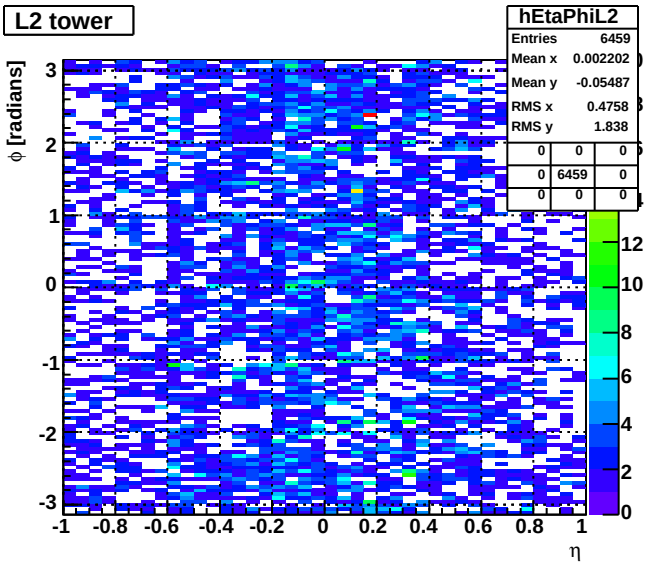
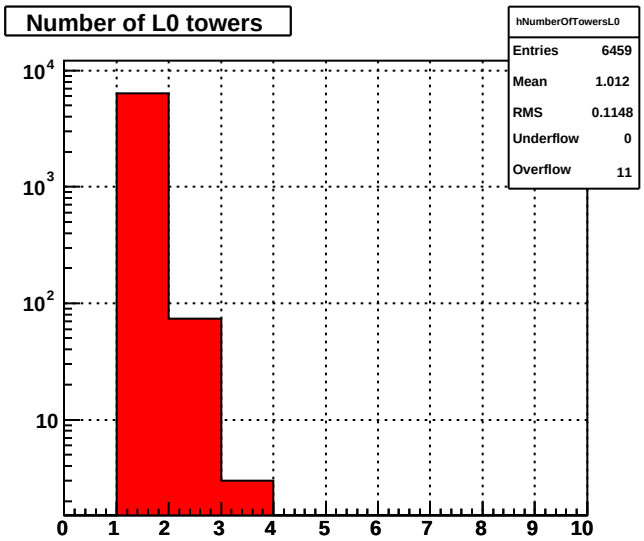
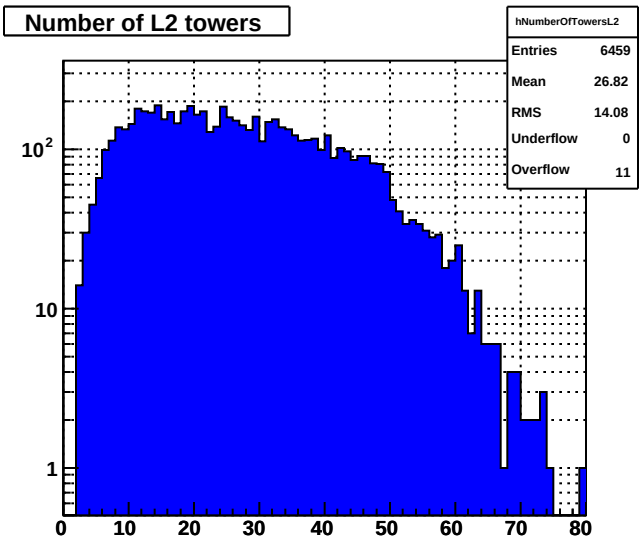
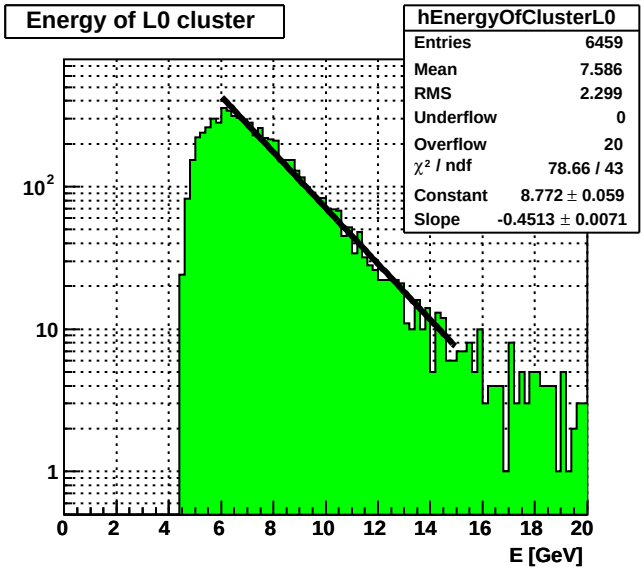
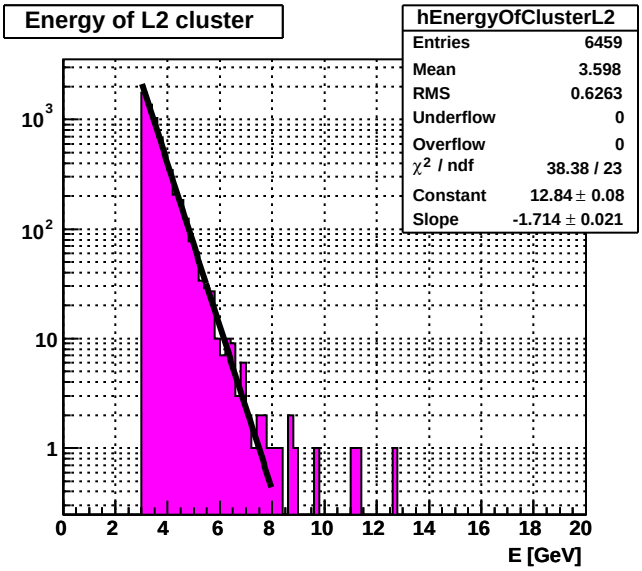

L0 tower
hEtaPhiL0
Entries 6459
Mean x 0.0182
Mean y 0.08759
RMS x 0.5609
RMS y 1.79
φ [radians]
η

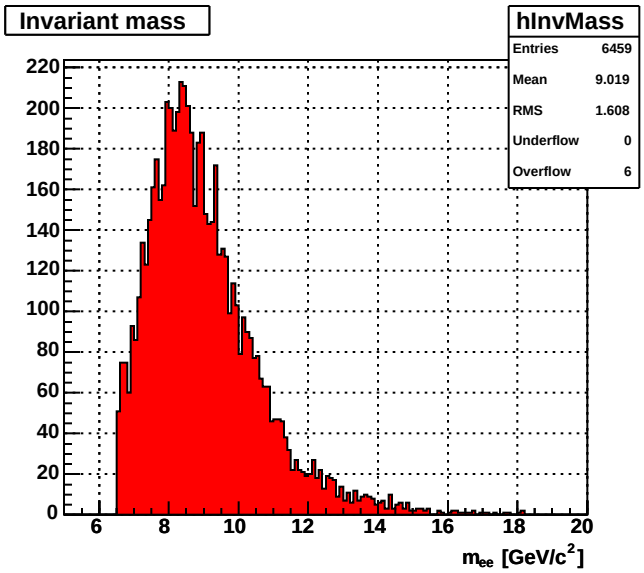

L2 tower
hEtaPhiL2
Entries 6459
Mean x 0.002202
Mean y -0.05487
RMS x 0.4758
RMS y 1.838
φ [radians]
η

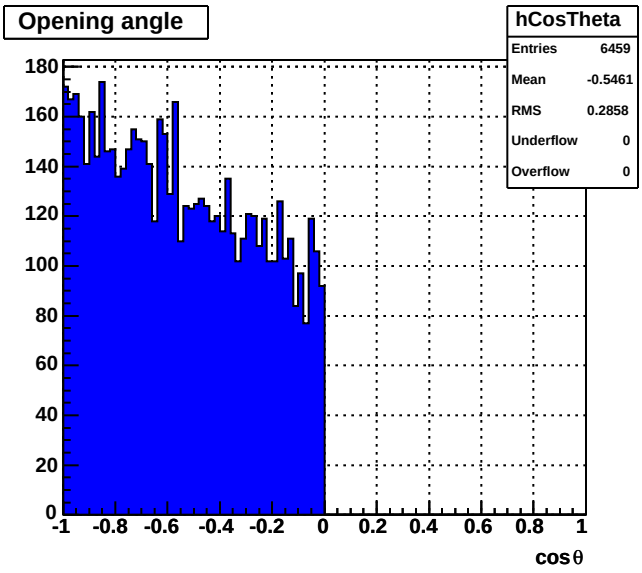

Number of L0 towers
hNumberOfTowersL0
Entries 6459
Mean 1.012
RMS 0.1148
Underflow 0
Overflow 11

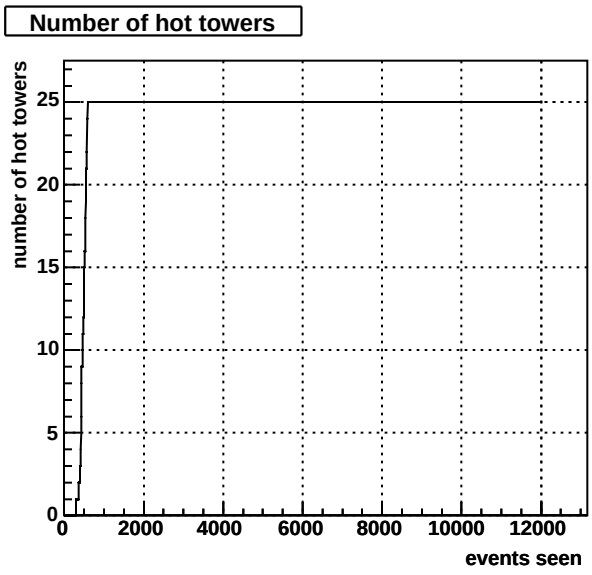

Number of L2 towers
hNumberOfTowersL2
Entries 6459
Mean 26.82
RMS 14.08
Underflow 0
Overflow 11

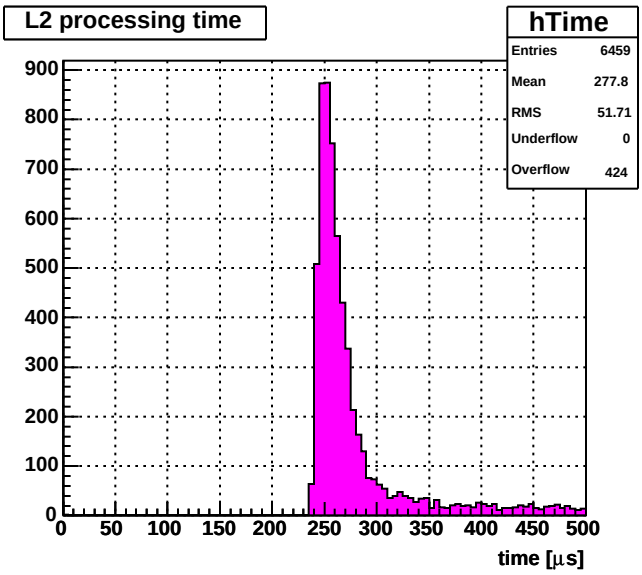

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6459
Mean 7.586
RMS 2.299
Underflow 0
Overflow 20
χ² / ndf 78.66 / 43
Constant 8.772 ± 0.059
Slope -0.4513 ± 0.0071
E [GeV]

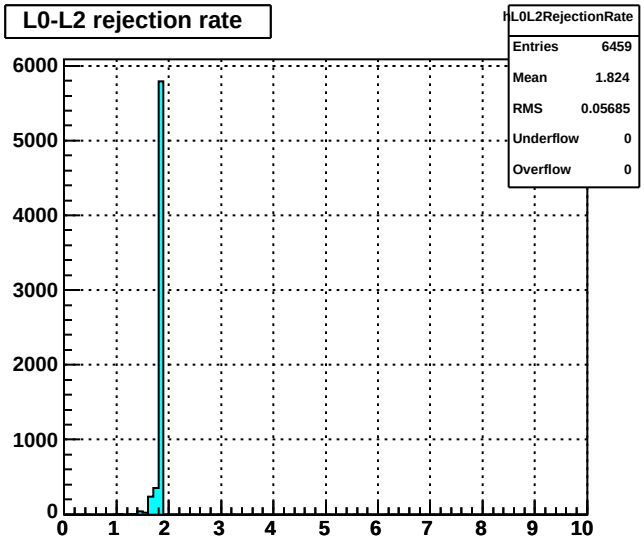

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6459
Mean 3.598
RMS 0.6263
Underflow 0
Overflow 0
χ² / ndf 38.38 / 23
Constant 12.84 ± 0.08
Slope -1.714 ± 0.021
E [GeV]

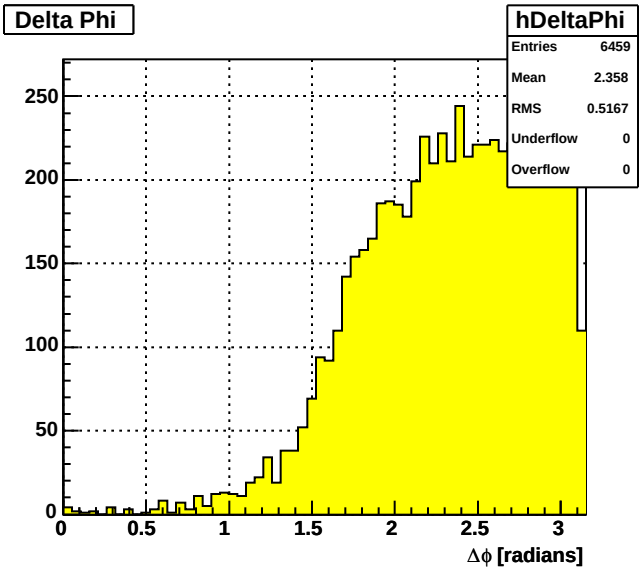

Invariant mass
hInvMass
Entries 6459
Mean 9.019
RMS 1.608
Underflow 0
Overflow 6
$m_{ee}$ [GeV/c$^2$]

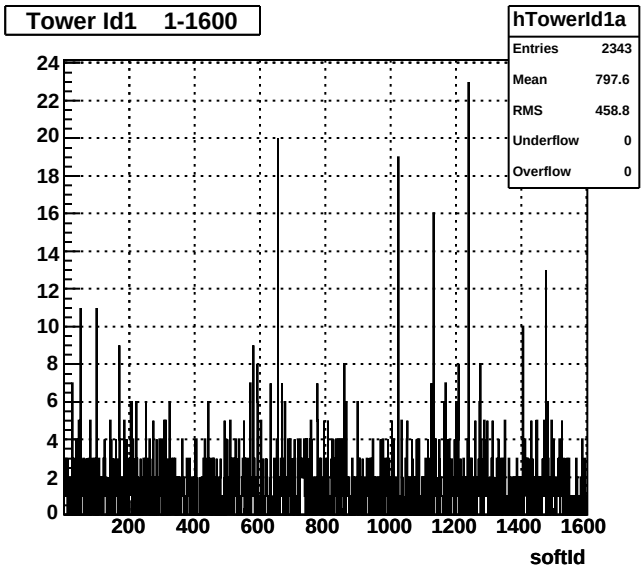

Opening angle
hCosTheta
Entries 6459
Mean -0.5461
RMS 0.2858
Underflow 0
Overflow 0
cos θ

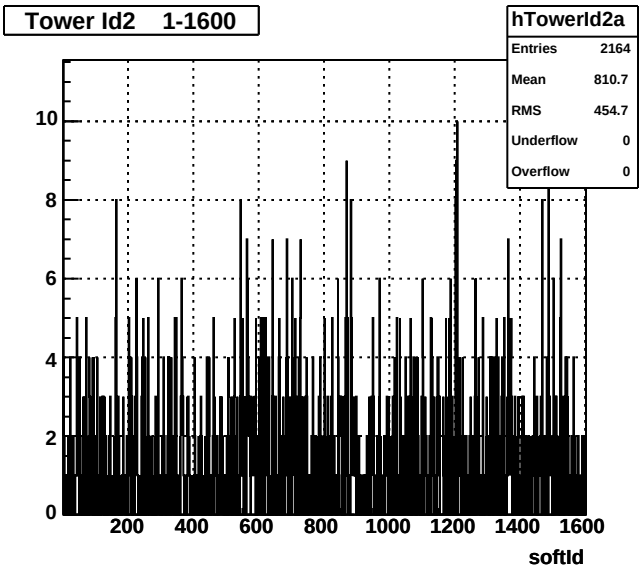

Number of hot towers
number of hot towers
events seen

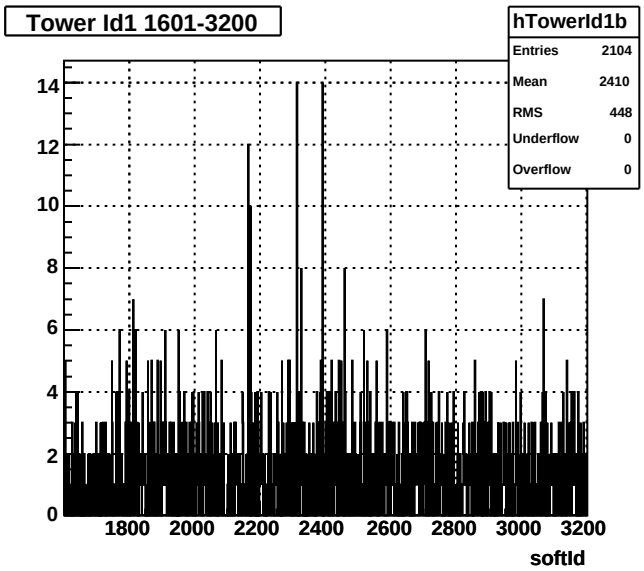

L2 processing time
hTime
Entries 6459
Mean 277.8
RMS 51.71
Underflow 0
Overflow 424
time [μs]

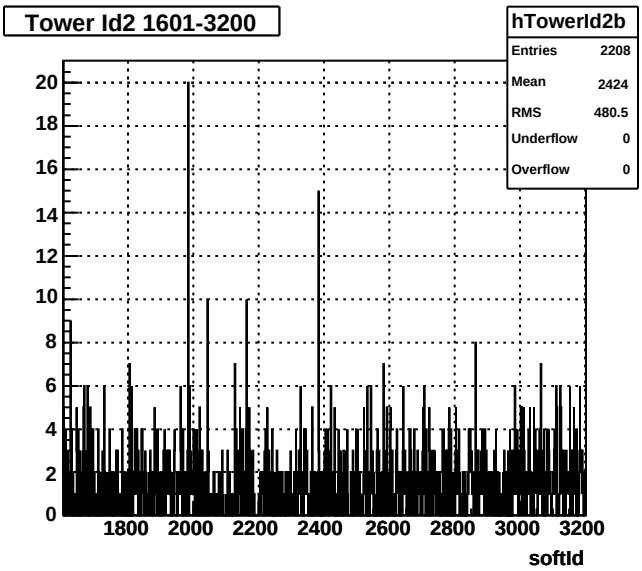

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6459
Mean 1.824
RMS 0.05685
Underflow 0
Overflow 0

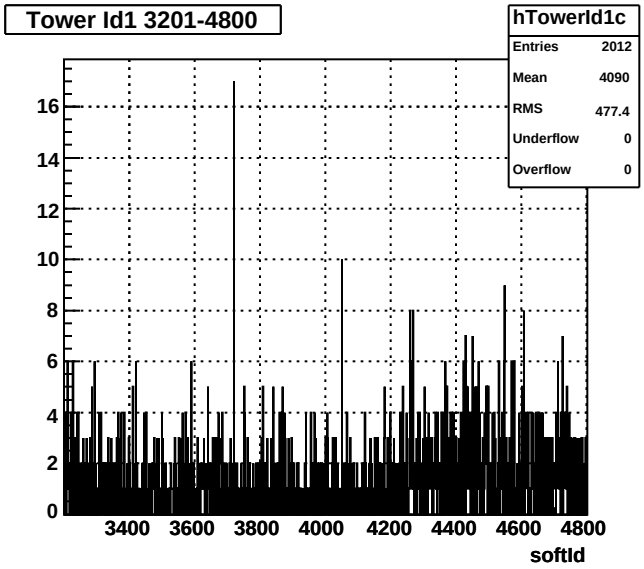

Delta Phi
hDeltaPhi
Entries 6459
Mean 2.358
RMS 0.5167
Underflow 0
Overflow 0
Δφ [radians]

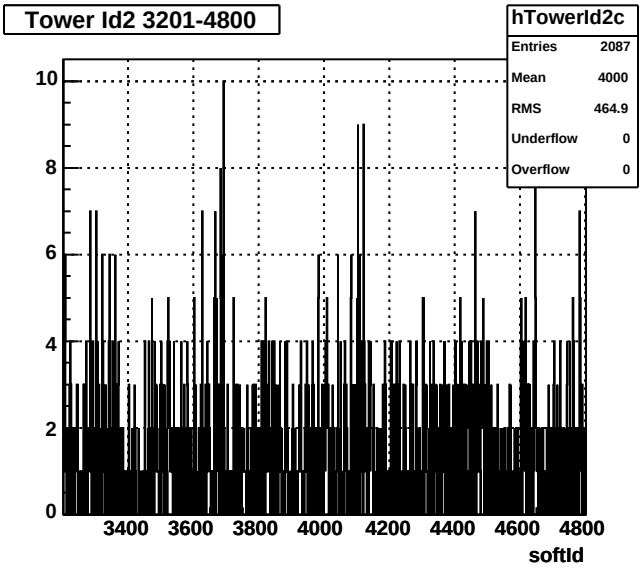

Tower Id1 1-1600
hTowerId1a
Entries 2343
Mean 797.6
RMS 458.8
Underflow 0
Overflow 0
softId

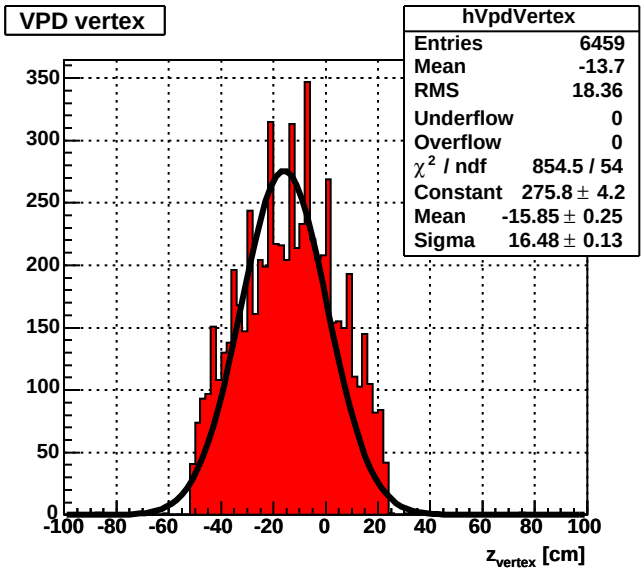

Tower Id2 1-1600
hTowerId2a
Entries 2164
Mean 810.7
RMS 454.7
Underflow 0
Overflow 0
softId

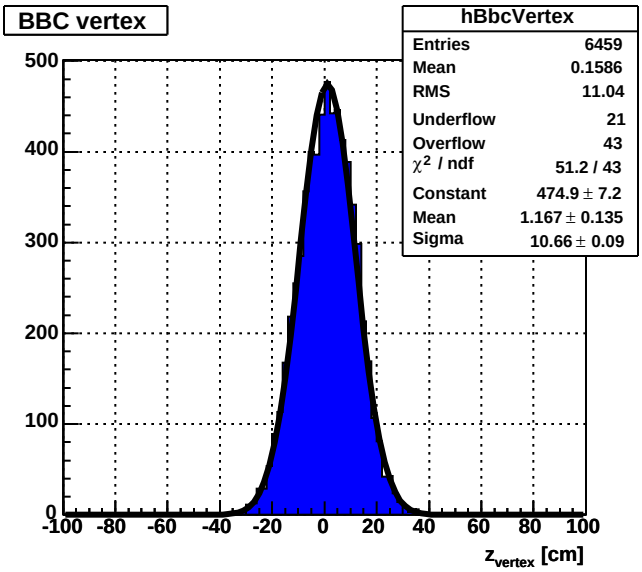

Tower Id1 1601-3200
hTowerId1b
Entries 2104
Mean 2410
RMS 448
Underflow 0
Overflow 0
softId

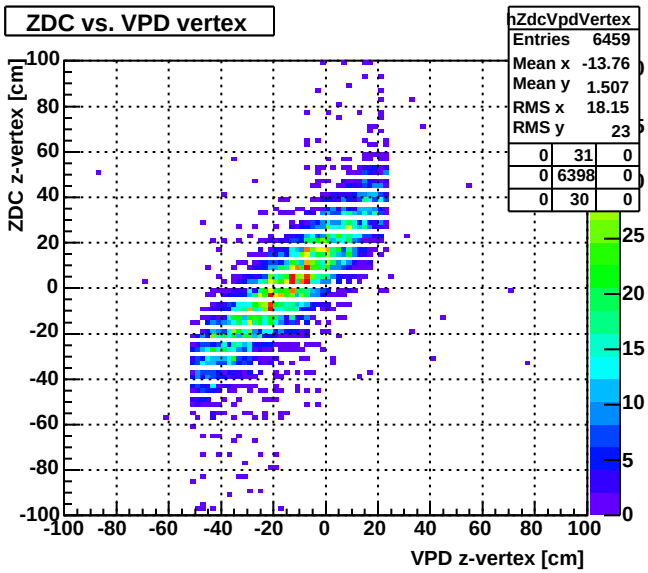

Tower Id2 1601-3200
hTowerId2b
Entries 2208
Mean 2424
RMS 480.5
Underflow 0
Overflow 0
softId

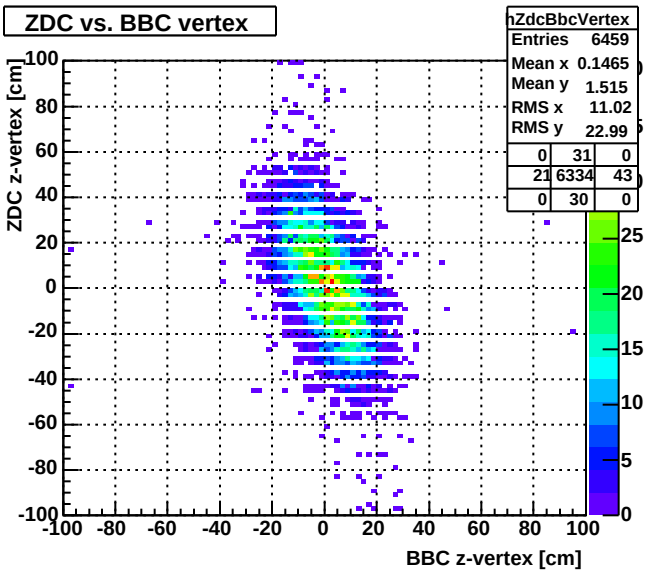

Tower Id1 3201-4800
hTowerId1c
Entries 2012
Mean 4090
RMS 477.4
Underflow 0
Overflow 0
softId

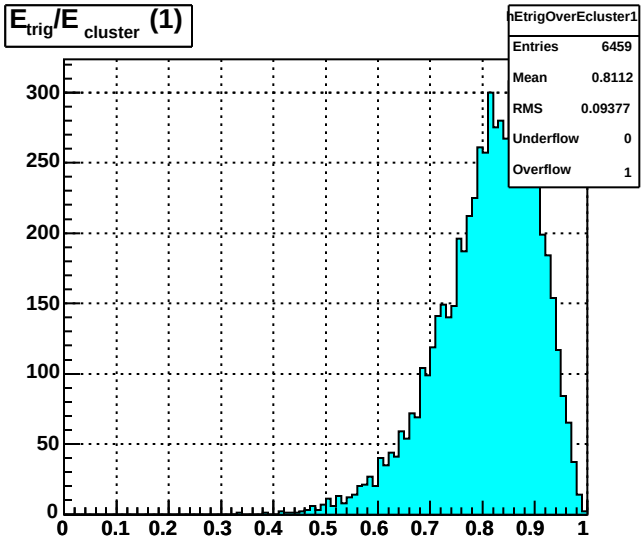

Tower Id2 3201-4800
hTowerId2c
Entries 2087
Mean 4000
RMS 464.9
Underflow 0
Overflow 0
softId

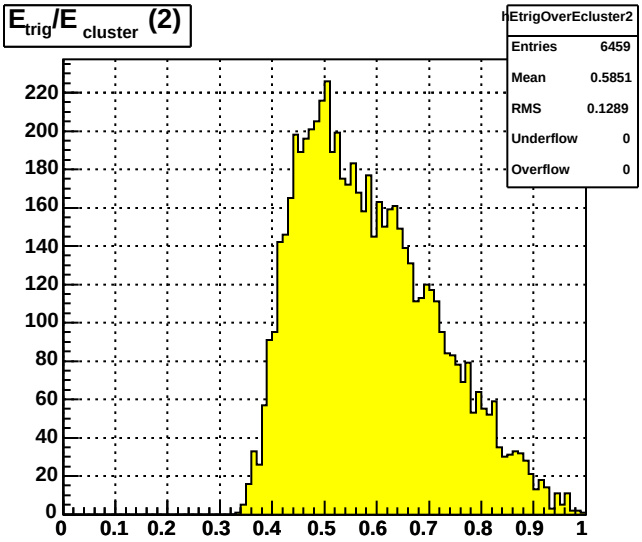

VPD vertex
hVpdVertex
Entries 6459
Mean -13.7
RMS 18.36
Underflow 0
Overflow 0
χ² / ndf 854.5 / 54
Constant 275.8 ± 4.2
Mean -15.85 ± 0.25
Sigma 16.48 ± 0.13
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6459
Mean 0.1586
RMS 11.04
Underflow 21
Overflow 43
χ² / ndf 51.2 / 43
Constant 474.9 ± 7.2
Mean 1.167 ± 0.135
Sigma 10.66 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6459
Mean x -13.76
Mean y 1.507
RMS x 18.15
RMS y 23
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6459
Mean x 0.1465
Mean y 1.515
RMS x 11.02
RMS y 22.99
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6459
Mean 0.8112
RMS 0.09377
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6459
Mean 0.5851
RMS 0.1289
Underflow 0
Overflow 0