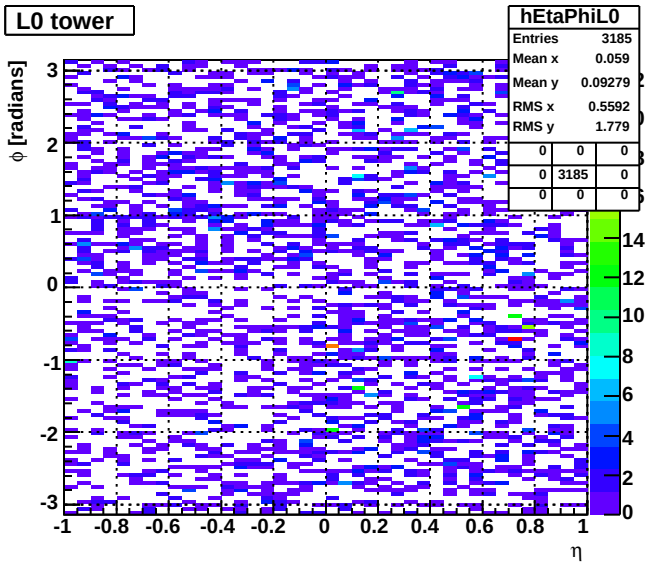
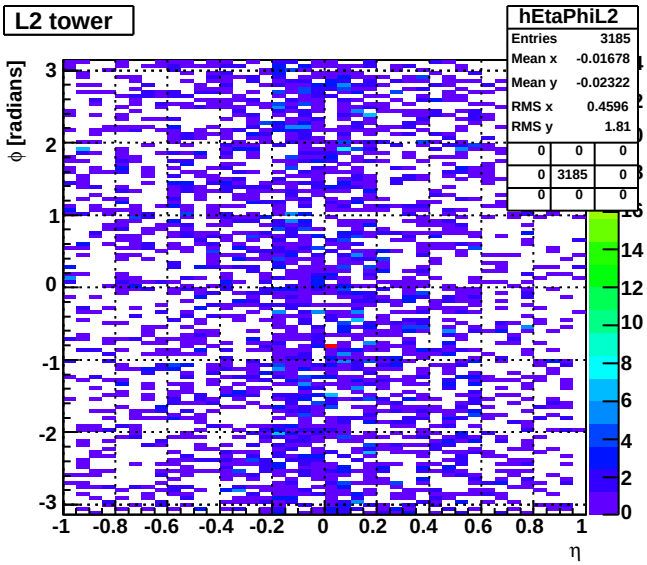
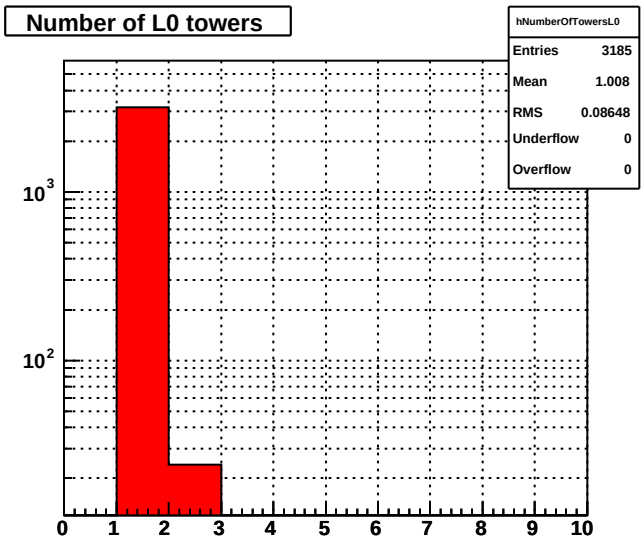
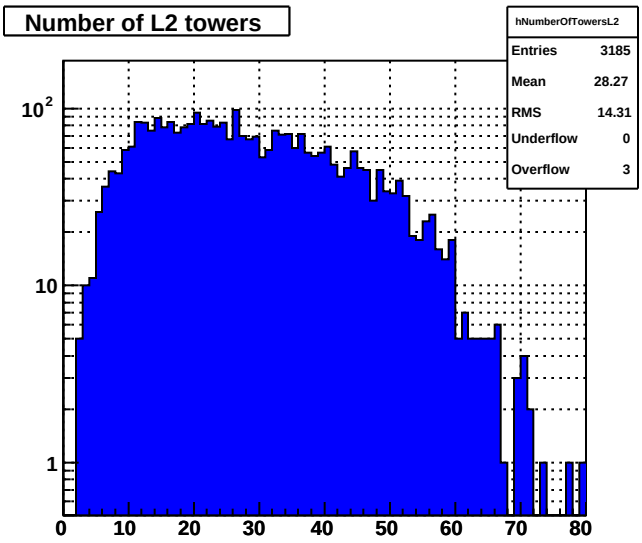
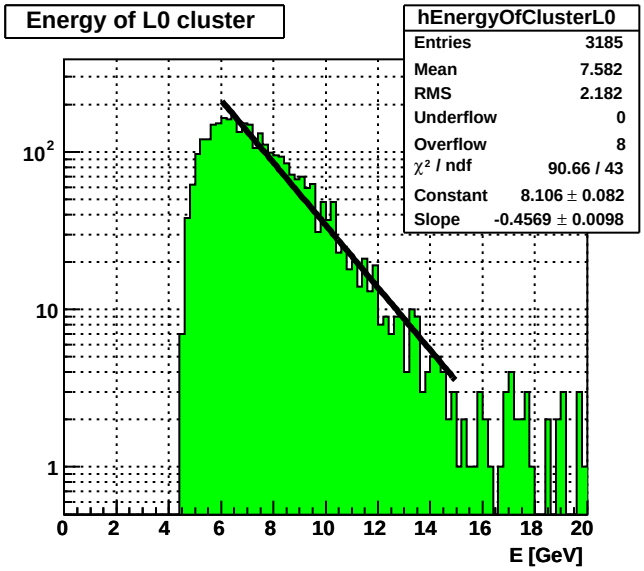
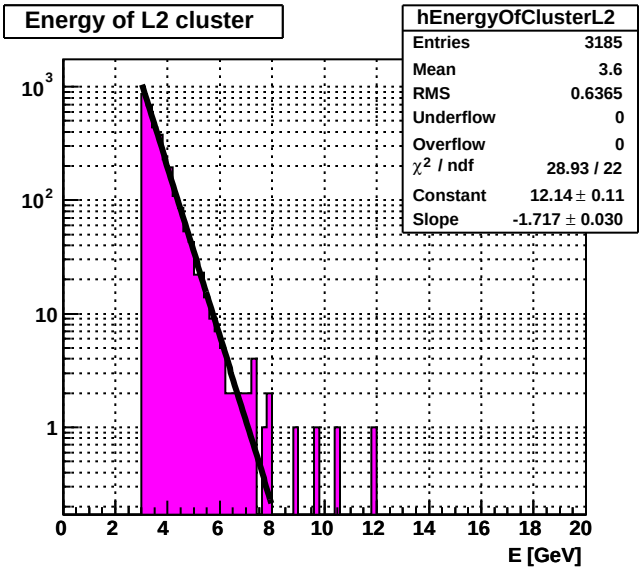

L0 tower
hEtaPhiL0
Entries 3185
Mean x 0.059
Mean y 0.09279
RMS x 0.5592
RMS y 1.779
φ [radians]
η

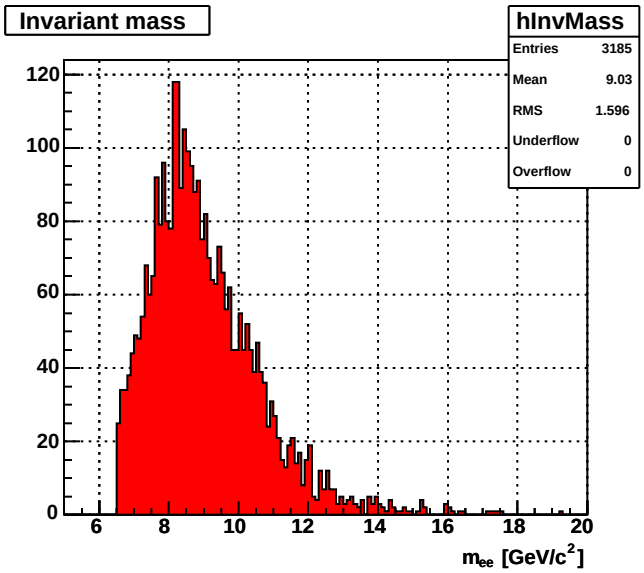

L2 tower
hEtaPhiL2
Entries 3185
Mean x -0.01678
Mean y -0.02322
RMS x 0.4596
RMS y 1.81
φ [radians]
η

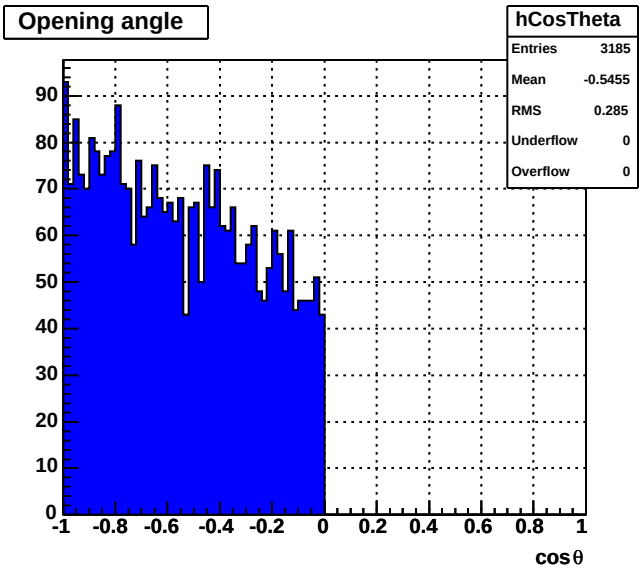

Number of L0 towers
hNumberOfTowersL0
Entries 3185
Mean 1.008
RMS 0.08648
Underflow 0
Overflow 0

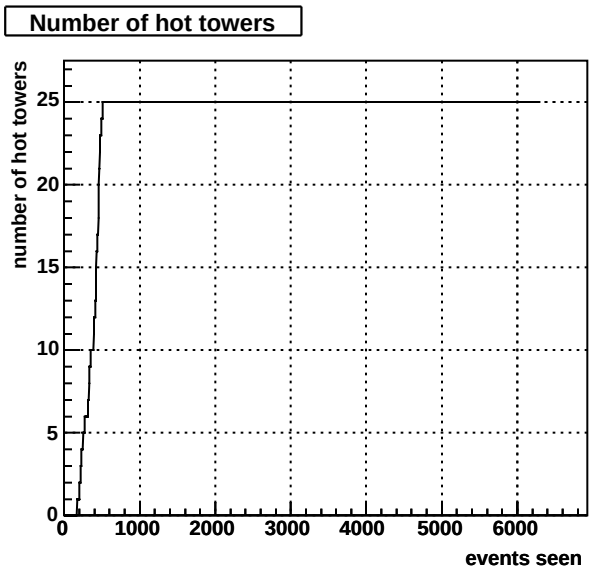

Number of L2 towers
hNumberOfTowersL2
Entries 3185
Mean 28.27
RMS 14.31
Underflow 0
Overflow 3

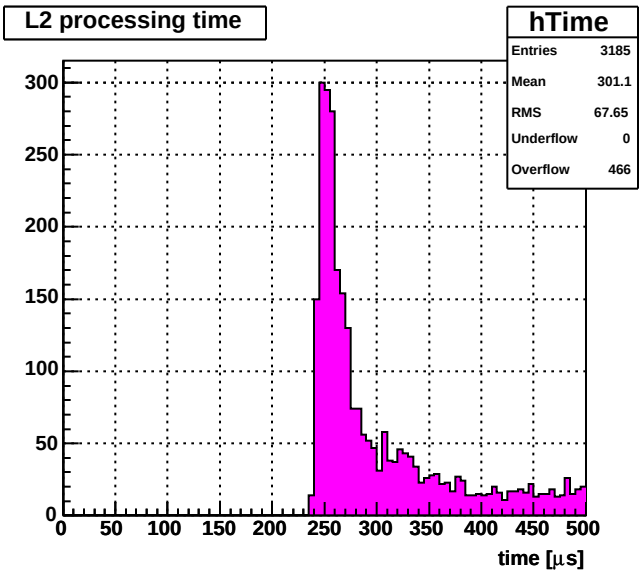

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3185
Mean 7.582
RMS 2.182
Underflow 0
Overflow 8
χ² / ndf 90.66 / 43
Constant 8.106 ± 0.082
Slope -0.4569 ± 0.0098
E [GeV]

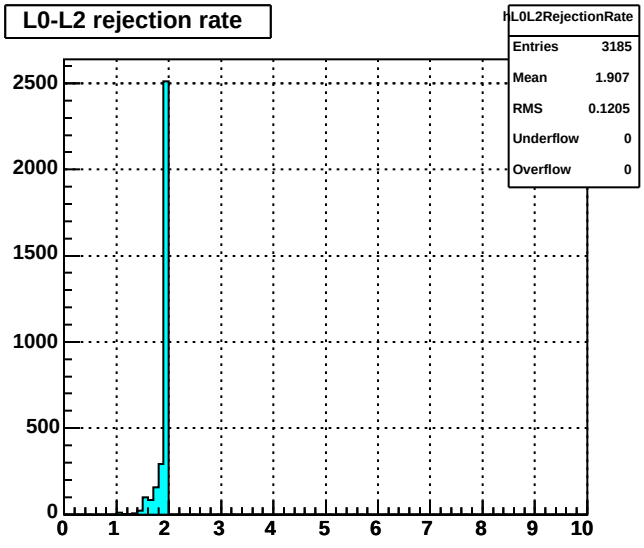

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3185
Mean 3.6
RMS 0.6365
Underflow 0
Overflow 0
χ² / ndf 28.93 / 22
Constant 12.14 ± 0.11
Slope -1.717 ± 0.030
E [GeV]

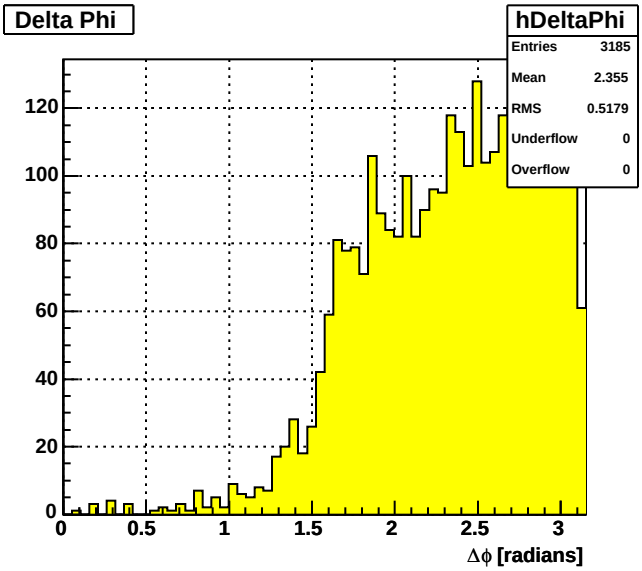

Invariant mass
hInvMass
Entries 3185
Mean 9.03
RMS 1.596
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

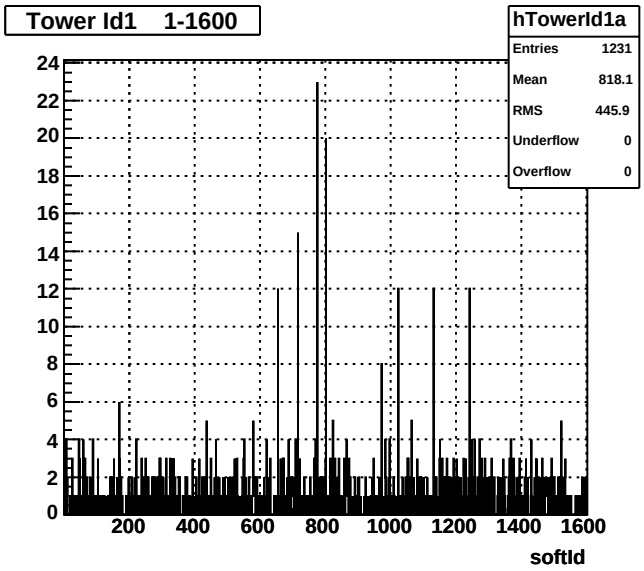

Opening angle
hCosTheta
Entries 3185
Mean -0.5455
RMS 0.285
Underflow 0
Overflow 0
cos θ

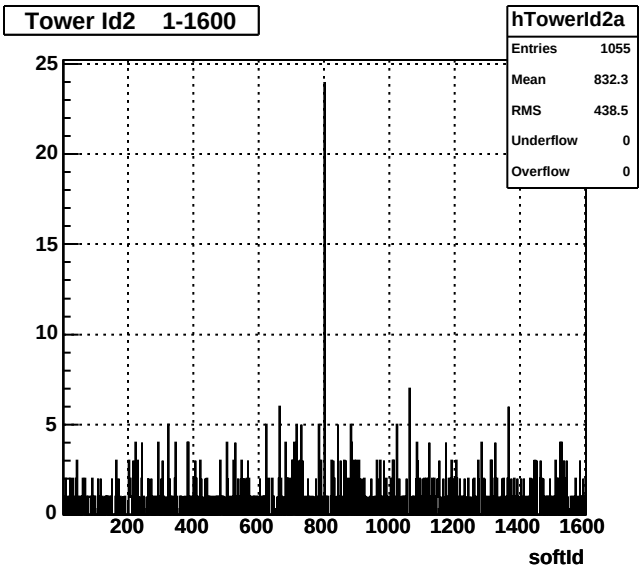

Number of hot towers
number of hot towers
events seen

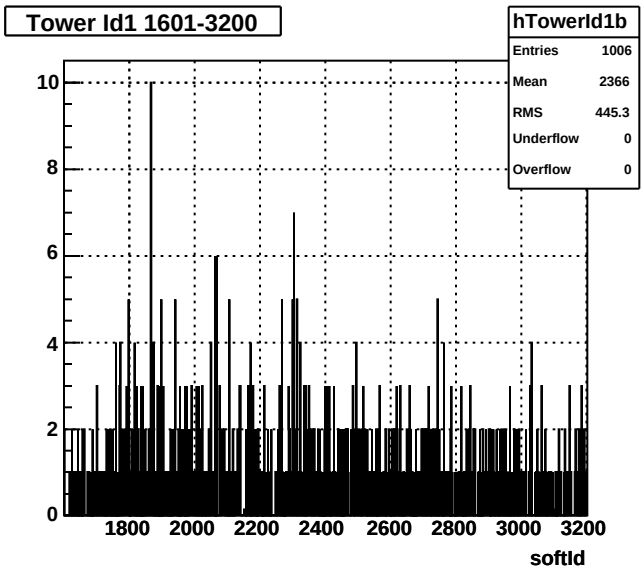

L2 processing time
hTime
Entries 3185
Mean 301.1
RMS 67.65
Underflow 0
Overflow 466
time [μs]

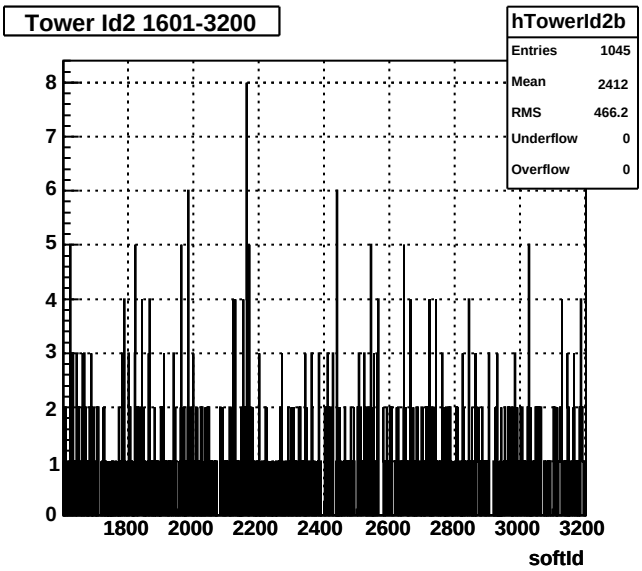

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3185
Mean 1.907
RMS 0.1205
Underflow 0
Overflow 0

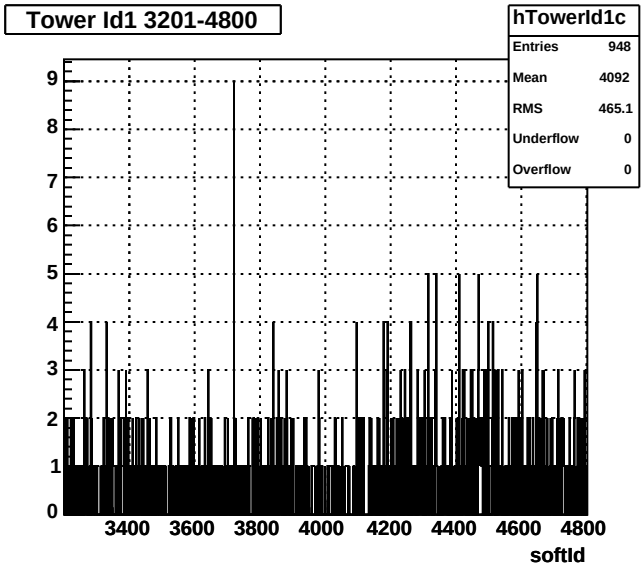

Delta Phi
hDeltaPhi
Entries 3185
Mean 2.355
RMS 0.5179
Underflow 0
Overflow 0
Δφ [radians]

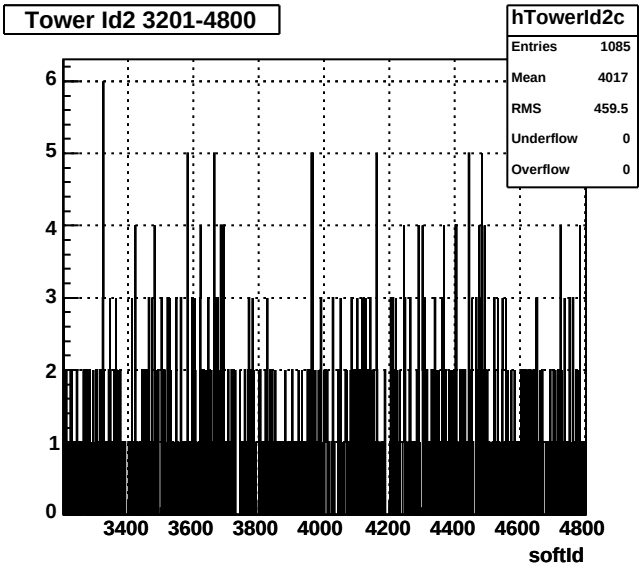

Tower Id1 1-1600
hTowerId1a
Entries 1231
Mean 818.1
RMS 445.9
Underflow 0
Overflow 0
softId

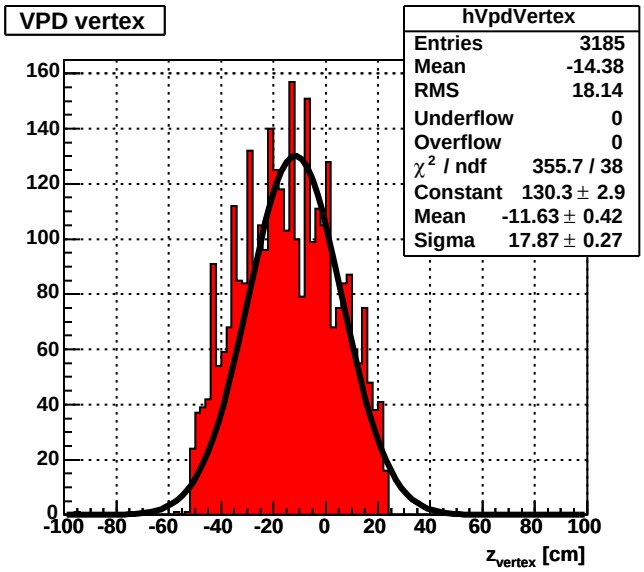

Tower Id2 1-1600
hTowerId2a
Entries 1055
Mean 832.3
RMS 438.5
Underflow 0
Overflow 0
softId

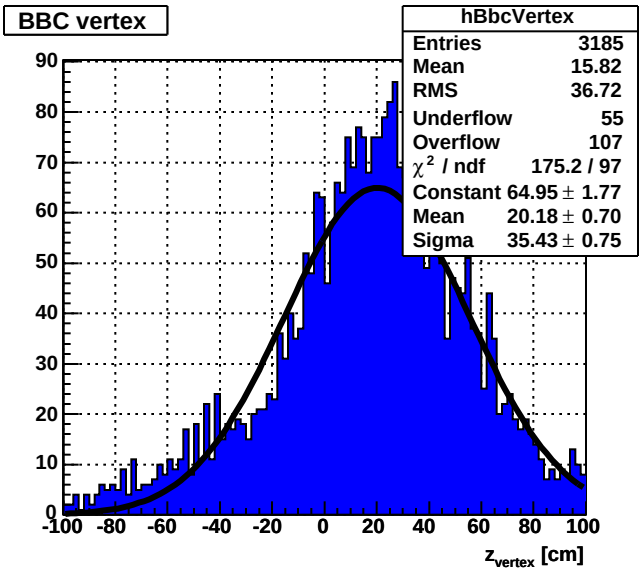

Tower Id1 1601-3200
hTowerId1b
Entries 1006
Mean 2366
RMS 445.3
Underflow 0
Overflow 0
softId

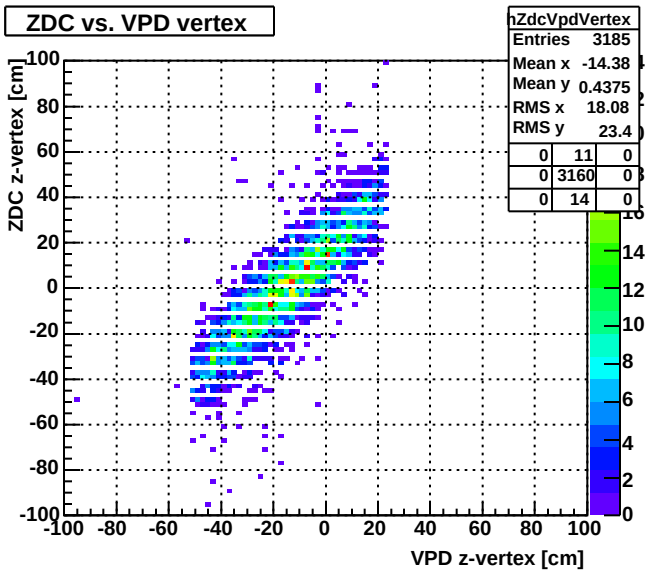

Tower Id2 1601-3200
hTowerId2b
Entries 1045
Mean 2412
RMS 466.2
Underflow 0
Overflow 0
softId

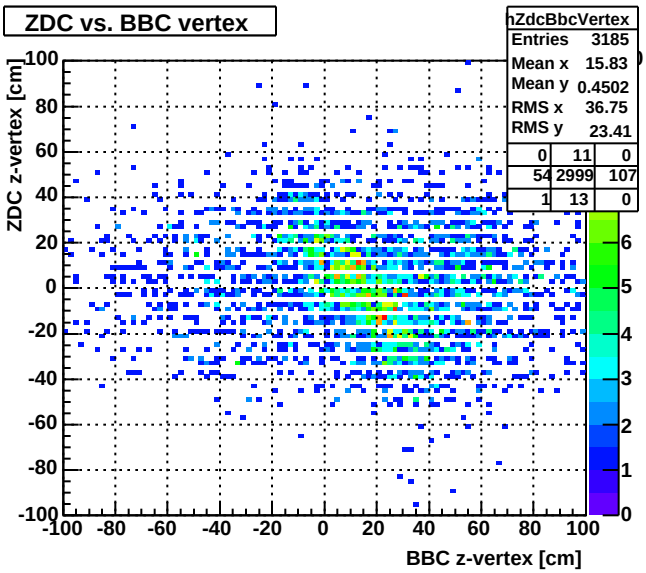

Tower Id1 3201-4800
hTowerId1c
Entries 948
Mean 4092
RMS 465.1
Underflow 0
Overflow 0
softId

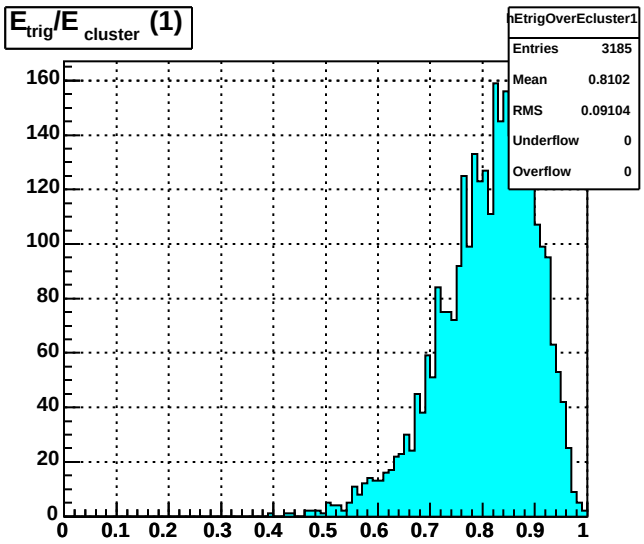

Tower Id2 3201-4800
hTowerId2c
Entries 1085
Mean 4017
RMS 459.5
Underflow 0
Overflow 0
softId

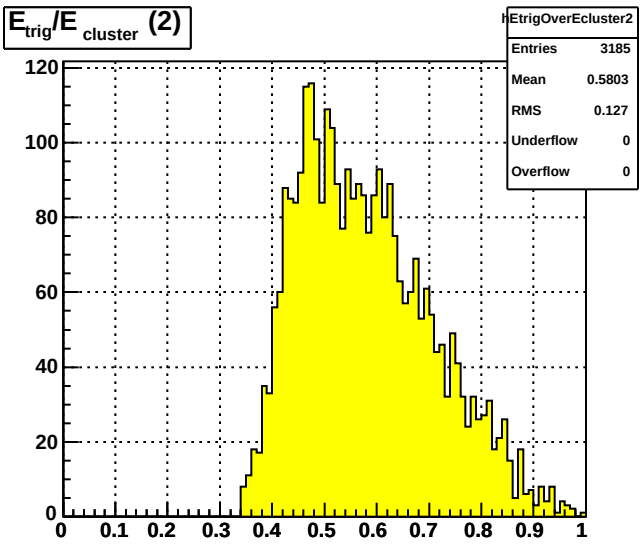

VPD vertex
hVpdVertex
Entries 3185
Mean -14.38
RMS 18.14
Underflow 0
Overflow 0
χ² / ndf 355.7 / 38
Constant 130.3 ± 2.9
Mean -11.63 ± 0.42
Sigma 17.87 ± 0.27
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3185
Mean 15.82
RMS 36.72
Underflow 55
Overflow 107
χ² / ndf 175.2 / 97
Constant 64.95 ± 1.77
Mean 20.18 ± 0.70
Sigma 35.43 ± 0.75
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3185
Mean x -14.38
Mean y 0.4375
RMS x 18.08
RMS y 23.4
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3185
Mean x 15.83
Mean y 0.4502
RMS x 36.75
RMS y 23.41
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3185
Mean 0.8102
RMS 0.09104
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3185
Mean 0.5803
RMS 0.127
Underflow 0
Overflow 0