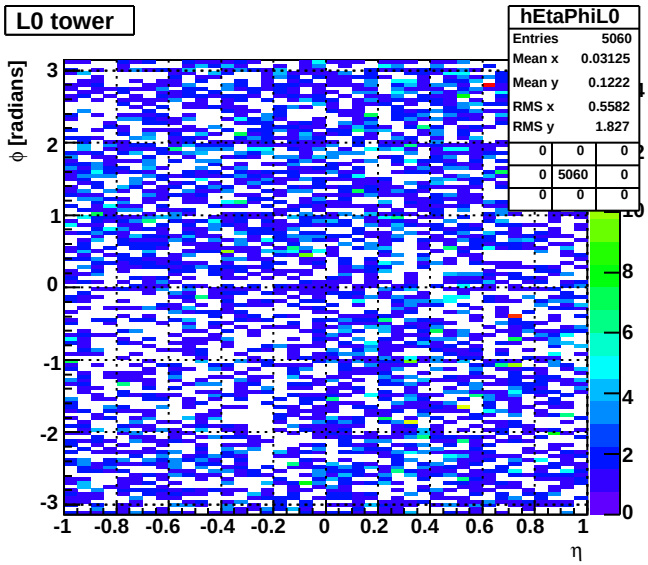
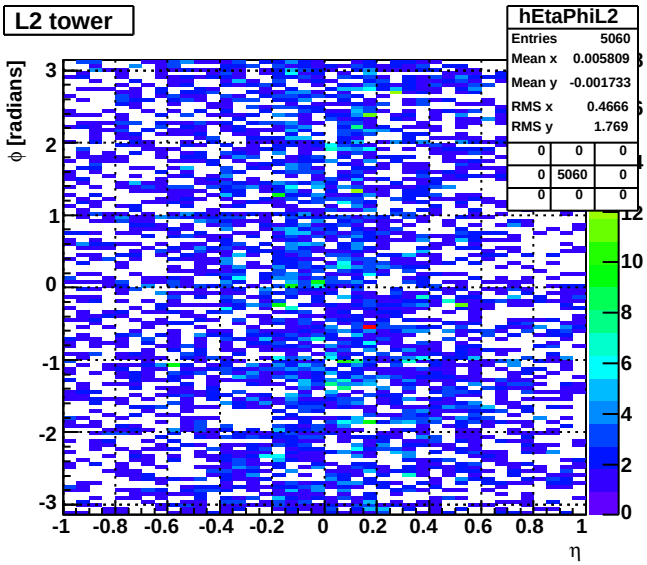
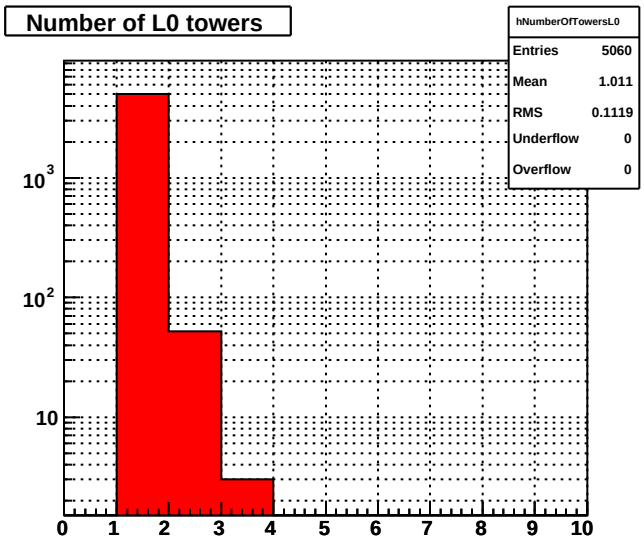
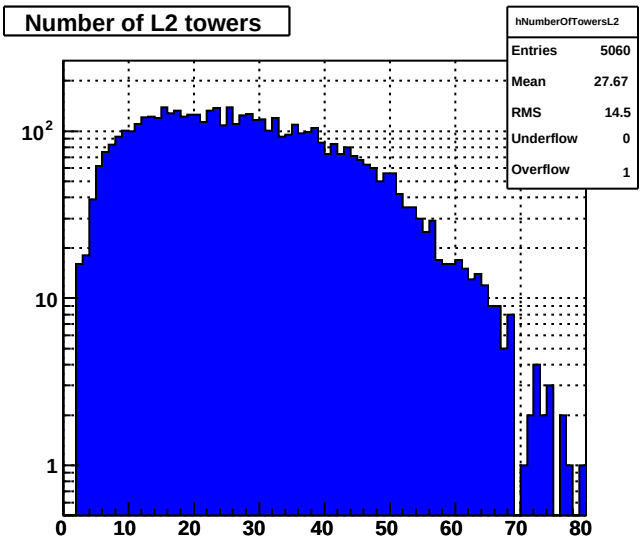
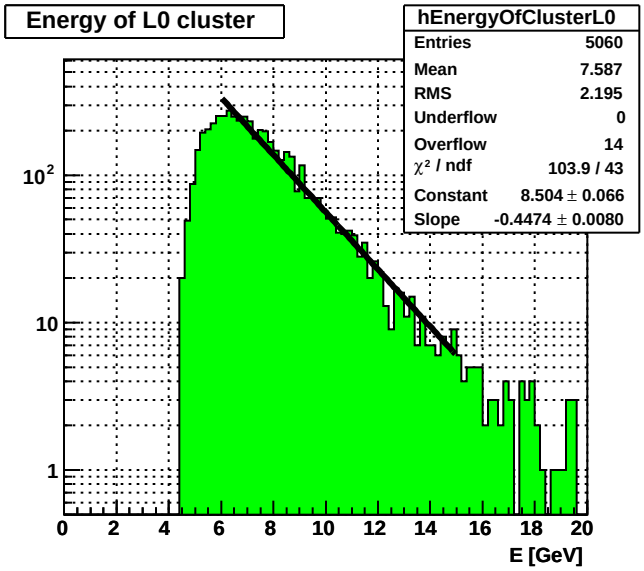
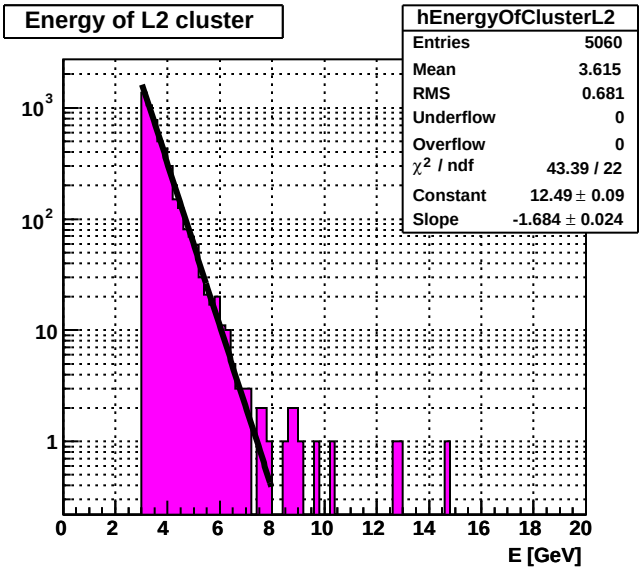

L0 tower
hEtaPhiL0
Entries 5060
Mean x 0.03125
Mean y 0.1222
RMS x 0.5582
RMS y 1.827
φ [radians]
η

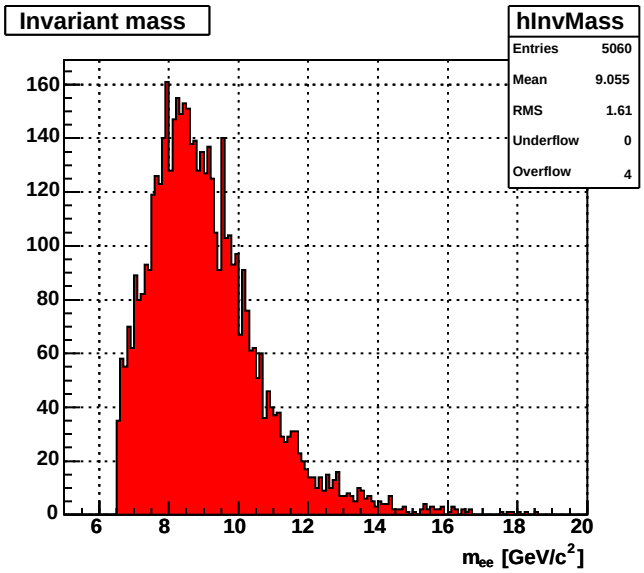

L2 tower
hEtaPhiL2
Entries 5060
Mean x 0.005809
Mean y -0.001733
RMS x 0.4666
RMS y 1.769
φ [radians]
η

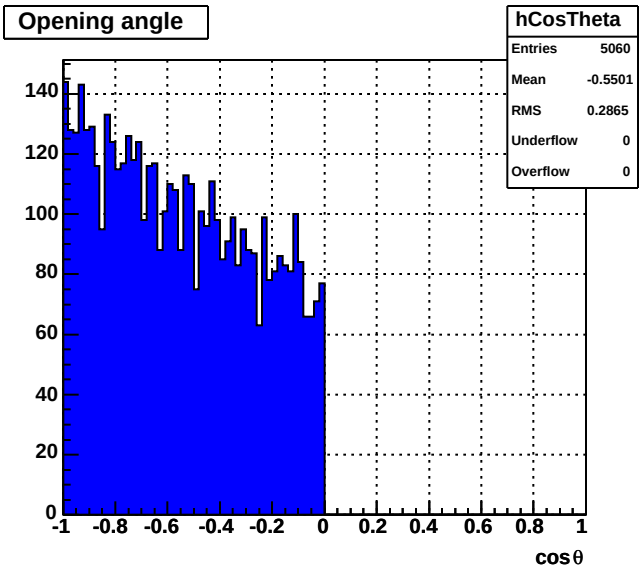

Number of L0 towers
hNumberOfTowersL0
Entries 5060
Mean 1.011
RMS 0.1119
Underflow 0
Overflow 0

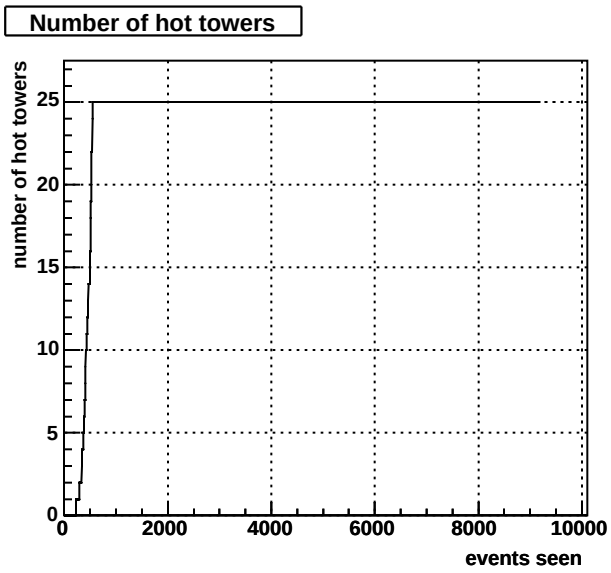

Number of L2 towers
hNumberOfTowersL2
Entries 5060
Mean 27.67
RMS 14.5
Underflow 0
Overflow 1

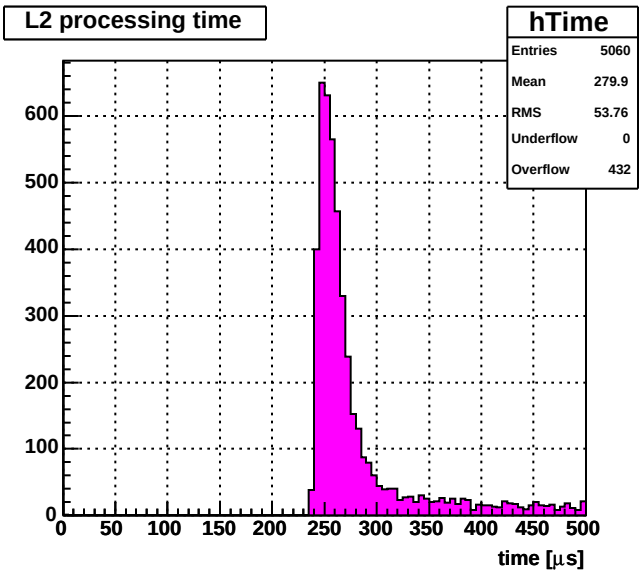

Energy of L0 cluster
hEnergyOfClusterL0
Entries 5060
Mean 7.587
RMS 2.195
Underflow 0
Overflow 14
χ² / ndf 103.9 / 43
Constant 8.504 ± 0.066
Slope -0.4474 ± 0.0080
E [GeV]

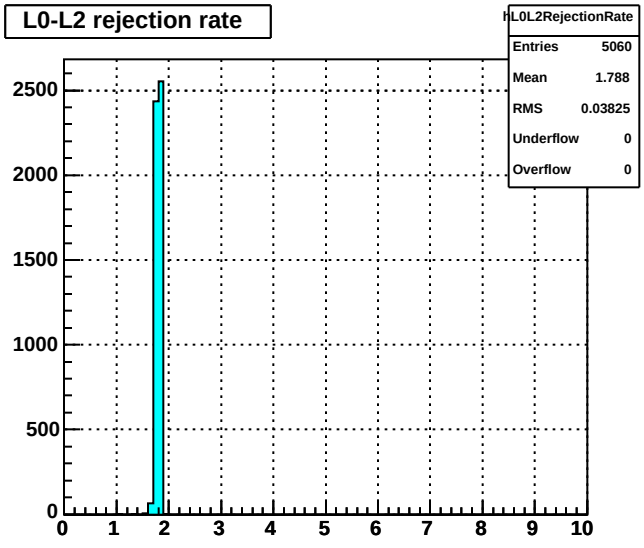

Energy of L2 cluster
hEnergyOfClusterL2
Entries 5060
Mean 3.615
RMS 0.681
Underflow 0
Overflow 0
χ² / ndf 43.39 / 22
Constant 12.49 ± 0.09
Slope -1.684 ± 0.024
E [GeV]

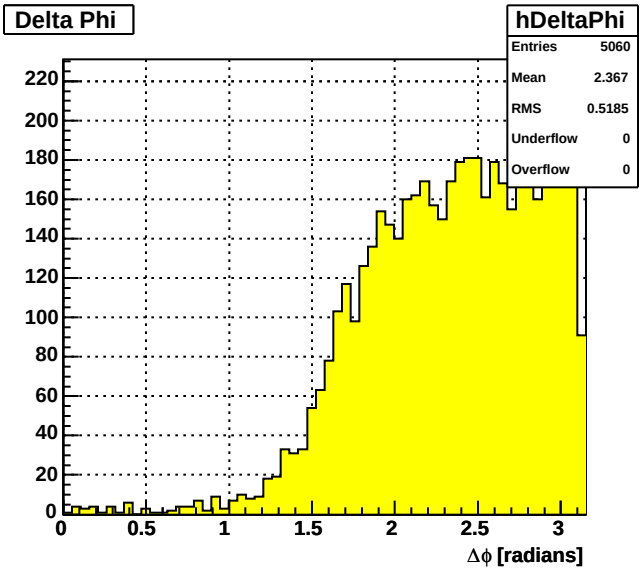

Invariant mass
hInvMass
Entries 5060
Mean 9.055
RMS 1.61
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

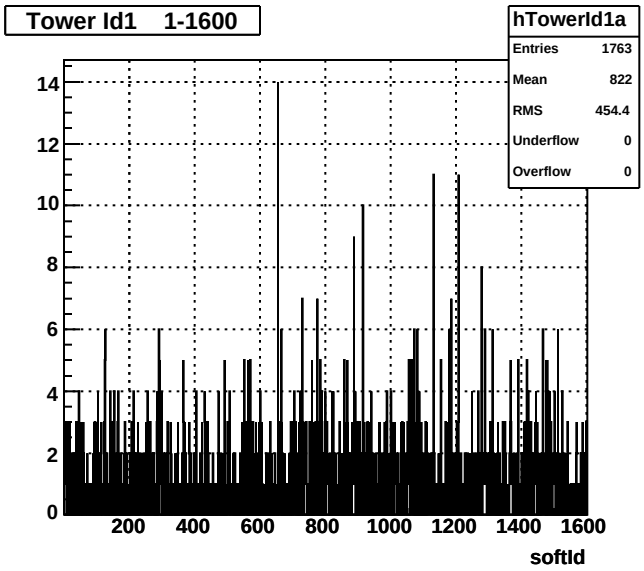

Opening angle
hCosTheta
Entries 5060
Mean -0.5501
RMS 0.2865
Underflow 0
Overflow 0
cos θ

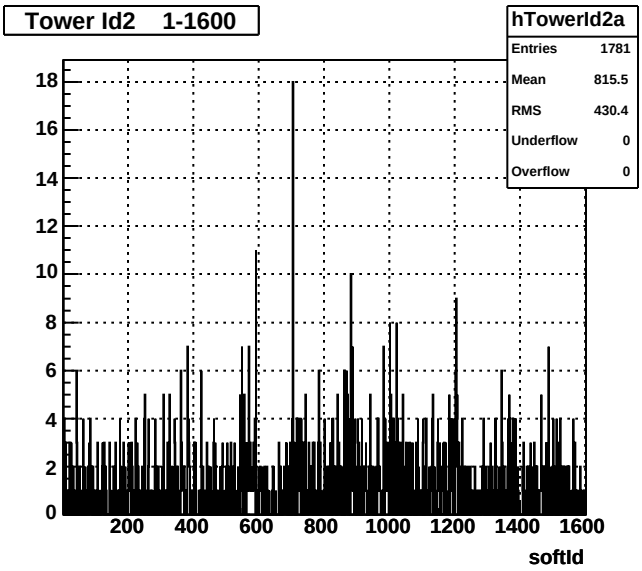

Number of hot towers
number of hot towers
events seen

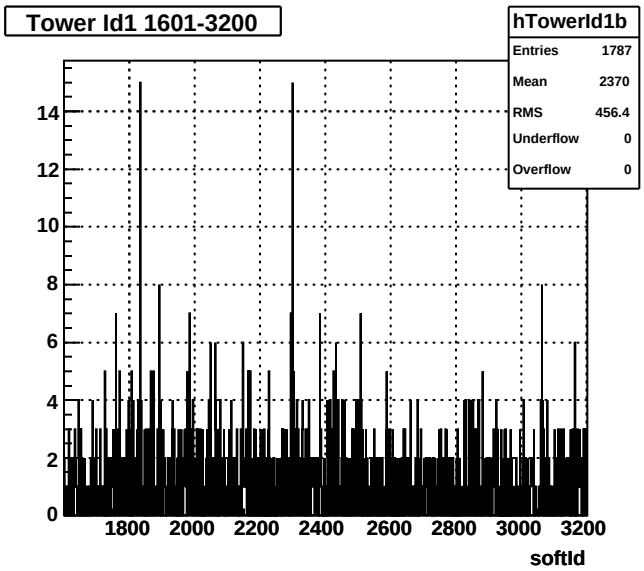

L2 processing time
hTime
Entries 5060
Mean 279.9
RMS 53.76
Underflow 0
Overflow 432
time [μs]

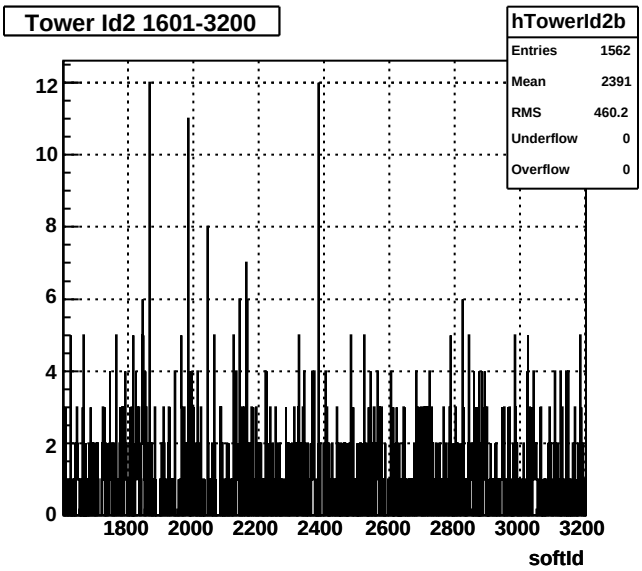

L0-L2 rejection rate
hL0L2RejectionRate
Entries 5060
Mean 1.788
RMS 0.03825
Underflow 0
Overflow 0

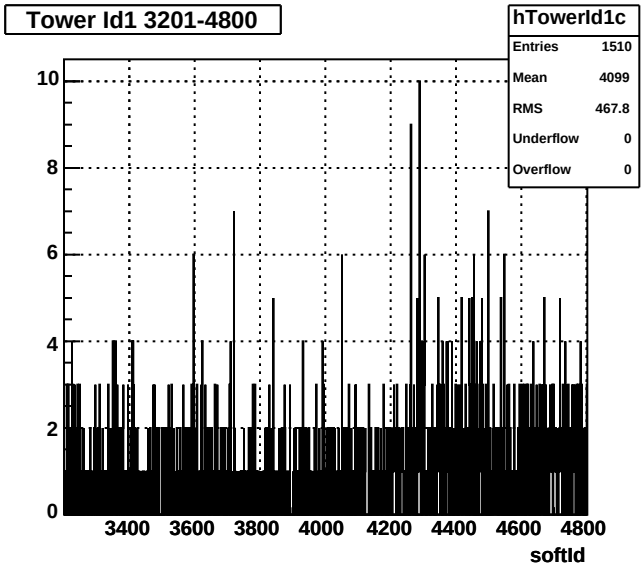

Delta Phi
hDeltaPhi
Entries 5060
Mean 2.367
RMS 0.5185
Underflow 0
Overflow 0
Δφ [radians]

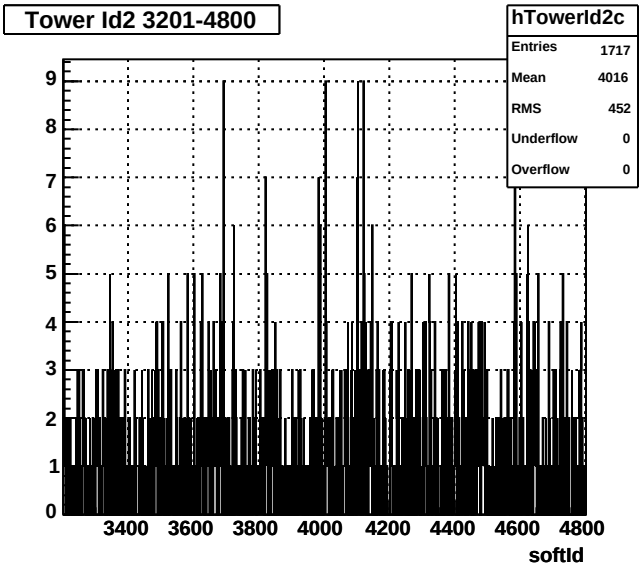

Tower Id1 1-1600
hTowerId1a
Entries 1763
Mean 822
RMS 454.4
Underflow 0
Overflow 0
softId

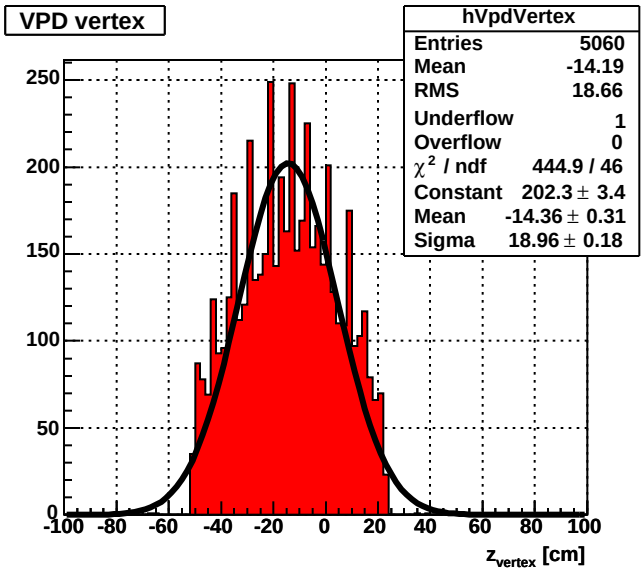

Tower Id2 1-1600
hTowerId2a
Entries 1781
Mean 815.5
RMS 430.4
Underflow 0
Overflow 0
softId

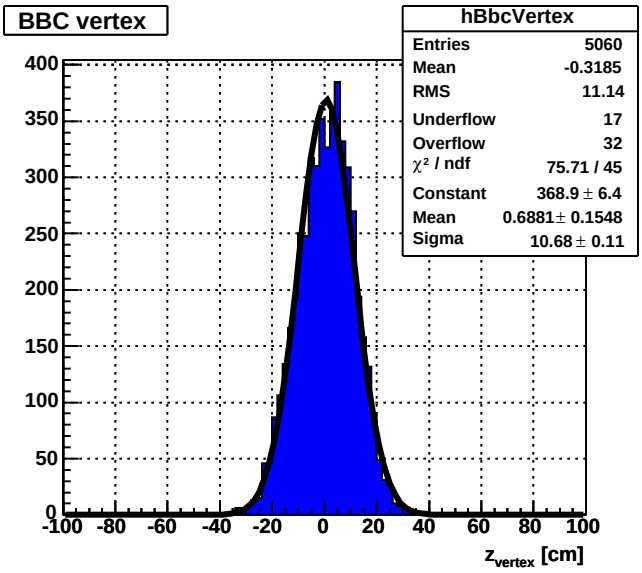

Tower Id1 1601-3200
hTowerId1b
Entries 1787
Mean 2370
RMS 456.4
Underflow 0
Overflow 0
softId

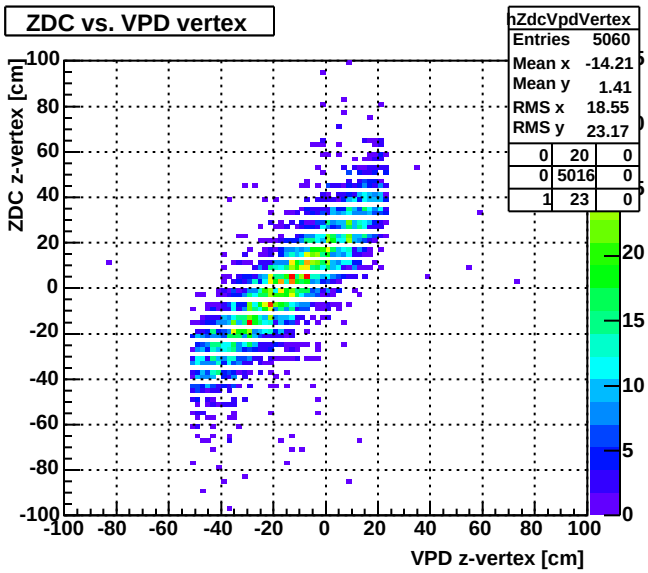

Tower Id2 1601-3200
hTowerId2b
Entries 1562
Mean 2391
RMS 460.2
Underflow 0
Overflow 0
softId

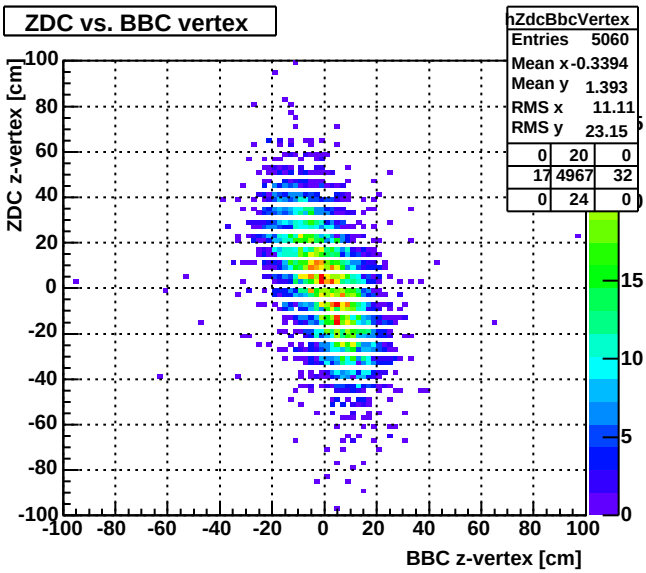

Tower Id1 3201-4800
hTowerId1c
Entries 1510
Mean 4099
RMS 467.8
Underflow 0
Overflow 0
softId

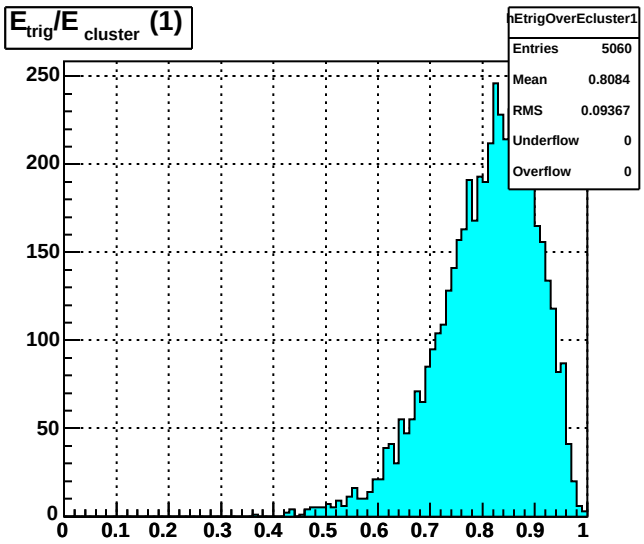

Tower Id2 3201-4800
hTowerId2c
Entries 1717
Mean 4016
RMS 452
Underflow 0
Overflow 0
softId

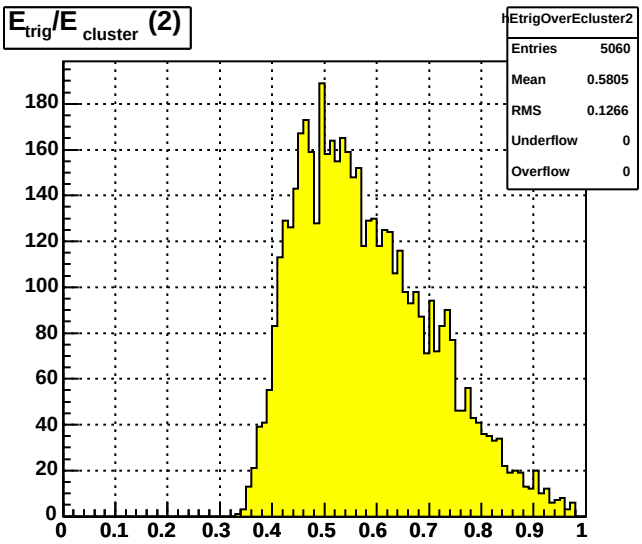

VPD vertex
hVpdVertex
Entries 5060
Mean -14.19
RMS 18.66
Underflow 1
Overflow 0
χ² / ndf 444.9 / 46
Constant 202.3 ± 3.4
Mean -14.36 ± 0.31
Sigma 18.96 ± 0.18
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 5060
Mean -0.3185
RMS 11.14
Underflow 17
Overflow 32
χ² / ndf 75.71 / 45
Constant 368.9 ± 6.4
Mean 0.6881 ± 0.1548
Sigma 10.68 ± 0.11
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 5060
Mean x -14.21
Mean y 1.41
RMS x 18.55
RMS y 23.17
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 5060
Mean x -0.3394
Mean y 1.393
RMS x 11.11
RMS y 23.15
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 5060
Mean 0.8084
RMS 0.09367
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 5060
Mean 0.5805
RMS 0.1266
Underflow 0
Overflow 0