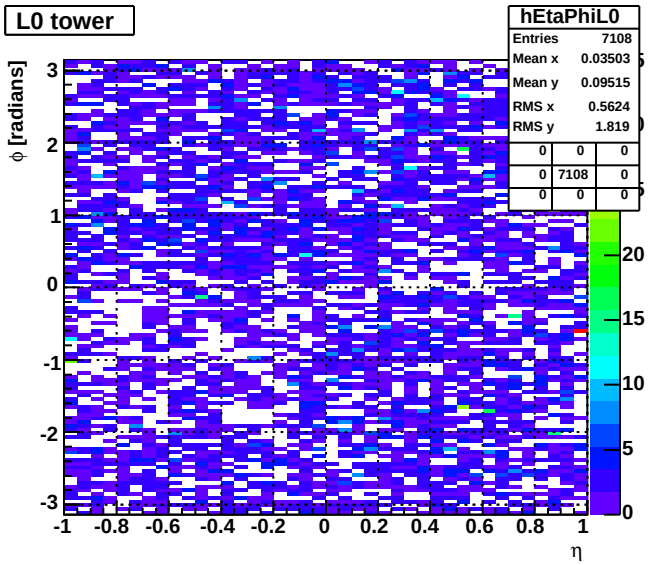
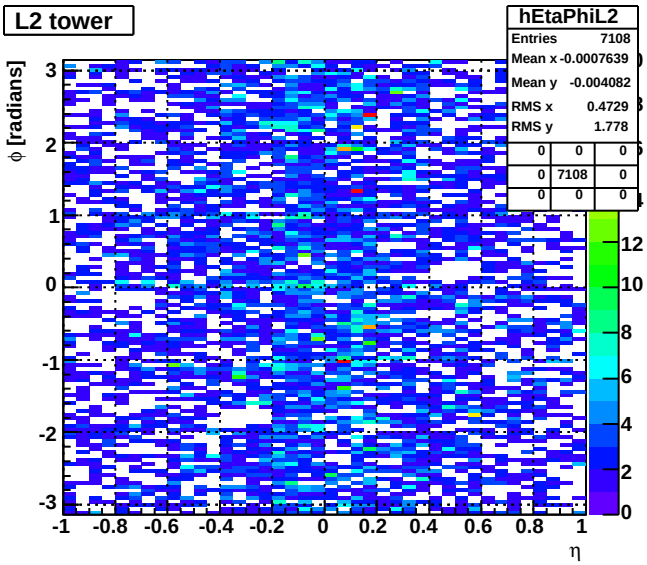
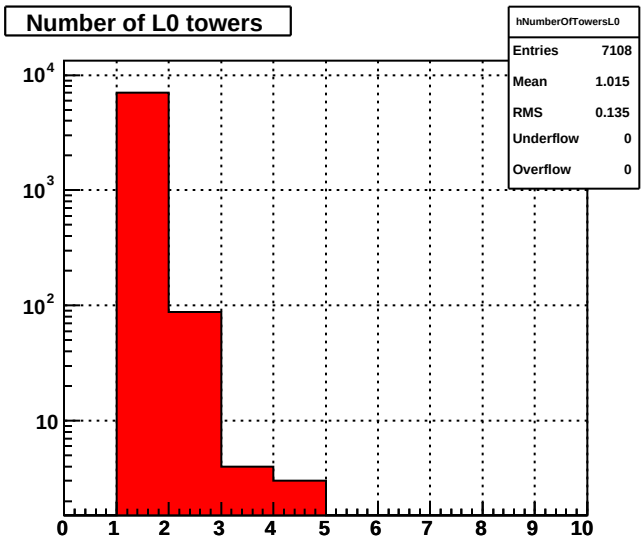
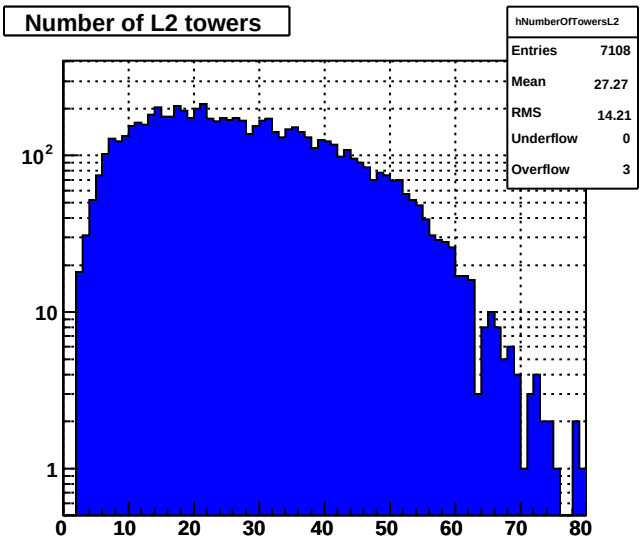
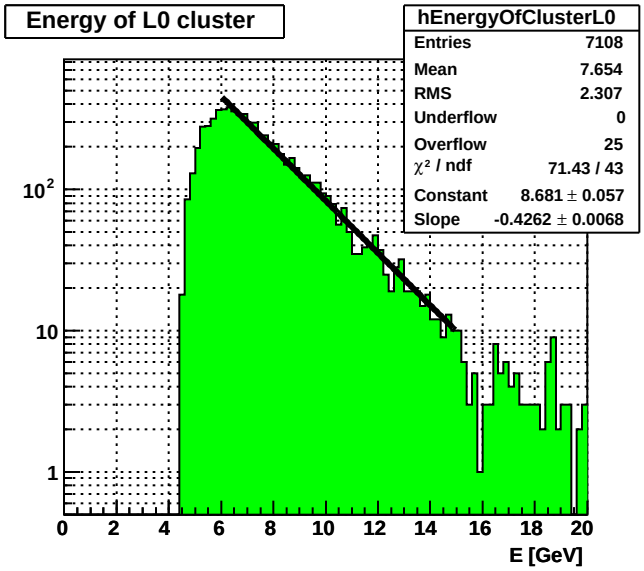
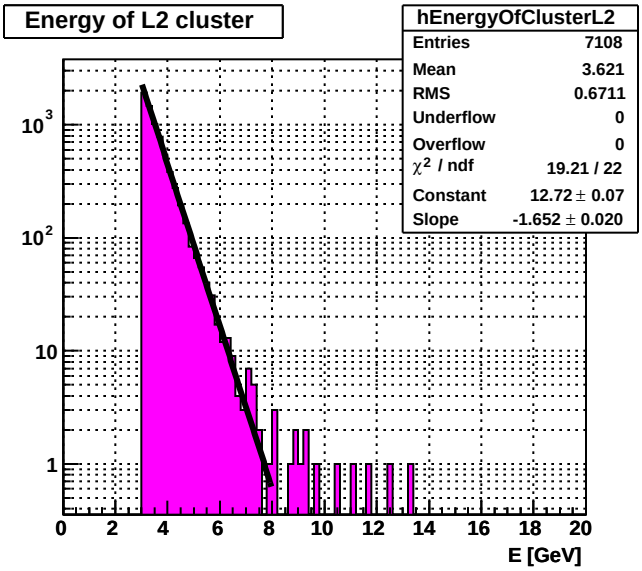

L0 tower
hEtaPhiL0
Entries 7108
Mean x 0.03503
Mean y 0.09515
RMS x 0.5624
RMS y 1.819
φ [radians]
η

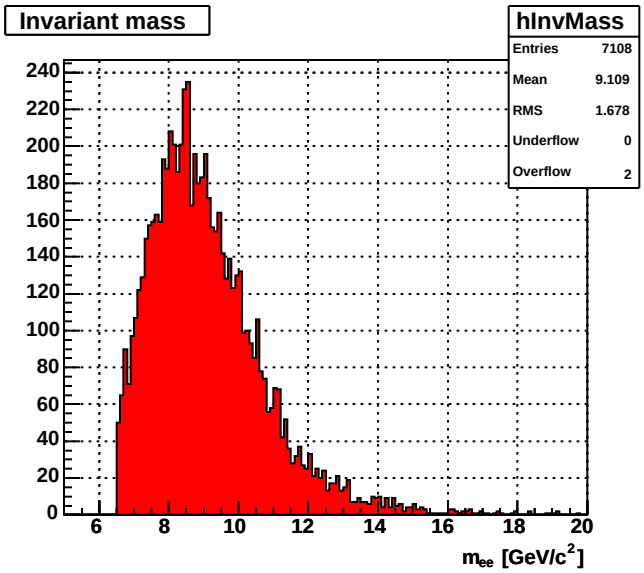

L2 tower
hEtaPhiL2
Entries 7108
Mean x -0.0007639
Mean y -0.004082
RMS x 0.4729
RMS y 1.778
φ [radians]
η

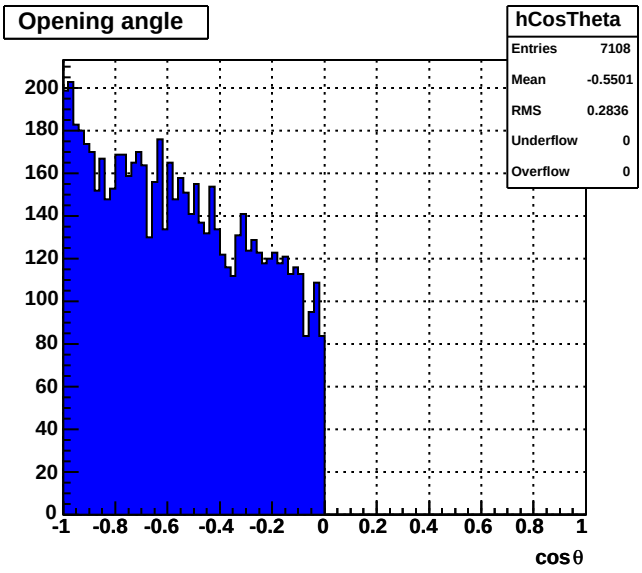

Number of L0 towers
hNumberOfTowersL0
Entries 7108
Mean 1.015
RMS 0.135
Underflow 0
Overflow 0

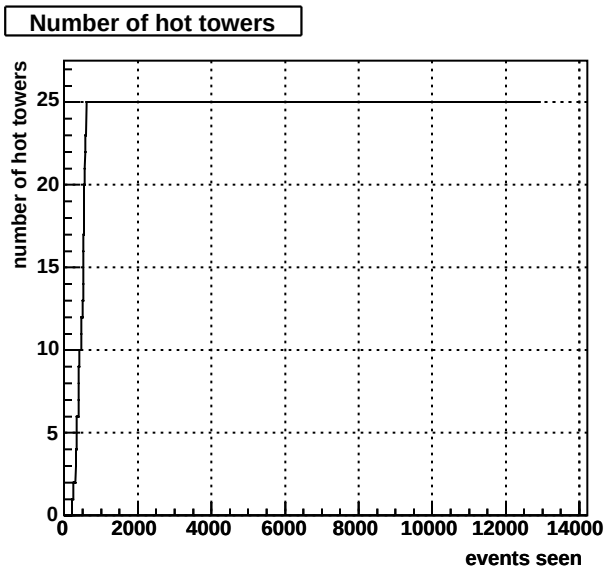

Number of L2 towers
hNumberOfTowersL2
Entries 7108
Mean 27.27
RMS 14.21
Underflow 0
Overflow 3

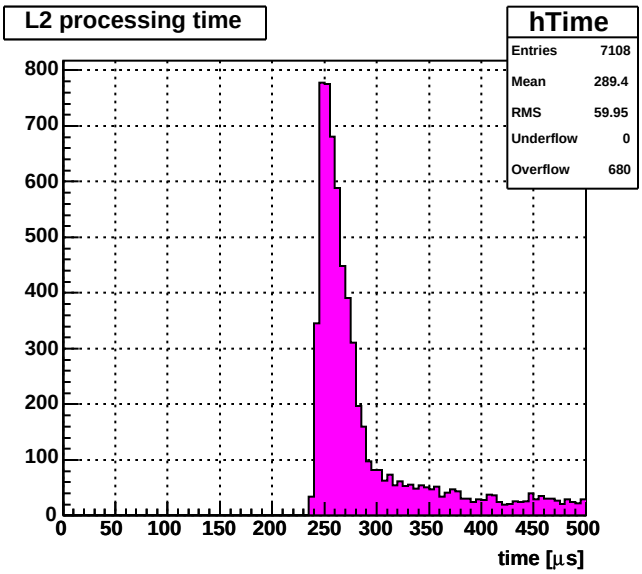

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7108
Mean 7.654
RMS 2.307
Underflow 0
Overflow 25
χ² / ndf 71.43 / 43
Constant 8.681 ± 0.057
Slope -0.4262 ± 0.0068
E [GeV]

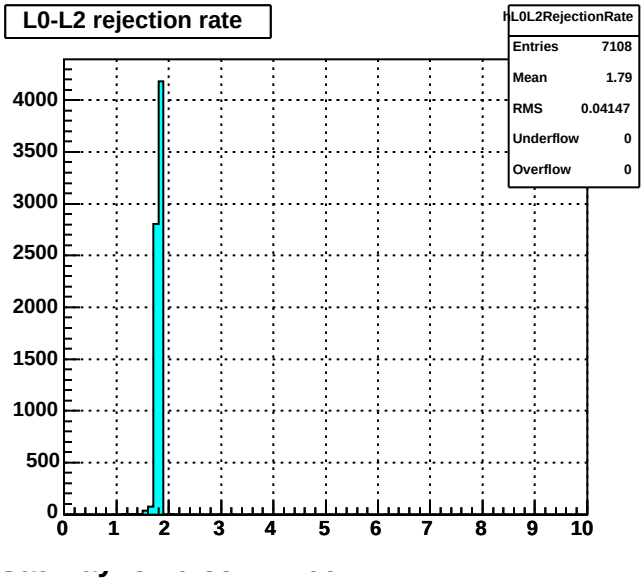

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7108
Mean 3.621
RMS 0.6711
Underflow 0
Overflow 0
χ² / ndf 19.21 / 22
Constant 12.72 ± 0.07
Slope -1.652 ± 0.020
E [GeV]

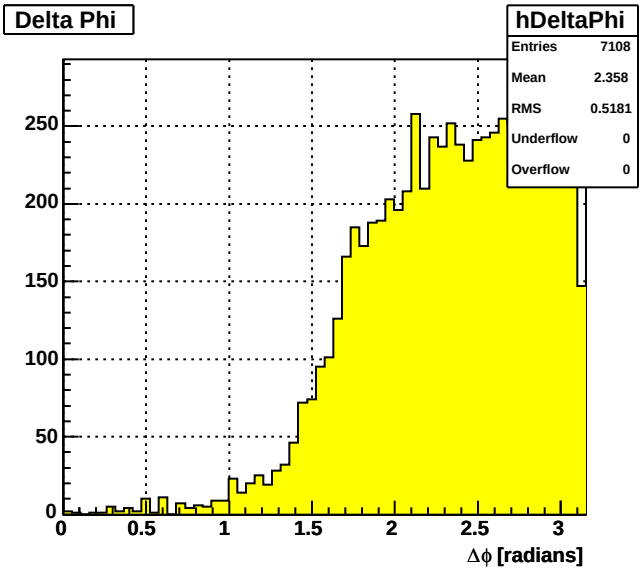

Invariant mass
hInvMass
Entries 7108
Mean 9.109
RMS 1.678
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

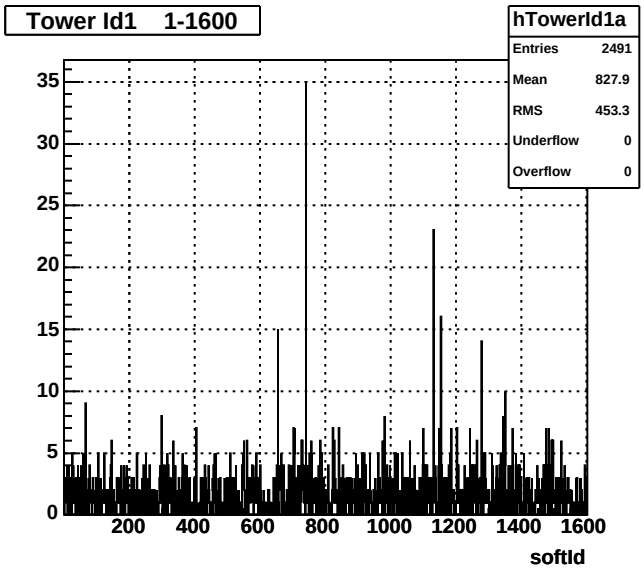

Opening angle
hCosTheta
Entries 7108
Mean -0.5501
RMS 0.2836
Underflow 0
Overflow 0
cos θ

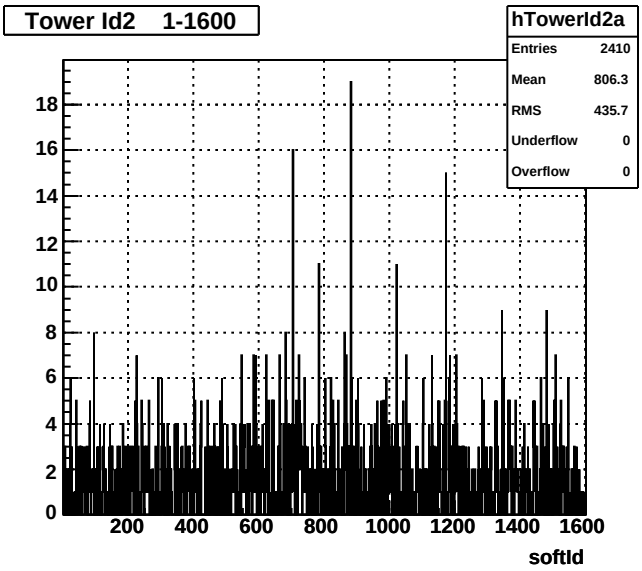

Number of hot towers
number of hot towers
events seen

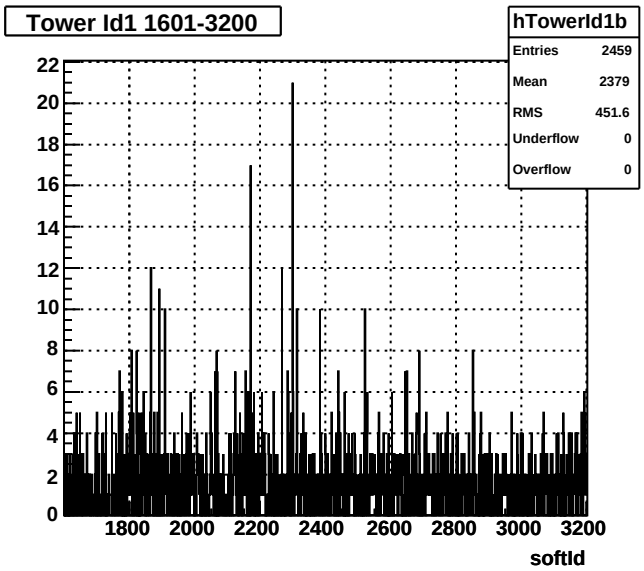

L2 processing time
hTime
Entries 7108
Mean 289.4
RMS 59.95
Underflow 0
Overflow 680
time [μs]

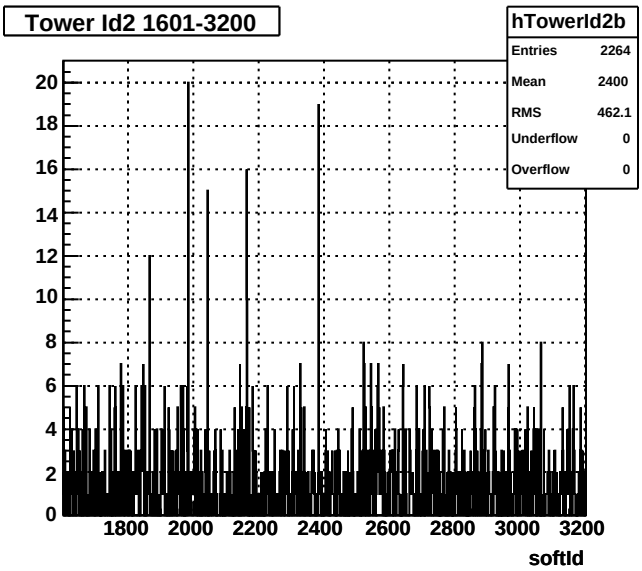

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7108
Mean 1.79
RMS 0.04147
Underflow 0
Overflow 0

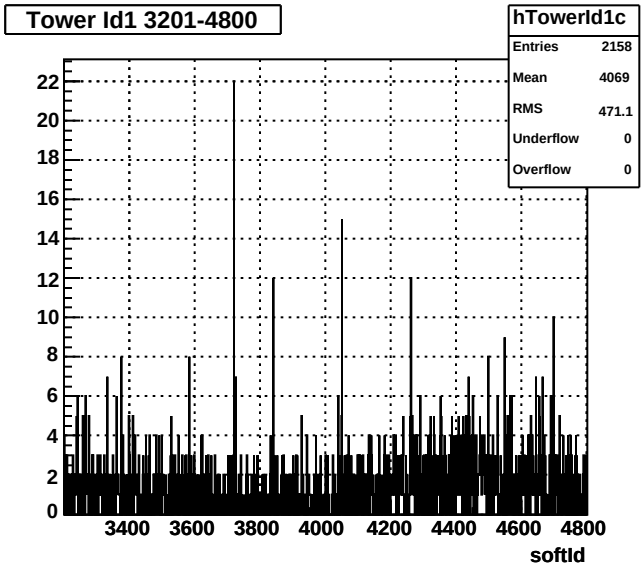

Delta Phi
hDeltaPhi
Entries 7108
Mean 2.358
RMS 0.5181
Underflow 0
Overflow 0
Δφ [radians]

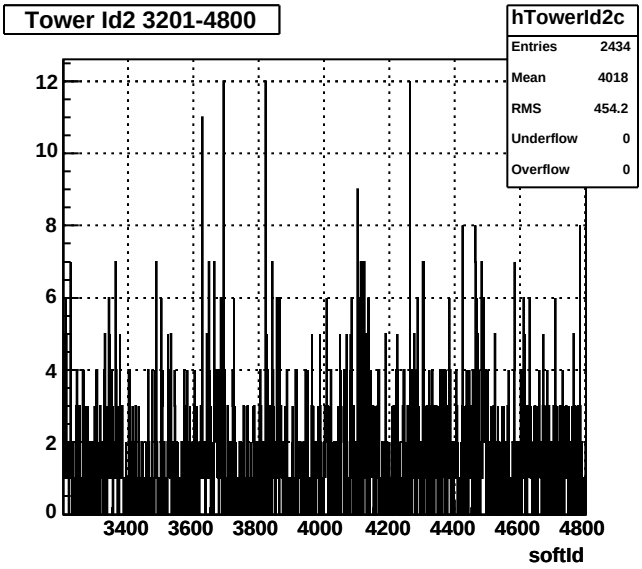

Tower Id1 1-1600
hTowerId1a
Entries 2491
Mean 827.9
RMS 453.3
Underflow 0
Overflow 0
softId

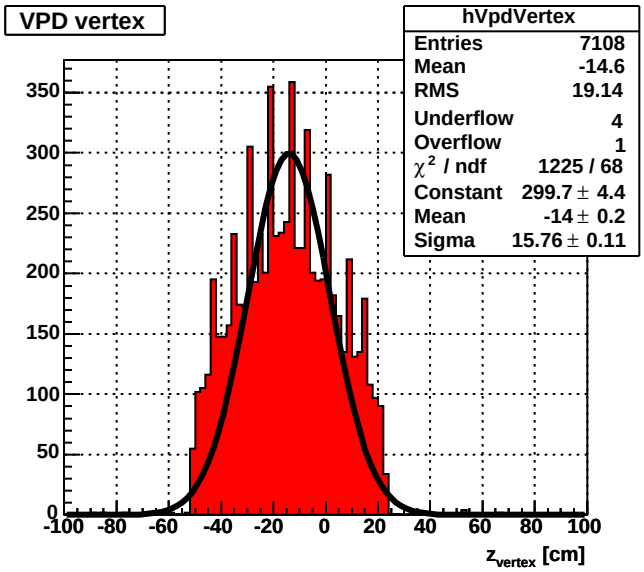

Tower Id2 1-1600
hTowerId2a
Entries 2410
Mean 806.3
RMS 435.7
Underflow 0
Overflow 0
softId

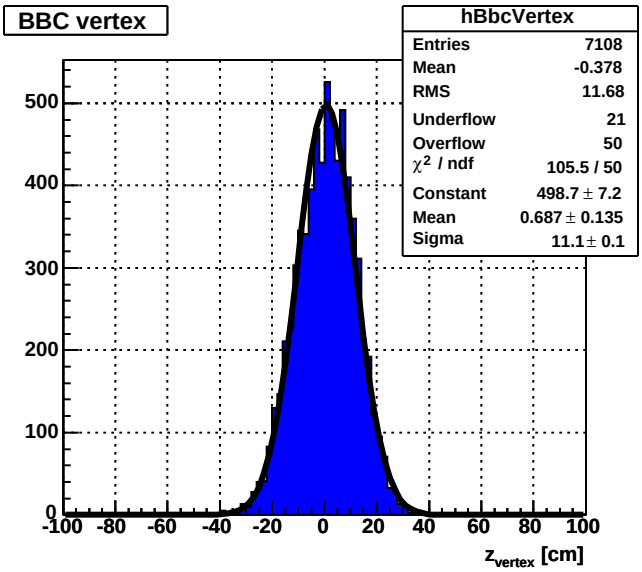

Tower Id1 1601-3200
hTowerId1b
Entries 2459
Mean 2379
RMS 451.6
Underflow 0
Overflow 0
softId

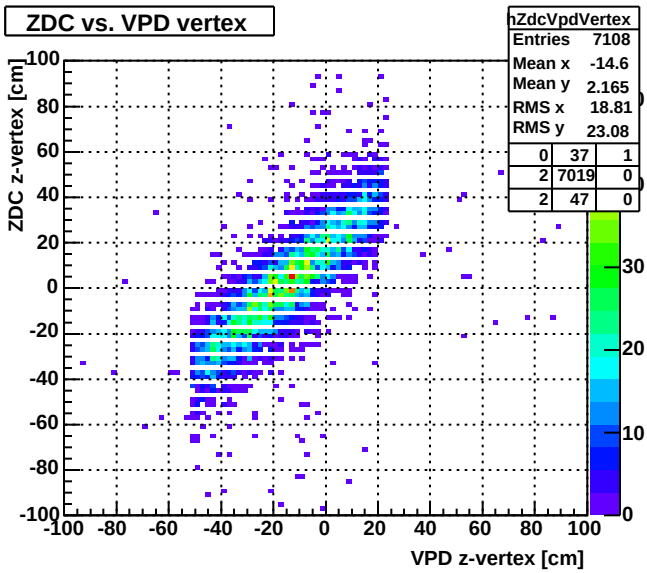

Tower Id2 1601-3200
hTowerId2b
Entries 2264
Mean 2400
RMS 462.1
Underflow 0
Overflow 0
softId

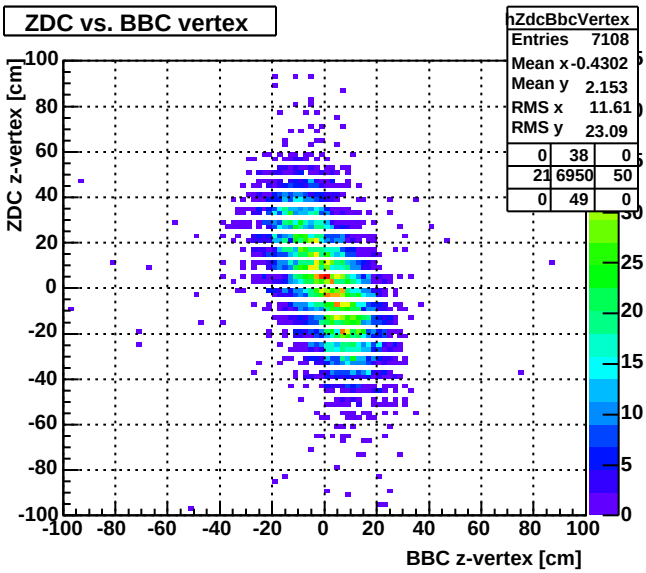

Tower Id1 3201-4800
hTowerId1c
Entries 2158
Mean 4069
RMS 471.1
Underflow 0
Overflow 0
softId

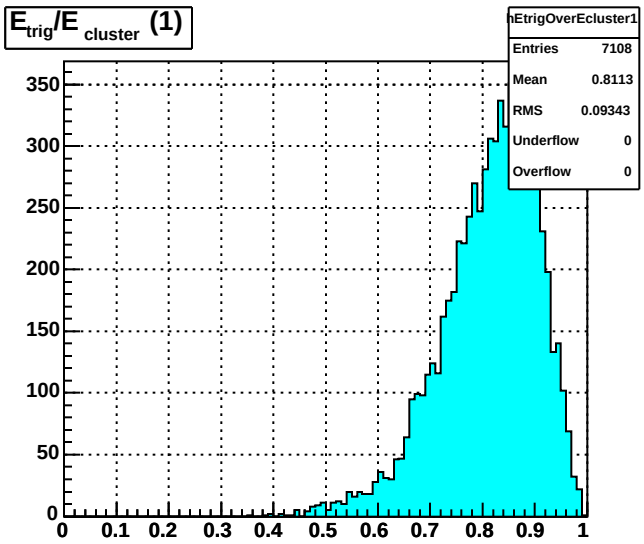

Tower Id2 3201-4800
hTowerId2c
Entries 2434
Mean 4018
RMS 454.2
Underflow 0
Overflow 0
softId

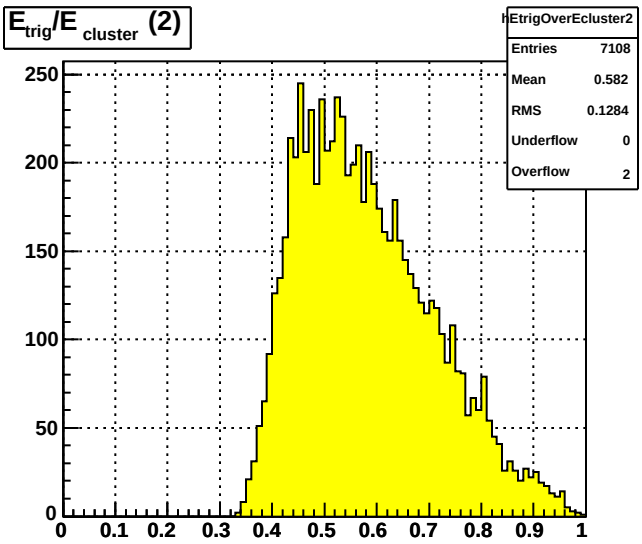

VPD vertex
hVpdVertex
Entries 7108
Mean -14.6
RMS 19.14
Underflow 4
Overflow 1
χ² / ndf 1225 / 68
Constant 299.7 ± 4.4
Mean -14 ± 0.2
Sigma 15.76 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7108
Mean -0.378
RMS 11.68
Underflow 21
Overflow 50
χ² / ndf 105.5 / 50
Constant 498.7 ± 7.2
Mean 0.687 ± 0.135
Sigma 11.1 ± 0.1
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7108
Mean x -14.6
Mean y 2.165
RMS x 18.81
RMS y 23.08
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7108
Mean x -0.4302
Mean y 2.153
RMS x 11.61
RMS y 23.09
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7108
Mean 0.8113
RMS 0.09343
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7108
Mean 0.582
RMS 0.1284
Underflow 0
Overflow 2