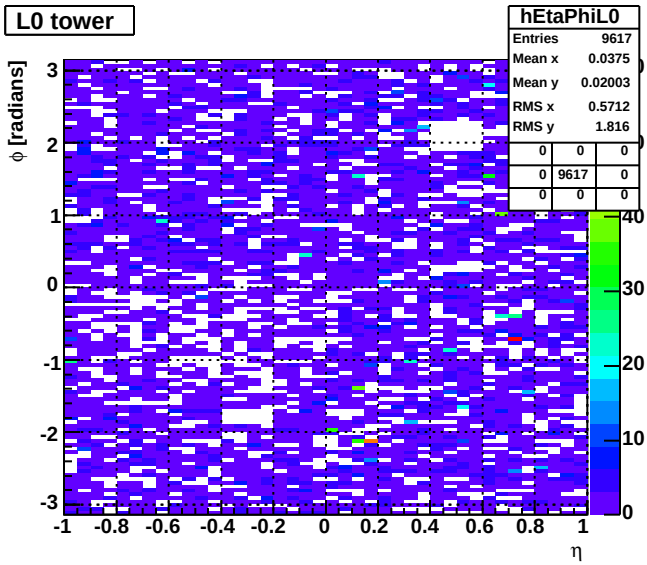
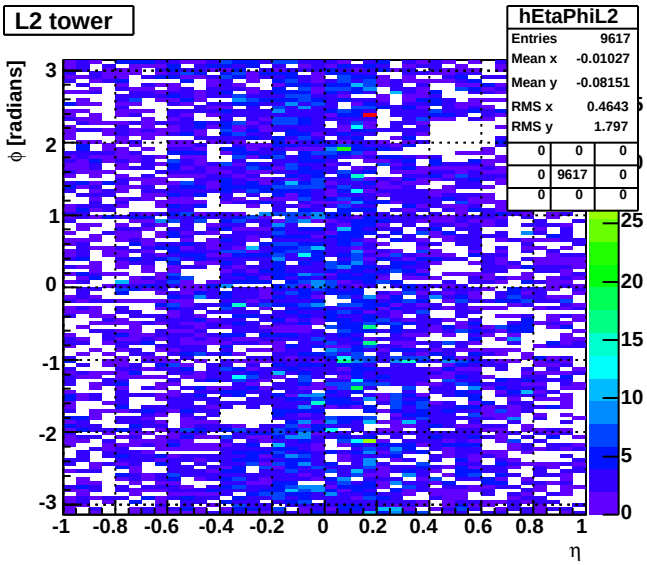
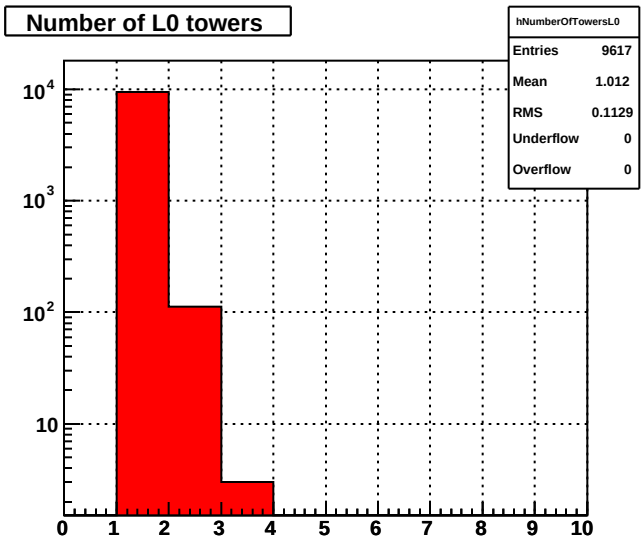
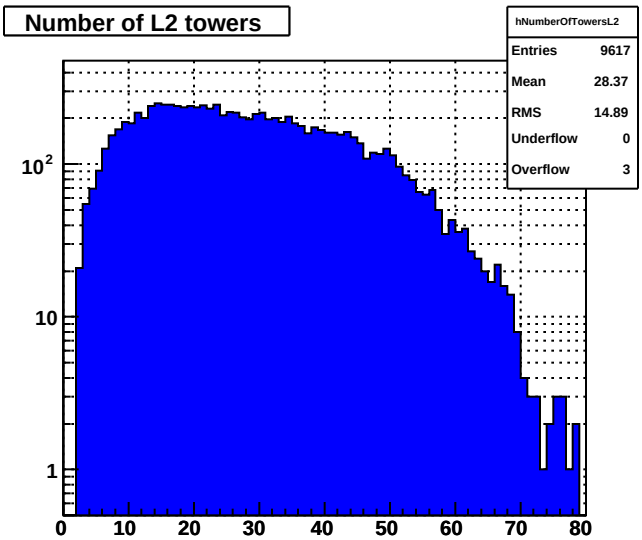
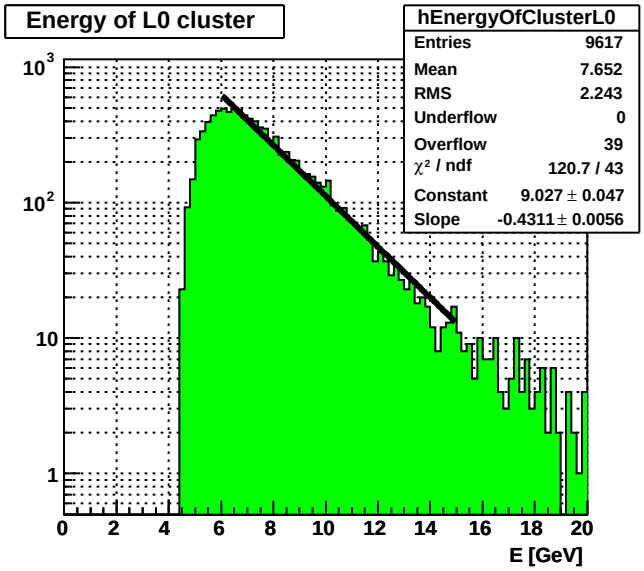
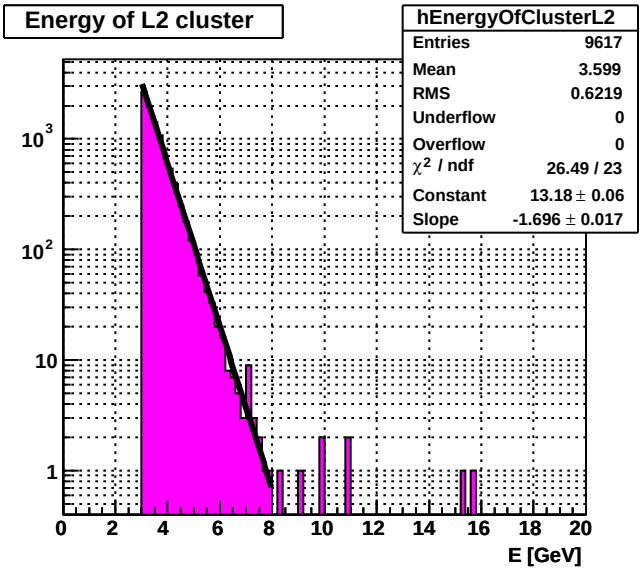

L0 tower
hEtaPhiL0
Entries 9617
Mean x 0.0375
Mean y 0.02003
RMS x 0.5712
RMS y 1.816
φ [radians]
η

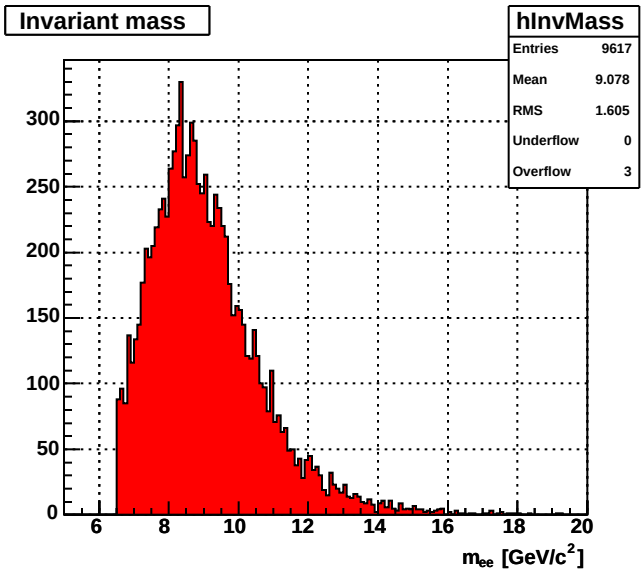

L2 tower
hEtaPhiL2
Entries 9617
Mean x -0.01027
Mean y -0.08151
RMS x 0.4643
RMS y 1.797
φ [radians]
η

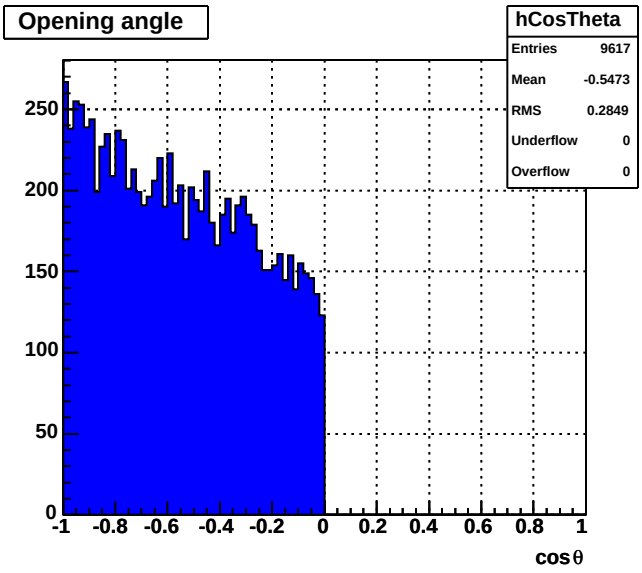

Number of L0 towers
hNumberOfTowersL0
Entries 9617
Mean 1.012
RMS 0.1129
Underflow 0
Overflow 0

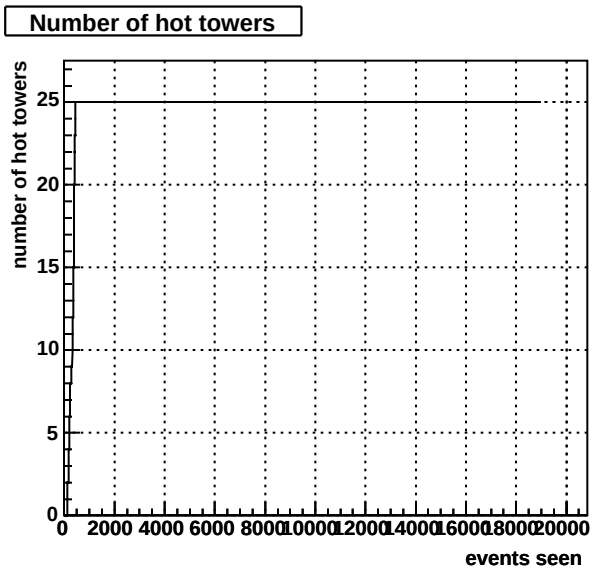

Number of L2 towers
hNumberOfTowersL2
Entries 9617
Mean 28.37
RMS 14.89
Underflow 0
Overflow 3

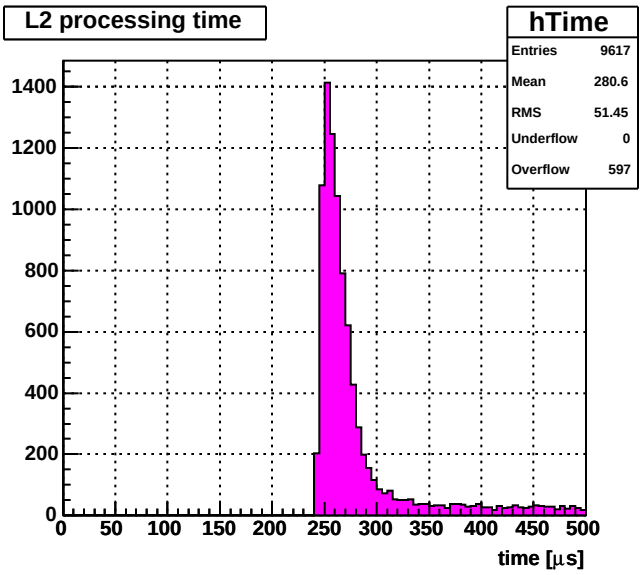

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9617
Mean 7.652
RMS 2.243
Underflow 0
Overflow 39
χ² / ndf 120.7 / 43
Constant 9.027 ± 0.047
Slope -0.4311 ± 0.0056
E [GeV]

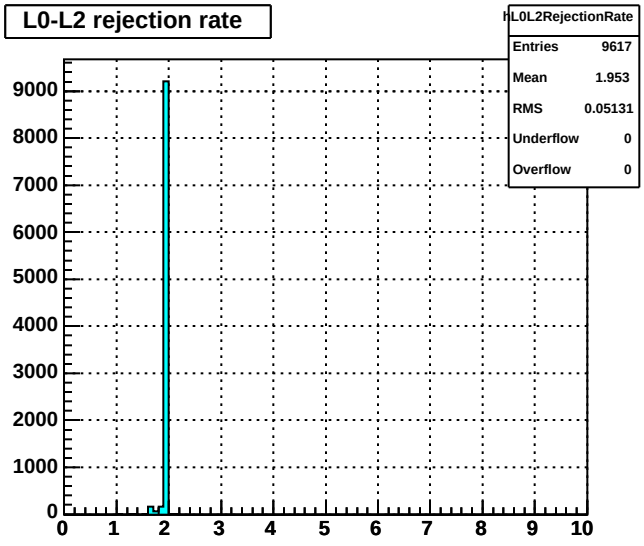

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9617
Mean 3.599
RMS 0.6219
Underflow 0
Overflow 0
χ² / ndf 26.49 / 23
Constant 13.18 ± 0.06
Slope -1.696 ± 0.017
E [GeV]

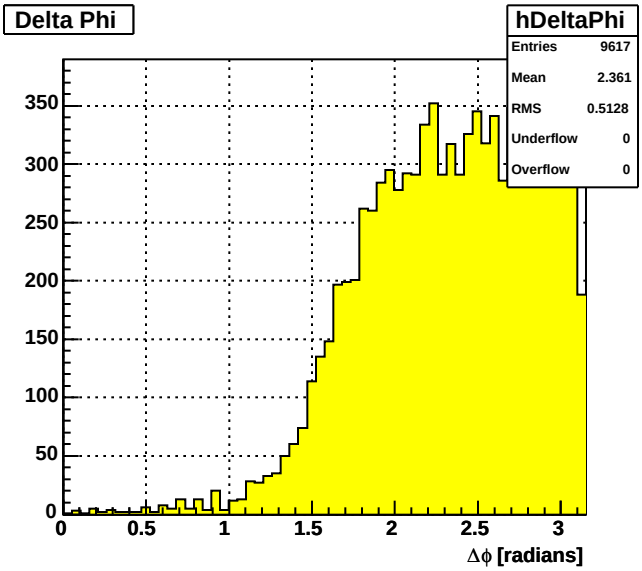

Invariant mass
hInvMass
Entries 9617
Mean 9.078
RMS 1.605
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

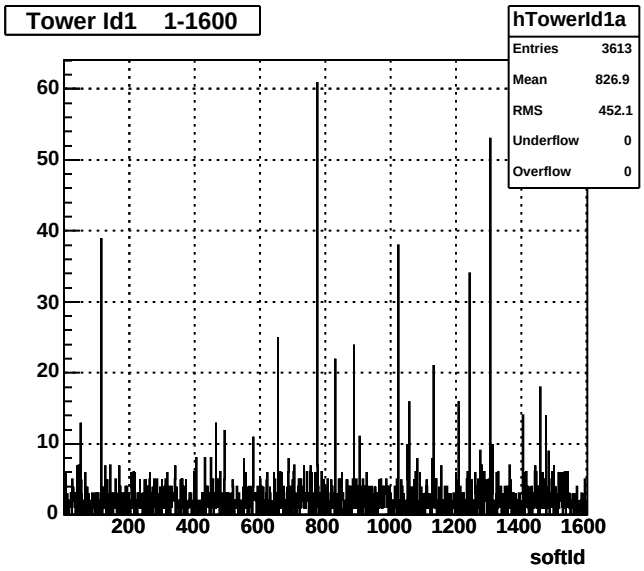

Opening angle
hCosTheta
Entries 9617
Mean -0.5473
RMS 0.2849
Underflow 0
Overflow 0
cos θ

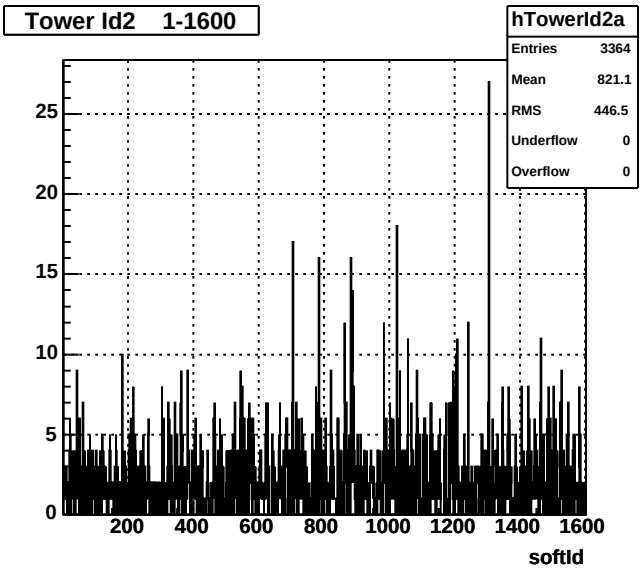

Number of hot towers
number of hot towers
events seen

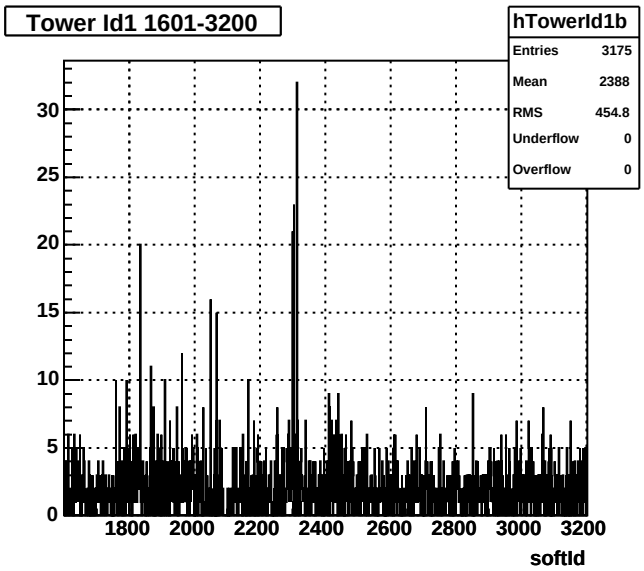

L2 processing time
hTime
Entries 9617
Mean 280.6
RMS 51.45
Underflow 0
Overflow 597
time [μs]

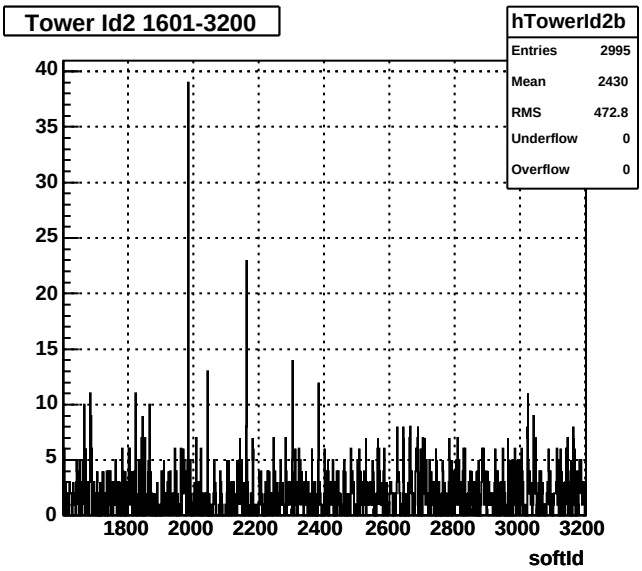

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9617
Mean 1.953
RMS 0.05131
Underflow 0
Overflow 0

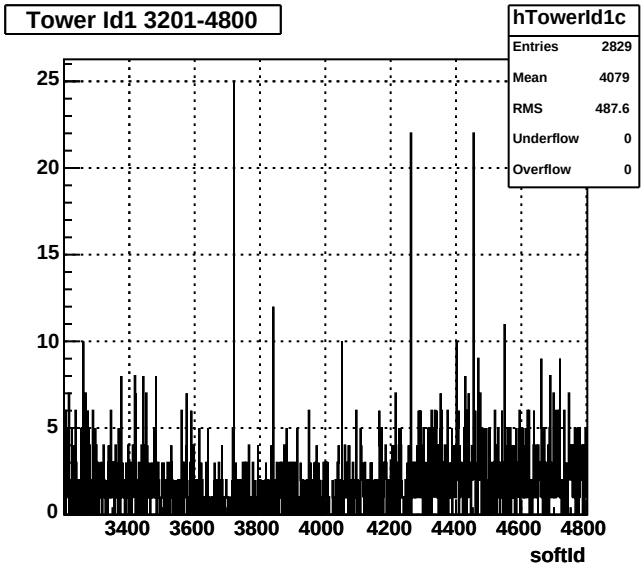

Delta Phi
hDeltaPhi
Entries 9617
Mean 2.361
RMS 0.5128
Underflow 0
Overflow 0
Δφ [radians]

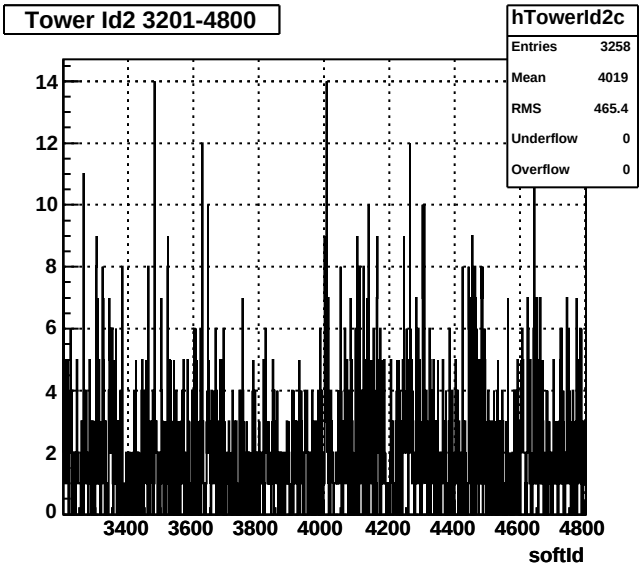

Tower Id1 1-1600
hTowerId1a
Entries 3613
Mean 826.9
RMS 452.1
Underflow 0
Overflow 0
softId

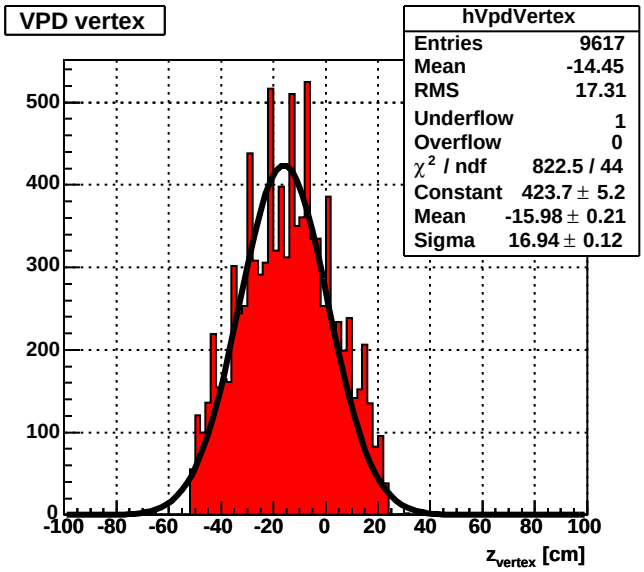

Tower Id2 1-1600
hTowerId2a
Entries 3364
Mean 821.1
RMS 446.5
Underflow 0
Overflow 0
softId

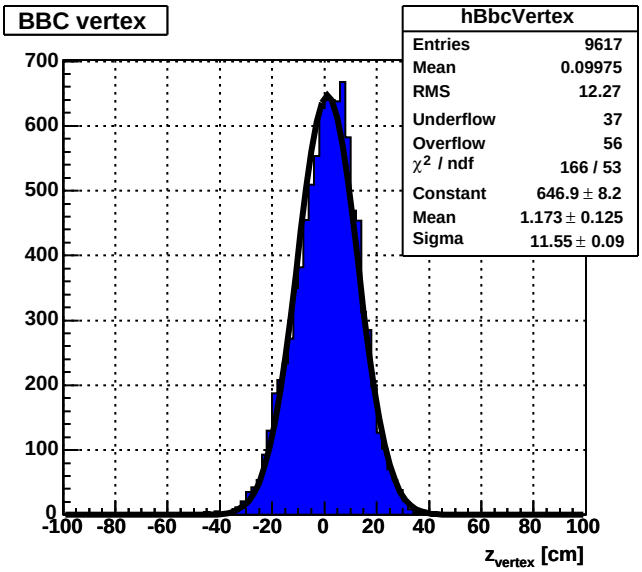

Tower Id1 1601-3200
hTowerId1b
Entries 3175
Mean 2388
RMS 454.8
Underflow 0
Overflow 0
softId

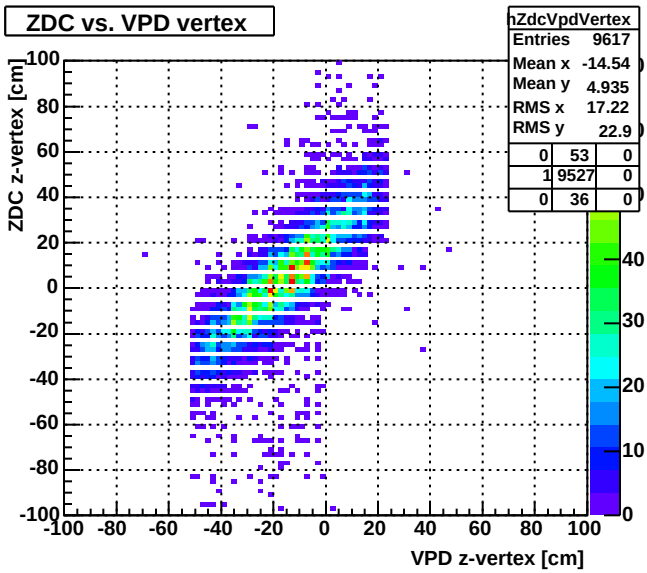

Tower Id2 1601-3200
hTowerId2b
Entries 2995
Mean 2430
RMS 472.8
Underflow 0
Overflow 0
softId

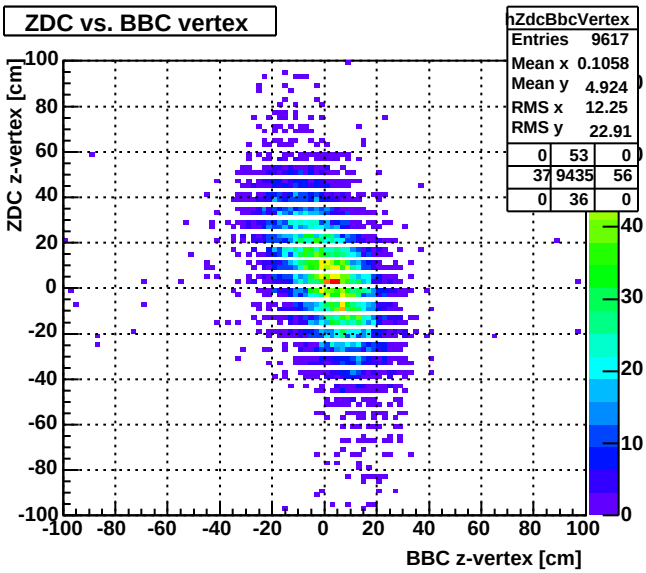

Tower Id1 3201-4800
hTowerId1c
Entries 2829
Mean 4079
RMS 487.6
Underflow 0
Overflow 0
softId

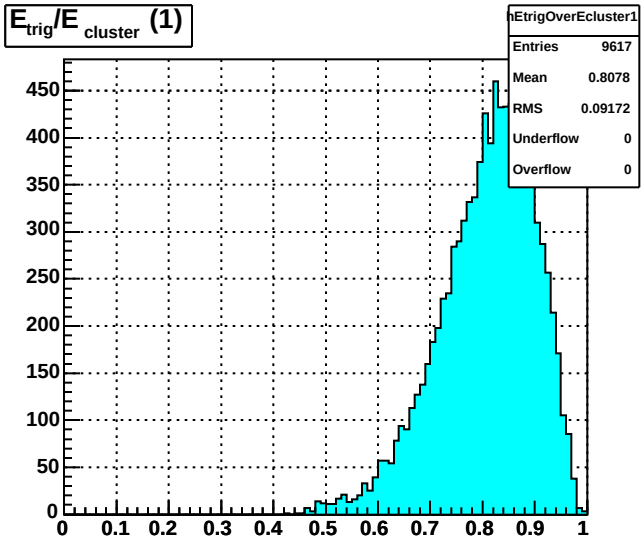

Tower Id2 3201-4800
hTowerId2c
Entries 3258
Mean 4019
RMS 465.4
Underflow 0
Overflow 0
softId

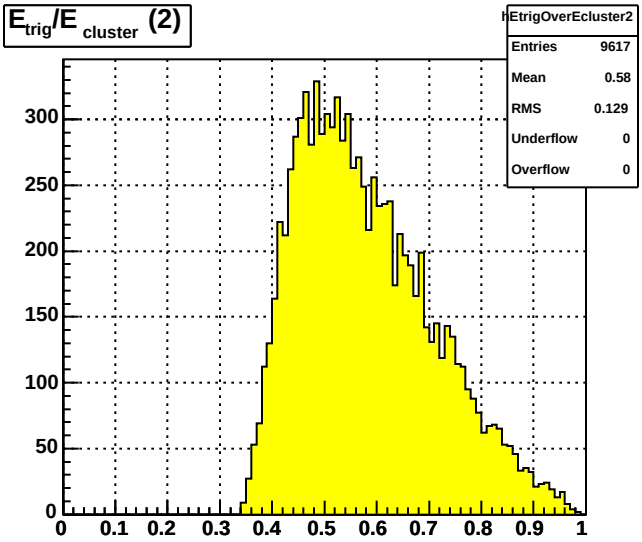

VPD vertex
hVpdVertex
Entries 9617
Mean -14.45
RMS 17.31
Underflow 1
Overflow 0
χ² / ndf 822.5 / 44
Constant 423.7 ± 5.2
Mean -15.98 ± 0.21
Sigma 16.94 ± 0.12
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9617
Mean 0.09975
RMS 12.27
Underflow 37
Overflow 56
χ² / ndf 166 / 53
Constant 646.9 ± 8.2
Mean 1.173 ± 0.125
Sigma 11.55 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9617
Mean x -14.54
Mean y 4.935
RMS x 17.22
RMS y 22.9
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9617
Mean x 0.1058
Mean y 4.924
RMS x 12.25
RMS y 22.91
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9617
Mean 0.8078
RMS 0.09172
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9617
Mean 0.58
RMS 0.129
Underflow 0
Overflow 0