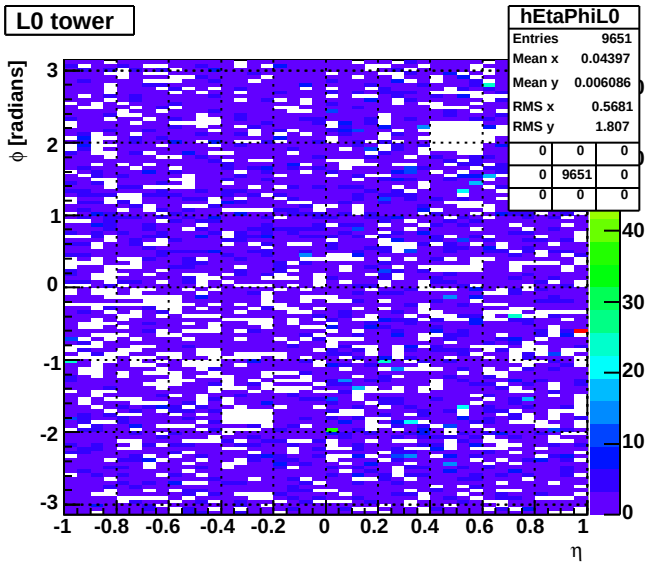
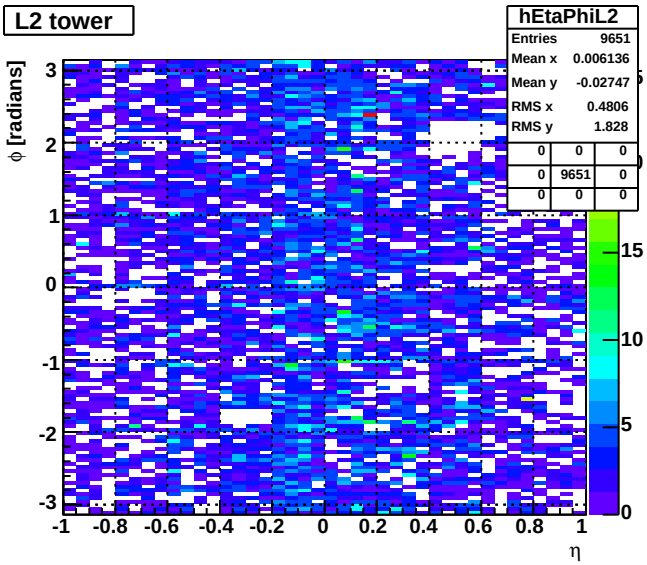
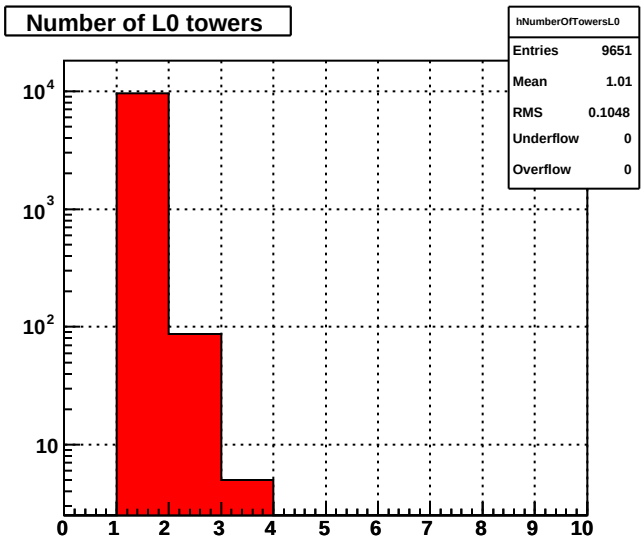
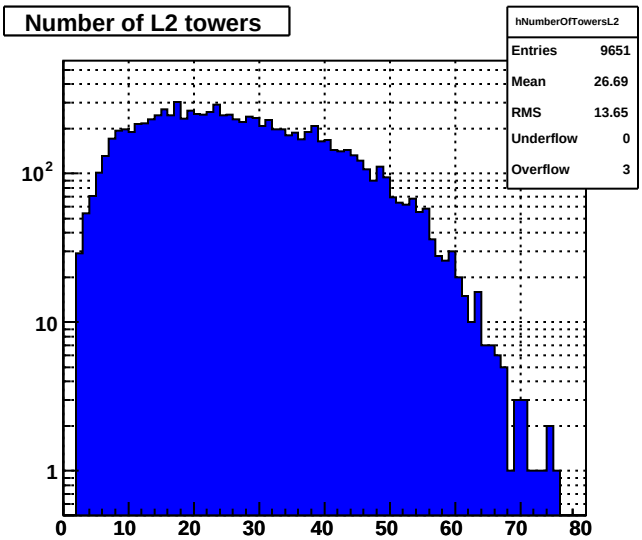
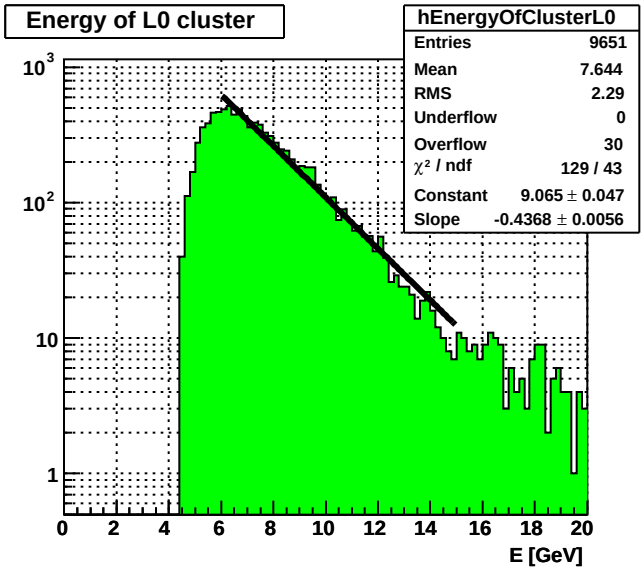
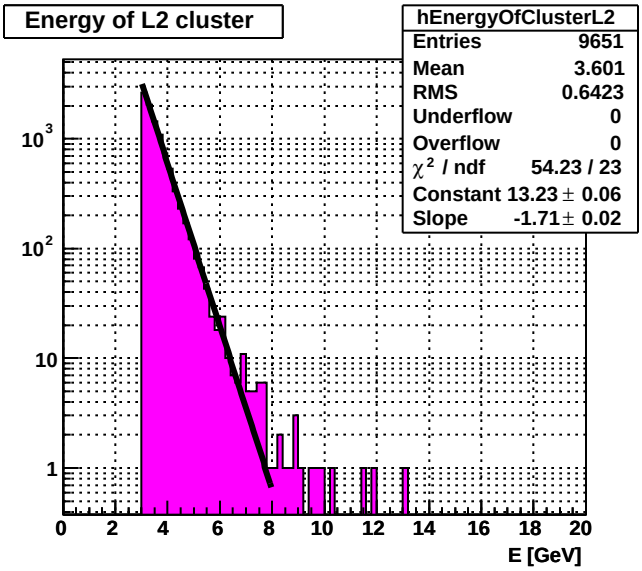

L0 tower
hEtaPhiL0
Entries 9651
Mean x 0.04397
Mean y 0.006086
RMS x 0.5681
RMS y 1.807
φ [radians]
η

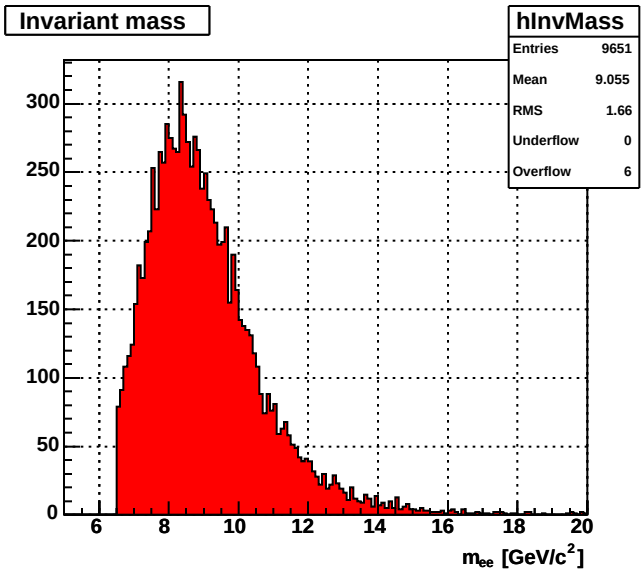

L2 tower
hEtaPhiL2
Entries 9651
Mean x 0.006136
Mean y -0.02747
RMS x 0.4806
RMS y 1.828
φ [radians]
η

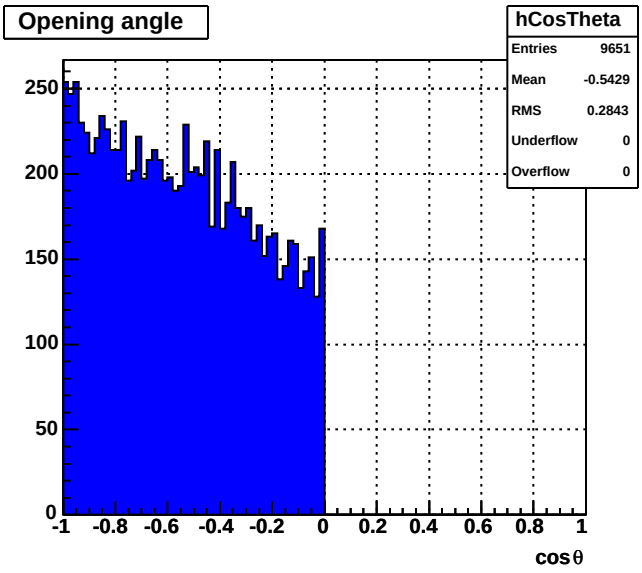

Number of L0 towers
hNumberOfTowersL0
Entries 9651
Mean 1.01
RMS 0.1048
Underflow 0
Overflow 0

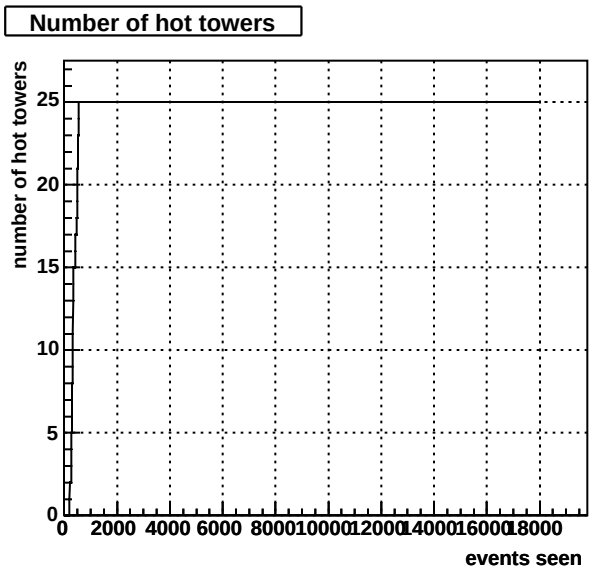

Number of L2 towers
hNumberOfTowersL2
Entries 9651
Mean 26.69
RMS 13.65
Underflow 0
Overflow 3

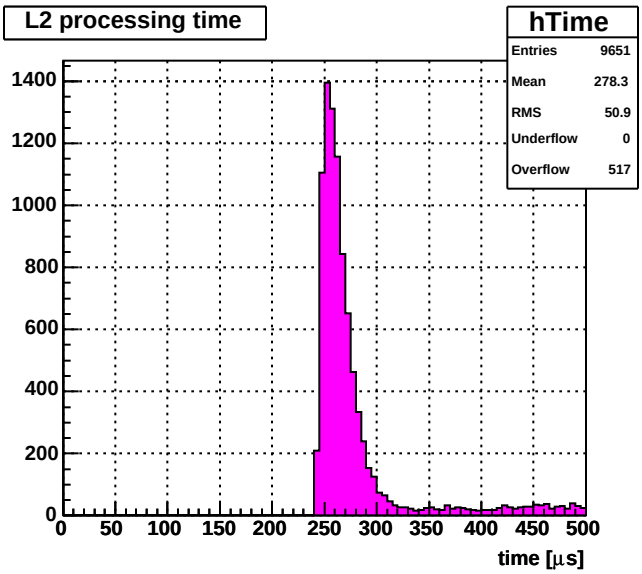

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9651
Mean 7.644
RMS 2.29
Underflow 0
Overflow 30
χ² / ndf 129 / 43
Constant 9.065 ± 0.047
Slope -0.4368 ± 0.0056
E [GeV]

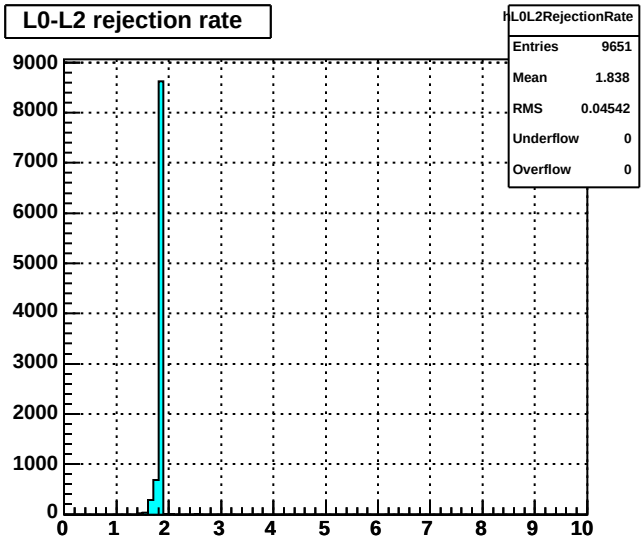

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9651
Mean 3.601
RMS 0.6423
Underflow 0
Overflow 0
χ² / ndf 54.23 / 23
Constant 13.23 ± 0.06
Slope -1.71 ± 0.02
E [GeV]

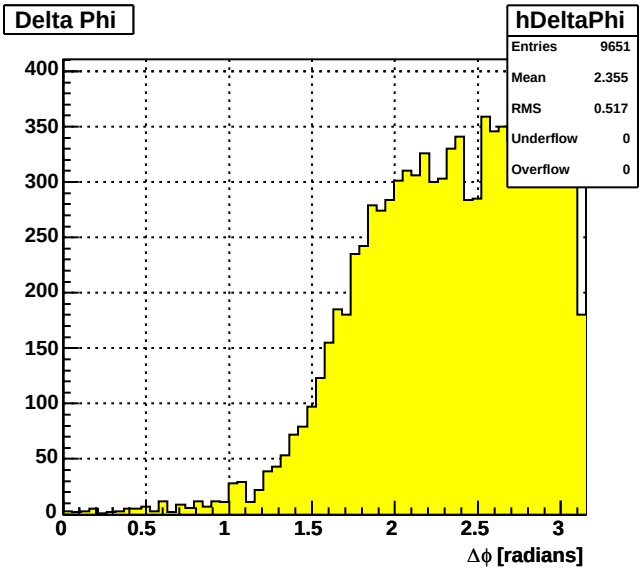

Invariant mass
hInvMass
Entries 9651
Mean 9.055
RMS 1.66
Underflow 0
Overflow 6
m_{ee} [GeV/c^2]

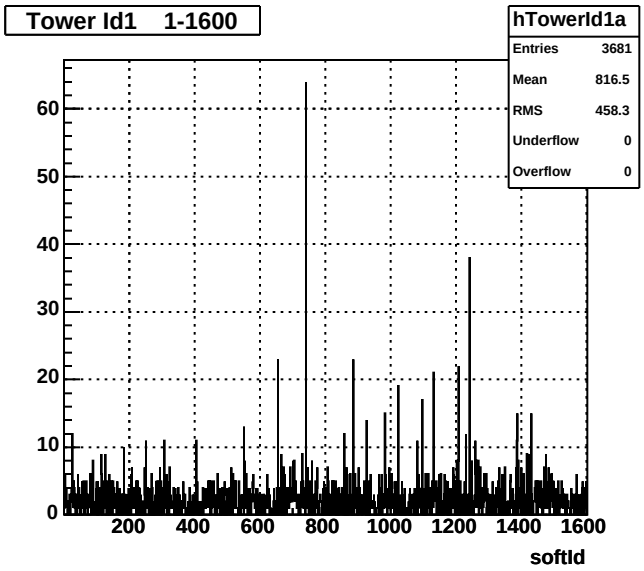

Opening angle
hCosTheta
Entries 9651
Mean -0.5429
RMS 0.2843
Underflow 0
Overflow 0
cos θ

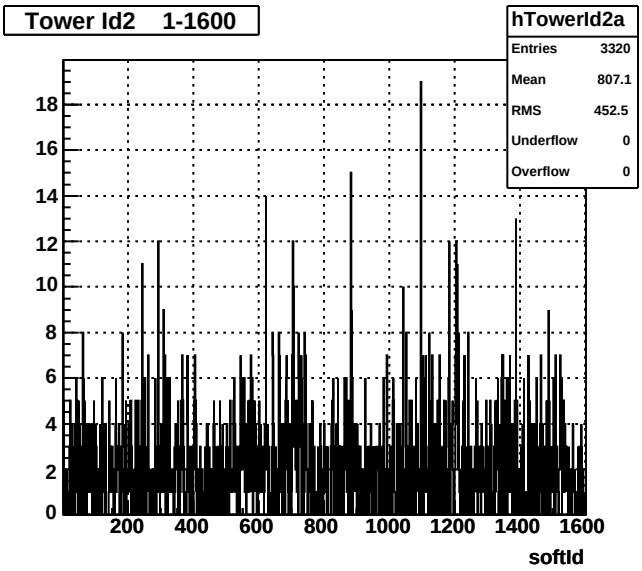

Number of hot towers
number of hot towers
events seen

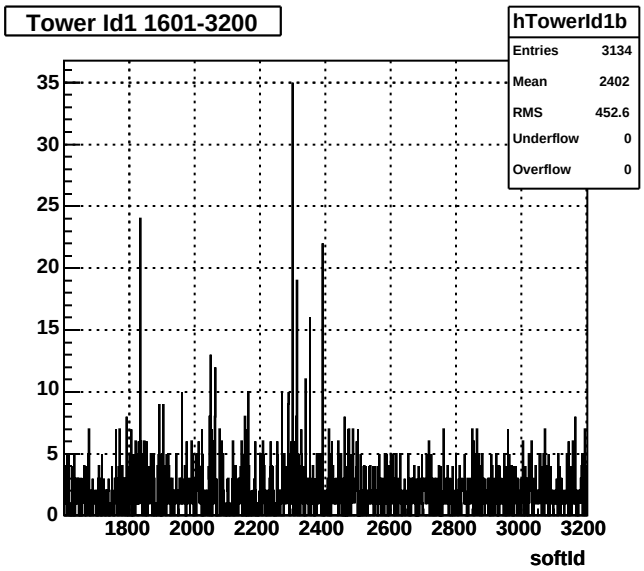

L2 processing time
hTime
Entries 9651
Mean 278.3
RMS 50.9
Underflow 0
Overflow 517
time [μs]

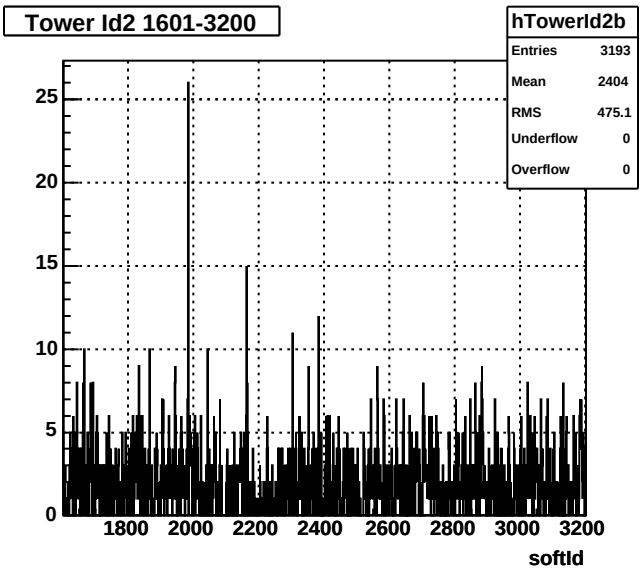

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9651
Mean 1.838
RMS 0.04542
Underflow 0
Overflow 0

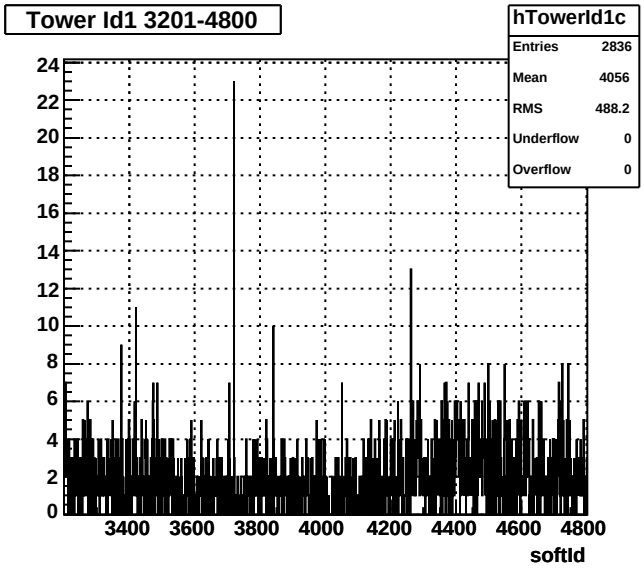

Delta Phi
hDeltaPhi
Entries 9651
Mean 2.355
RMS 0.517
Underflow 0
Overflow 0
Δφ [radians]

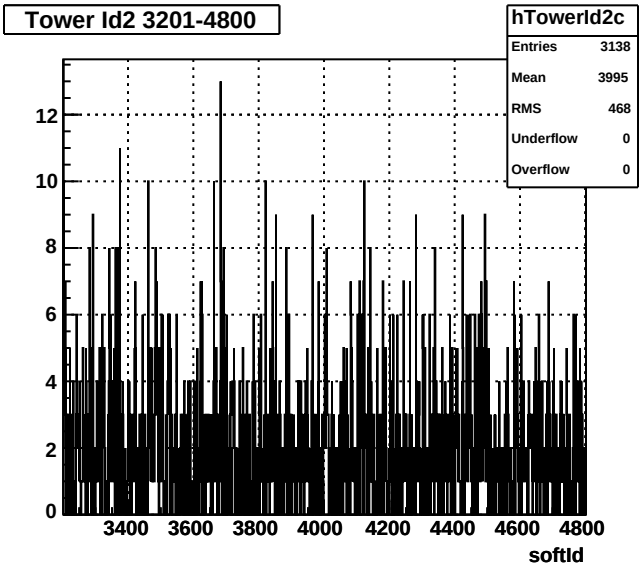

Tower Id1 1-1600
hTowerId1a
Entries 3681
Mean 816.5
RMS 458.3
Underflow 0
Overflow 0
softId

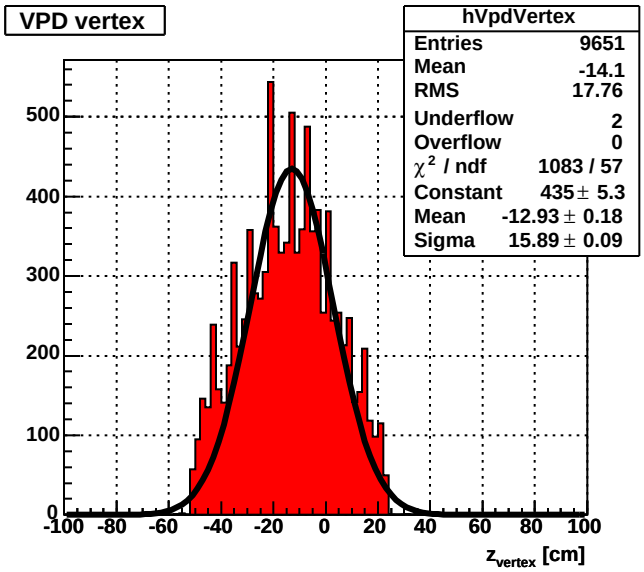

Tower Id2 1-1600
hTowerId2a
Entries 3320
Mean 807.1
RMS 452.5
Underflow 0
Overflow 0
softId

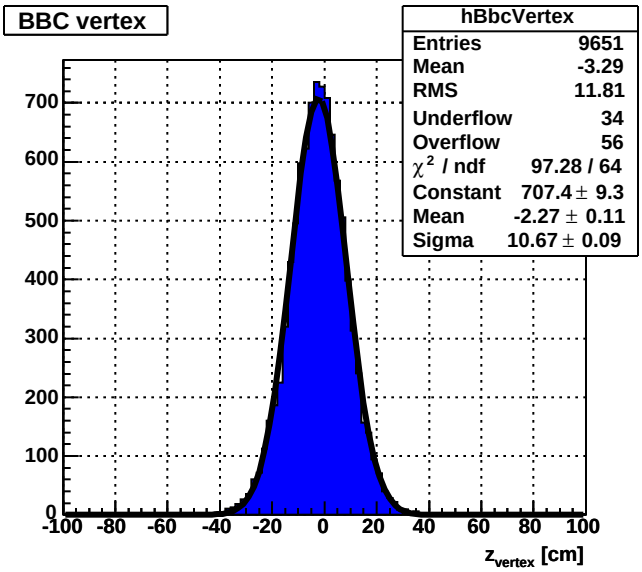

Tower Id1 1601-3200
hTowerId1b
Entries 3134
Mean 2402
RMS 452.6
Underflow 0
Overflow 0
softId

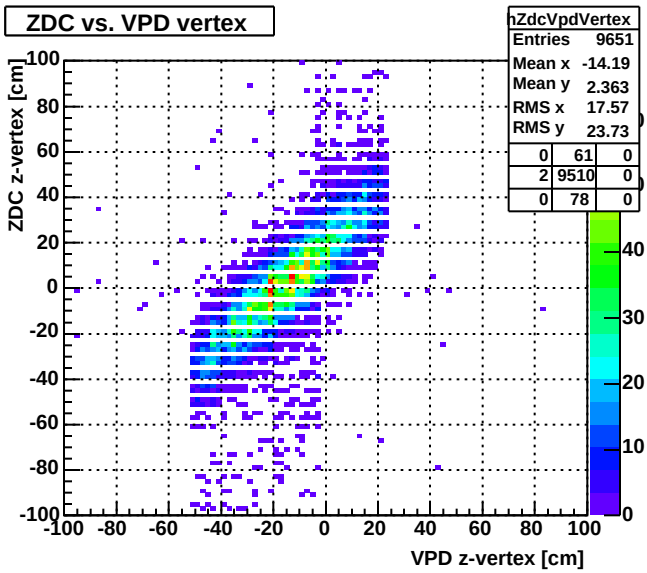

Tower Id2 1601-3200
hTowerId2b
Entries 3193
Mean 2404
RMS 475.1
Underflow 0
Overflow 0
softId

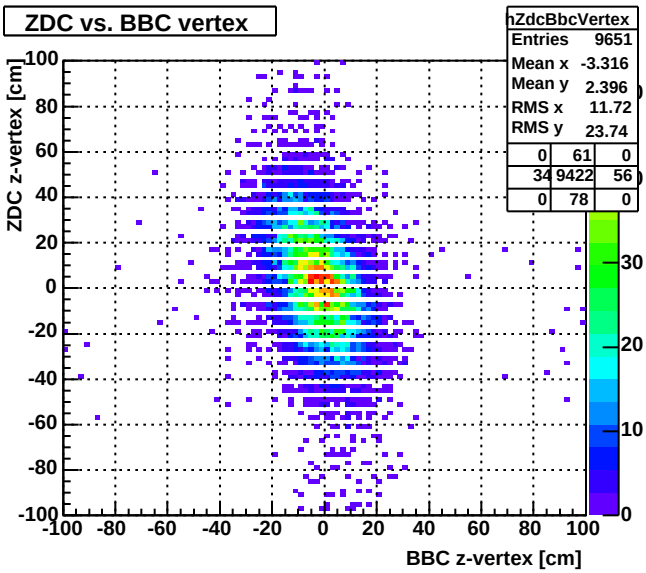

Tower Id1 3201-4800
hTowerId1c
Entries 2836
Mean 4056
RMS 488.2
Underflow 0
Overflow 0
softId

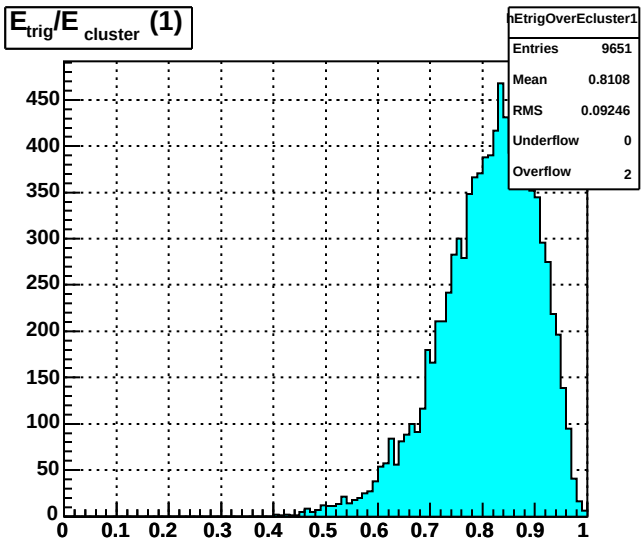

Tower Id2 3201-4800
hTowerId2c
Entries 3138
Mean 3995
RMS 468
Underflow 0
Overflow 0
softId

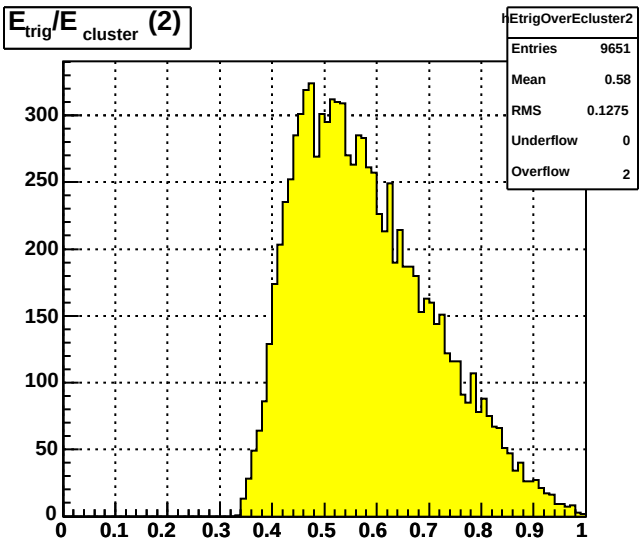

VPD vertex
hVpdVertex
Entries 9651
Mean -14.1
RMS 17.76
Underflow 2
Overflow 0
χ² / ndf 1083 / 57
Constant 435 ± 5.3
Mean -12.93 ± 0.18
Sigma 15.89 ± 0.09
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9651
Mean -3.29
RMS 11.81
Underflow 34
Overflow 56
χ² / ndf 97.28 / 64
Constant 707.4 ± 9.3
Mean -2.27 ± 0.11
Sigma 10.67 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9651
Mean x -14.19
Mean y 2.363
RMS x 17.57
RMS y 23.73
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9651
Mean x -3.316
Mean y 2.396
RMS x 11.72
RMS y 23.74
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9651
Mean 0.8108
RMS 0.09246
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9651
Mean 0.58
RMS 0.1275
Underflow 0
Overflow 2