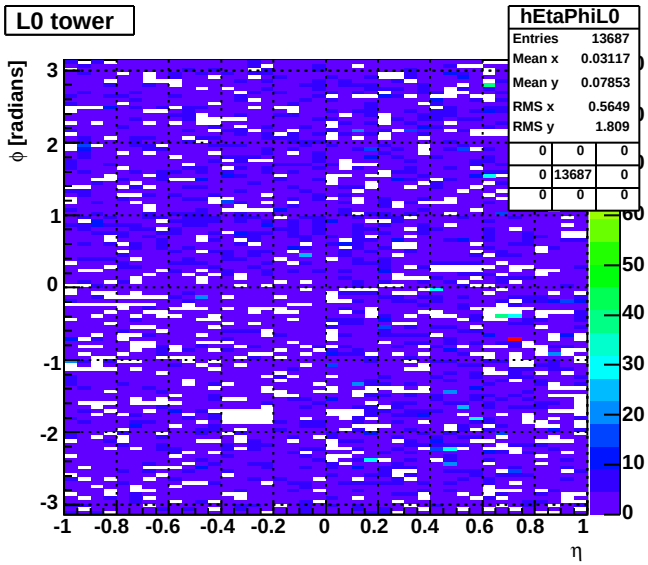
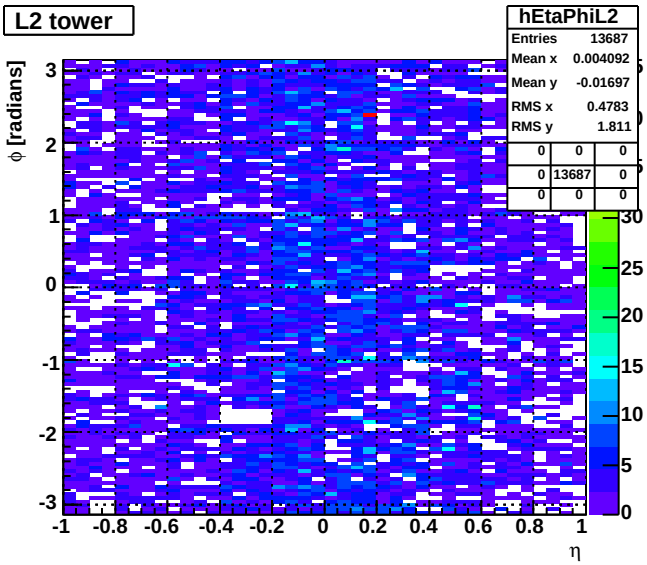
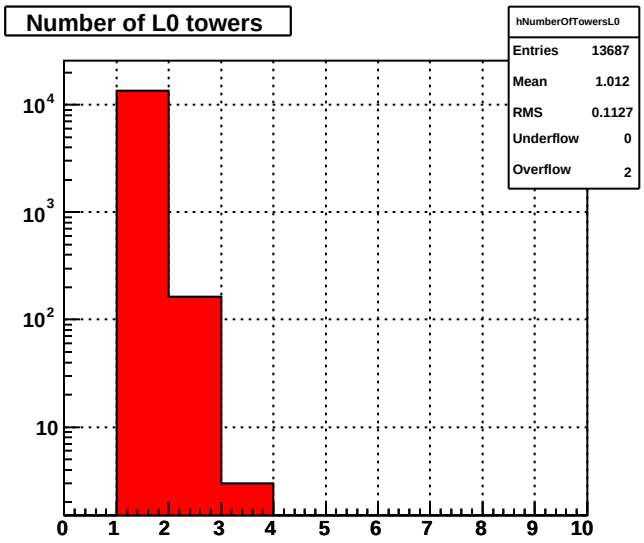
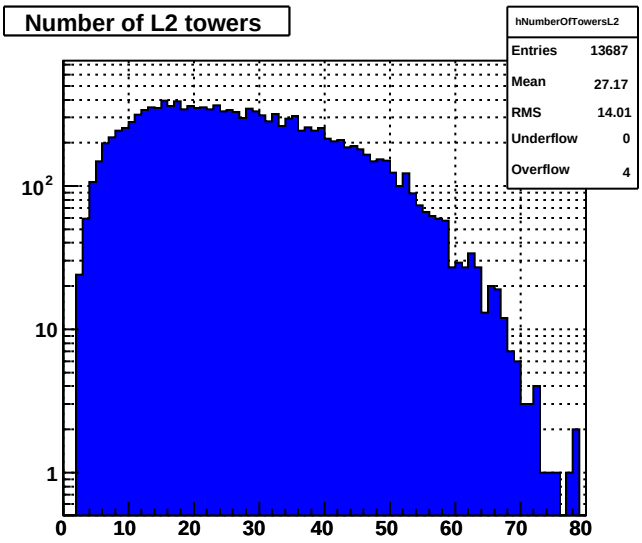
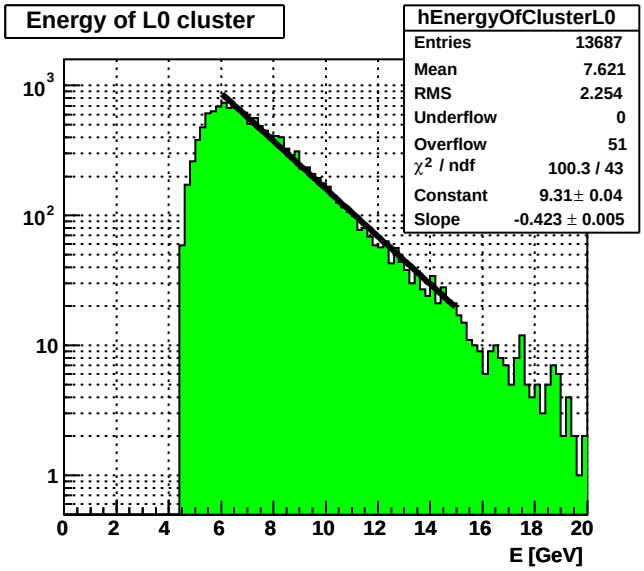
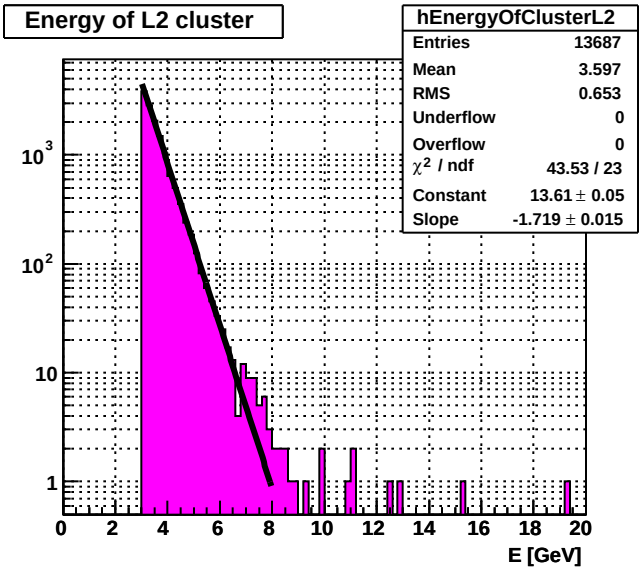

L0 tower
hEtaPhiL0
Entries 13687
Mean x 0.03117
Mean y 0.07853
RMS x 0.5649
RMS y 1.809
φ [radians]
η

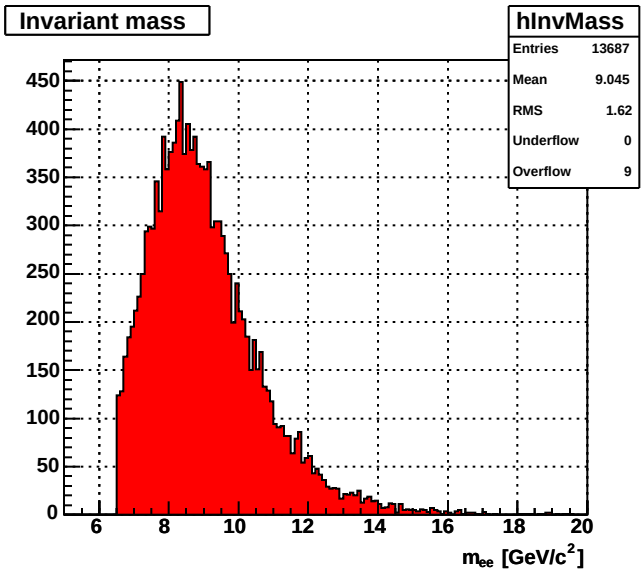

L2 tower
hEtaPhiL2
Entries 13687
Mean x 0.004092
Mean y -0.01697
RMS x 0.4783
RMS y 1.811
φ [radians]
η

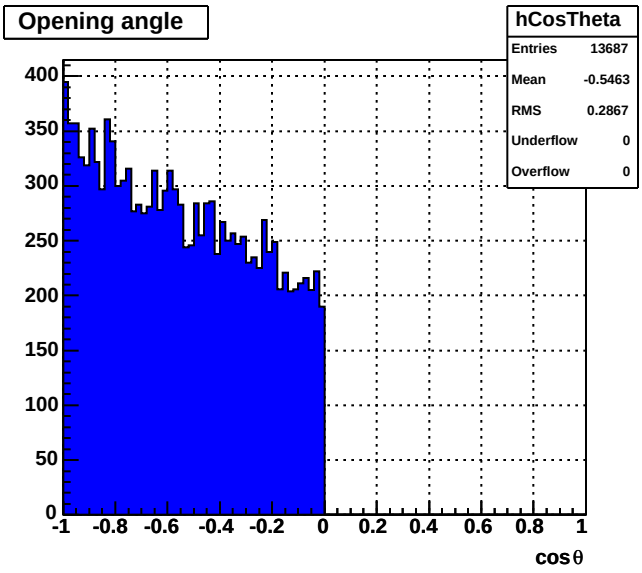

Number of L0 towers
hNumberOfTowersL0
Entries 13687
Mean 1.012
RMS 0.1127
Underflow 0
Overflow 2

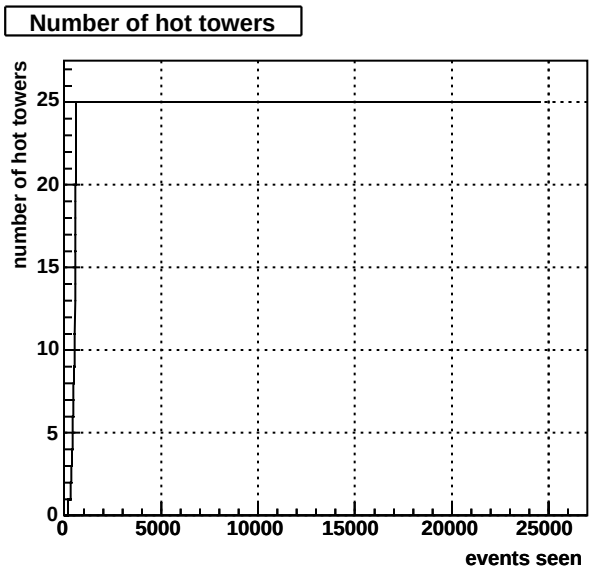

Number of L2 towers
hNumberOfTowersL2
Entries 13687
Mean 27.17
RMS 14.01
Underflow 0
Overflow 4

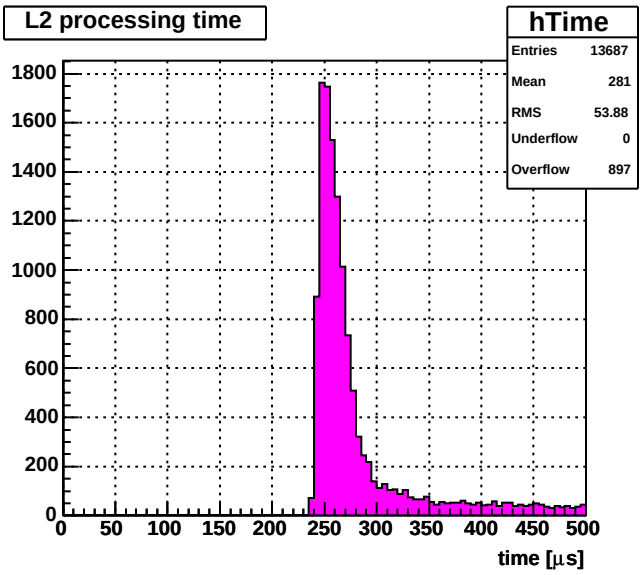

Energy of L0 cluster
hEnergyOfClusterL0
Entries 13687
Mean 7.621
RMS 2.254
Underflow 0
Overflow 51
χ² / ndf 100.3 / 43
Constant 9.31 ± 0.04
Slope -0.423 ± 0.005
E [GeV]

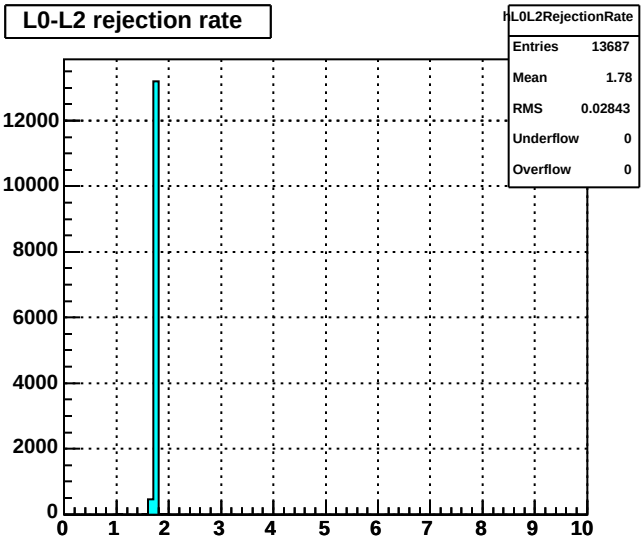

Energy of L2 cluster
hEnergyOfClusterL2
Entries 13687
Mean 3.597
RMS 0.653
Underflow 0
Overflow 0
χ² / ndf 43.53 / 23
Constant 13.61 ± 0.05
Slope -1.719 ± 0.015
E [GeV]

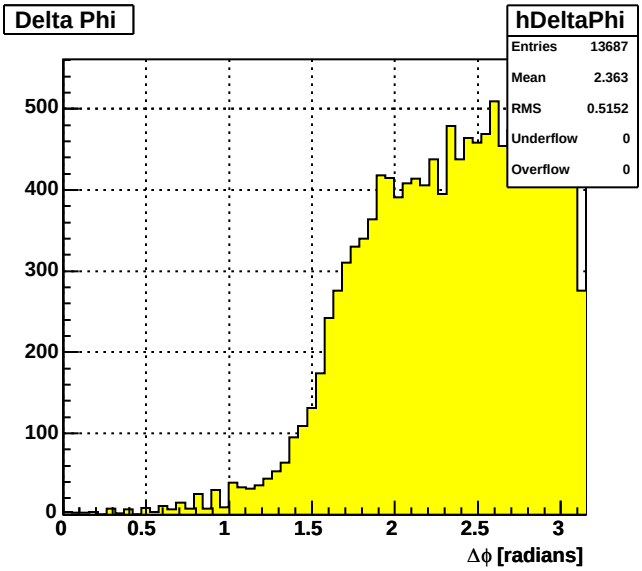

Invariant mass
hInvMass
Entries 13687
Mean 9.045
RMS 1.62
Underflow 0
Overflow 9
m_{ee} [GeV/c^2]

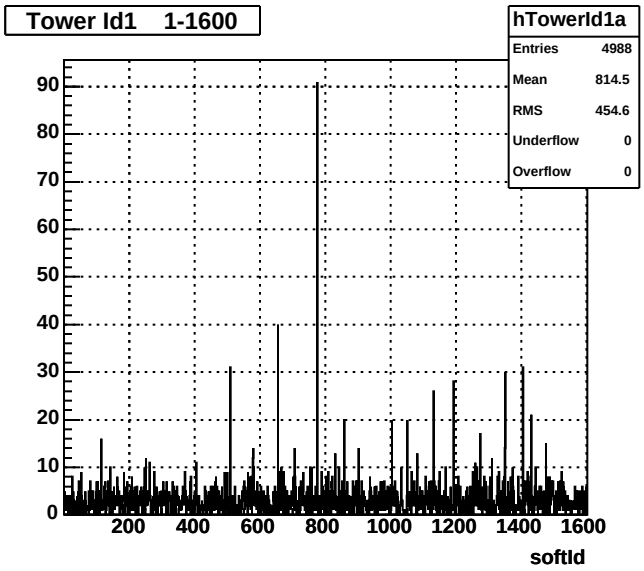

Opening angle
hCosTheta
Entries 13687
Mean -0.5463
RMS 0.2867
Underflow 0
Overflow 0
cos θ

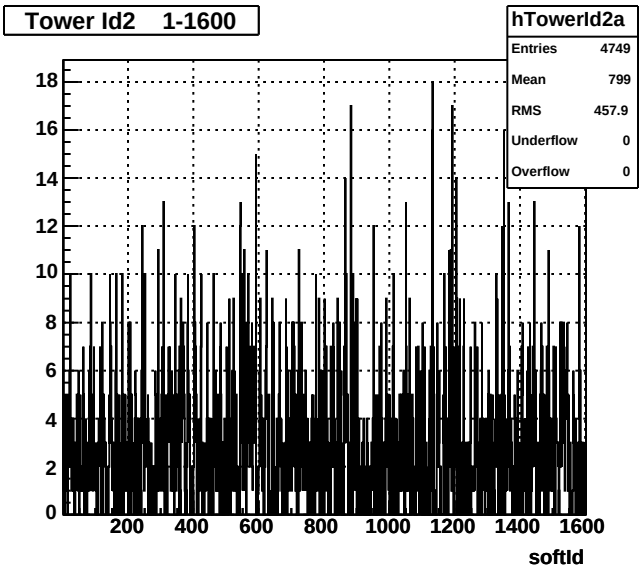

Number of hot towers
number of hot towers
events seen

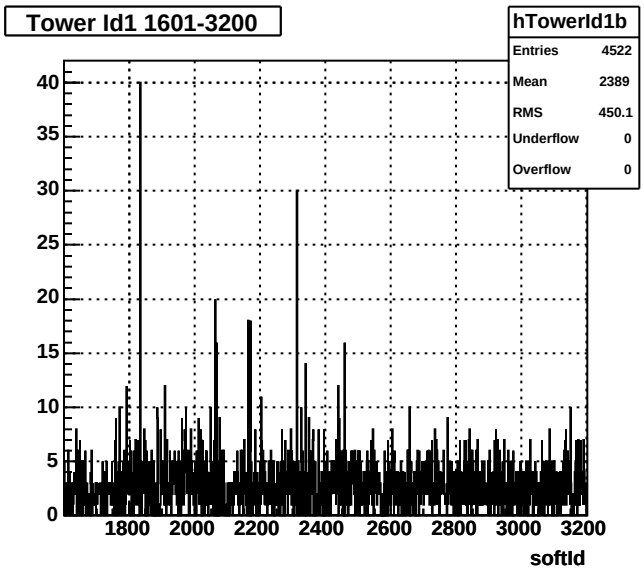

L2 processing time
hTime
Entries 13687
Mean 281
RMS 53.88
Underflow 0
Overflow 897
time [μs]

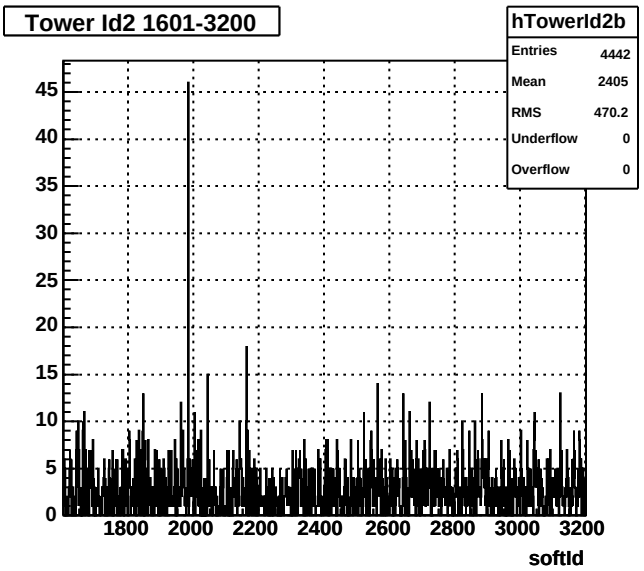

L0-L2 rejection rate
hL0L2RejectionRate
Entries 13687
Mean 1.78
RMS 0.02843
Underflow 0
Overflow 0

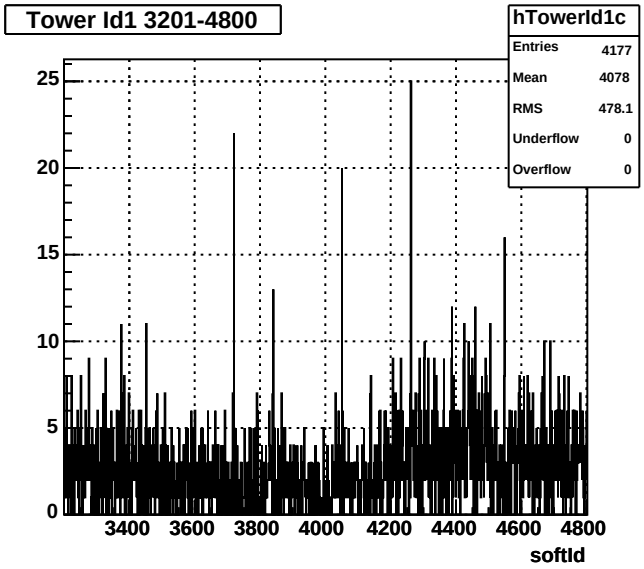

Delta Phi
hDeltaPhi
Entries 13687
Mean 2.363
RMS 0.5152
Underflow 0
Overflow 0
Δϕ [radians]

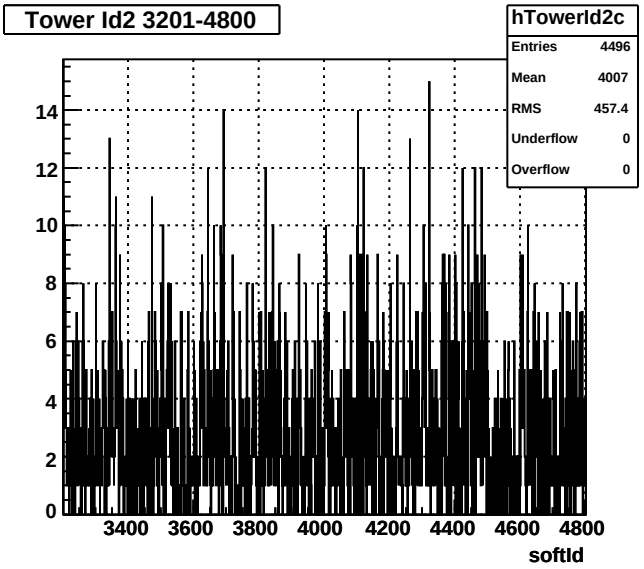

Tower Id1 1-1600
hTowerId1a
Entries 4988
Mean 814.5
RMS 454.6
Underflow 0
Overflow 0
softId

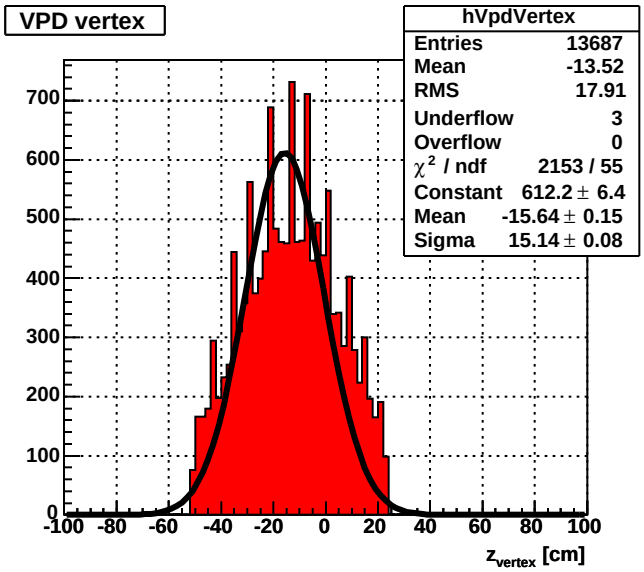

Tower Id2 1-1600
hTowerId2a
Entries 4749
Mean 799
RMS 457.9
Underflow 0
Overflow 0
softId

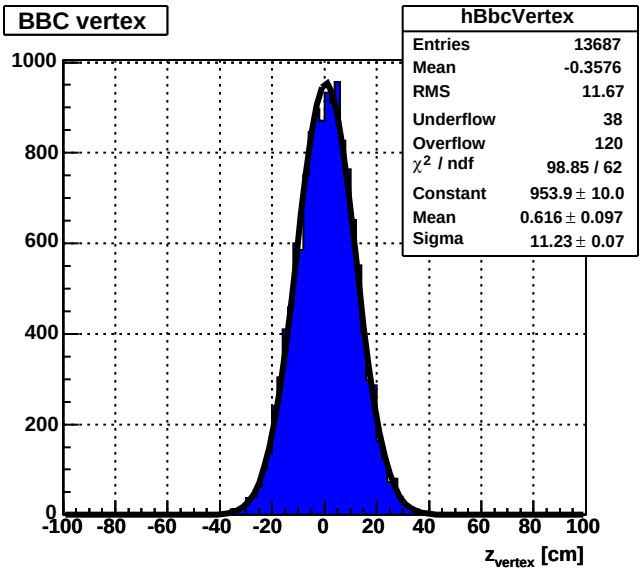

Tower Id1 1601-3200
hTowerId1b
Entries 4522
Mean 2389
RMS 450.1
Underflow 0
Overflow 0
softId

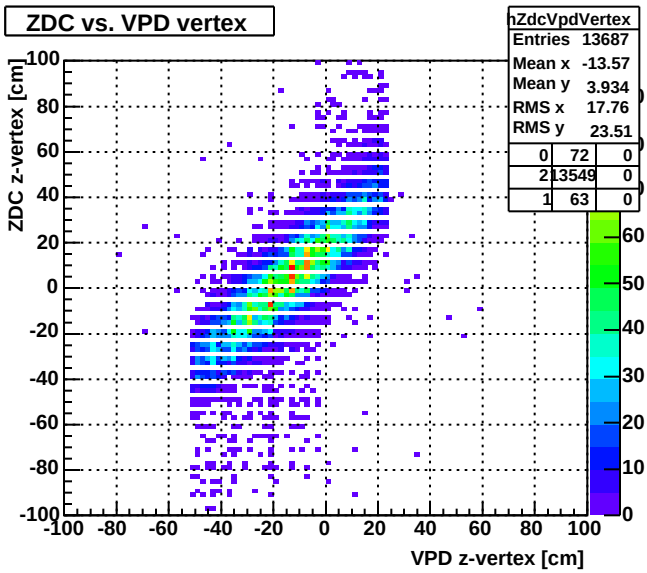

Tower Id2 1601-3200
hTowerId2b
Entries 4442
Mean 2405
RMS 470.2
Underflow 0
Overflow 0
softId

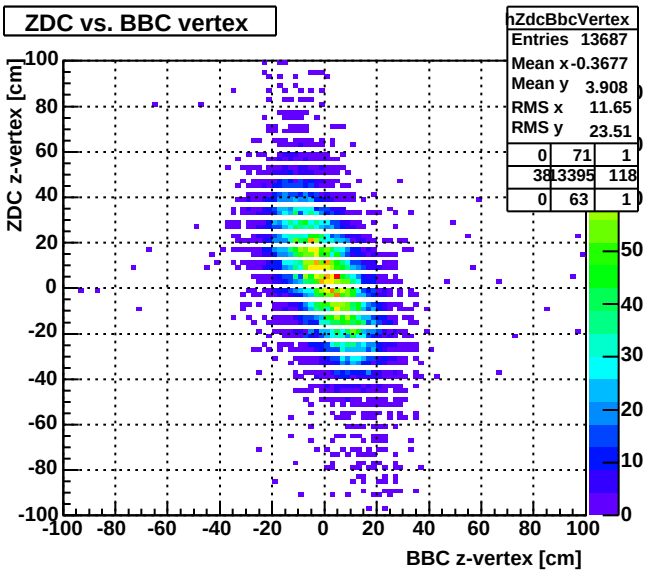

Tower Id1 3201-4800
hTowerId1c
Entries 4177
Mean 4078
RMS 478.1
Underflow 0
Overflow 0
softId

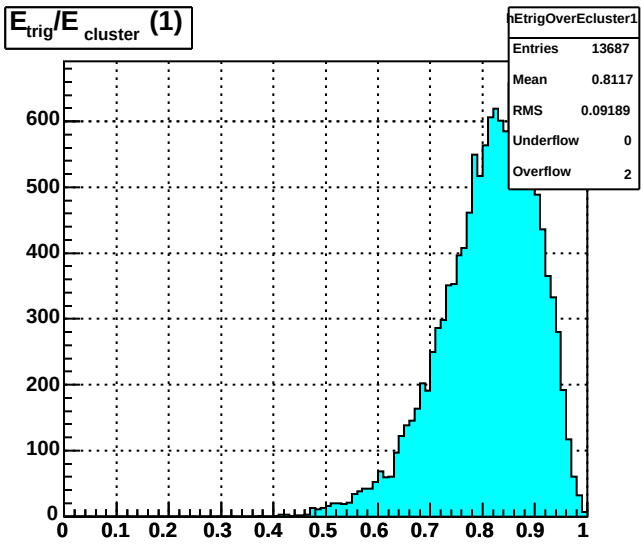

Tower Id2 3201-4800
hTowerId2c
Entries 4496
Mean 4007
RMS 457.4
Underflow 0
Overflow 0
softId

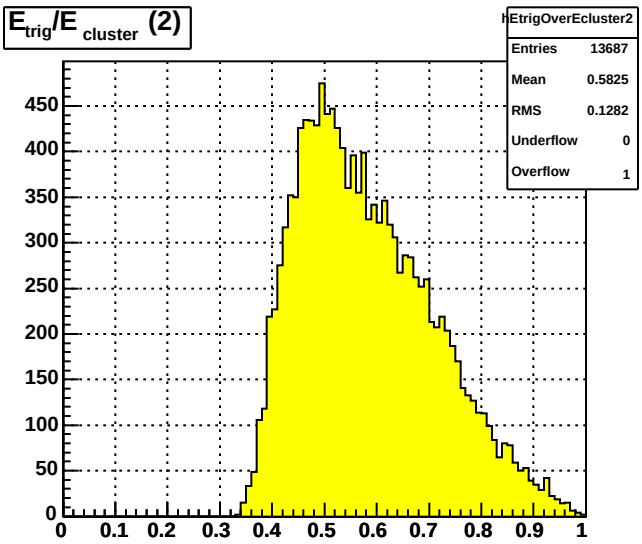

VPD vertex
hVpdVertex
Entries 13687
Mean -13.52
RMS 17.91
Underflow 3
Overflow 0
χ² / ndf 2153 / 55
Constant 612.2 ± 6.4
Mean -15.64 ± 0.15
Sigma 15.14 ± 0.08
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 13687
Mean -0.3576
RMS 11.67
Underflow 38
Overflow 120
χ² / ndf 98.85 / 62
Constant 953.9 ± 10.0
Mean 0.616 ± 0.097
Sigma 11.23 ± 0.07
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 13687
Mean x -13.57
Mean y 3.934
RMS x 17.76
RMS y 23.51
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 13687
Mean x -0.3677
Mean y 3.908
RMS x 11.65
RMS y 23.51
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 13687
Mean 0.8117
RMS 0.09189
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 13687
Mean 0.5825
RMS 0.1282
Underflow 0
Overflow 1