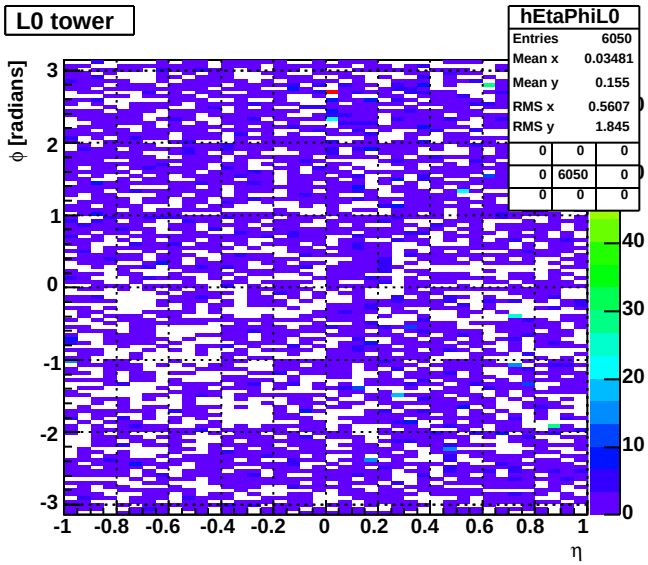
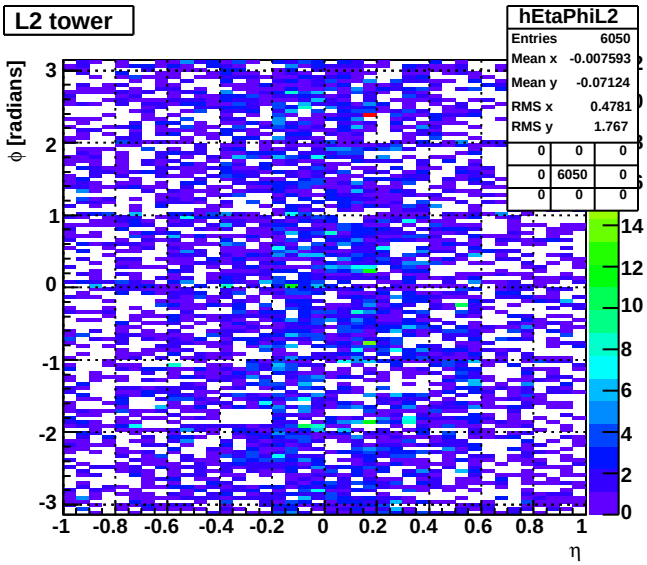
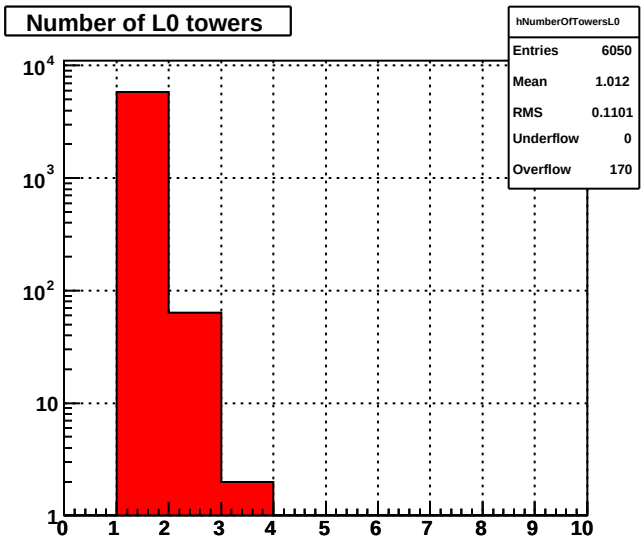
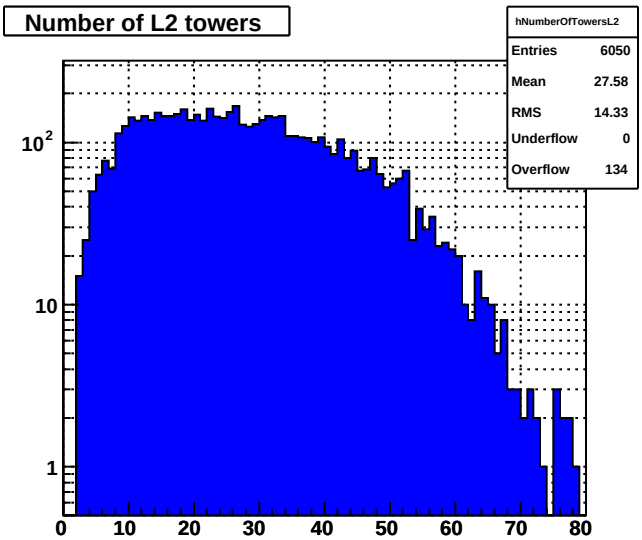
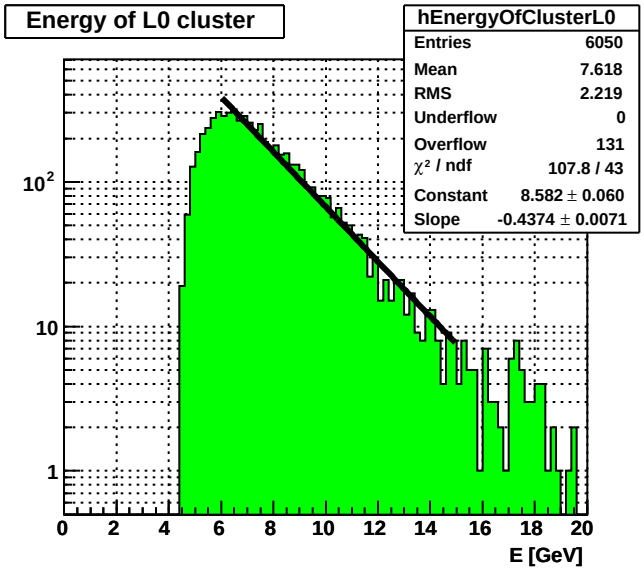
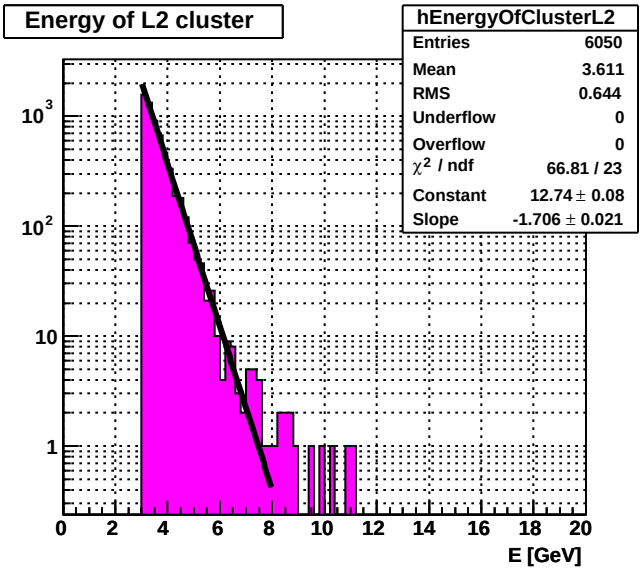

L0 tower
hEtaPhiL0
Entries 6050
Mean x 0.03481
Mean y 0.155
RMS x 0.5607
RMS y 1.845
φ [radians]
η

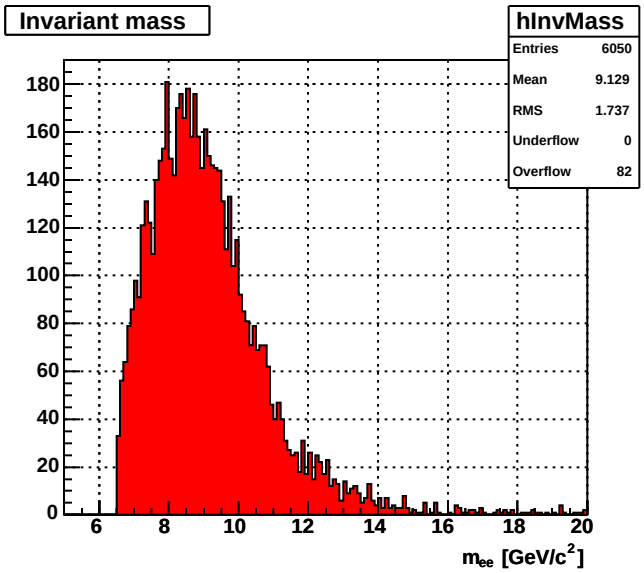

L2 tower
hEtaPhiL2
Entries 6050
Mean x -0.007593
Mean y -0.07124
RMS x 0.4781
RMS y 1.767
φ [radians]
η

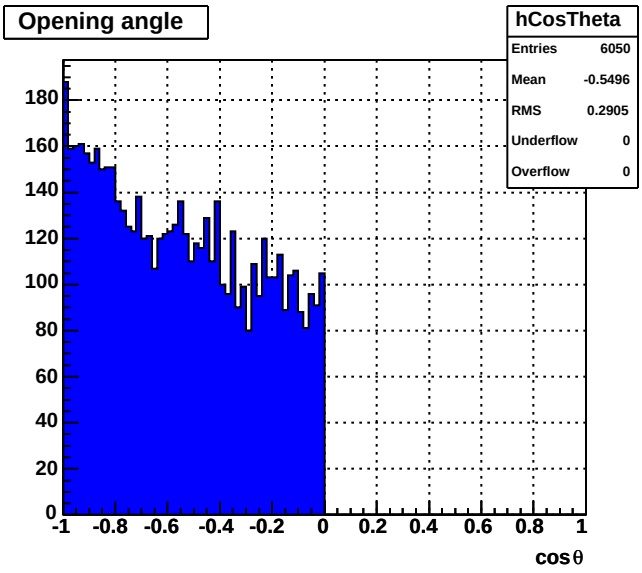

Number of L0 towers
hNumberOfTowersL0
Entries 6050
Mean 1.012
RMS 0.1101
Underflow 0
Overflow 170

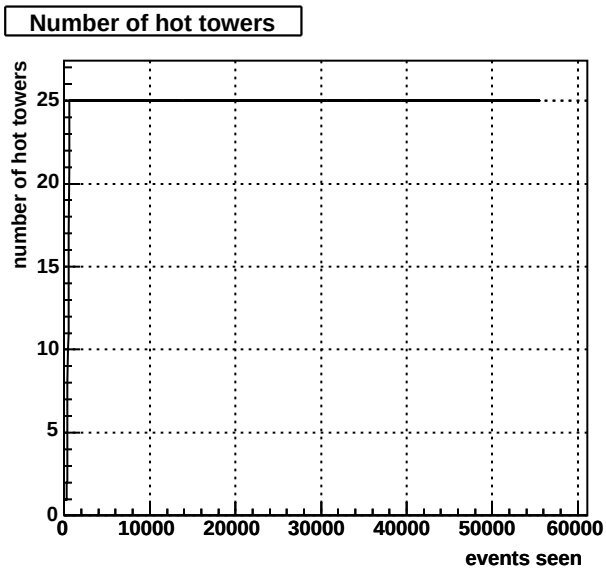

Number of L2 towers
hNumberOfTowersL2
Entries 6050
Mean 27.58
RMS 14.33
Underflow 0
Overflow 134

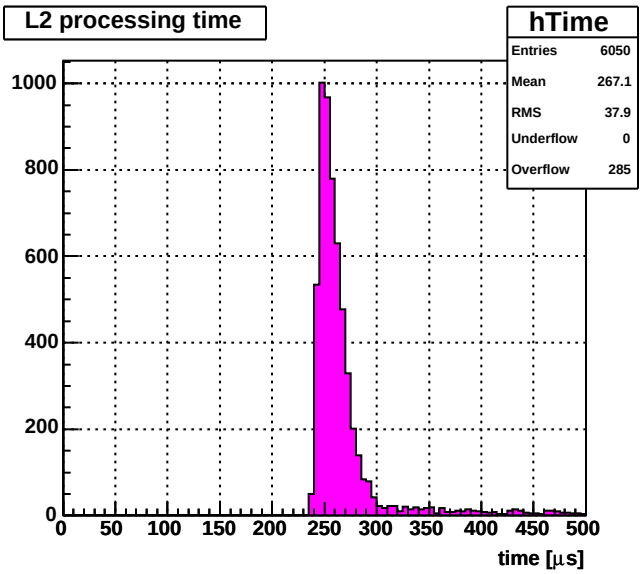

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6050
Mean 7.618
RMS 2.219
Underflow 0
Overflow 131
χ² / ndf 107.8 / 43
Constant 8.582 ± 0.060
Slope -0.4374 ± 0.0071
E [GeV]

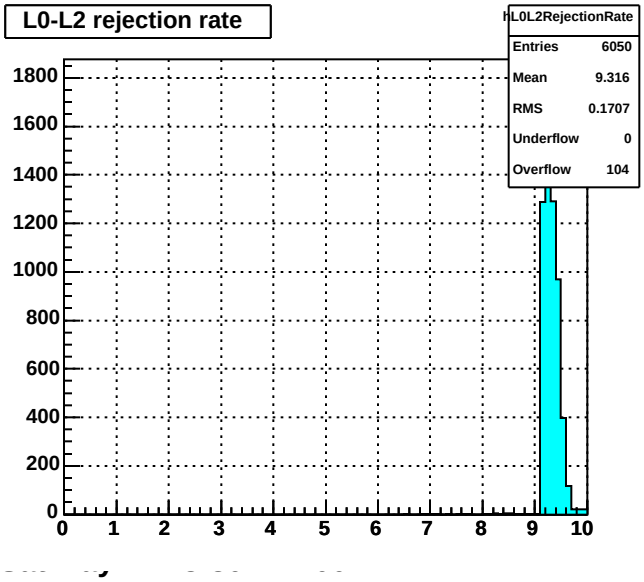

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6050
Mean 3.611
RMS 0.644
Underflow 0
Overflow 0
χ² / ndf 66.81 / 23
Constant 12.74 ± 0.08
Slope -1.706 ± 0.021
E [GeV]

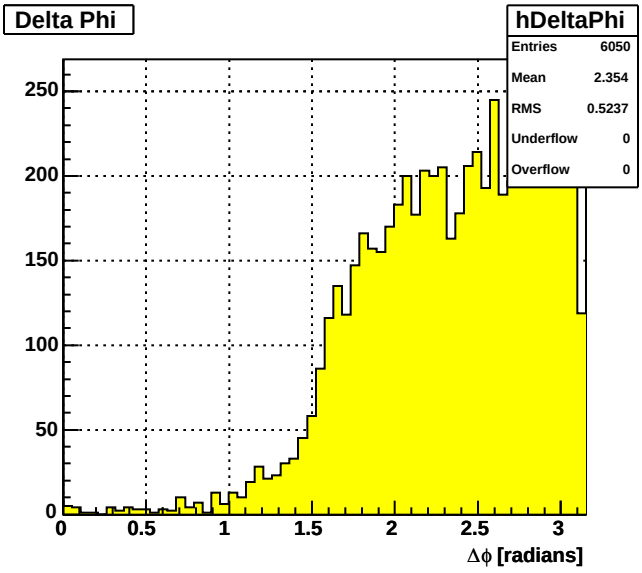

Invariant mass
hInvMass
Entries 6050
Mean 9.129
RMS 1.737
Underflow 0
Overflow 82
m_{ee} [GeV/c^2]

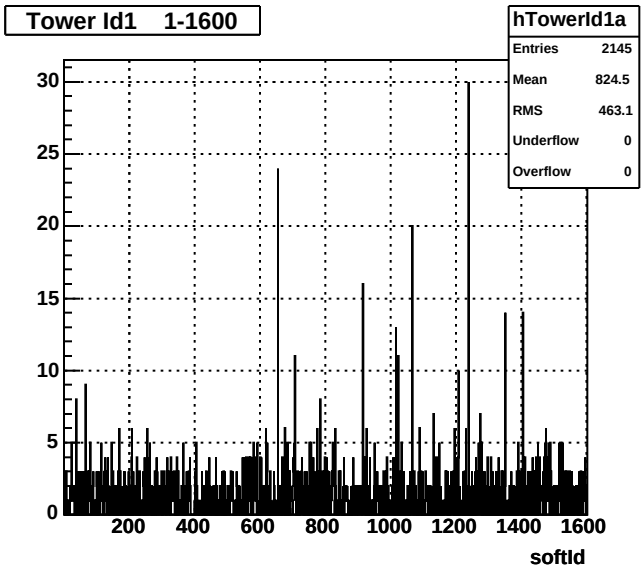

Opening angle
hCosTheta
Entries 6050
Mean -0.5496
RMS 0.2905
Underflow 0
Overflow 0
cos θ

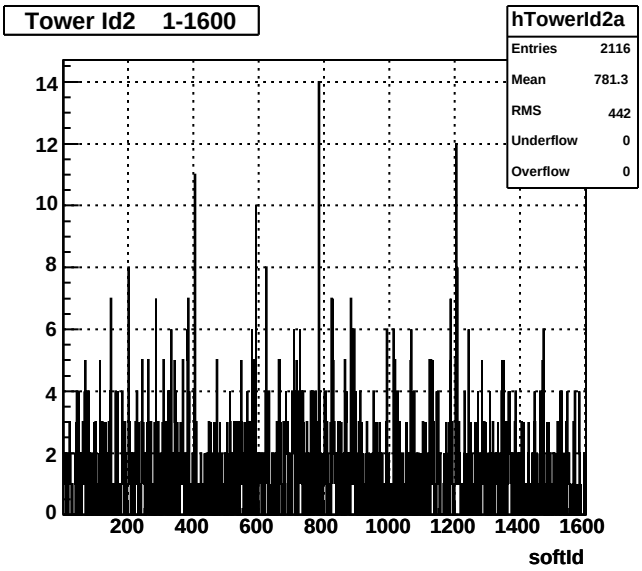

Number of hot towers
number of hot towers
events seen

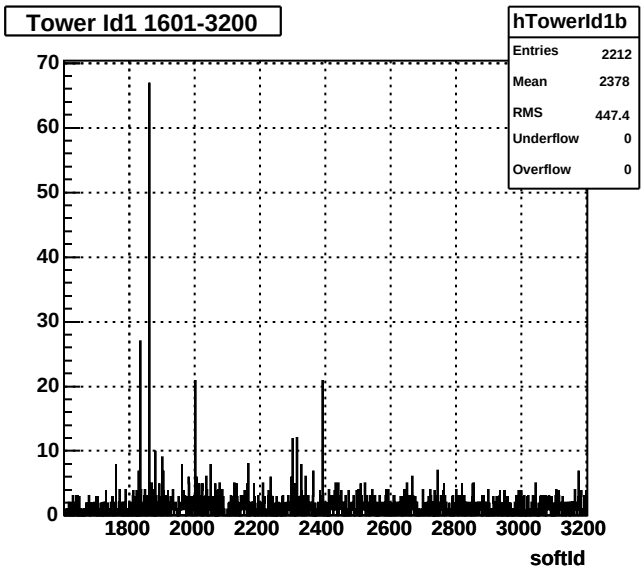

L2 processing time
hTime
Entries 6050
Mean 267.1
RMS 37.9
Underflow 0
Overflow 285
time [μs]

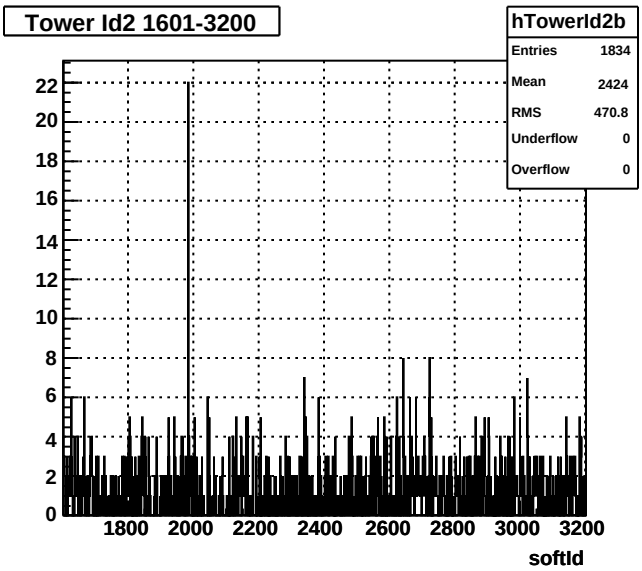

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6050
Mean 9.316
RMS 0.1707
Underflow 0
Overflow 104

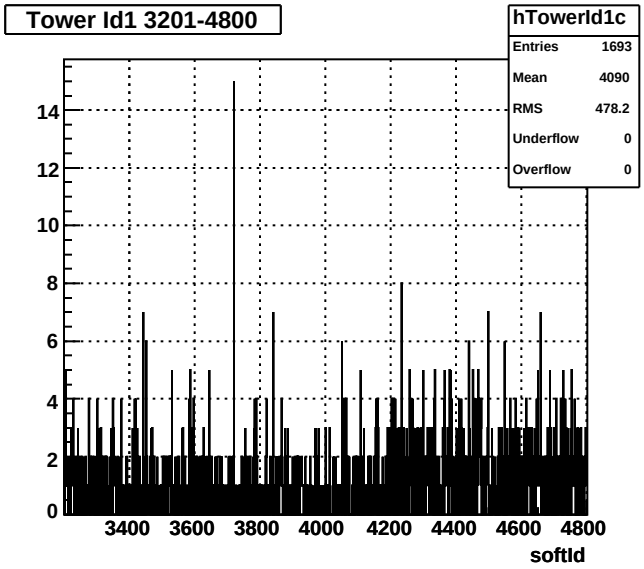

Delta Phi
hDeltaPhi
Entries 6050
Mean 2.354
RMS 0.5237
Underflow 0
Overflow 0
Δφ [radians]

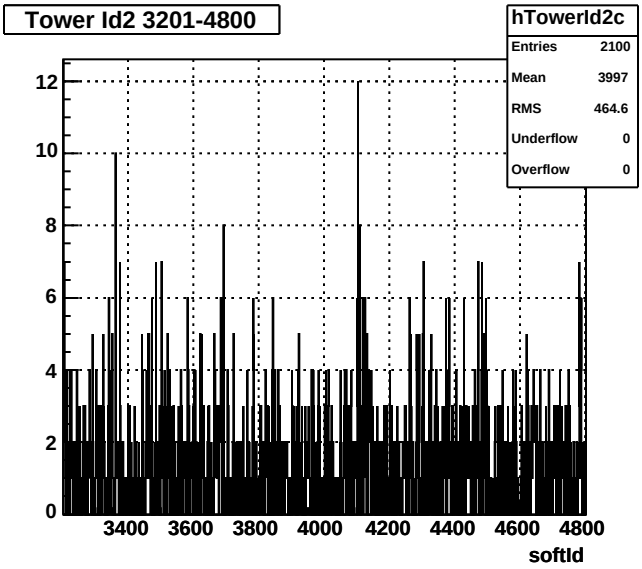

Tower Id1 1-1600
hTowerId1a
Entries 2145
Mean 824.5
RMS 463.1
Underflow 0
Overflow 0
softId

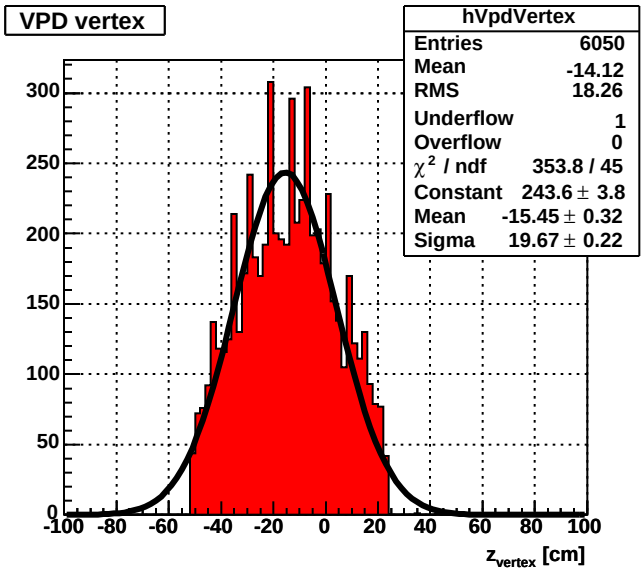

Tower Id2 1-1600
hTowerId2a
Entries 2116
Mean 781.3
RMS 442
Underflow 0
Overflow 0
softId

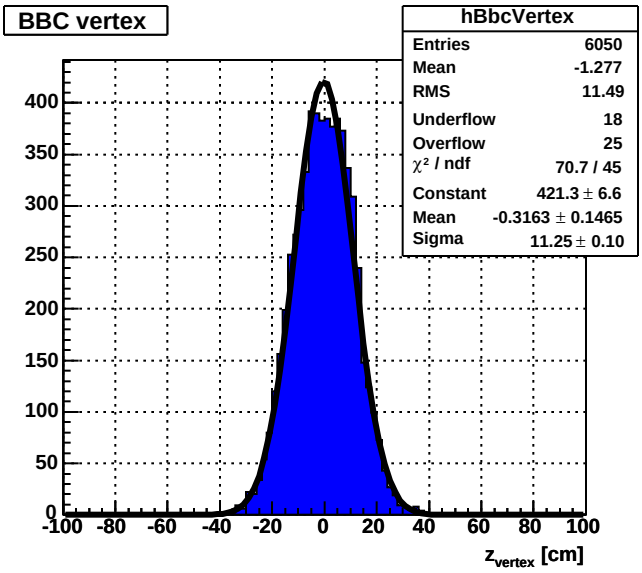

Tower Id1 1601-3200
hTowerId1b
Entries 2212
Mean 2378
RMS 447.4
Underflow 0
Overflow 0
softId

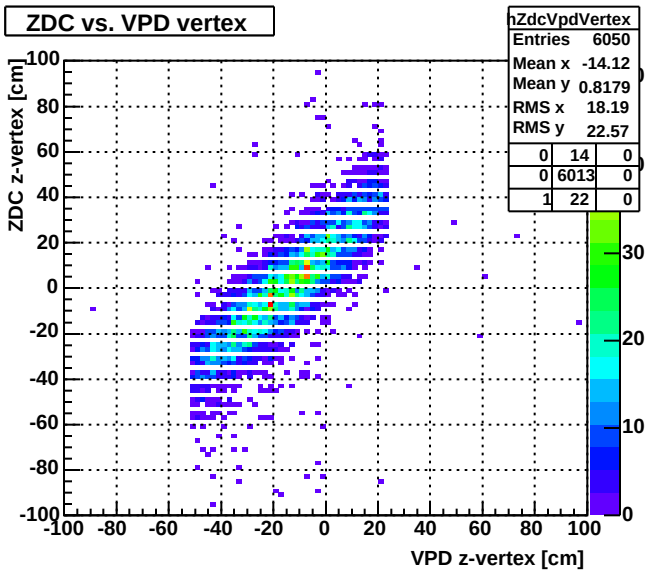

Tower Id2 1601-3200
hTowerId2b
Entries 1834
Mean 2424
RMS 470.8
Underflow 0
Overflow 0
softId

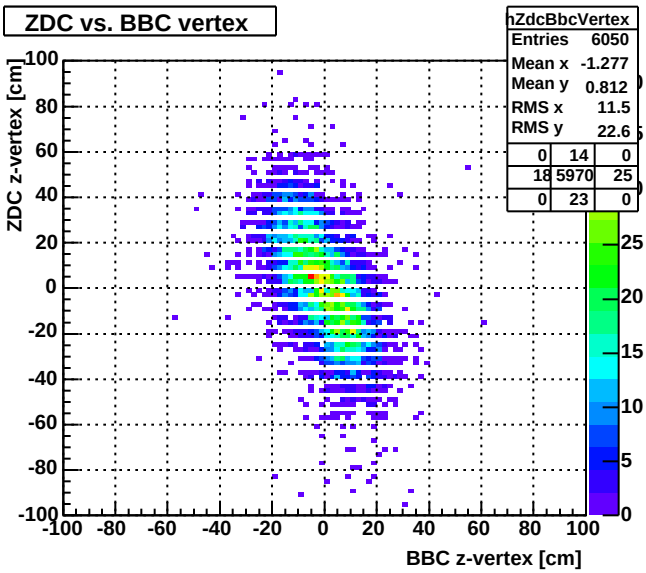

Tower Id1 3201-4800
hTowerId1c
Entries 1693
Mean 4090
RMS 478.2
Underflow 0
Overflow 0
softId

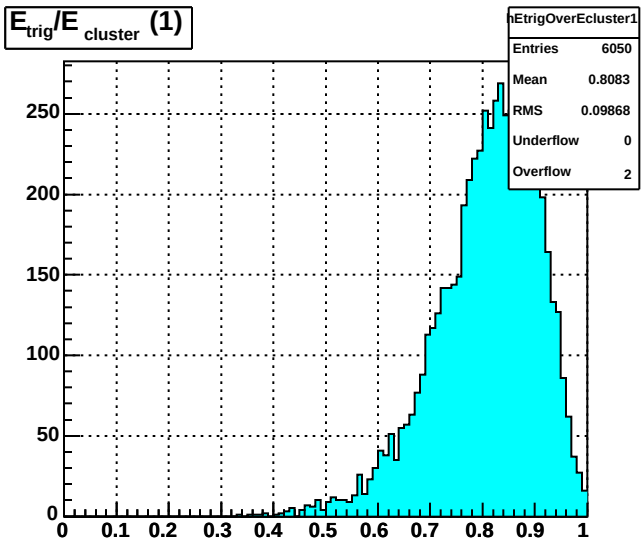

Tower Id2 3201-4800
hTowerId2c
Entries 2100
Mean 3997
RMS 464.6
Underflow 0
Overflow 0
softId

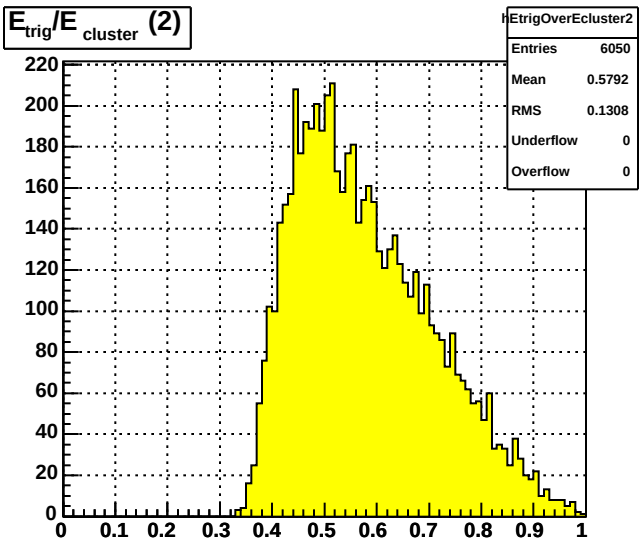

VPD vertex
hVpdVertex
Entries 6050
Mean -14.12
RMS 18.26
Underflow 1
Overflow 0
χ² / ndf 353.8 / 45
Constant 243.6 ± 3.8
Mean -15.45 ± 0.32
Sigma 19.67 ± 0.22
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6050
Mean -1.277
RMS 11.49
Underflow 18
Overflow 25
χ² / ndf 70.7 / 45
Constant 421.3 ± 6.6
Mean -0.3163 ± 0.1465
Sigma 11.25 ± 0.10
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6050
Mean x -14.12
Mean y 0.8179
RMS x 18.19
RMS y 22.57
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6050
Mean x -1.277
Mean y 0.812
RMS x 11.5
RMS y 22.6
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6050
Mean 0.8083
RMS 0.09868
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6050
Mean 0.5792
RMS 0.1308
Underflow 0
Overflow 0