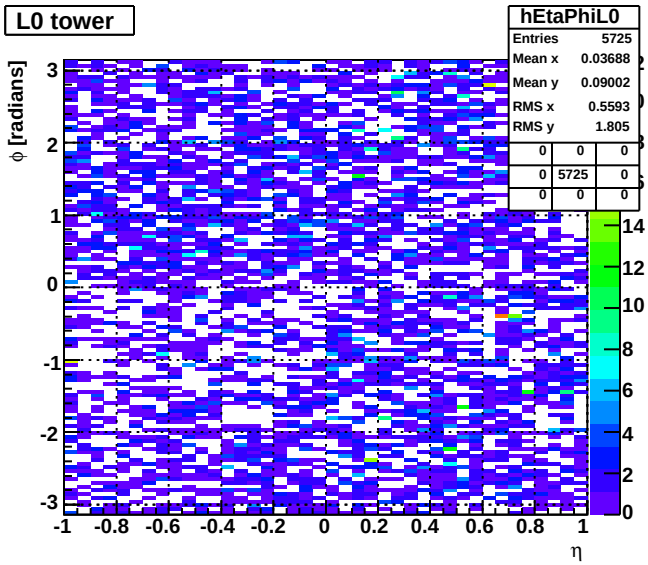
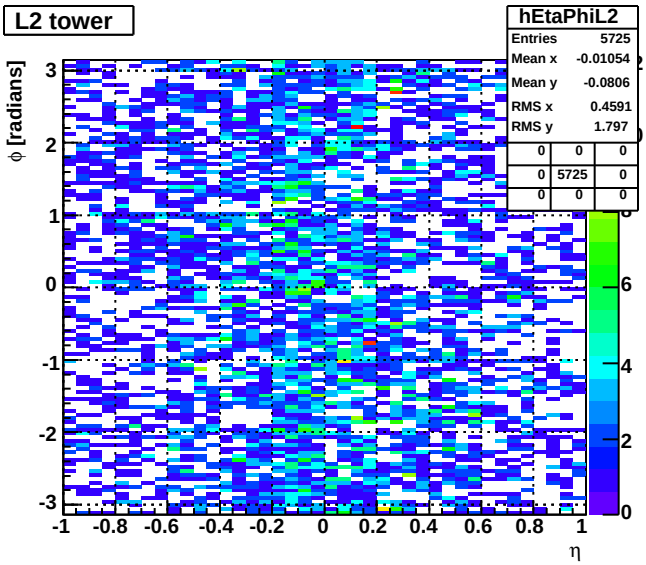
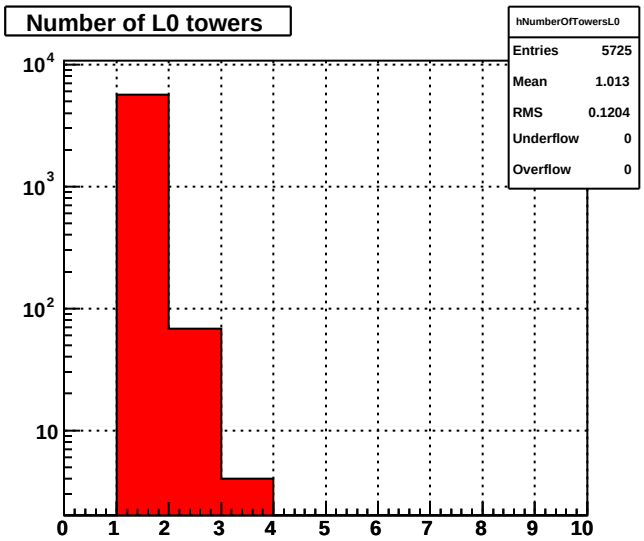
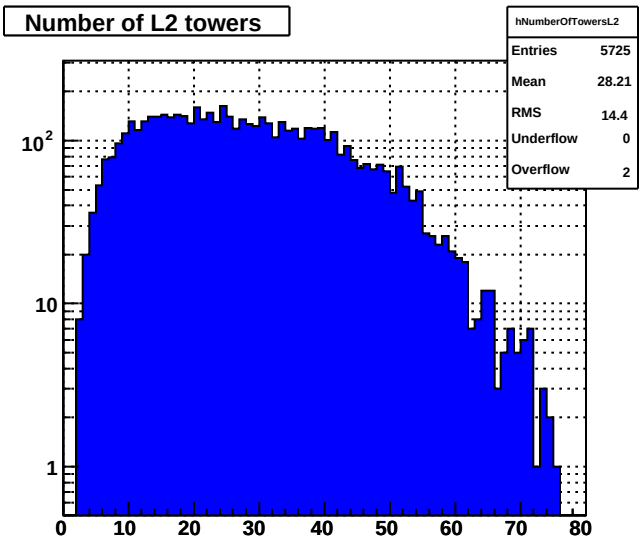
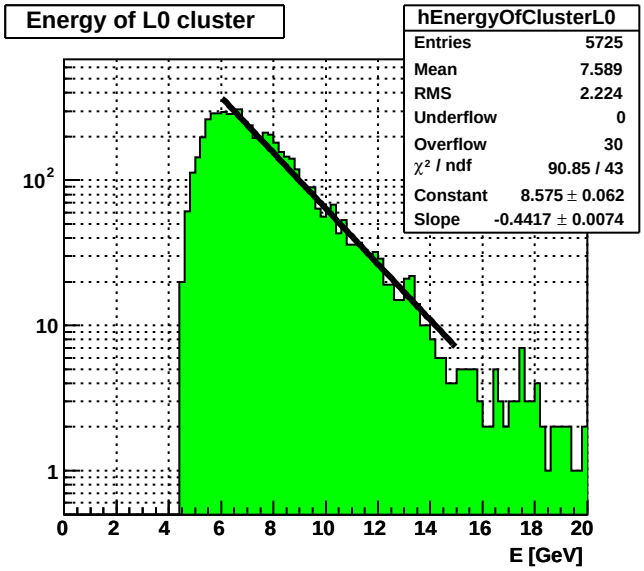
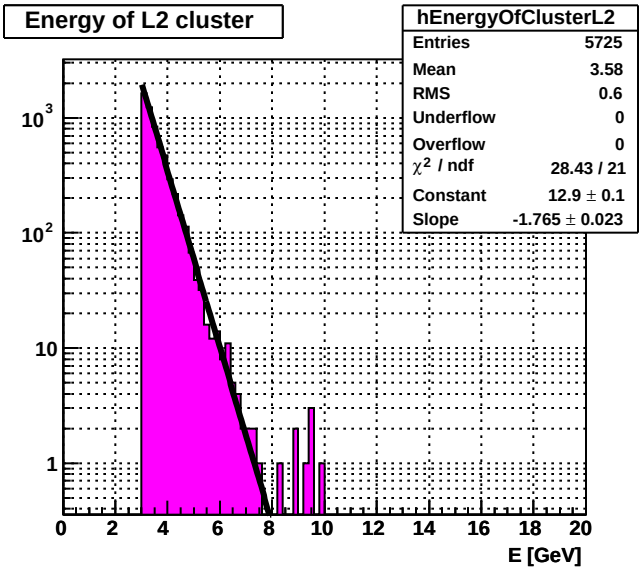

L0 tower
hEtaPhiL0
Entries 5725
Mean x 0.03688
Mean y 0.09002
RMS x 0.5593
RMS y 1.805
φ [radians]
η

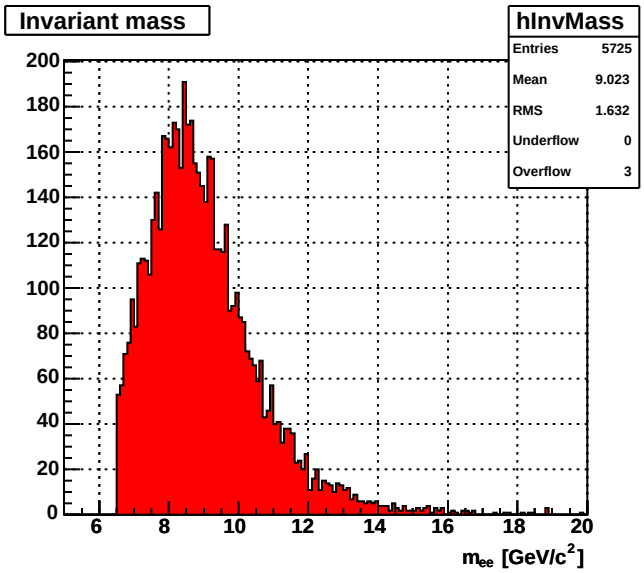

L2 tower
hEtaPhiL2
Entries 5725
Mean x -0.01054
Mean y -0.0806
RMS x 0.4591
RMS y 1.797
φ [radians]
η

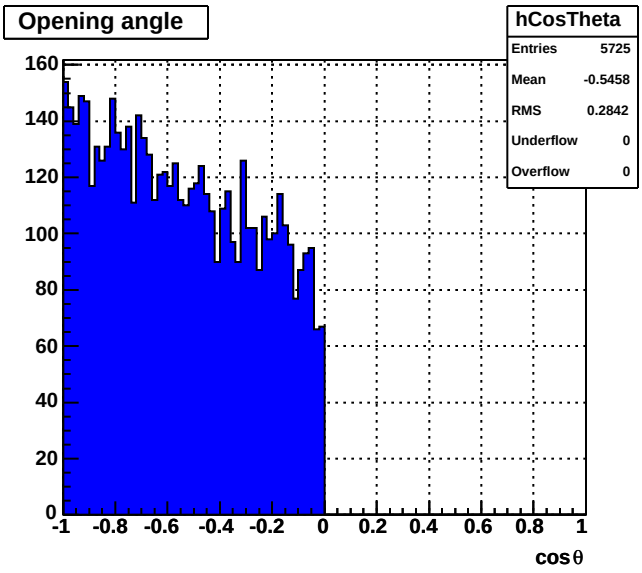

Number of L0 towers
hNumberOfTowersL0
Entries 5725
Mean 1.013
RMS 0.1204
Underflow 0
Overflow 0

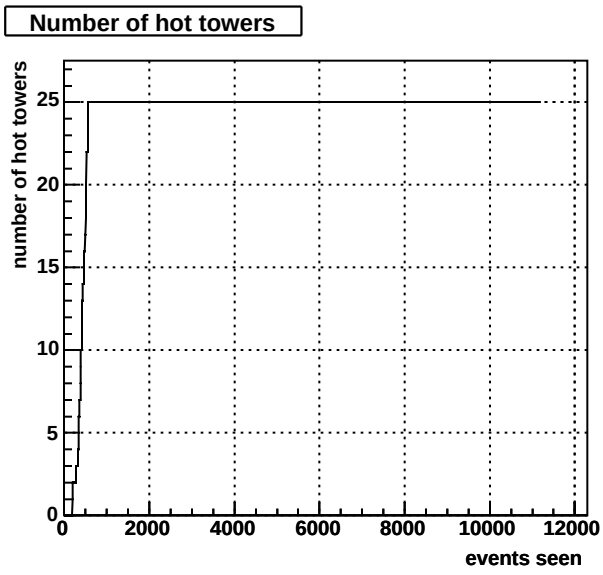

Number of L2 towers
hNumberOfTowersL2
Entries 5725
Mean 28.21
RMS 14.4
Underflow 0
Overflow 2

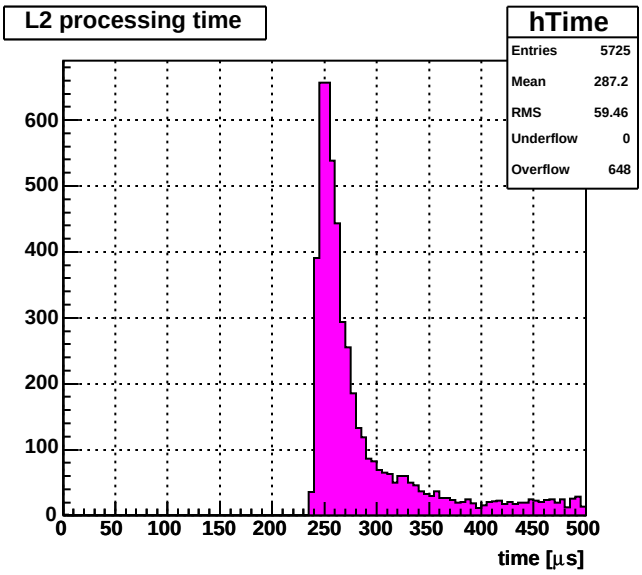

Energy of L0 cluster
hEnergyOfClusterL0
Entries 5725
Mean 7.589
RMS 2.224
Underflow 0
Overflow 30
χ² / ndf 90.85 / 43
Constant 8.575 ± 0.062
Slope -0.4417 ± 0.0074
E [GeV]

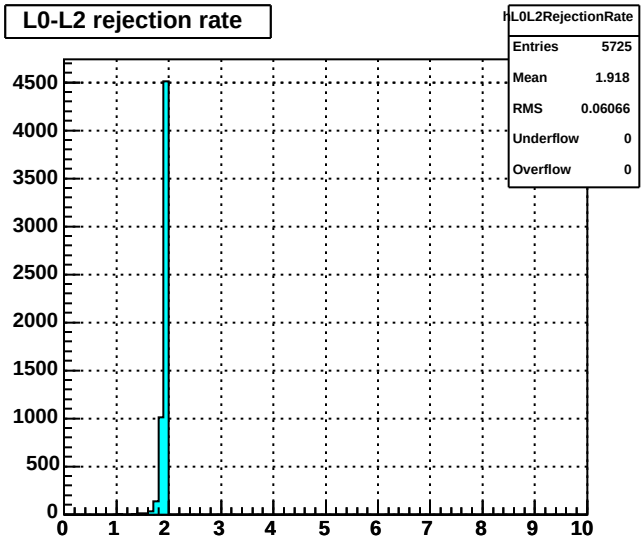

Energy of L2 cluster
hEnergyOfClusterL2
Entries 5725
Mean 3.58
RMS 0.6
Underflow 0
Overflow 0
χ² / ndf 28.43 / 21
Constant 12.9 ± 0.1
Slope -1.765 ± 0.023
E [GeV]

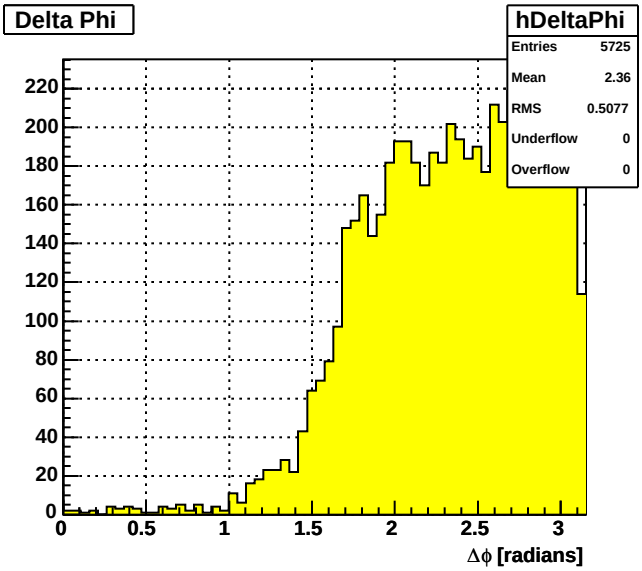

Invariant mass
hInvMass
Entries 5725
Mean 9.023
RMS 1.632
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

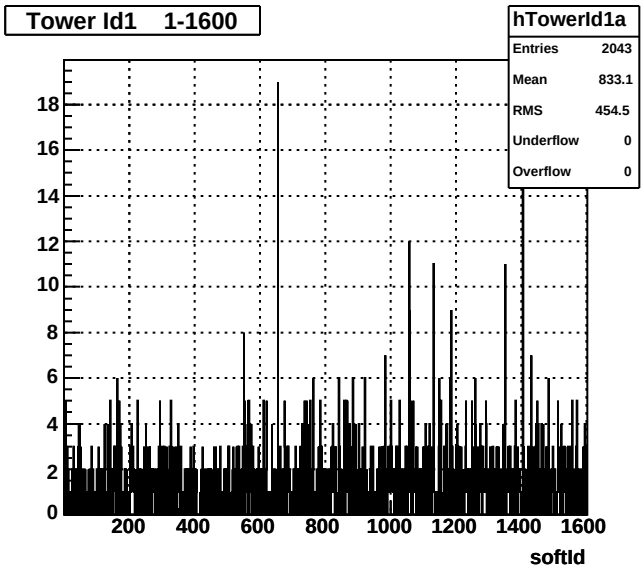

Opening angle
hCosTheta
Entries 5725
Mean -0.5458
RMS 0.2842
Underflow 0
Overflow 0
cos θ

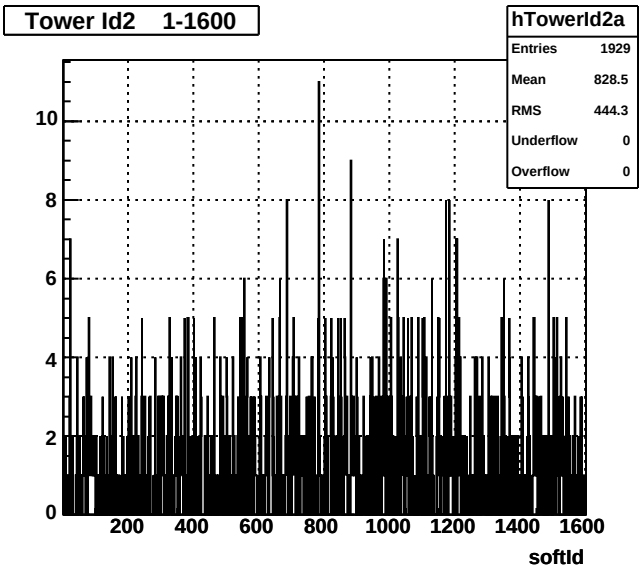

Number of hot towers
number of hot towers
events seen

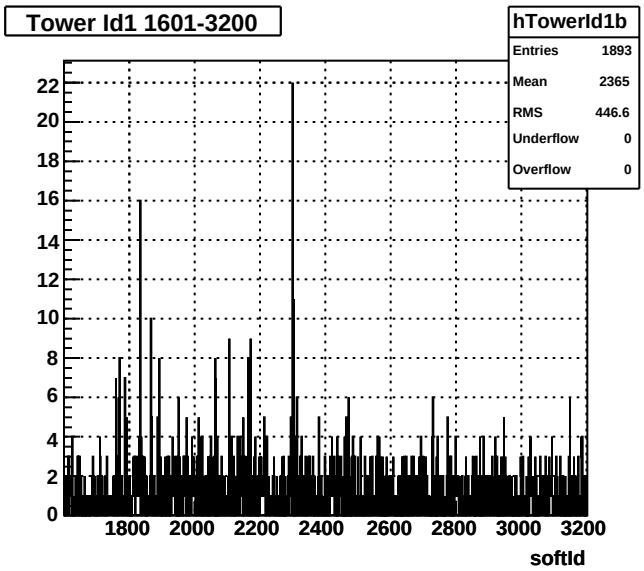

L2 processing time
hTime
Entries 5725
Mean 287.2
RMS 59.46
Underflow 0
Overflow 648
time [μs]

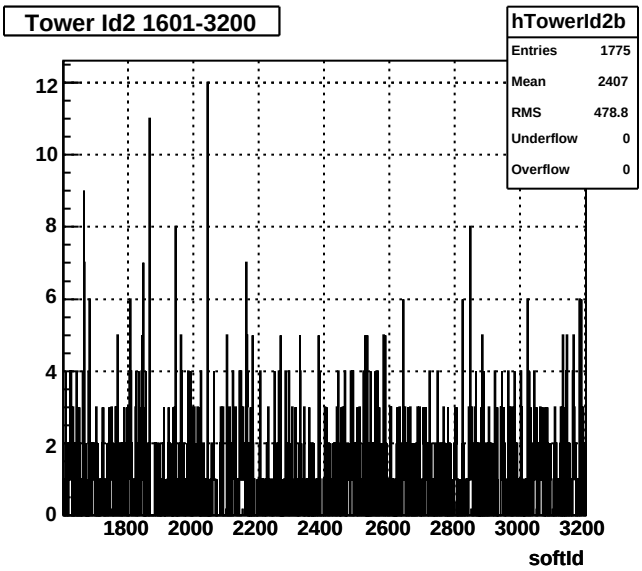

L0-L2 rejection rate
hL0L2RejectionRate
Entries 5725
Mean 1.918
RMS 0.06066
Underflow 0
Overflow 0

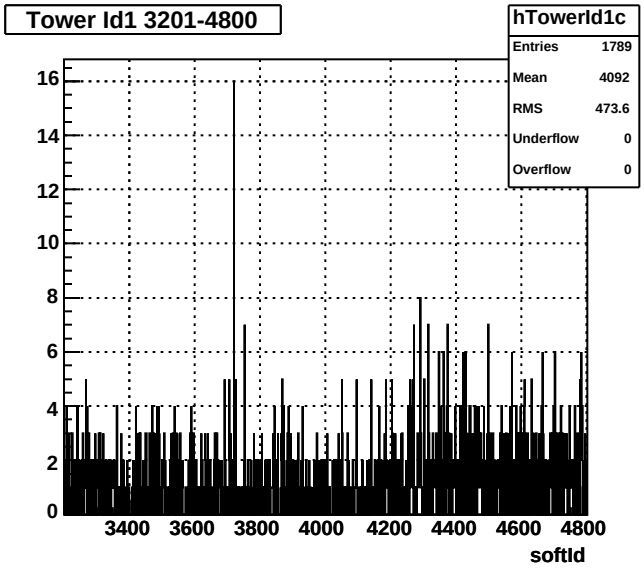

Delta Phi
hDeltaPhi
Entries 5725
Mean 2.36
RMS 0.5077
Underflow 0
Overflow 0
Δϕ [radians]

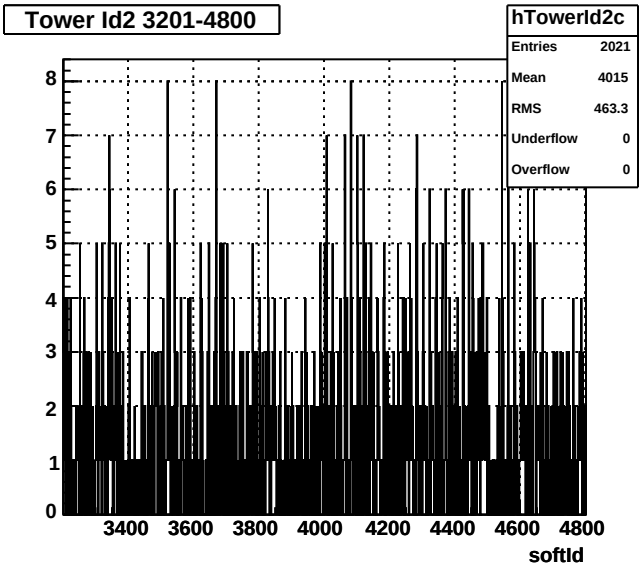

Tower Id1 1-1600
hTowerId1a
Entries 2043
Mean 833.1
RMS 454.5
Underflow 0
Overflow 0
softId

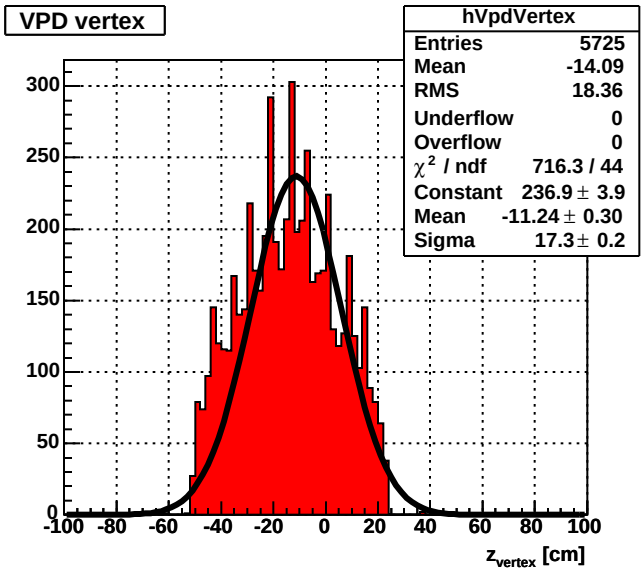

Tower Id2 1-1600
hTowerId2a
Entries 1929
Mean 828.5
RMS 444.3
Underflow 0
Overflow 0
softId

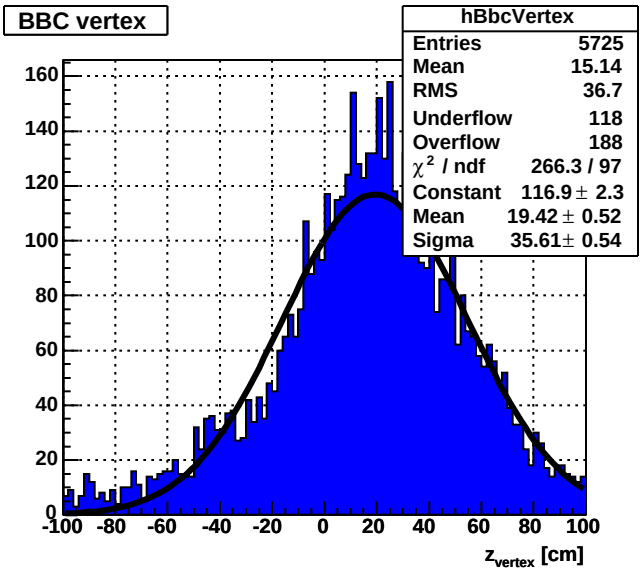

Tower Id1 1601-3200
hTowerId1b
Entries 1893
Mean 2365
RMS 446.6
Underflow 0
Overflow 0
softId

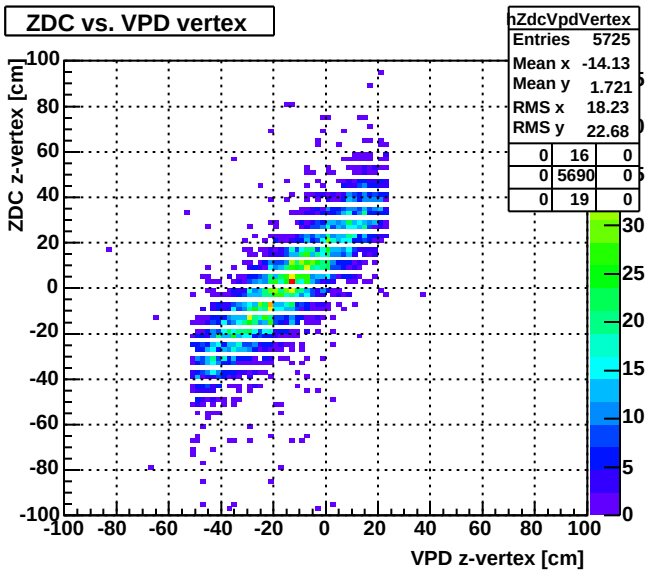

Tower Id2 1601-3200
hTowerId2b
Entries 1775
Mean 2407
RMS 478.8
Underflow 0
Overflow 0
softId

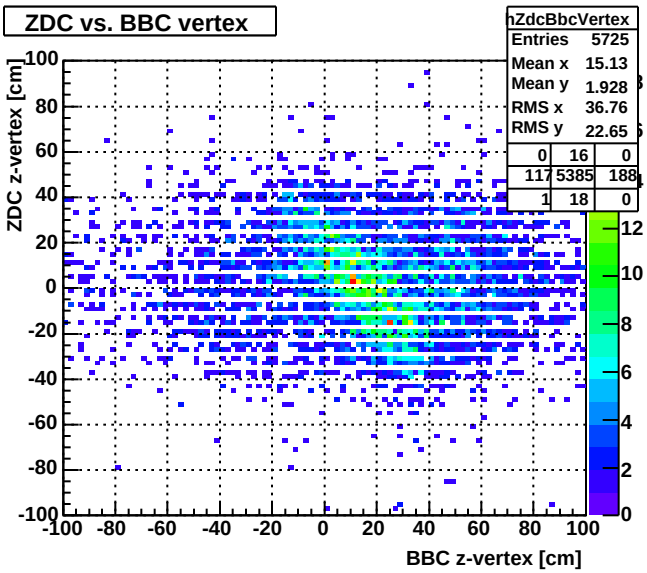

Tower Id1 3201-4800
hTowerId1c
Entries 1789
Mean 4092
RMS 473.6
Underflow 0
Overflow 0
softId

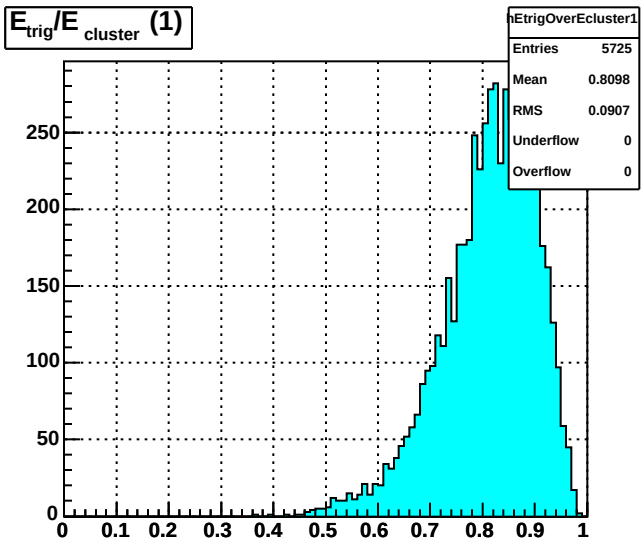

Tower Id2 3201-4800
hTowerId2c
Entries 2021
Mean 4015
RMS 463.3
Underflow 0
Overflow 0
softId

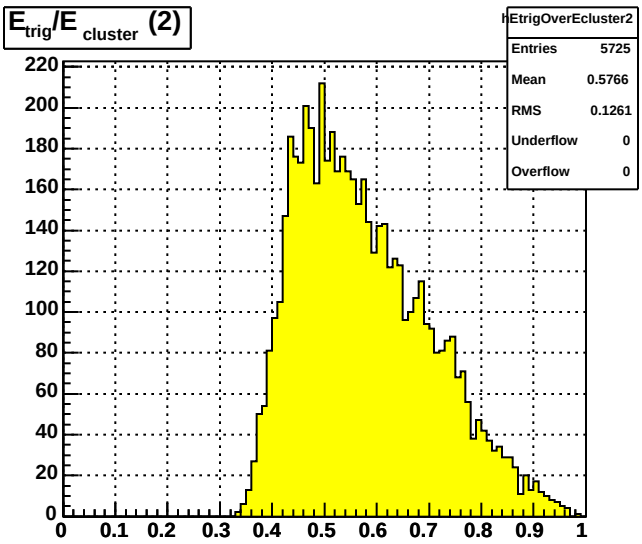

VPD vertex
hVpdVertex
Entries 5725
Mean -14.09
RMS 18.36
Underflow 0
Overflow 0
χ² / ndf 716.3 / 44
Constant 236.9 ± 3.9
Mean -11.24 ± 0.30
Sigma 17.3 ± 0.2
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 5725
Mean 15.14
RMS 36.7
Underflow 118
Overflow 188
χ² / ndf 266.3 / 97
Constant 116.9 ± 2.3
Mean 19.42 ± 0.52
Sigma 35.61 ± 0.54
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 5725
Mean x -14.13
Mean y 1.721
RMS x 18.23
RMS y 22.68
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 5725
Mean x 15.13
Mean y 1.928
RMS x 36.76
RMS y 22.65
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 5725
Mean 0.8098
RMS 0.0907
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 5725
Mean 0.5766
RMS 0.1261
Underflow 0
Overflow 0