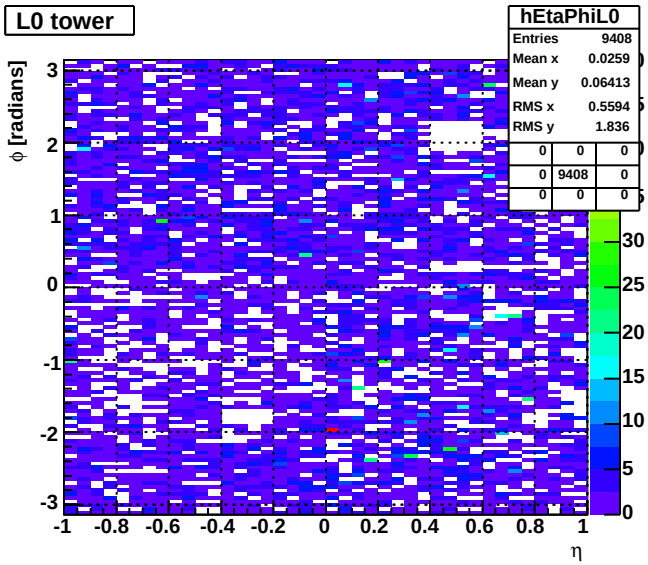
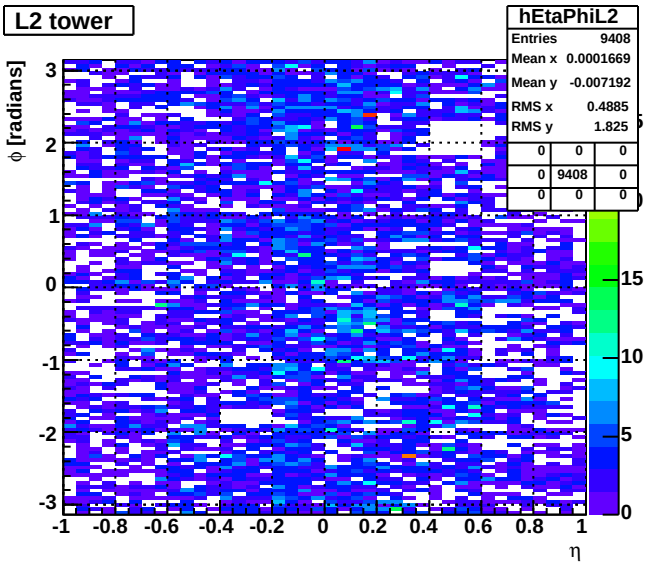
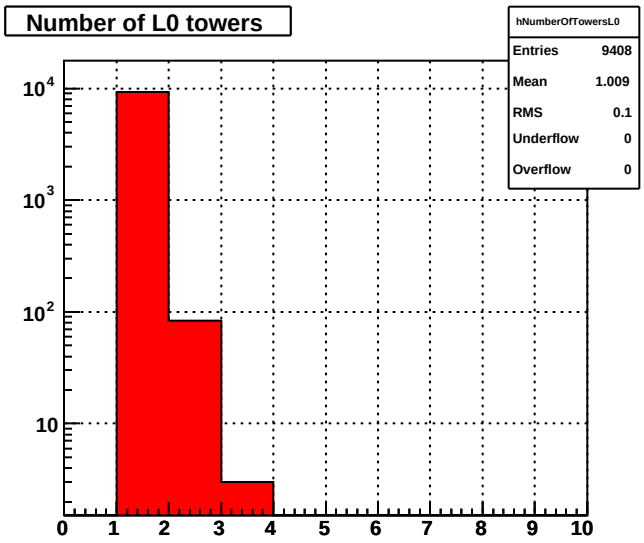
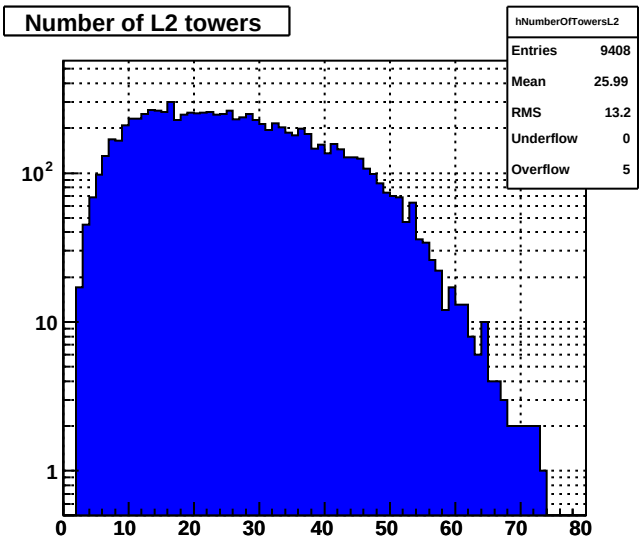
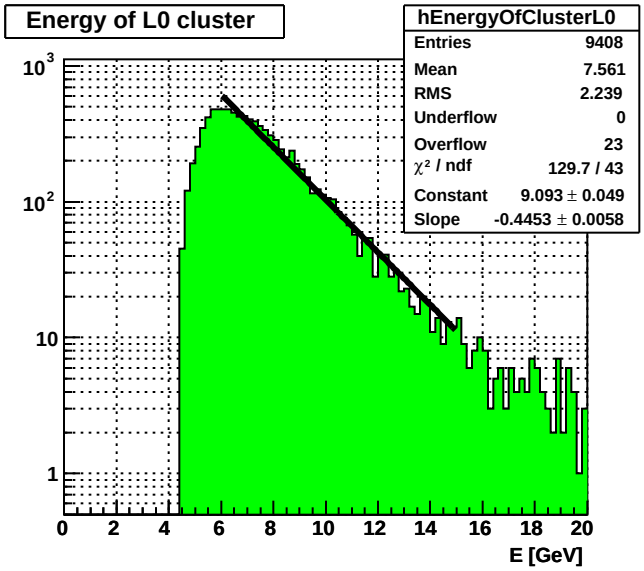
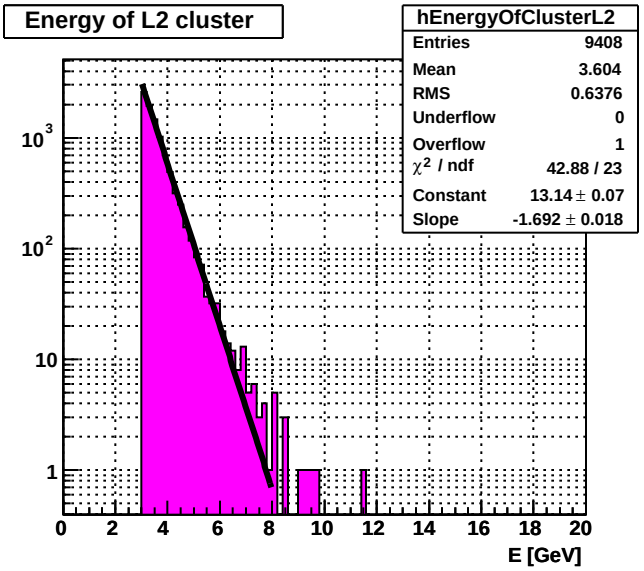

L0 tower
hEtaPhiL0
Entries 9408
Mean x 0.0259
Mean y 0.06413
RMS x 0.5594
RMS y 1.836
φ [radians]
η

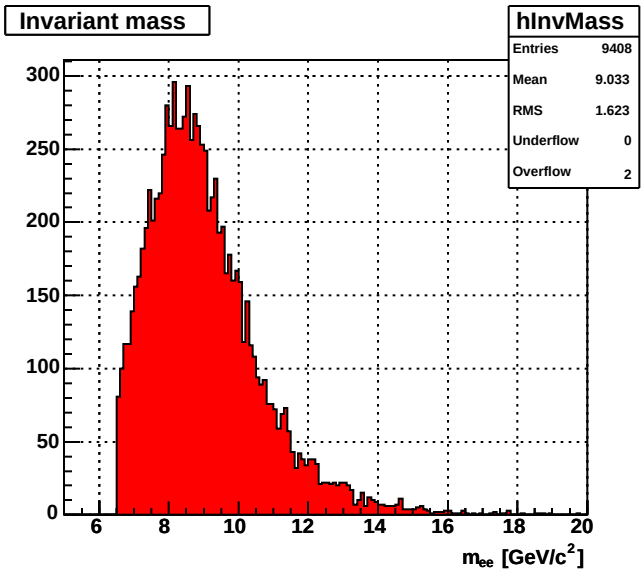

L2 tower
hEtaPhiL2
Entries 9408
Mean x 0.0001669
Mean y -0.007192
RMS x 0.4885
RMS y 1.825
φ [radians]
η

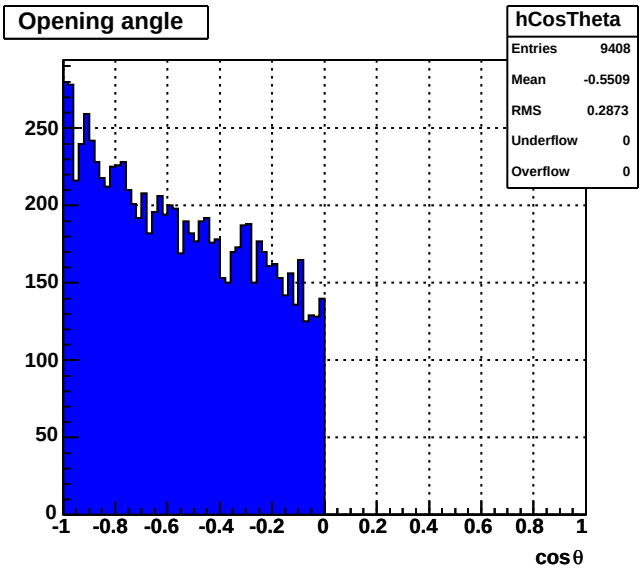

Number of L0 towers
hNumberOfTowersL0
Entries 9408
Mean 1.009
RMS 0.1
Underflow 0
Overflow 0

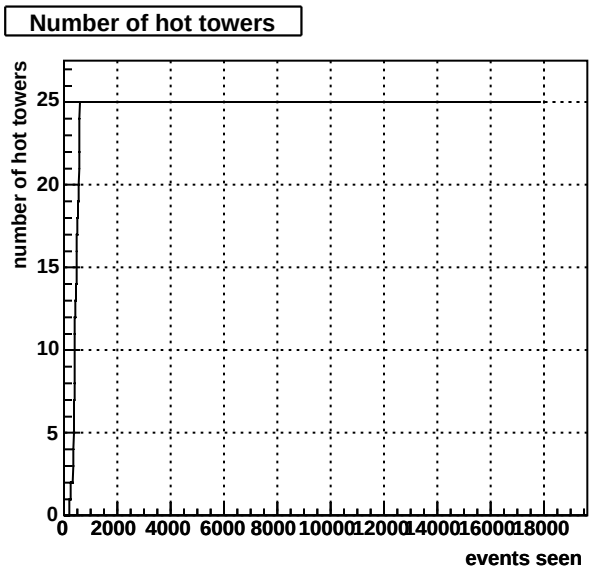

Number of L2 towers
hNumberOfTowersL2
Entries 9408
Mean 25.99
RMS 13.2
Underflow 0
Overflow 5

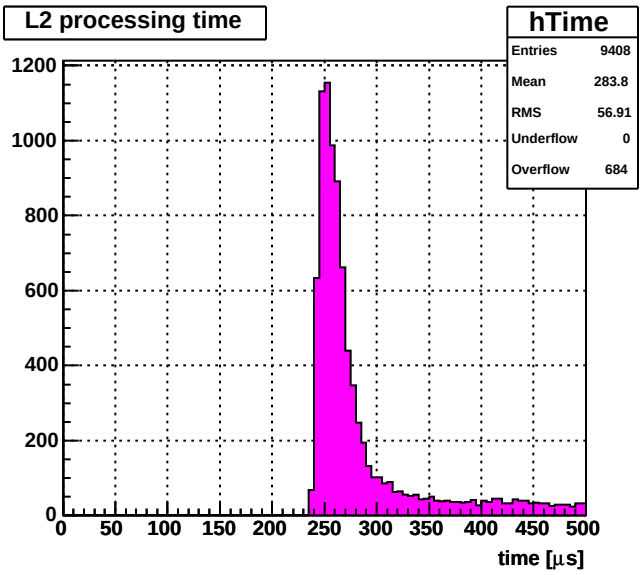

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9408
Mean 7.561
RMS 2.239
Underflow 0
Overflow 23
χ² / ndf 129.7 / 43
Constant 9.093 ± 0.049
Slope -0.4453 ± 0.0058
E [GeV]

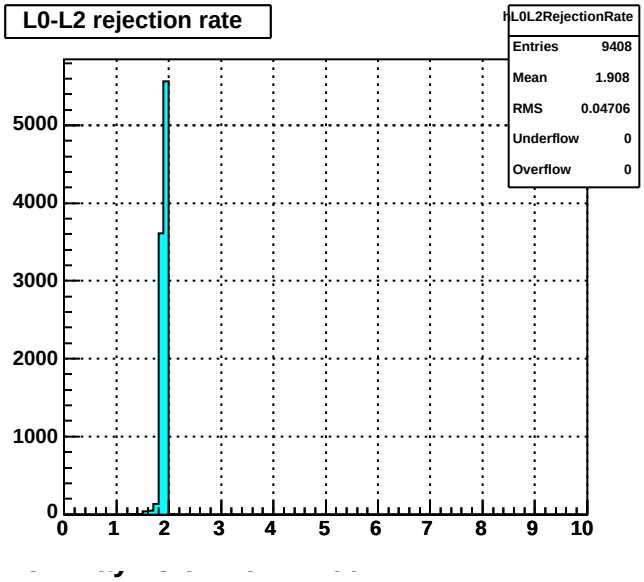

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9408
Mean 3.604
RMS 0.6376
Underflow 0
Overflow 1
χ² / ndf 42.88 / 23
Constant 13.14 ± 0.07
Slope -1.692 ± 0.018
E [GeV]

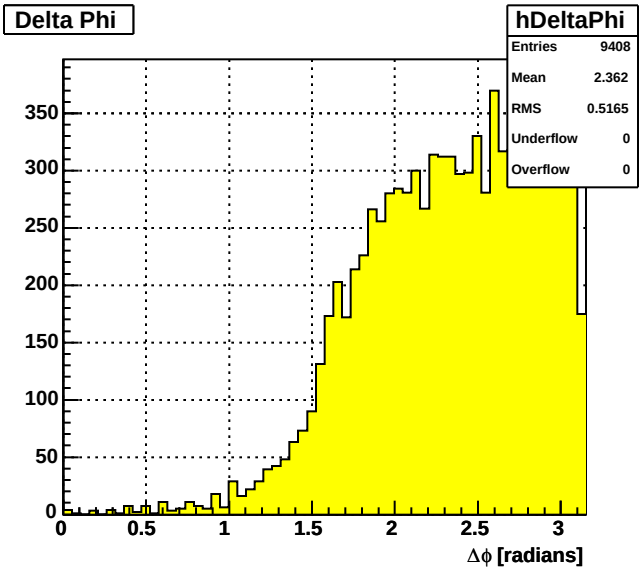

Invariant mass
hInvMass
Entries 9408
Mean 9.033
RMS 1.623
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

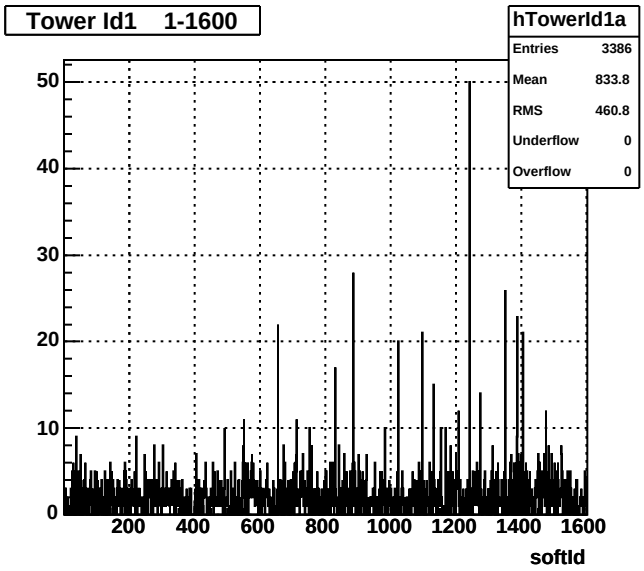

Opening angle
hCosTheta
Entries 9408
Mean -0.5509
RMS 0.2873
Underflow 0
Overflow 0
cos θ

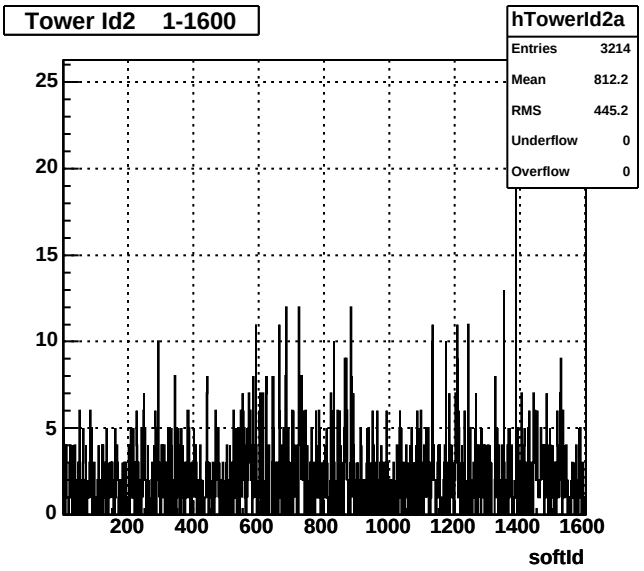

Number of hot towers
number of hot towers
events seen

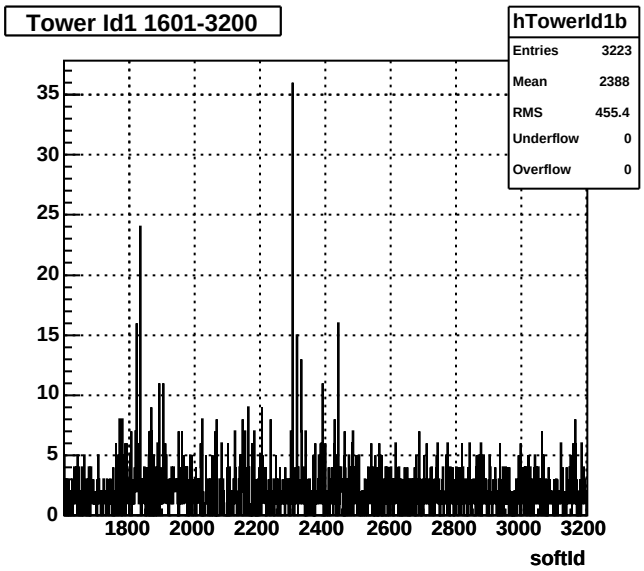

L2 processing time
hTime
Entries 9408
Mean 283.8
RMS 56.91
Underflow 0
Overflow 684
time [μs]

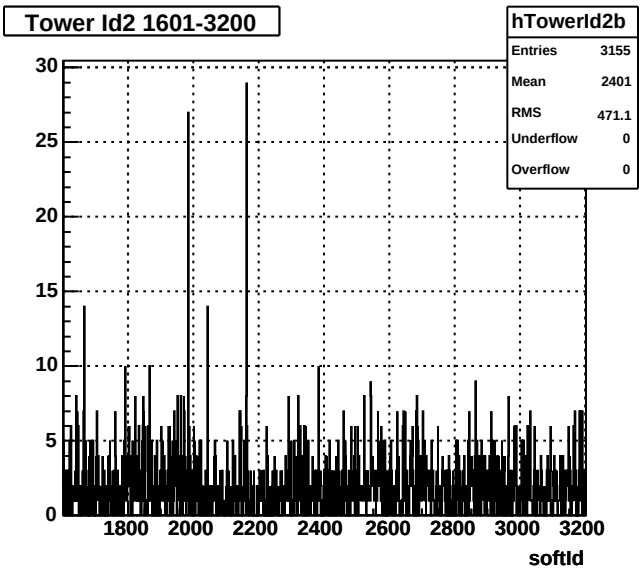

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9408
Mean 1.908
RMS 0.04706
Underflow 0
Overflow 0

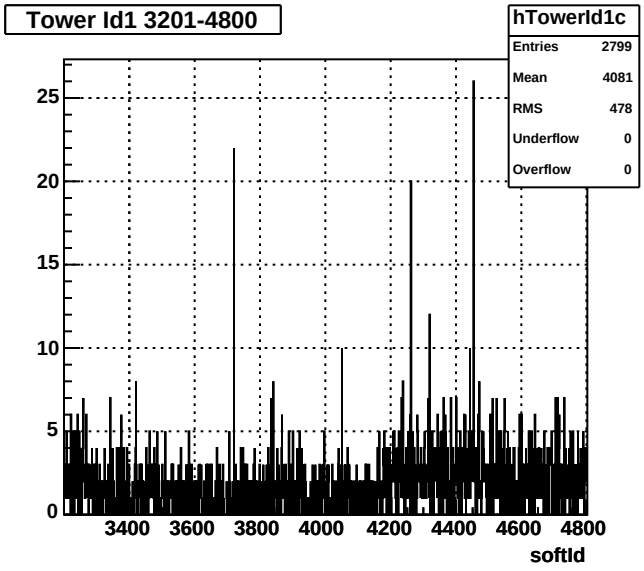

Delta Phi
hDeltaPhi
Entries 9408
Mean 2.362
RMS 0.5165
Underflow 0
Overflow 0
Δϕ [radians]

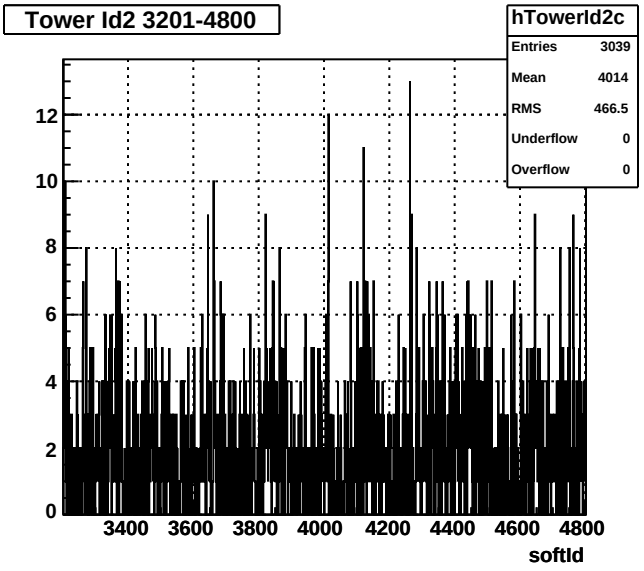

Tower Id1 1-1600
hTowerId1a
Entries 3386
Mean 833.8
RMS 460.8
Underflow 0
Overflow 0
softId

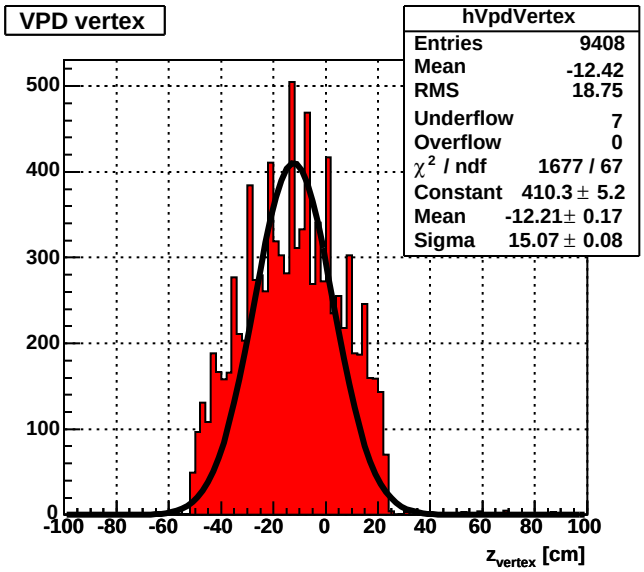

Tower Id2 1-1600
hTowerId2a
Entries 3214
Mean 812.2
RMS 445.2
Underflow 0
Overflow 0
softId

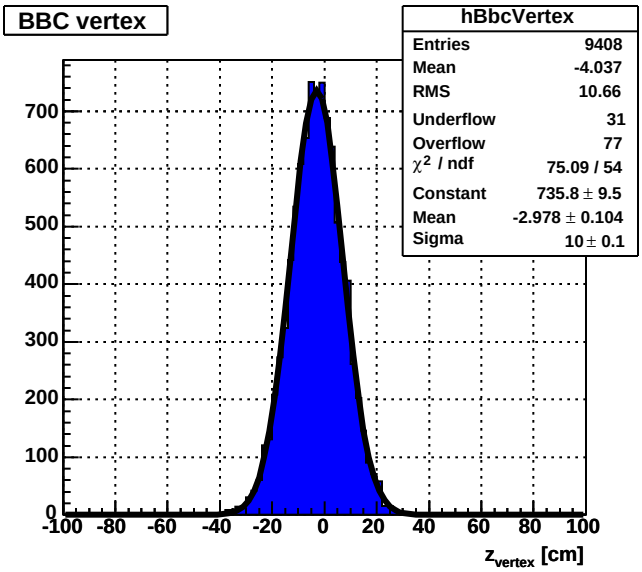

Tower Id1 1601-3200
hTowerId1b
Entries 3223
Mean 2388
RMS 455.4
Underflow 0
Overflow 0
softId

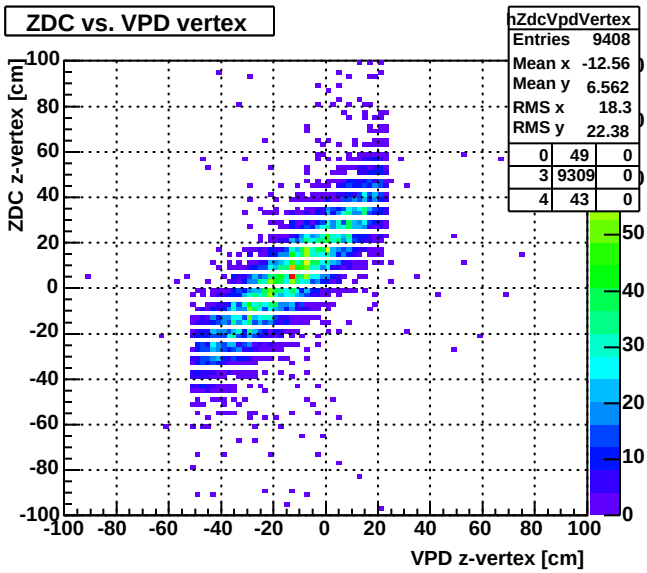

Tower Id2 1601-3200
hTowerId2b
Entries 3155
Mean 2401
RMS 471.1
Underflow 0
Overflow 0
softId

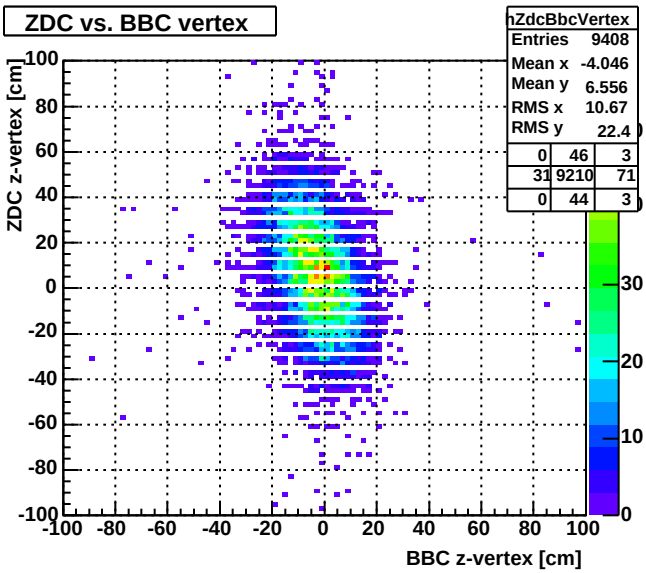

Tower Id1 3201-4800
hTowerId1c
Entries 2799
Mean 4081
RMS 478
Underflow 0
Overflow 0
softId

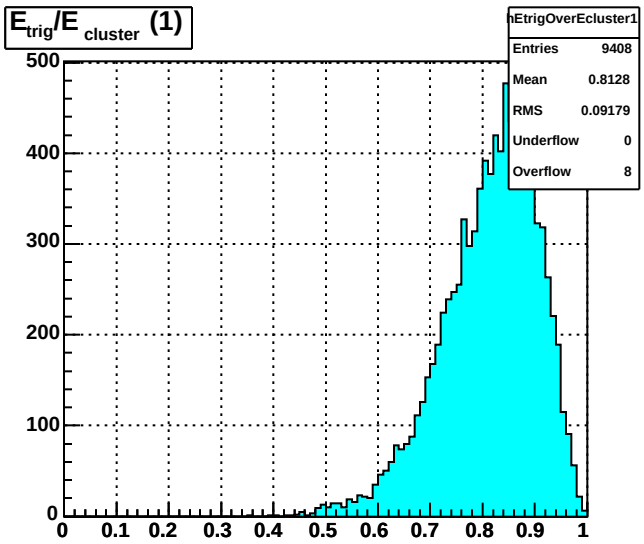

Tower Id2 3201-4800
hTowerId2c
Entries 3039
Mean 4014
RMS 466.5
Underflow 0
Overflow 0
softId

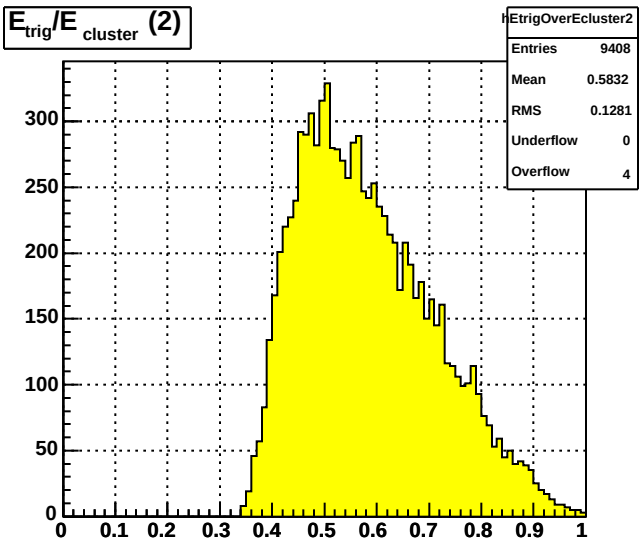

VPD vertex
hVpdVertex
Entries 9408
Mean -12.42
RMS 18.75
Underflow 7
Overflow 0
χ² / ndf 1677 / 67
Constant 410.3 ± 5.2
Mean -12.21 ± 0.17
Sigma 15.07 ± 0.08
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9408
Mean -4.037
RMS 10.66
Underflow 31
Overflow 77
χ² / ndf 75.09 / 54
Constant 735.8 ± 9.5
Mean -2.978 ± 0.104
Sigma 10 ± 0.1
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9408
Mean x -12.56
Mean y 6.562
RMS x 18.3
RMS y 22.38
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9408
Mean x -4.046
Mean y 6.556
RMS x 10.67
RMS y 22.4
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9408
Mean 0.8128
RMS 0.09179
Underflow 0
Overflow 8


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9408
Mean 0.5832
RMS 0.1281
Underflow 0
Overflow 4