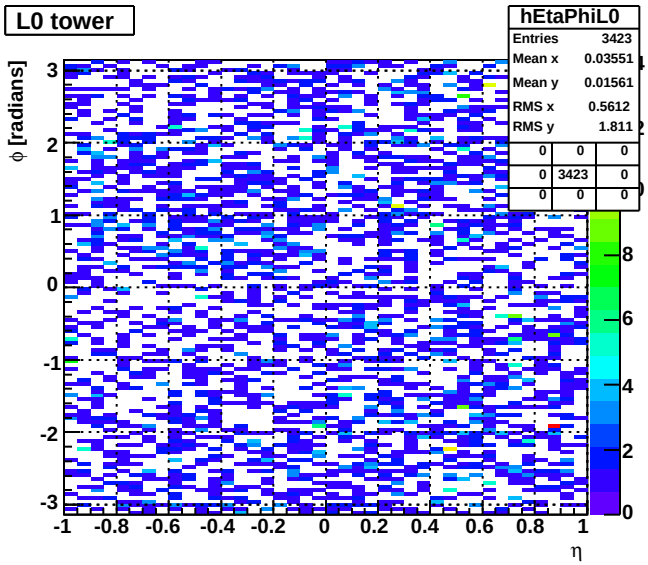
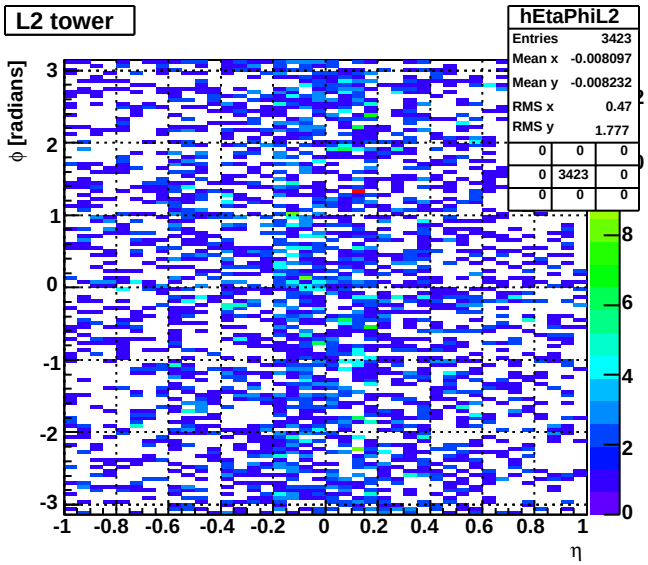
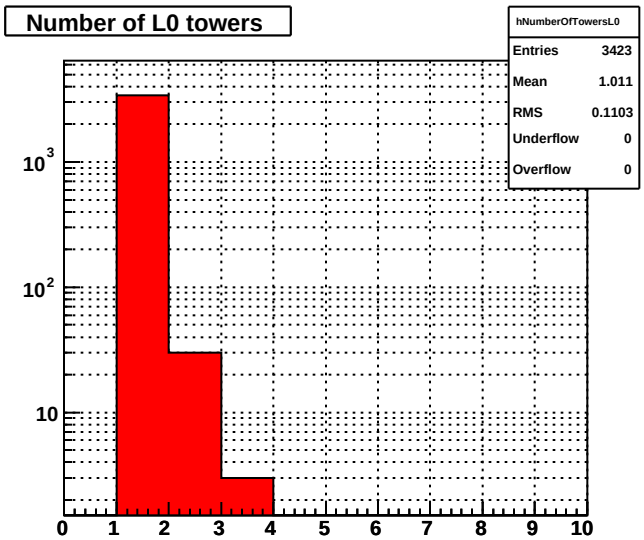
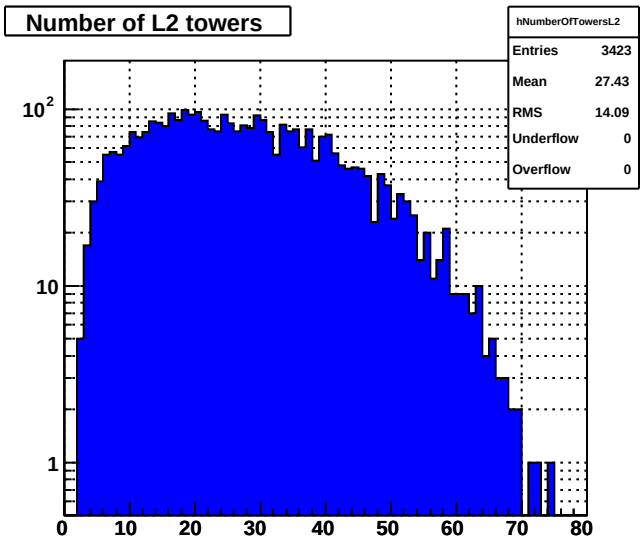
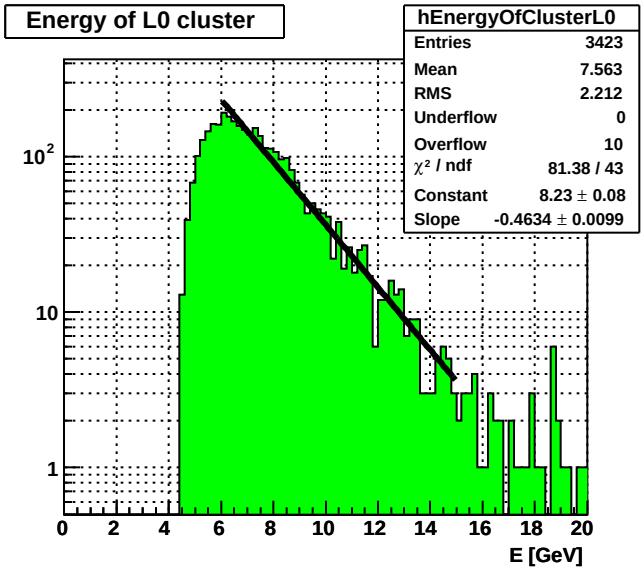
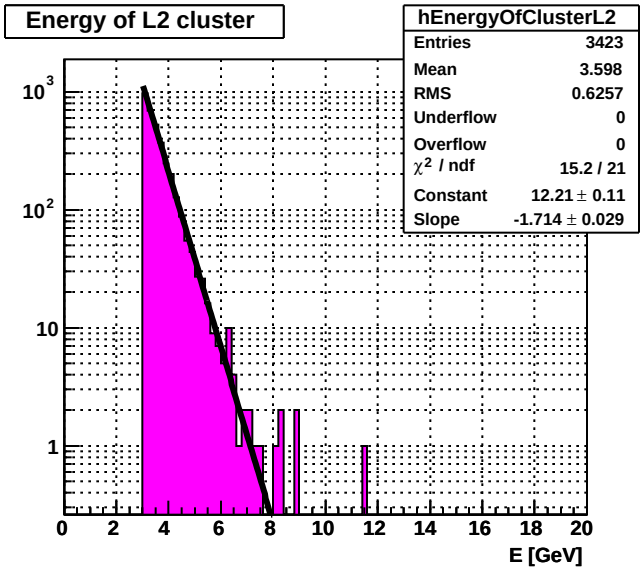

L0 tower
hEtaPhiL0
Entries 3423
Mean x 0.03551
Mean y 0.01561
RMS x 0.5612
RMS y 1.811
φ [radians]
η

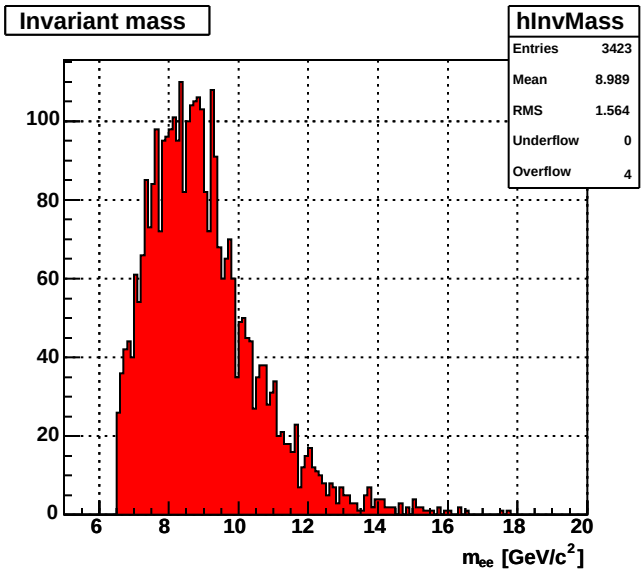

L2 tower
hEtaPhiL2
Entries 3423
Mean x -0.008097
Mean y -0.008232
RMS x 0.47
RMS y 1.777
φ [radians]
η

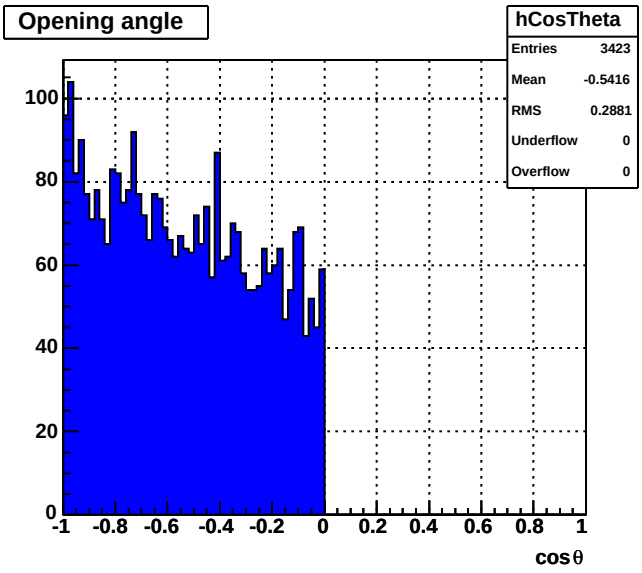

Number of L0 towers
hNumberOfTowersL0
Entries 3423
Mean 1.011
RMS 0.1103
Underflow 0
Overflow 0

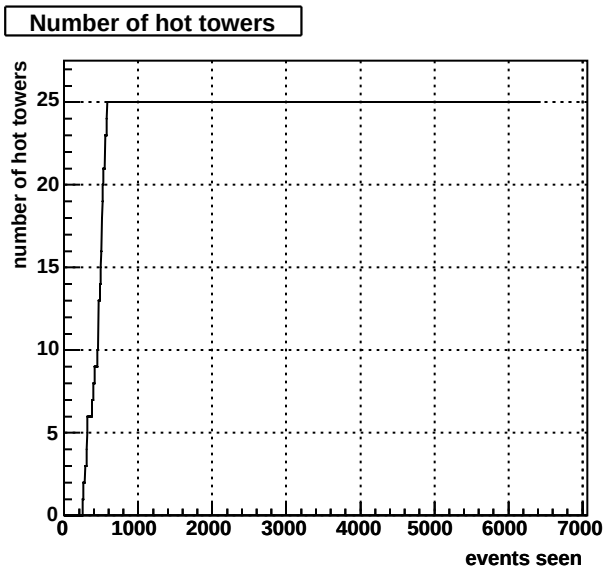

Number of L2 towers
hNumberOfTowersL2
Entries 3423
Mean 27.43
RMS 14.09
Underflow 0
Overflow 0

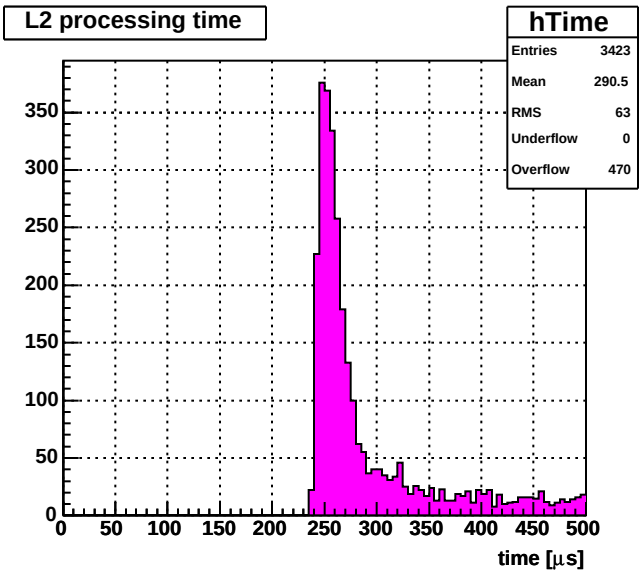

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3423
Mean 7.563
RMS 2.212
Underflow 0
Overflow 10
χ² / ndf 81.38 / 43
Constant 8.23 ± 0.08
Slope -0.4634 ± 0.0099
E [GeV]

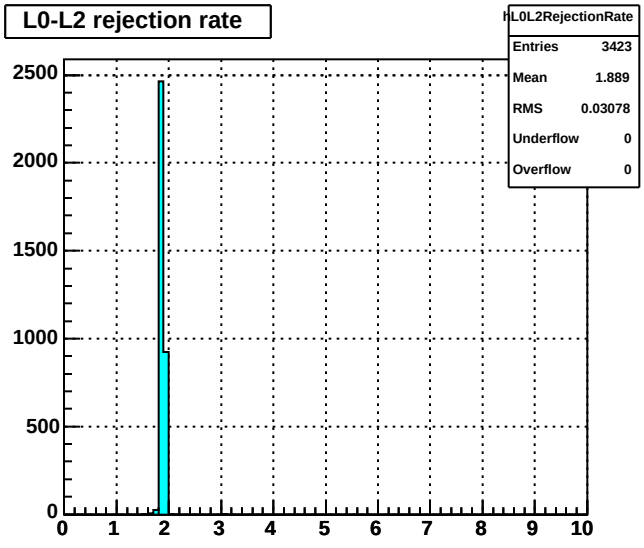

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3423
Mean 3.598
RMS 0.6257
Underflow 0
Overflow 0
χ² / ndf 15.2 / 21
Constant 12.21 ± 0.11
Slope -1.714 ± 0.029
E [GeV]

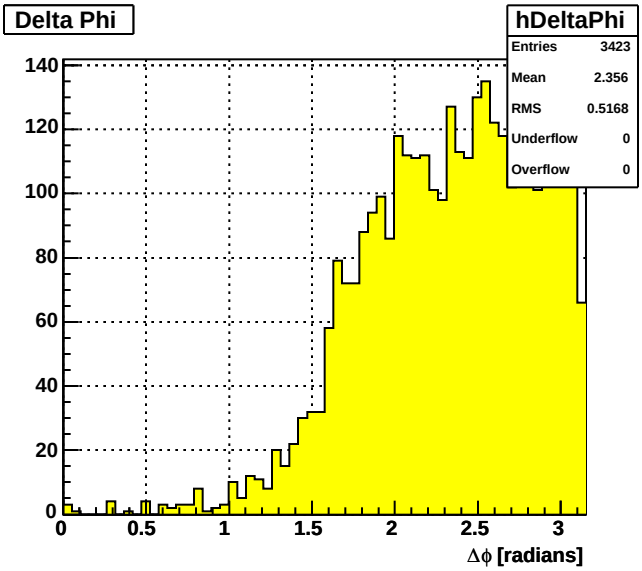

Invariant mass
hInvMass
Entries 3423
Mean 8.989
RMS 1.564
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

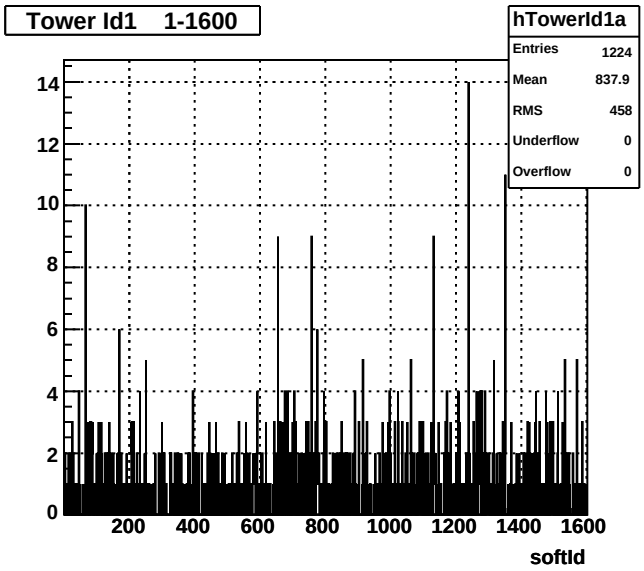

Opening angle
hCosTheta
Entries 3423
Mean -0.5416
RMS 0.2881
Underflow 0
Overflow 0
cos θ

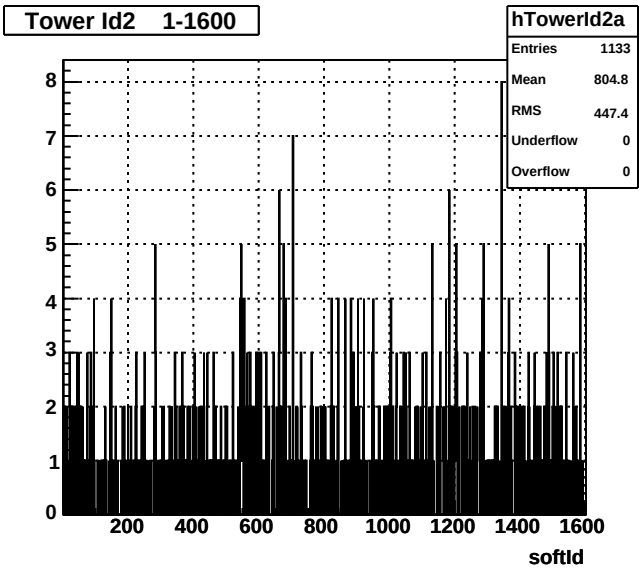

Number of hot towers
number of hot towers
events seen

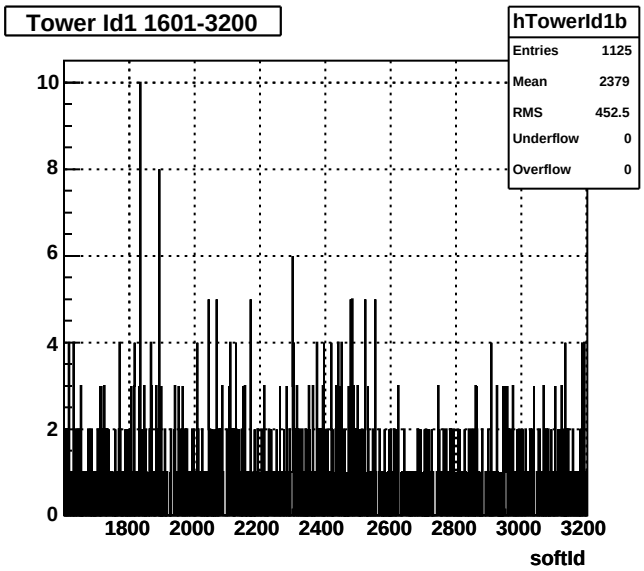

L2 processing time
hTime
Entries 3423
Mean 290.5
RMS 63
Underflow 0
Overflow 470
time [μs]

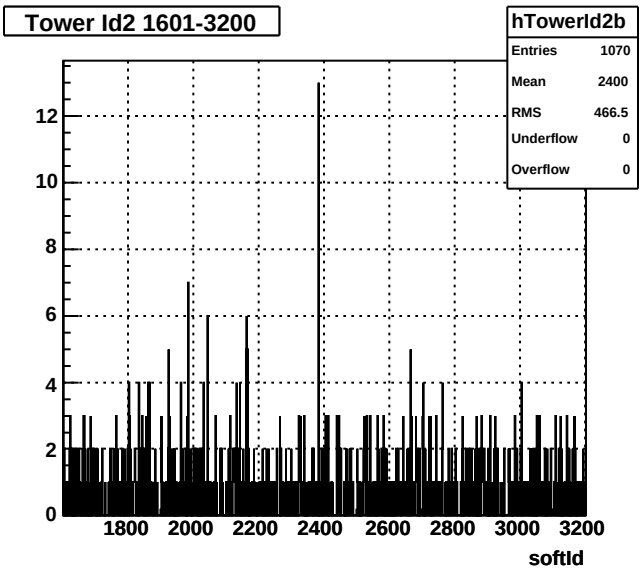

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3423
Mean 1.889
RMS 0.03078
Underflow 0
Overflow 0

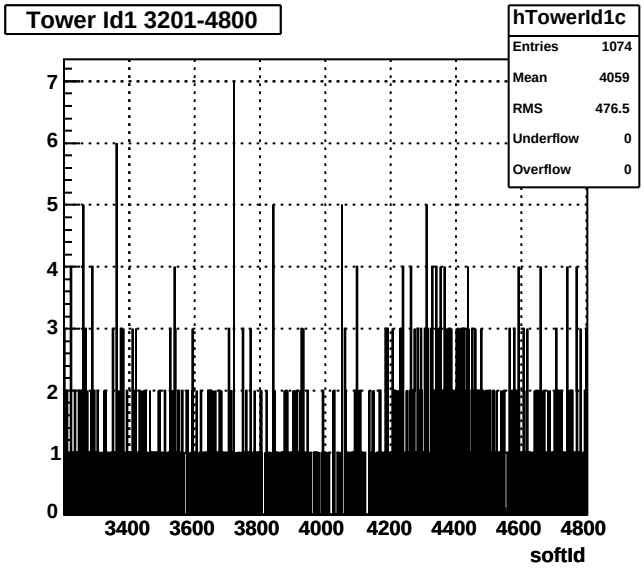

Delta Phi
hDeltaPhi
Entries 3423
Mean 2.356
RMS 0.5168
Underflow 0
Overflow 0
Δϕ [radians]

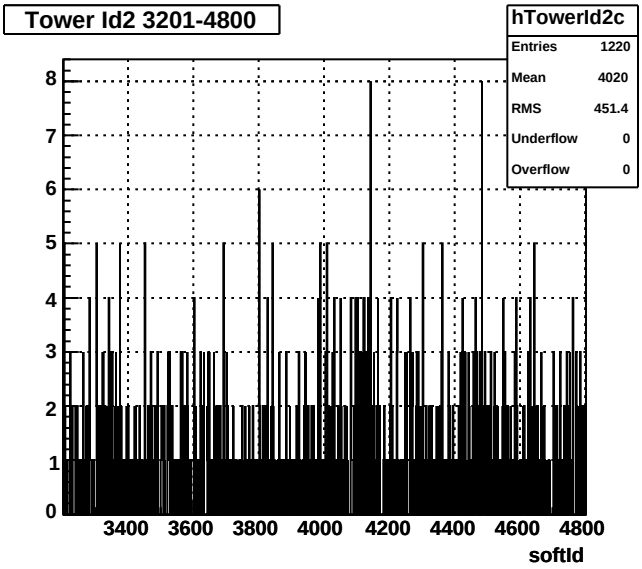

Tower Id1 1-1600
hTowerId1a
Entries 1224
Mean 837.9
RMS 458
Underflow 0
Overflow 0
softId

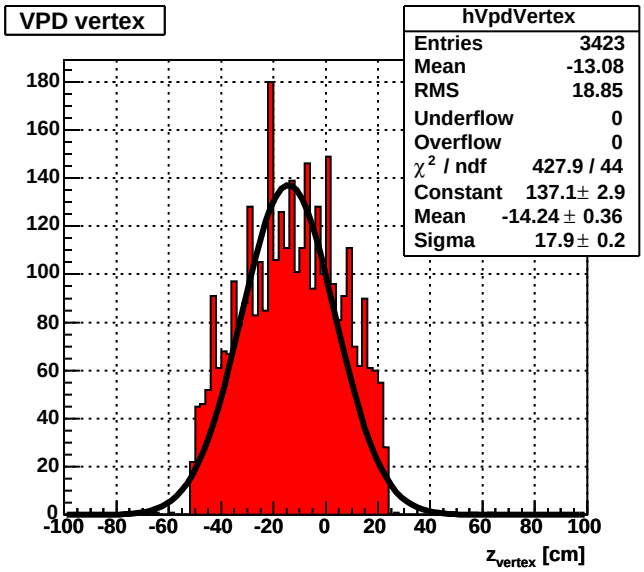

Tower Id2 1-1600
hTowerId2a
Entries 1133
Mean 804.8
RMS 447.4
Underflow 0
Overflow 0
softId

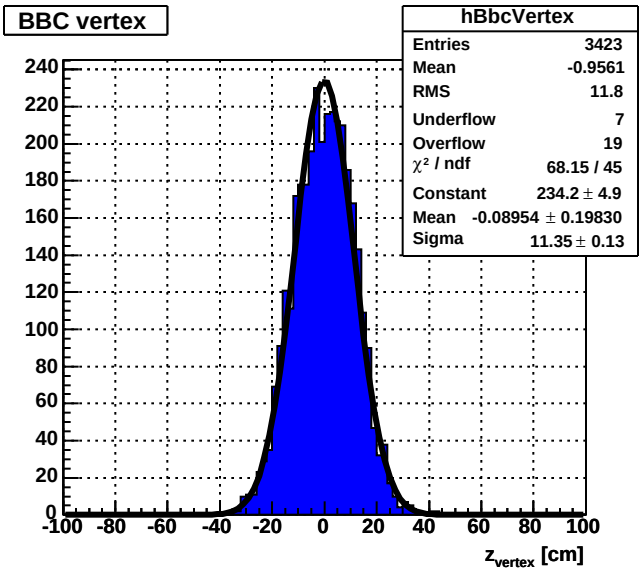

Tower Id1 1601-3200
hTowerId1b
Entries 1125
Mean 2379
RMS 452.5
Underflow 0
Overflow 0
softId

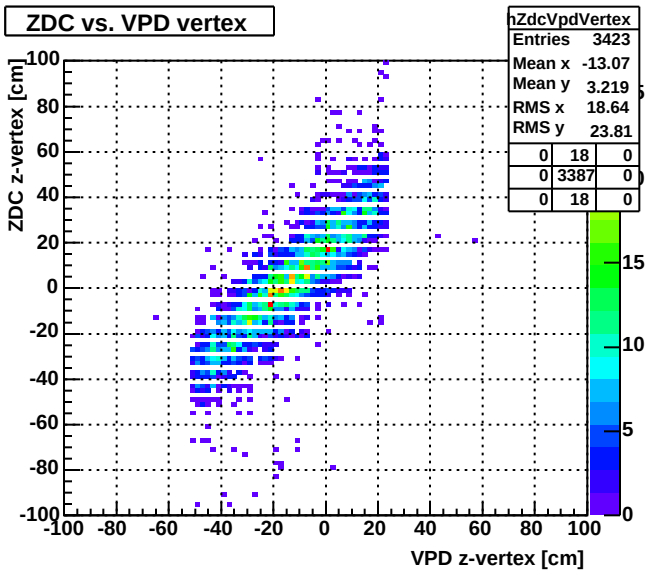

Tower Id2 1601-3200
hTowerId2b
Entries 1070
Mean 2400
RMS 466.5
Underflow 0
Overflow 0
softId

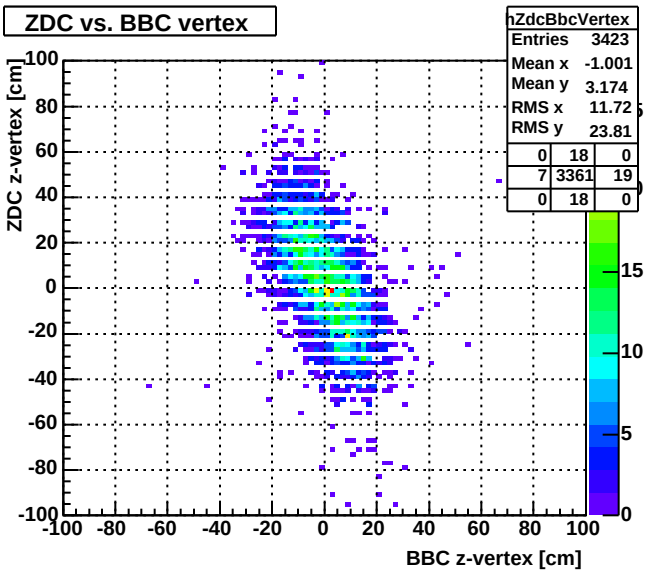

Tower Id1 3201-4800
hTowerId1c
Entries 1074
Mean 4059
RMS 476.5
Underflow 0
Overflow 0
softId

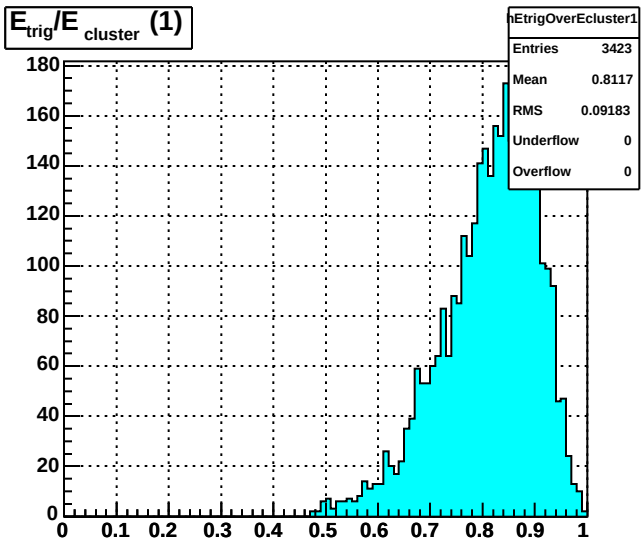

Tower Id2 3201-4800
hTowerId2c
Entries 1220
Mean 4020
RMS 451.4
Underflow 0
Overflow 0
softId

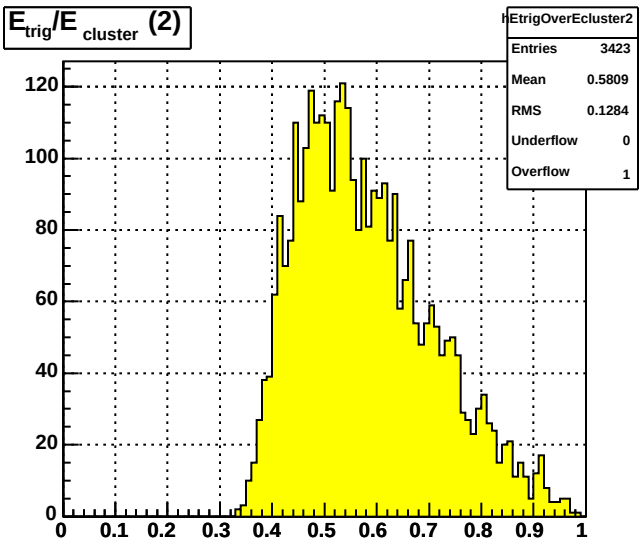

VPD vertex
hVpdVertex
Entries 3423
Mean -13.08
RMS 18.85
Underflow 0
Overflow 0
χ² / ndf 427.9 / 44
Constant 137.1 ± 2.9
Mean -14.24 ± 0.36
Sigma 17.9 ± 0.2
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3423
Mean -0.9561
RMS 11.8
Underflow 7
Overflow 19
χ² / ndf 68.15 / 45
Constant 234.2 ± 4.9
Mean -0.08954 ± 0.19830
Sigma 11.35 ± 0.13
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3423
Mean x -13.07
Mean y 3.219
RMS x 18.64
RMS y 23.81
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3423
Mean x -1.001
Mean y 3.174
RMS x 11.72
RMS y 23.81
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3423
Mean 0.8117
RMS 0.09183
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3423
Mean 0.5809
RMS 0.1284
Underflow 0
Overflow 1