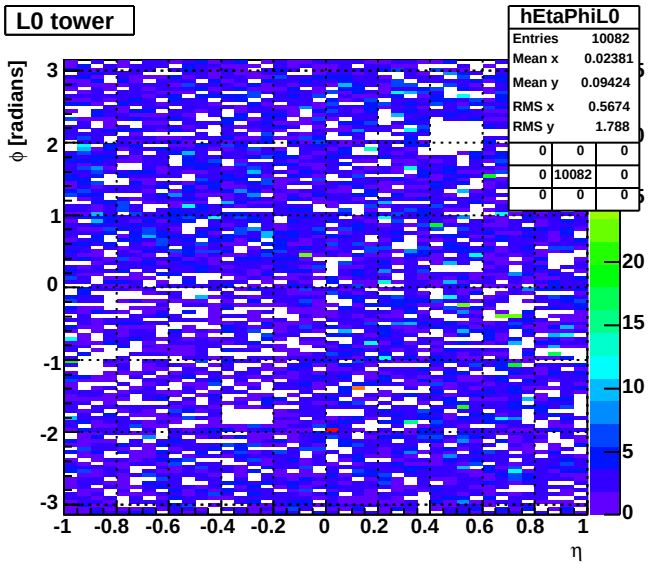
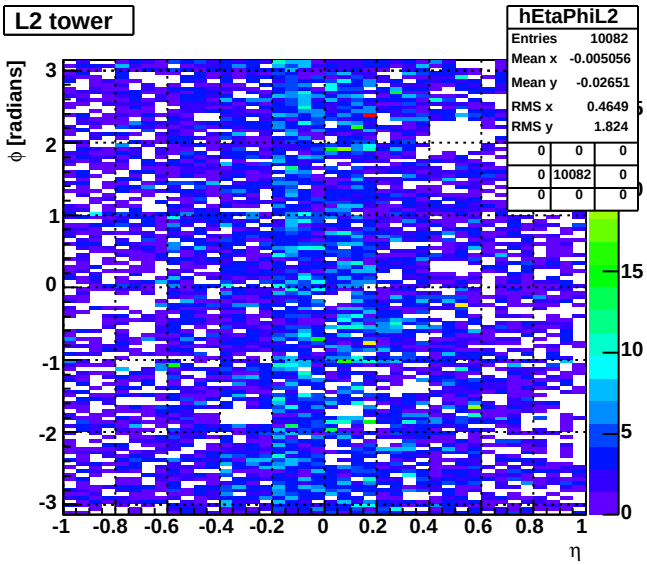
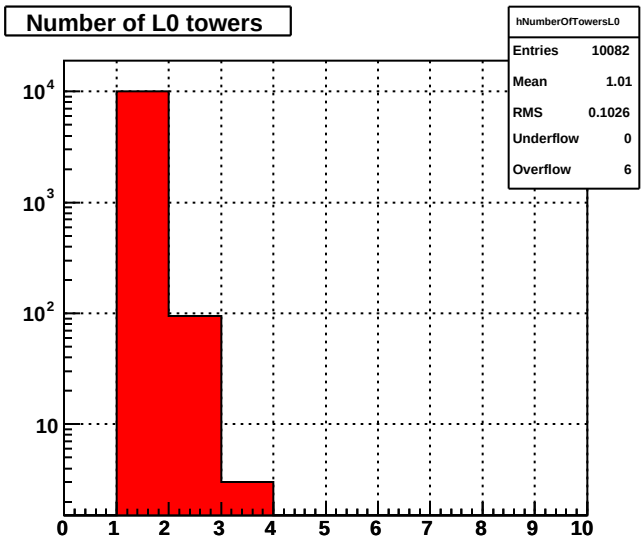
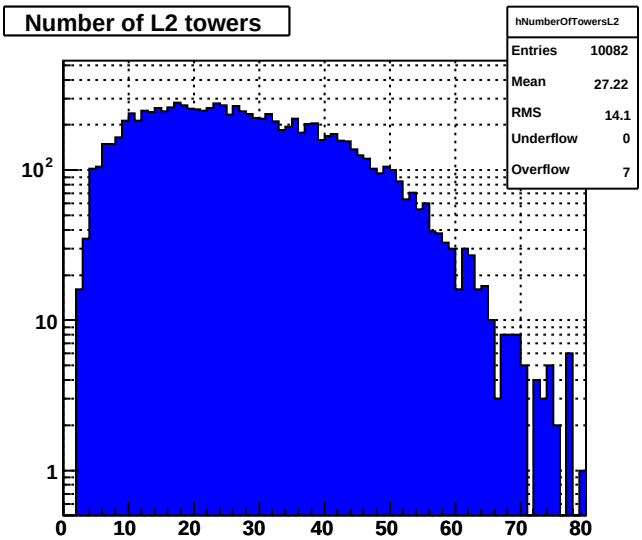
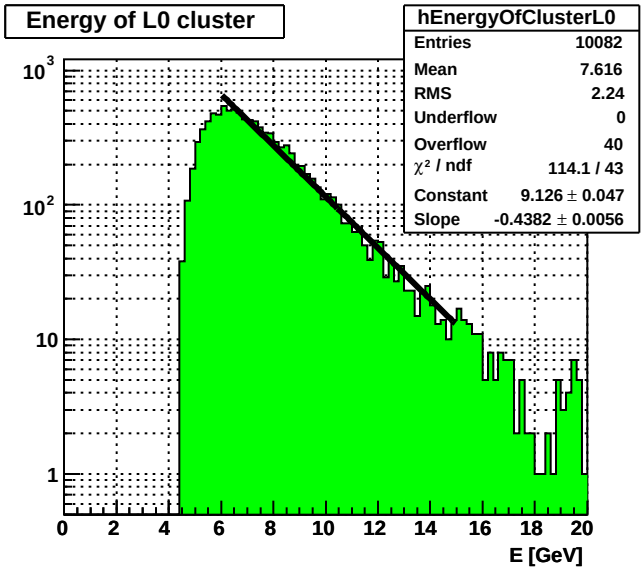
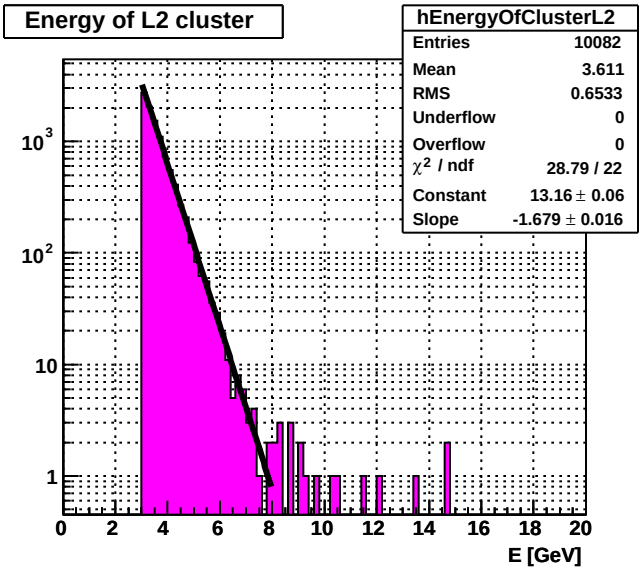

L0 tower
hEtaPhiL0
Entries 10082
Mean x 0.02381
Mean y 0.09424
RMS x 0.5674
RMS y 1.788
φ [radians]
η

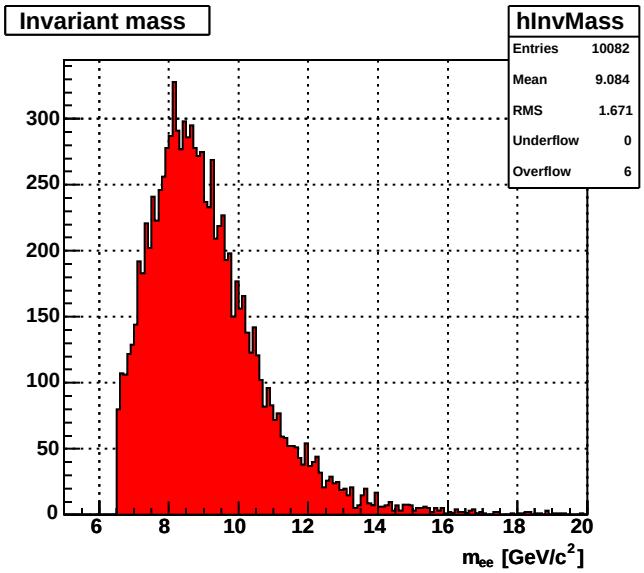

L2 tower
hEtaPhiL2
Entries 10082
Mean x -0.005056
Mean y -0.02651
RMS x 0.4649
RMS y 1.824
φ [radians]
η

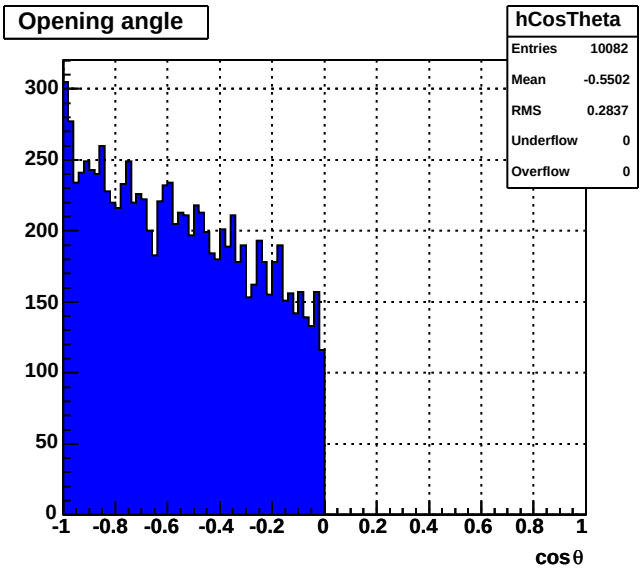

Number of L0 towers
hNumberOfTowersL0
Entries 10082
Mean 1.01
RMS 0.1026
Underflow 0
Overflow 6

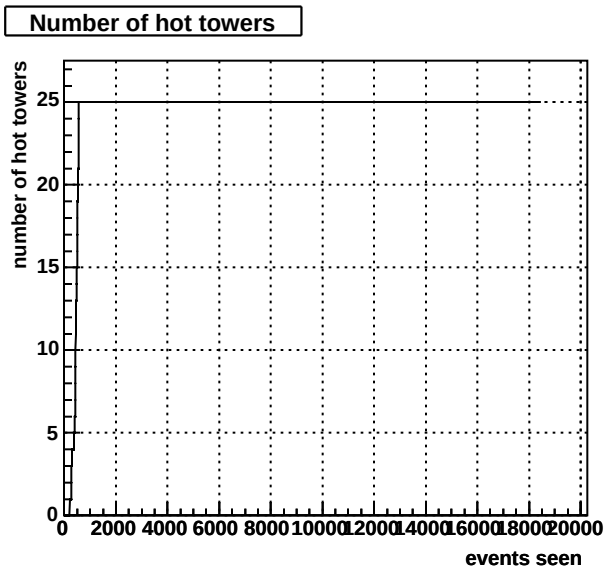

Number of L2 towers
hNumberOfTowersL2
Entries 10082
Mean 27.22
RMS 14.1
Underflow 0
Overflow 7

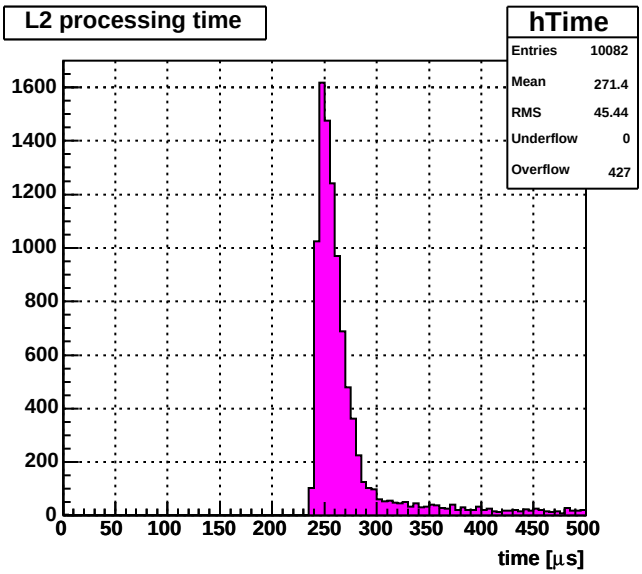

Energy of L0 cluster
hEnergyOfClusterL0
Entries 10082
Mean 7.616
RMS 2.24
Underflow 0
Overflow 40
χ² / ndf 114.1 / 43
Constant 9.126 ± 0.047
Slope -0.4382 ± 0.0056
E [GeV]

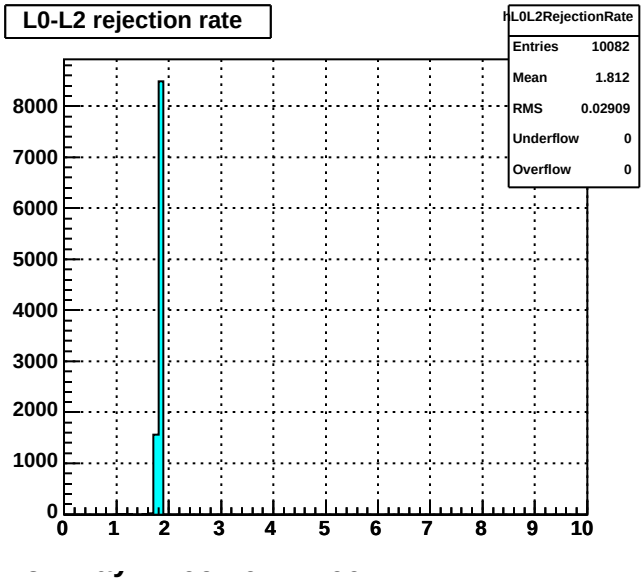

Energy of L2 cluster
hEnergyOfClusterL2
Entries 10082
Mean 3.611
RMS 0.6533
Underflow 0
Overflow 0
χ² / ndf 28.79 / 22
Constant 13.16 ± 0.06
Slope -1.679 ± 0.016
E [GeV]

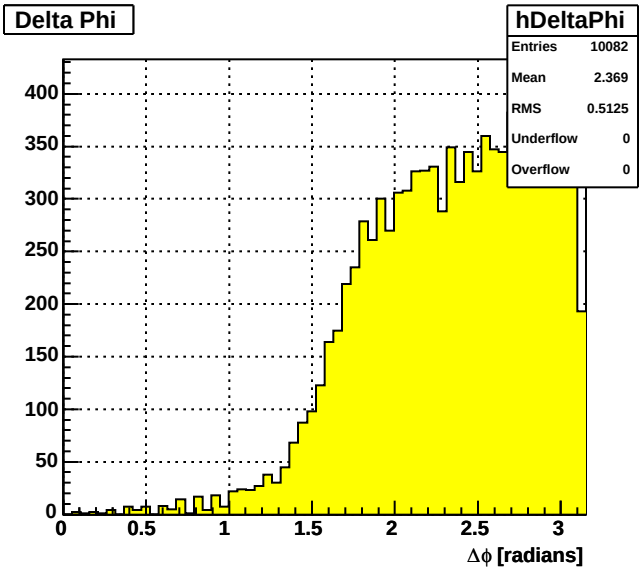

Invariant mass
hInvMass
Entries 10082
Mean 9.084
RMS 1.671
Underflow 0
Overflow 6
m_{ee} [GeV/c^2]

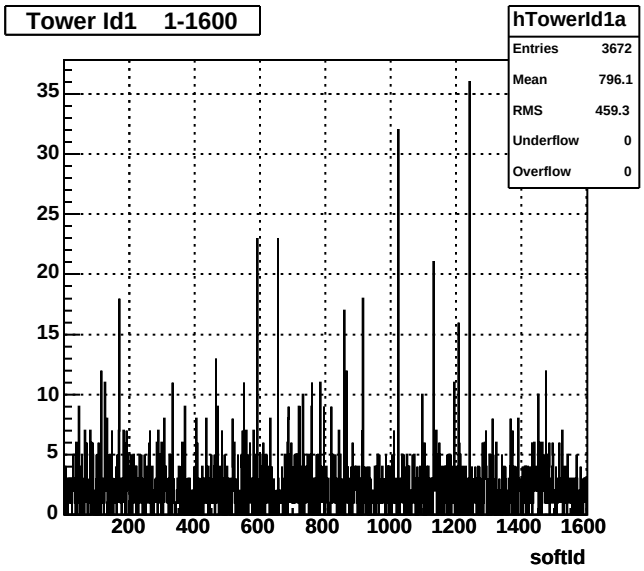

Opening angle
hCosTheta
Entries 10082
Mean -0.5502
RMS 0.2837
Underflow 0
Overflow 0
cos θ

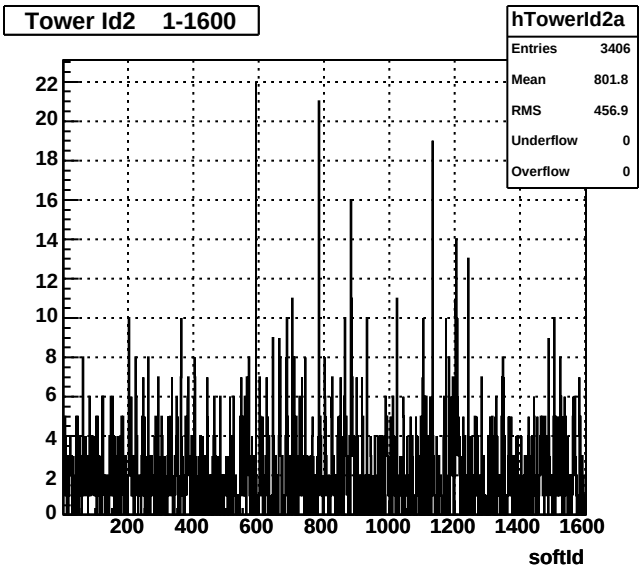

Number of hot towers
number of hot towers
events seen

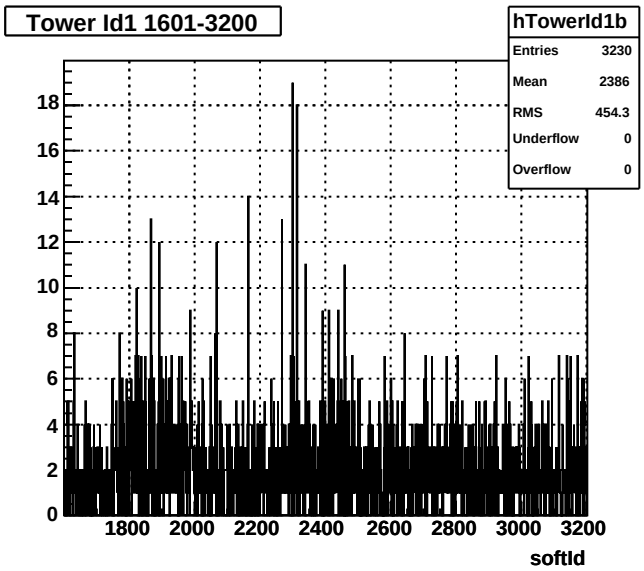

L2 processing time
hTime
Entries 10082
Mean 271.4
RMS 45.44
Underflow 0
Overflow 427
time [μs]

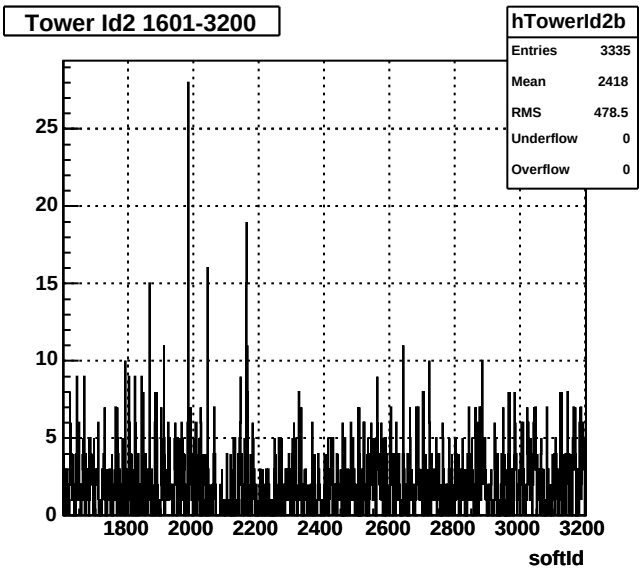

L0-L2 rejection rate
hL0L2RejectionRate
Entries 10082
Mean 1.812
RMS 0.02909
Underflow 0
Overflow 0

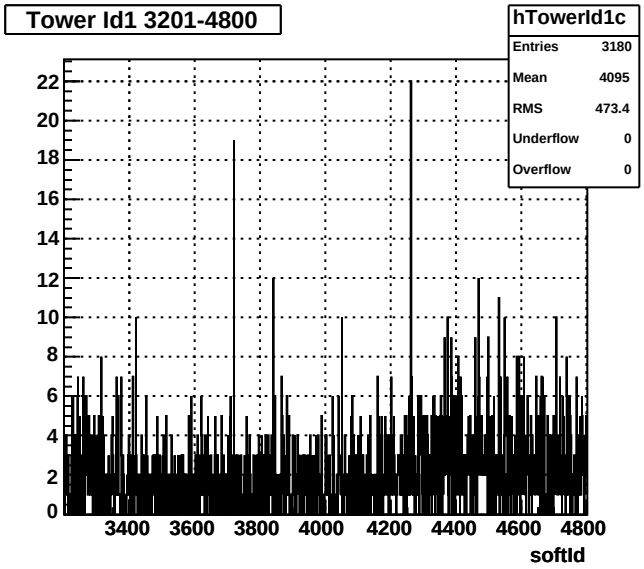

Delta Phi
hDeltaPhi
Entries 10082
Mean 2.369
RMS 0.5125
Underflow 0
Overflow 0
Δφ [radians]

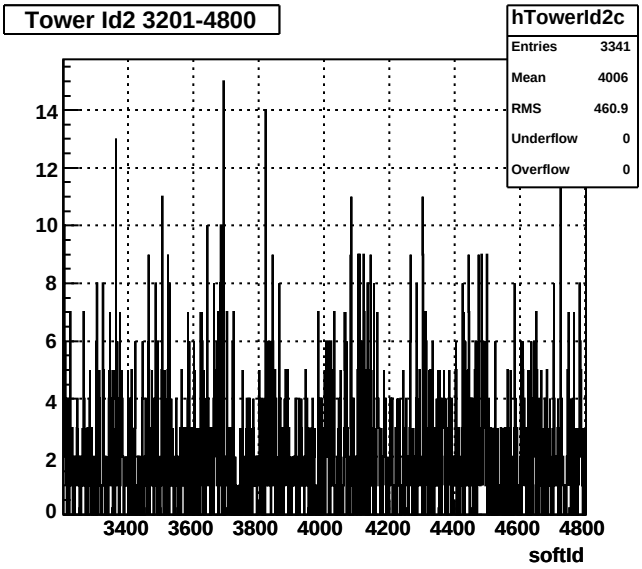

Tower Id1 1-1600
hTowerId1a
Entries 3672
Mean 796.1
RMS 459.3
Underflow 0
Overflow 0
softId

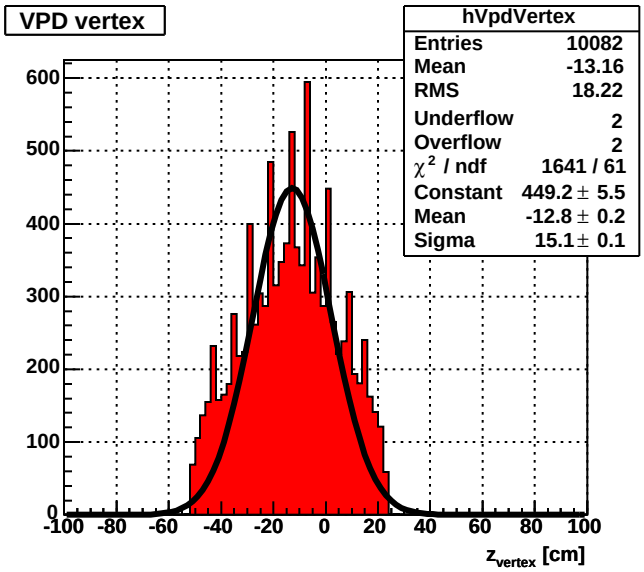

Tower Id2 1-1600
hTowerId2a
Entries 3406
Mean 801.8
RMS 456.9
Underflow 0
Overflow 0
softId

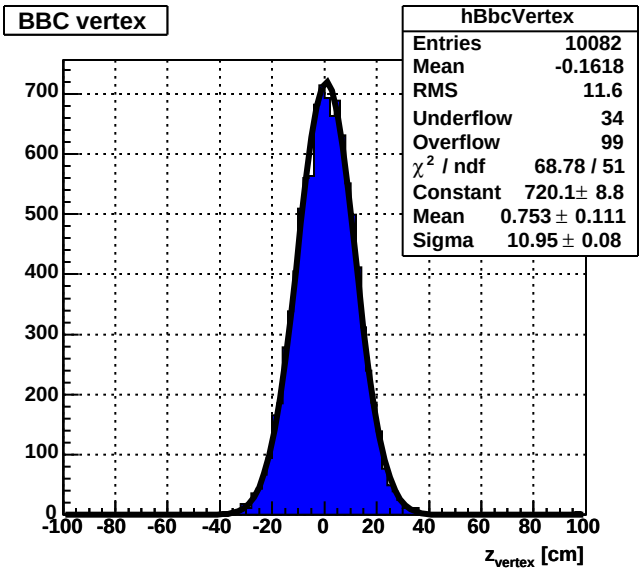

Tower Id1 1601-3200
hTowerId1b
Entries 3230
Mean 2386
RMS 454.3
Underflow 0
Overflow 0
softId

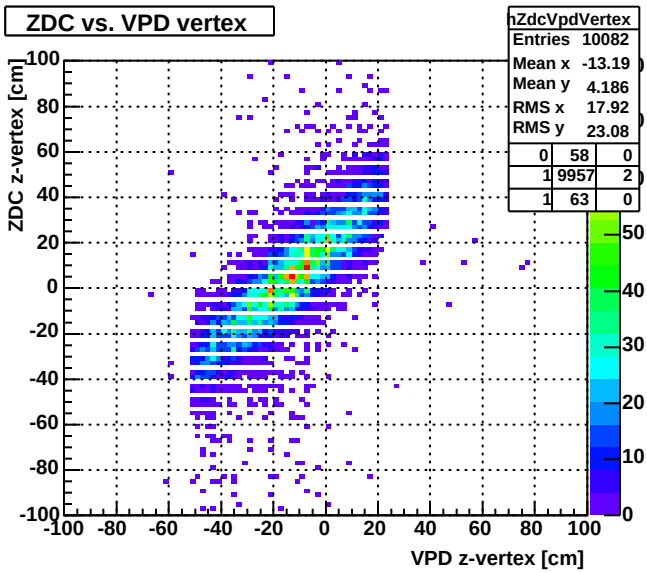

Tower Id2 1601-3200
hTowerId2b
Entries 3335
Mean 2418
RMS 478.5
Underflow 0
Overflow 0
softId

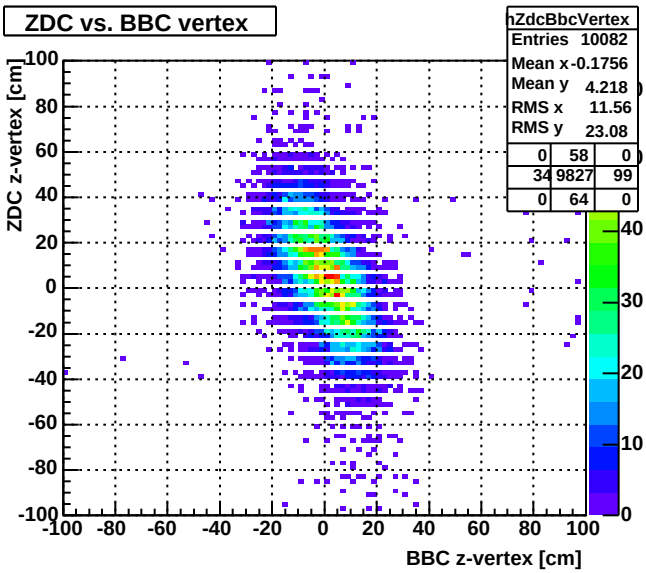

Tower Id1 3201-4800
hTowerId1c
Entries 3180
Mean 4095
RMS 473.4
Underflow 0
Overflow 0
softId

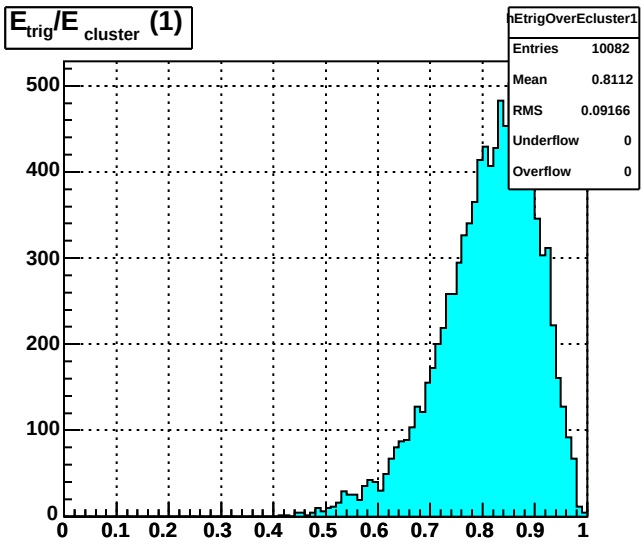

Tower Id2 3201-4800
hTowerId2c
Entries 3341
Mean 4006
RMS 460.9
Underflow 0
Overflow 0
softId

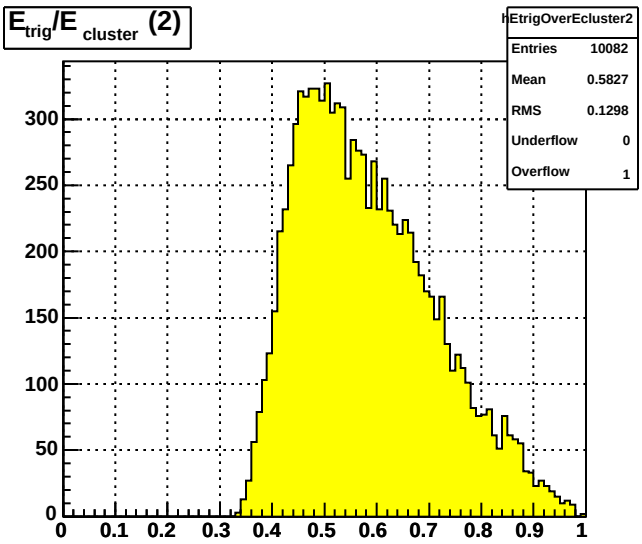

VPD vertex
hVpdVertex
Entries 10082
Mean -13.16
RMS 18.22
Underflow 2
Overflow 2
χ² / ndf 1641 / 61
Constant 449.2 ± 5.5
Mean -12.8 ± 0.2
Sigma 15.1 ± 0.1
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 10082
Mean -0.1618
RMS 11.6
Underflow 34
Overflow 99
χ² / ndf 68.78 / 51
Constant 720.1 ± 8.8
Mean 0.753 ± 0.111
Sigma 10.95 ± 0.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 10082
Mean x -13.19
Mean y 4.186
RMS x 17.92
RMS y 23.08
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 10082
Mean x -0.1756
Mean y 4.218
RMS x 11.56
RMS y 23.08
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 10082
Mean 0.8112
RMS 0.09166
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 10082
Mean 0.5827
RMS 0.1298
Underflow 0
Overflow 1