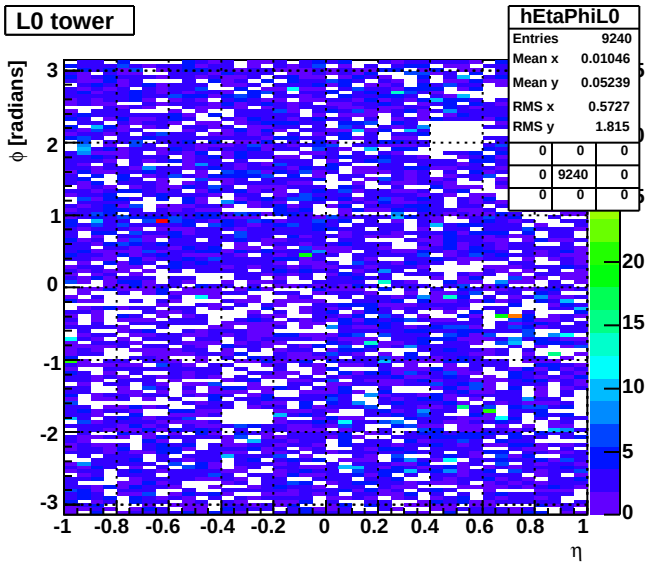
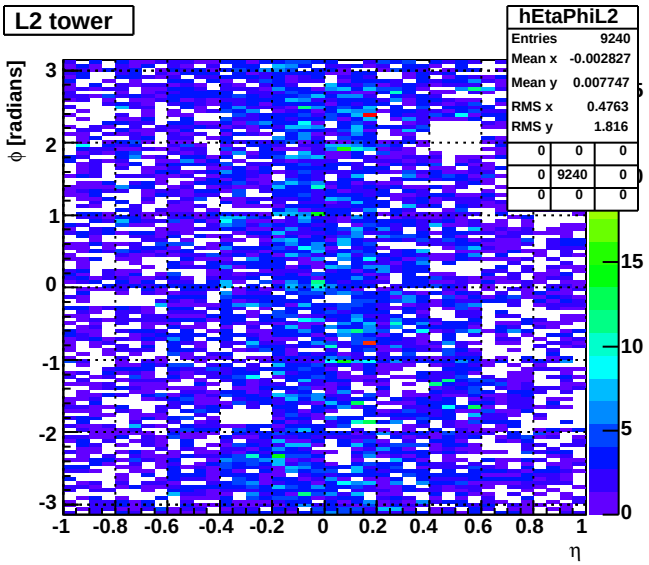
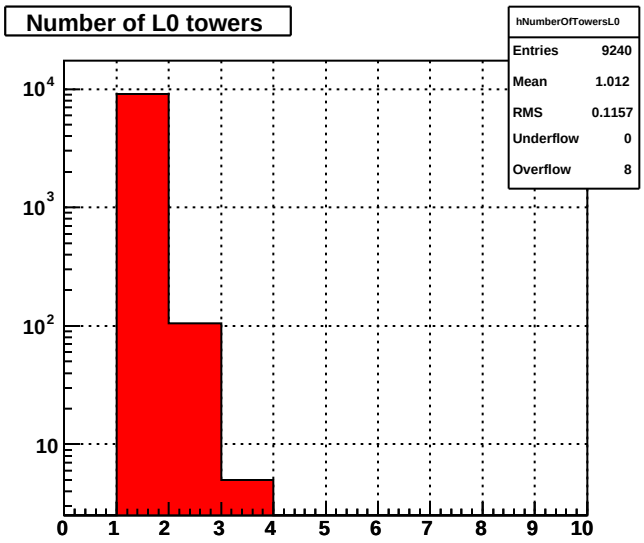
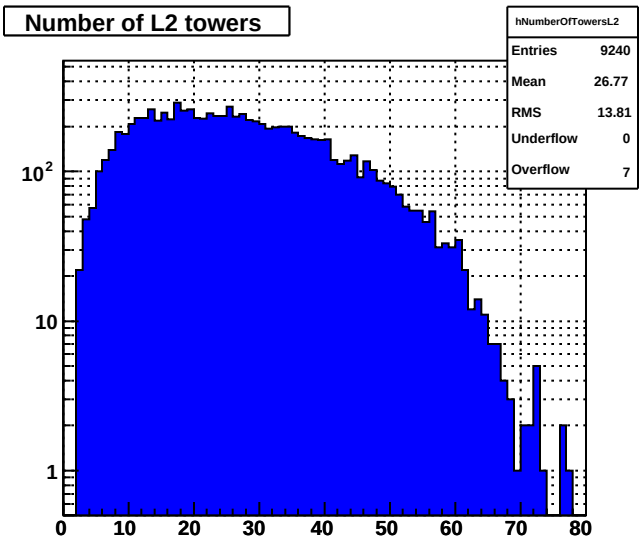
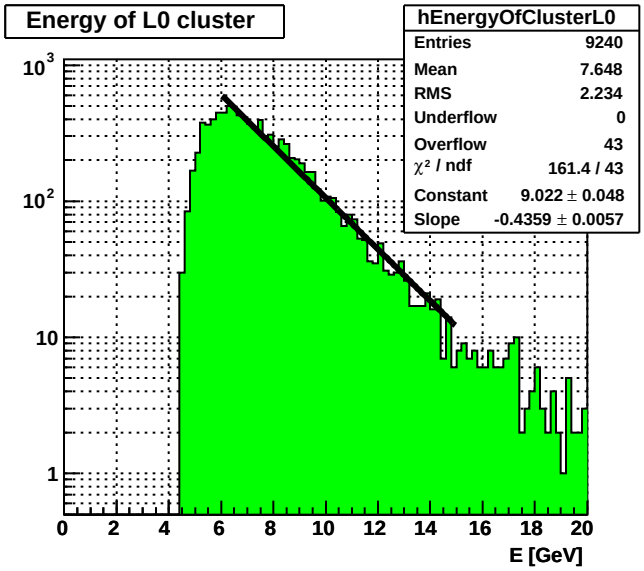
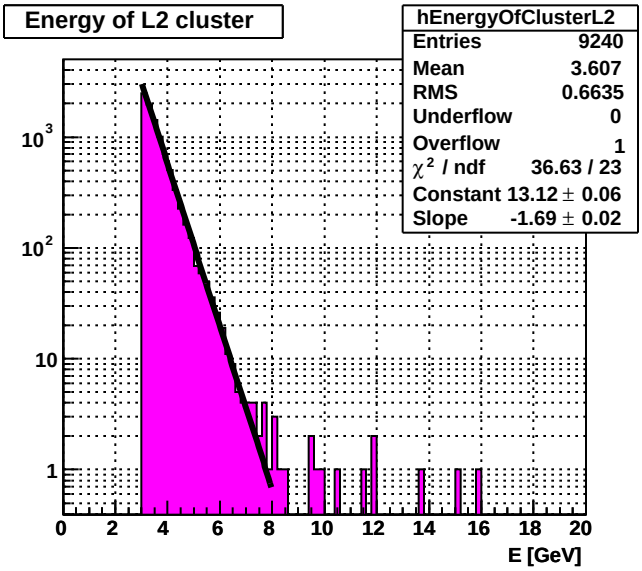

L0 tower
hEtaPhiL0
Entries 9240
Mean x 0.01046
Mean y 0.05239
RMS x 0.5727
RMS y 1.815
φ [radians]
η

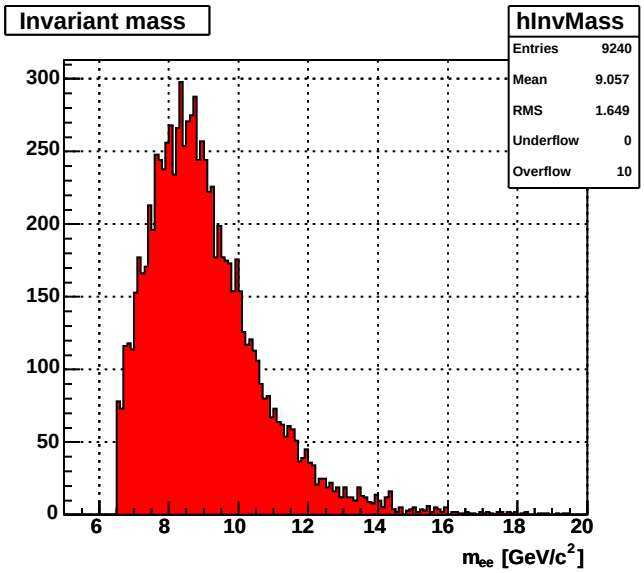

L2 tower
hEtaPhiL2
Entries 9240
Mean x -0.002827
Mean y 0.007747
RMS x 0.4763
RMS y 1.816
φ [radians]
η

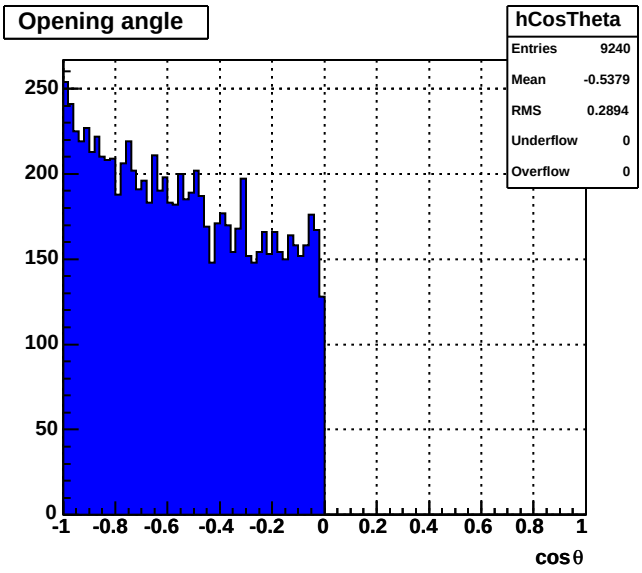

Number of L0 towers
hNumberOfTowersL0
Entries 9240
Mean 1.012
RMS 0.1157
Underflow 0
Overflow 8

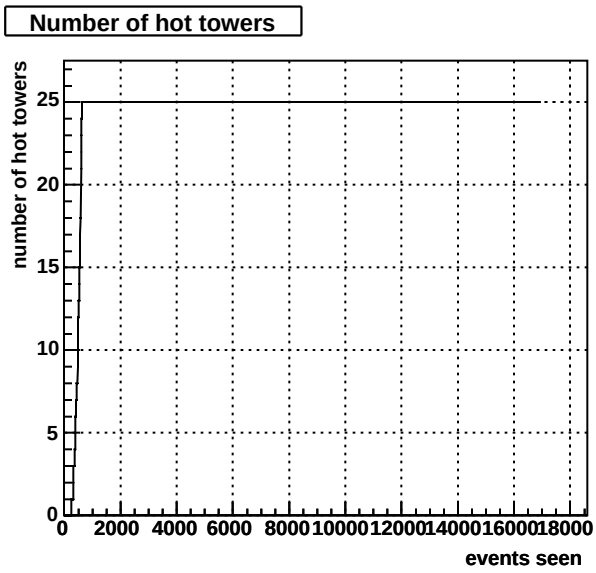

Number of L2 towers
hNumberOfTowersL2
Entries 9240
Mean 26.77
RMS 13.81
Underflow 0
Overflow 7

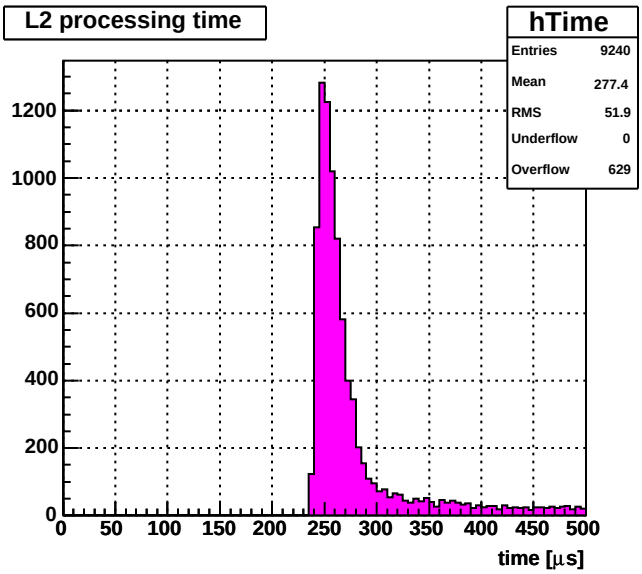

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9240
Mean 7.648
RMS 2.234
Underflow 0
Overflow 43
χ² / ndf 161.4 / 43
Constant 9.022 ± 0.048
Slope -0.4359 ± 0.0057
E [GeV]

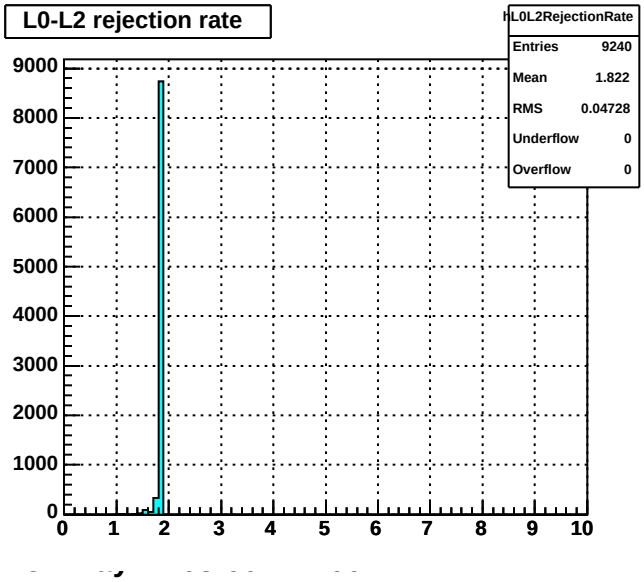

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9240
Mean 3.607
RMS 0.6635
Underflow 0
Overflow 1
χ² / ndf 36.63 / 23
Constant 13.12 ± 0.06
Slope -1.69 ± 0.02
E [GeV]

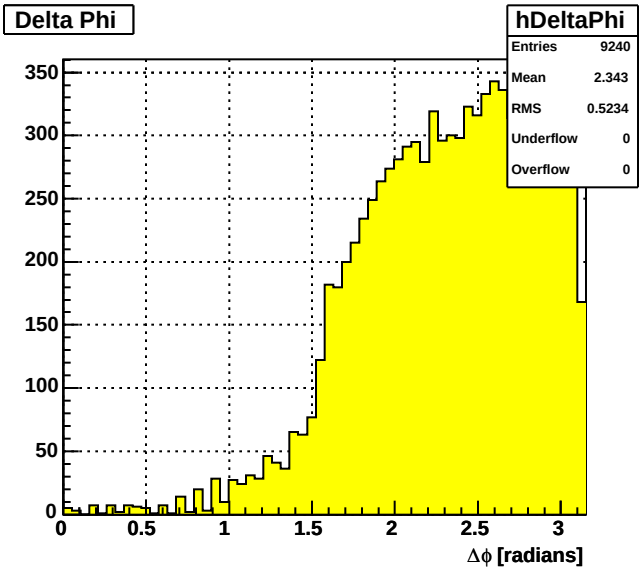

Invariant mass
hInvMass
Entries 9240
Mean 9.057
RMS 1.649
Underflow 0
Overflow 10
m_{ee} [GeV/c^2]

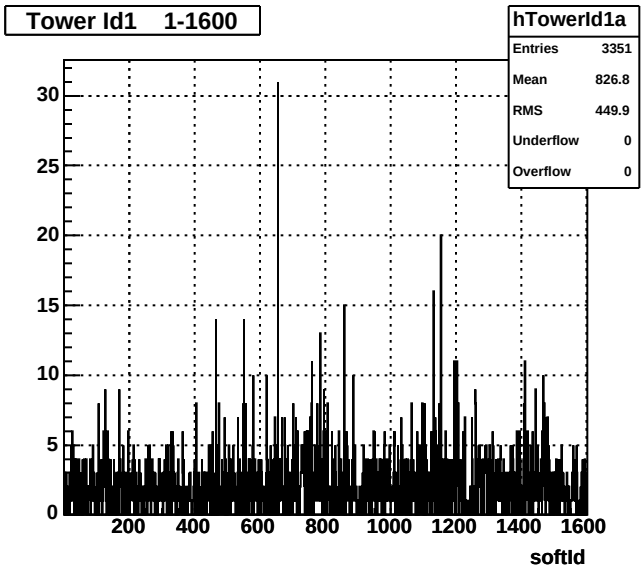

Opening angle
hCosTheta
Entries 9240
Mean -0.5379
RMS 0.2894
Underflow 0
Overflow 0
cos θ

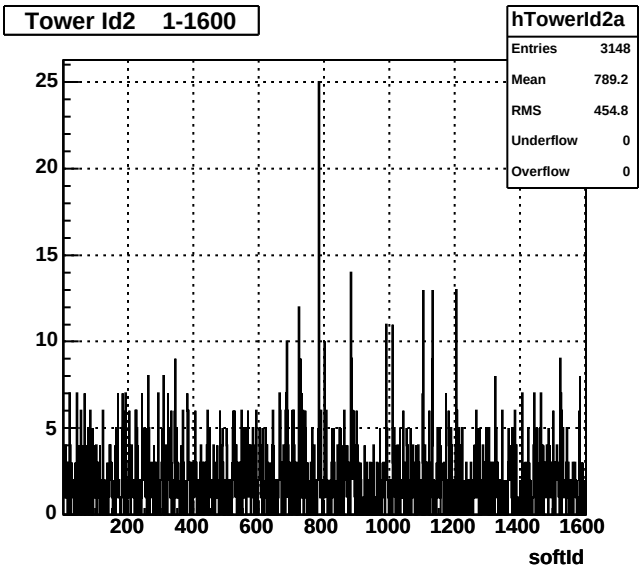

Number of hot towers
number of hot towers
events seen

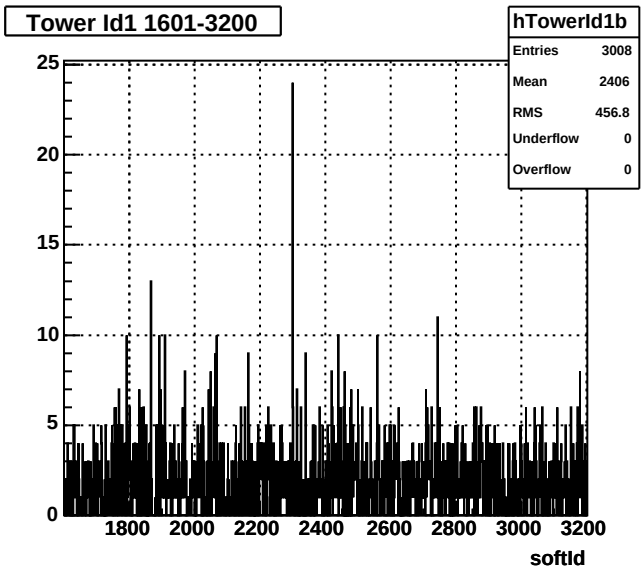

L2 processing time
hTime
Entries 9240
Mean 277.4
RMS 51.9
Underflow 0
Overflow 629
time [μs]

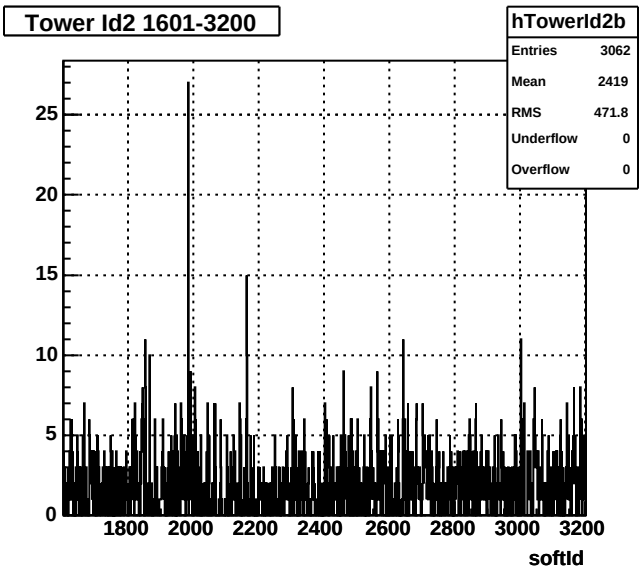

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9240
Mean 1.822
RMS 0.04728
Underflow 0
Overflow 0

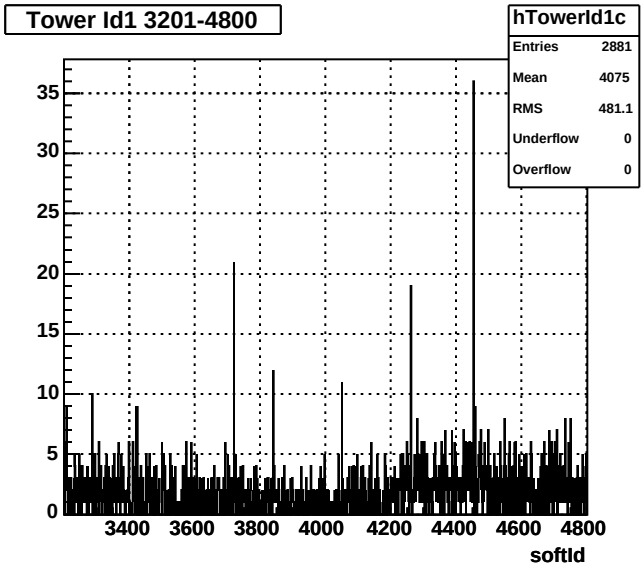

Delta Phi
hDeltaPhi
Entries 9240
Mean 2.343
RMS 0.5234
Underflow 0
Overflow 0
Δφ [radians]

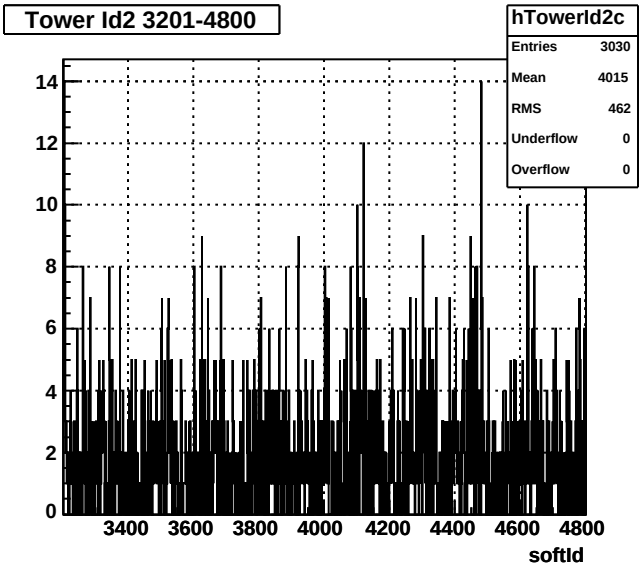

Tower Id1 1-1600
hTowerId1a
Entries 3351
Mean 826.8
RMS 449.9
Underflow 0
Overflow 0
softId

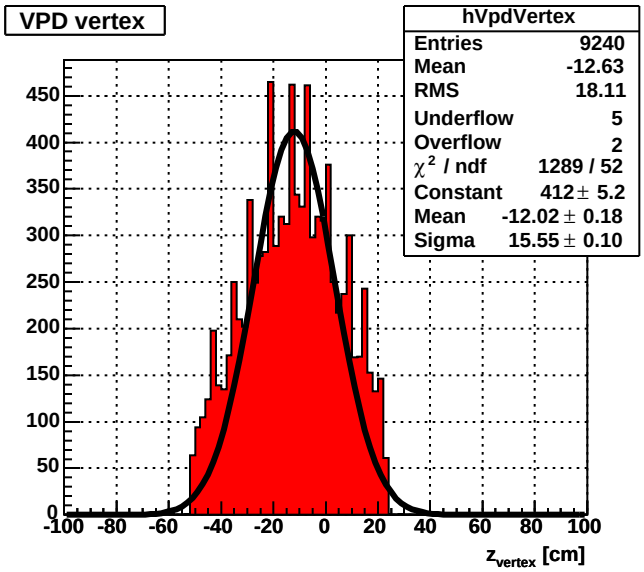

Tower Id2 1-1600
hTowerId2a
Entries 3148
Mean 789.2
RMS 454.8
Underflow 0
Overflow 0
softId

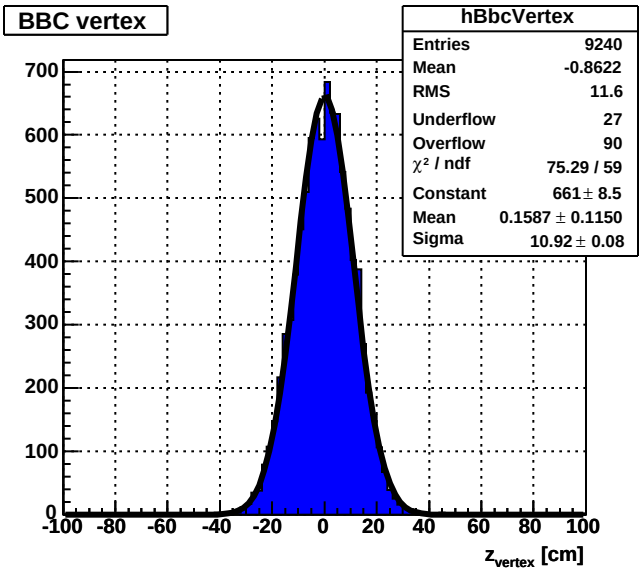

Tower Id1 1601-3200
hTowerId1b
Entries 3008
Mean 2406
RMS 456.8
Underflow 0
Overflow 0
softId

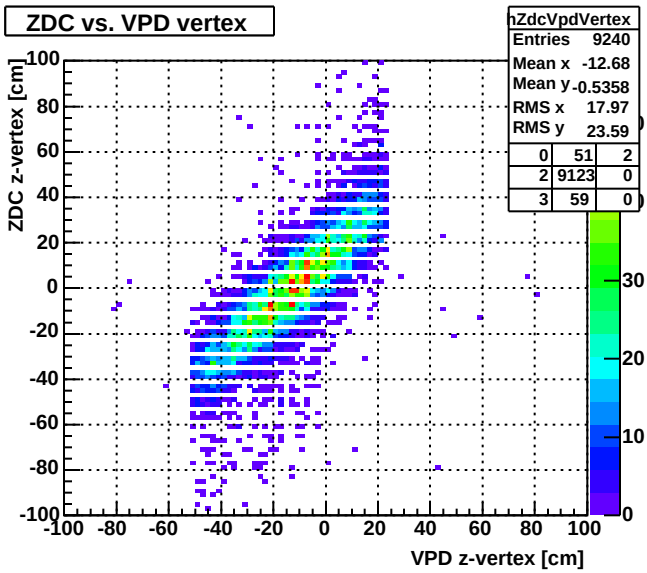

Tower Id2 1601-3200
hTowerId2b
Entries 3062
Mean 2419
RMS 471.8
Underflow 0
Overflow 0
softId

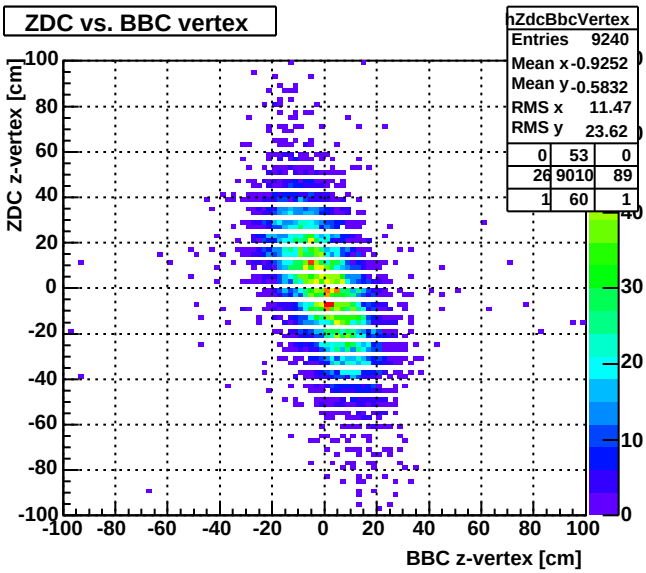

Tower Id1 3201-4800
hTowerId1c
Entries 2881
Mean 4075
RMS 481.1
Underflow 0
Overflow 0
softId

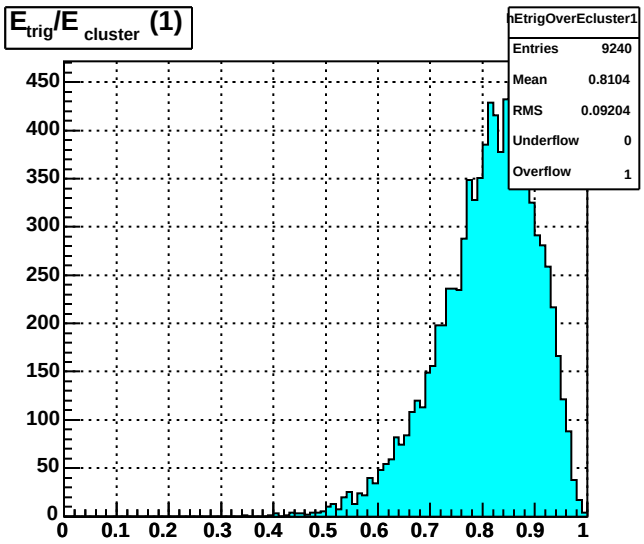

Tower Id2 3201-4800
hTowerId2c
Entries 3030
Mean 4015
RMS 462
Underflow 0
Overflow 0
softId

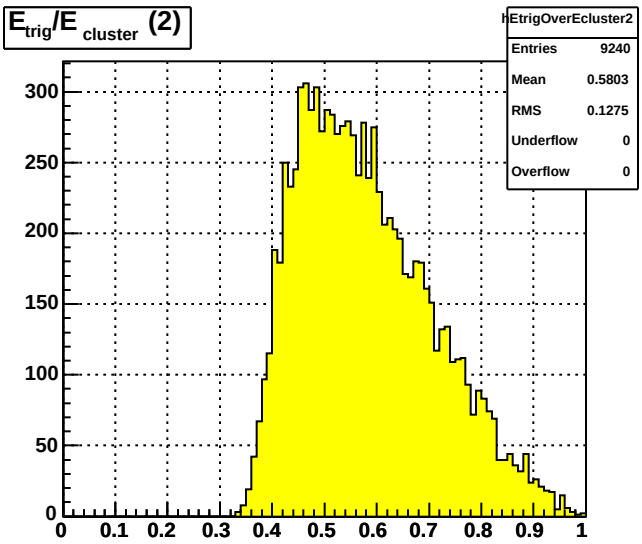

VPD vertex
hVpdVertex
Entries 9240
Mean -12.63
RMS 18.11
Underflow 5
Overflow 2
χ² / ndf 1289 / 52
Constant 412 ± 5.2
Mean -12.02 ± 0.18
Sigma 15.55 ± 0.10
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9240
Mean -0.8622
RMS 11.6
Underflow 27
Overflow 90
χ² / ndf 75.29 / 59
Constant 661 ± 8.5
Mean 0.1587 ± 0.1150
Sigma 10.92 ± 0.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9240
Mean x -12.68
Mean y -0.5358
RMS x 17.97
RMS y 23.59
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9240
Mean x -0.9252
Mean y -0.5832
RMS x 11.47
RMS y 23.62
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9240
Mean 0.8104
RMS 0.09204
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9240
Mean 0.5803
RMS 0.1275
Underflow 0
Overflow 0