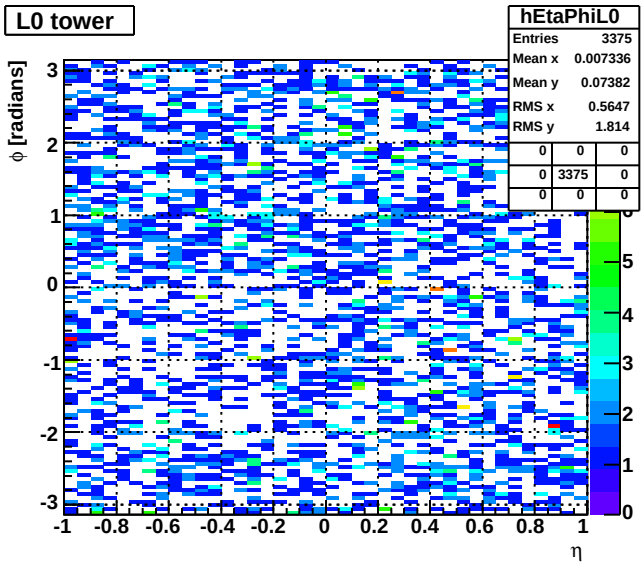
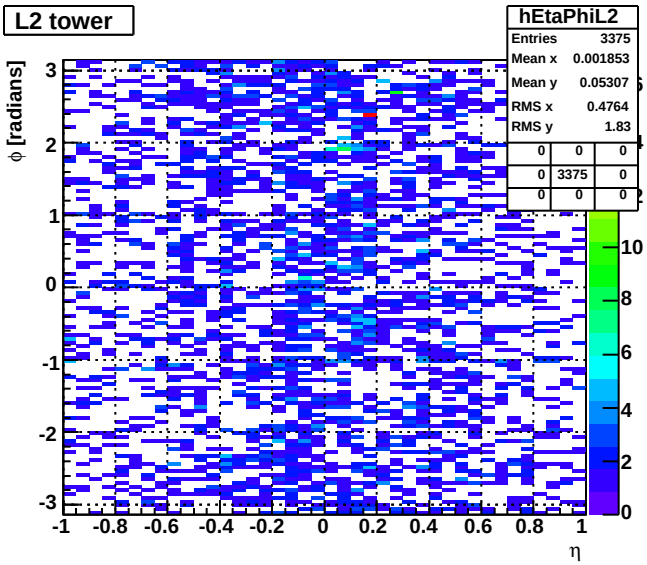
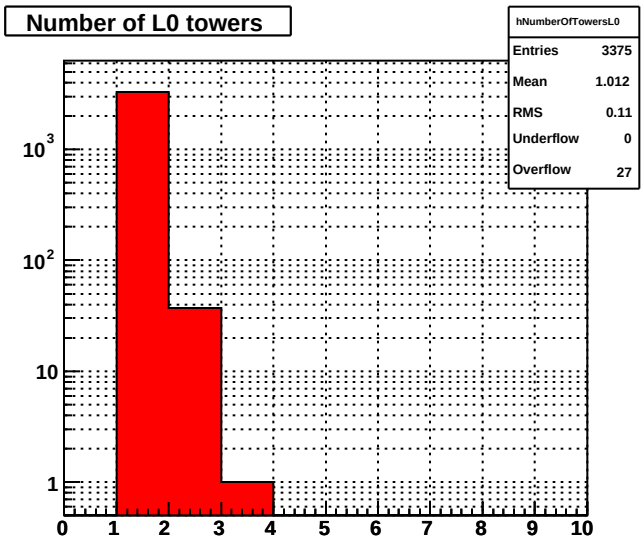
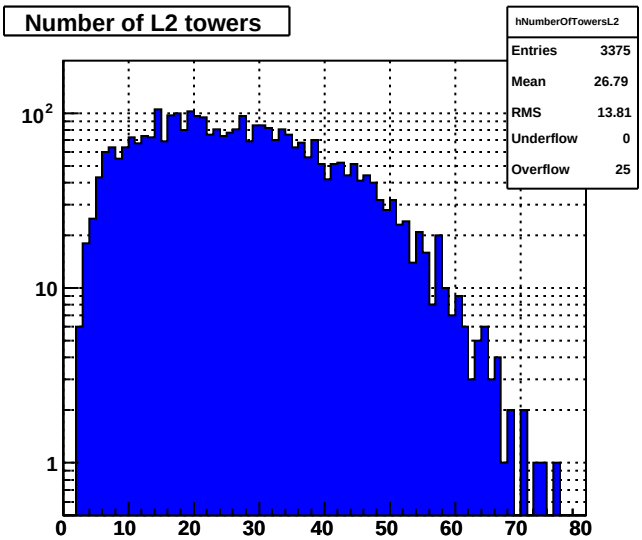
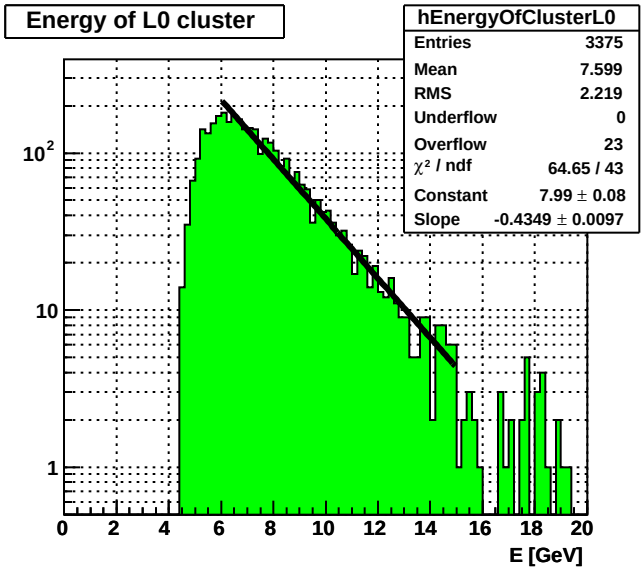
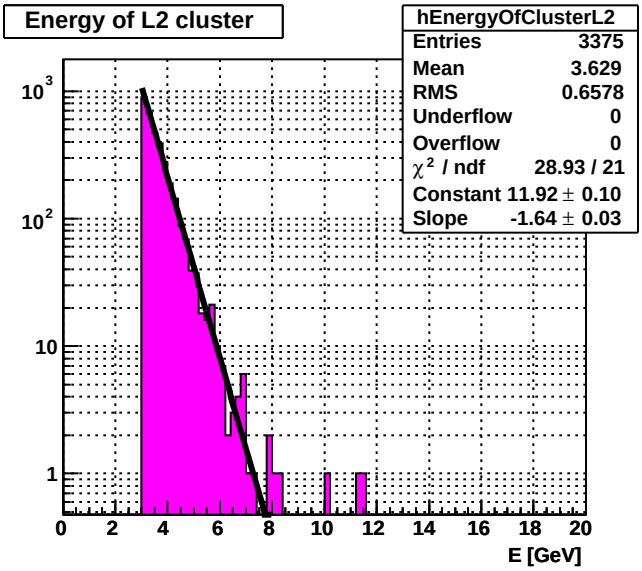

L0 tower
hEtaPhiL0
Entries 3375
Mean x 0.007336
Mean y 0.07382
RMS x 0.5647
RMS y 1.814
φ [radians]
η

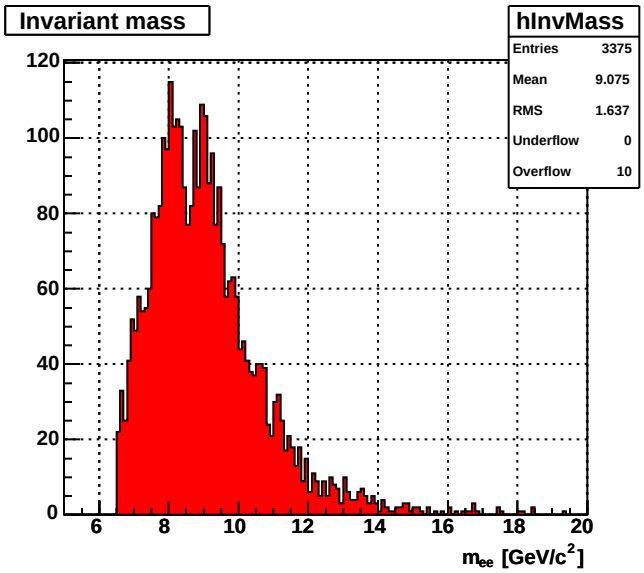

L2 tower
hEtaPhiL2
Entries 3375
Mean x 0.001853
Mean y 0.05307
RMS x 0.4764
RMS y 1.83
φ [radians]
η

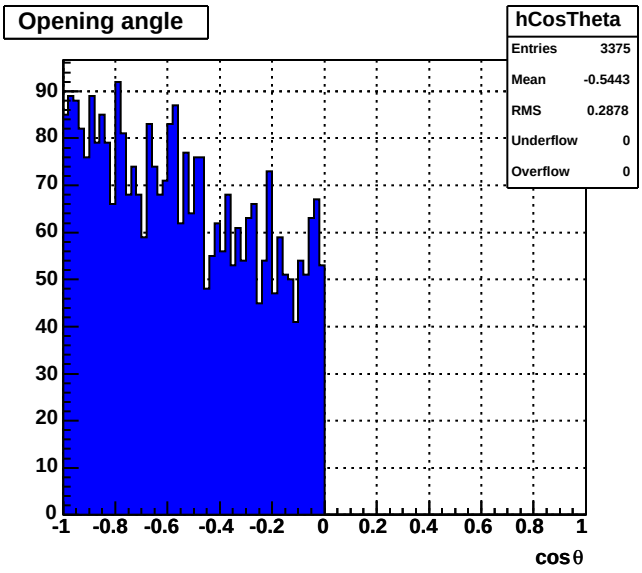

Number of L0 towers
hNumberOfTowersL0
Entries 3375
Mean 1.012
RMS 0.11
Underflow 0
Overflow 27

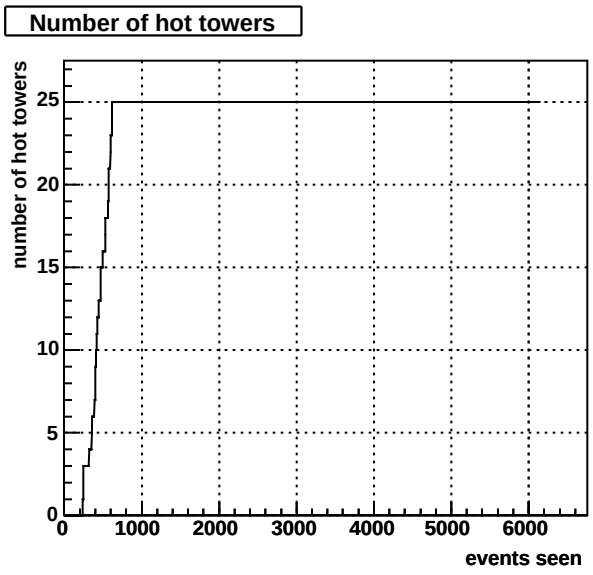

Number of L2 towers
hNumberOfTowersL2
Entries 3375
Mean 26.79
RMS 13.81
Underflow 0
Overflow 25

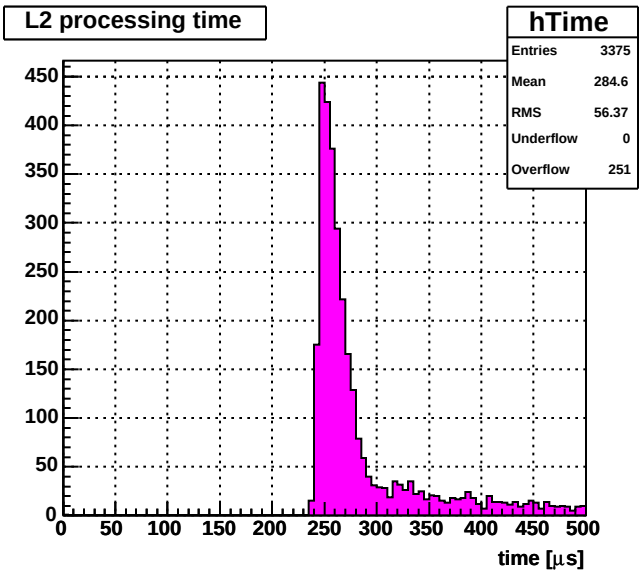

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3375
Mean 7.599
RMS 2.219
Underflow 0
Overflow 23
χ² / ndf 64.65 / 43
Constant 7.99 ± 0.08
Slope -0.4349 ± 0.0097
E [GeV]

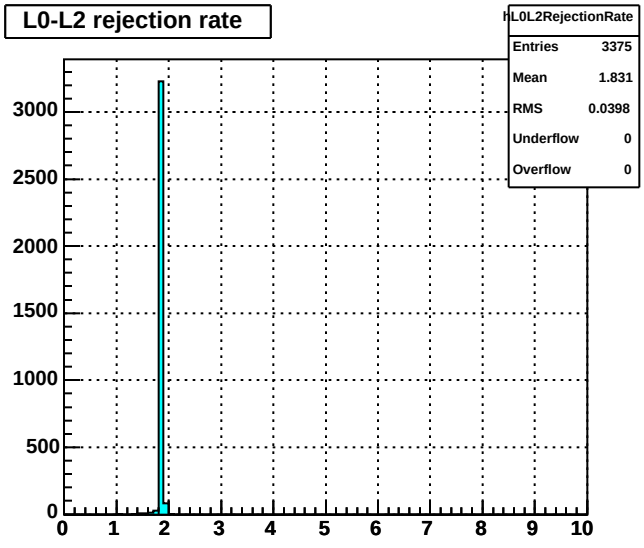

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3375
Mean 3.629
RMS 0.6578
Underflow 0
Overflow 0
χ² / ndf 28.93 / 21
Constant 11.92 ± 0.10
Slope -1.64 ± 0.03
E [GeV]

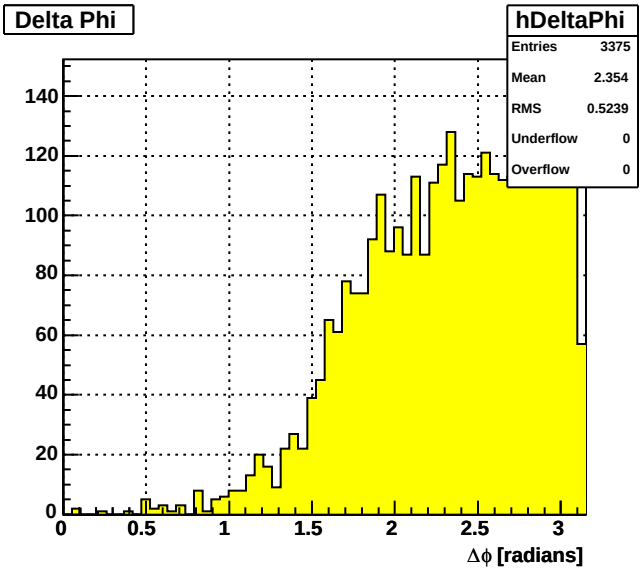

Invariant mass
hInvMass
Entries 3375
Mean 9.075
RMS 1.637
Underflow 0
Overflow 10
$m_{ee}$ [GeV/$c^2$]

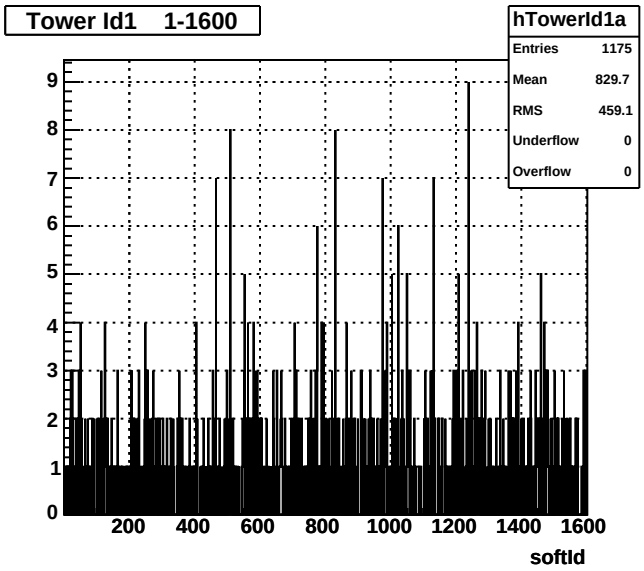

Opening angle
hCosTheta
Entries 3375
Mean -0.5443
RMS 0.2878
Underflow 0
Overflow 0
cos θ

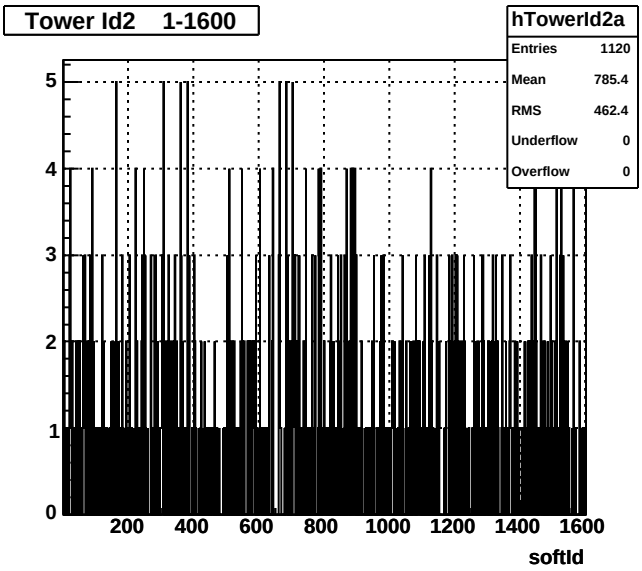

Number of hot towers
number of hot towers
events seen

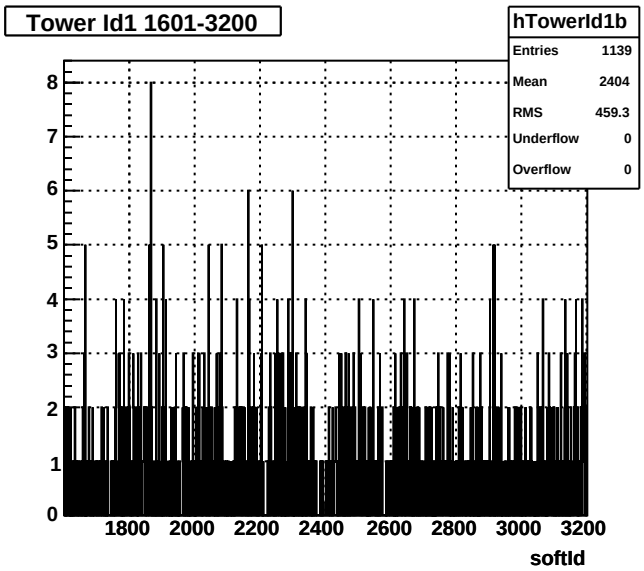

L2 processing time
hTime
Entries 3375
Mean 284.6
RMS 56.37
Underflow 0
Overflow 251
time [μs]

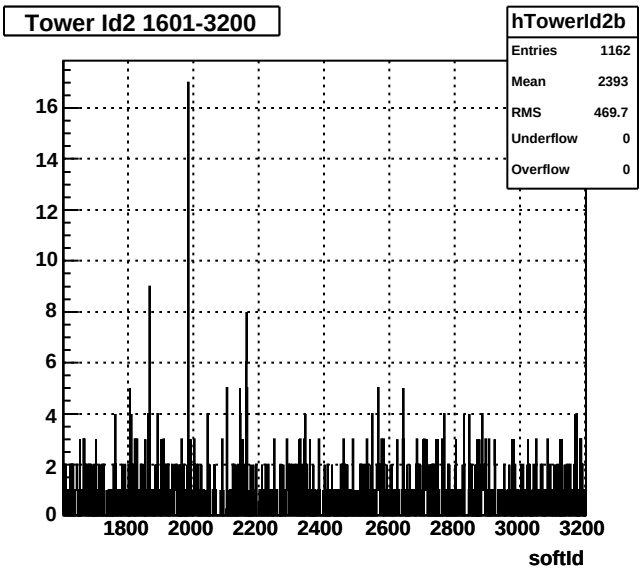

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3375
Mean 1.831
RMS 0.0398
Underflow 0
Overflow 0

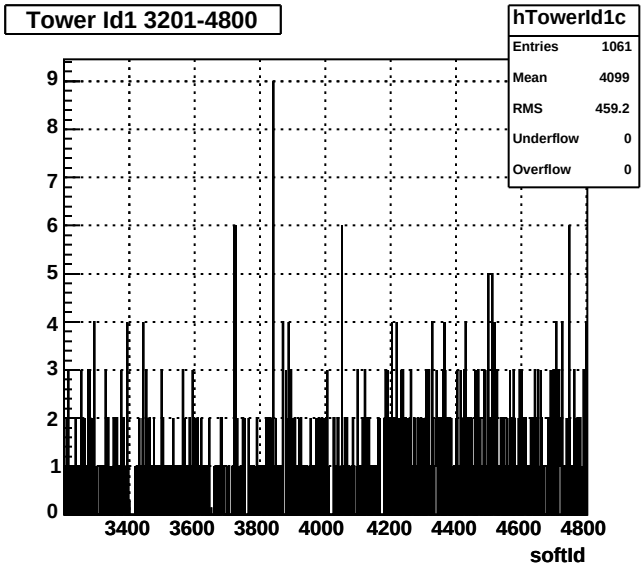

Delta Phi
hDeltaPhi
Entries 3375
Mean 2.354
RMS 0.5239
Underflow 0
Overflow 0
Δφ [radians]

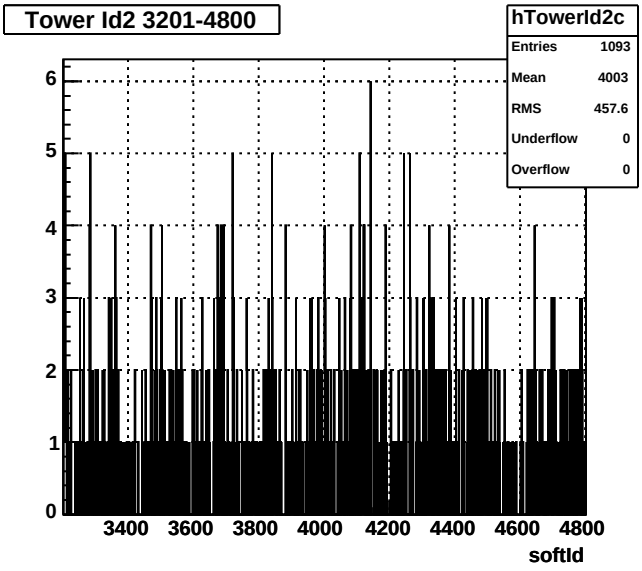

Tower Id1 1-1600
hTowerId1a
Entries 1175
Mean 829.7
RMS 459.1
Underflow 0
Overflow 0
softId

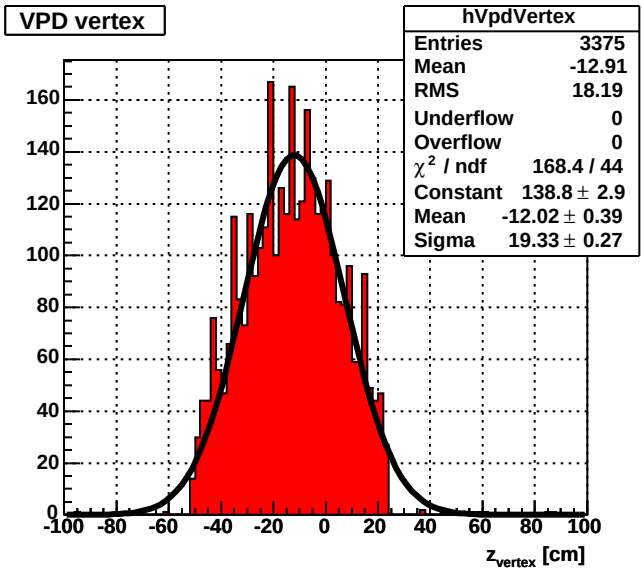

Tower Id2 1-1600
hTowerId2a
Entries 1120
Mean 785.4
RMS 462.4
Underflow 0
Overflow 0
softId

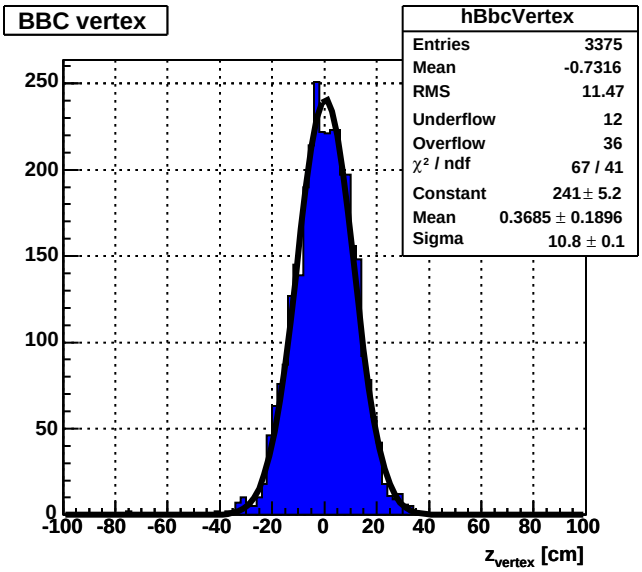

Tower Id1 1601-3200
hTowerId1b
Entries 1139
Mean 2404
RMS 459.3
Underflow 0
Overflow 0
softId

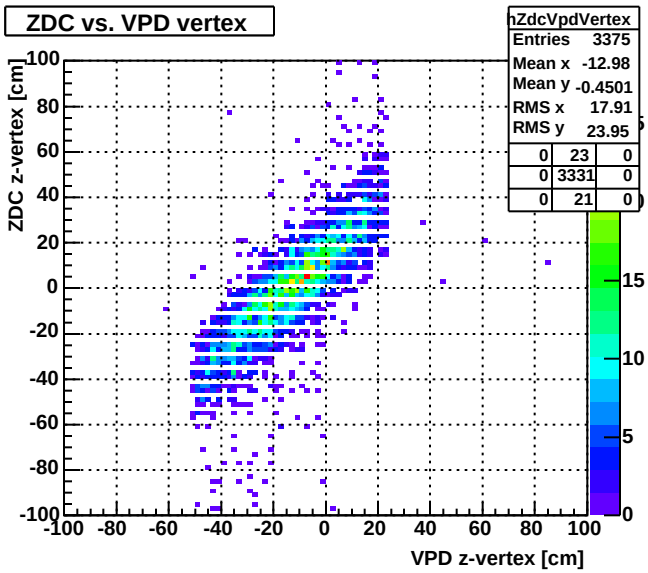

Tower Id2 1601-3200
hTowerId2b
Entries 1162
Mean 2393
RMS 469.7
Underflow 0
Overflow 0
softId

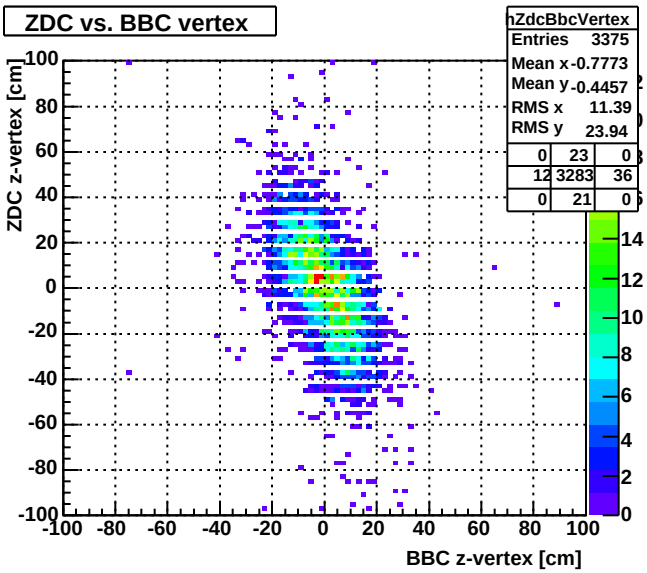

Tower Id1 3201-4800
hTowerId1c
Entries 1061
Mean 4099
RMS 459.2
Underflow 0
Overflow 0
softId

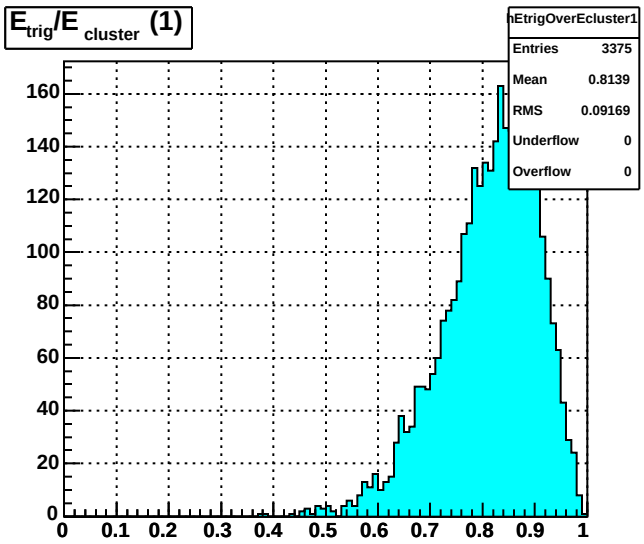

Tower Id2 3201-4800
hTowerId2c
Entries 1093
Mean 4003
RMS 457.6
Underflow 0
Overflow 0
softId

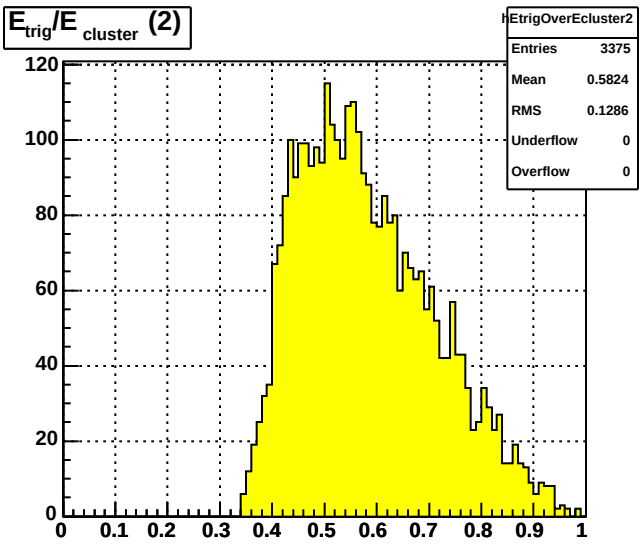

VPD vertex
hVpdVertex
Entries 3375
Mean -12.91
RMS 18.19
Underflow 0
Overflow 0
χ² / ndf 168.4 / 44
Constant 138.8 ± 2.9
Mean -12.02 ± 0.39
Sigma 19.33 ± 0.27
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3375
Mean -0.7316
RMS 11.47
Underflow 12
Overflow 36
χ² / ndf 67 / 41
Constant 241 ± 5.2
Mean 0.3685 ± 0.1896
Sigma 10.8 ± 0.1
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3375
Mean x -12.98
Mean y -0.4501
RMS x 17.91
RMS y 23.95
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3375
Mean x -0.7773
Mean y -0.4457
RMS x 11.39
RMS y 23.94
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3375
Mean 0.8139
RMS 0.09169
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3375
Mean 0.5824
RMS 0.1286
Underflow 0
Overflow 0