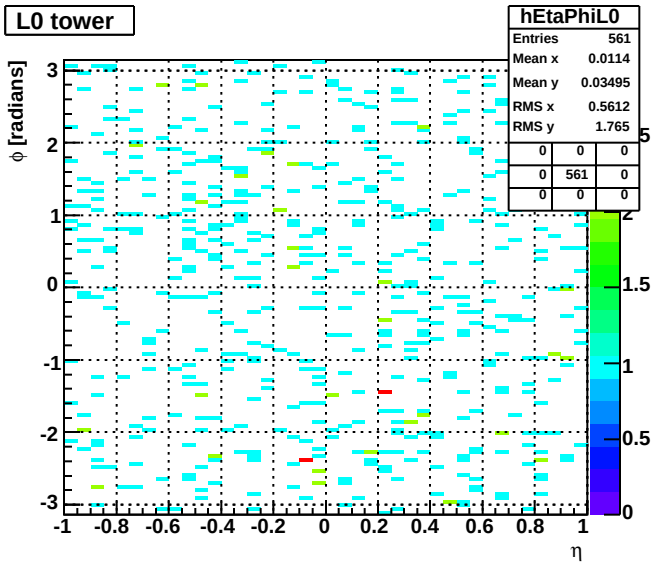
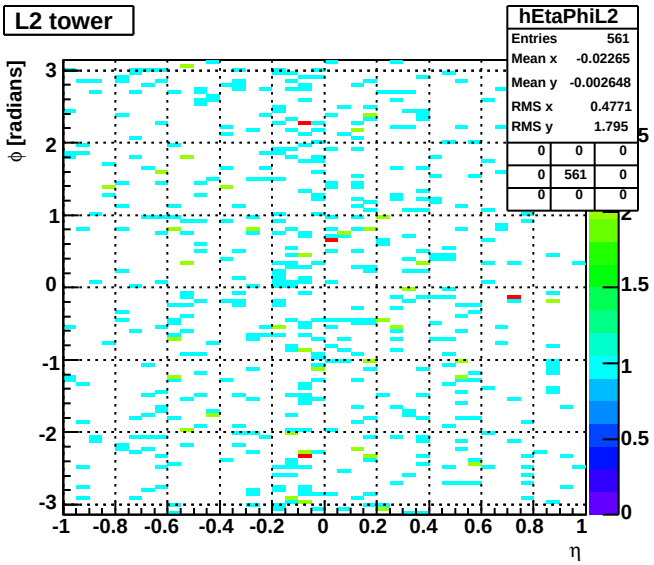
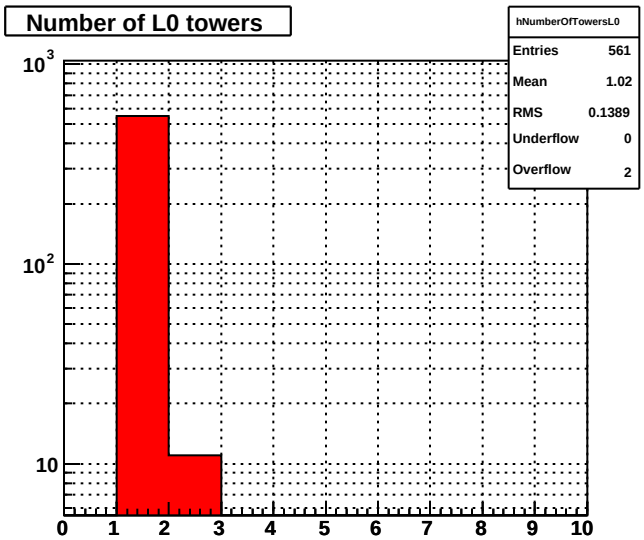
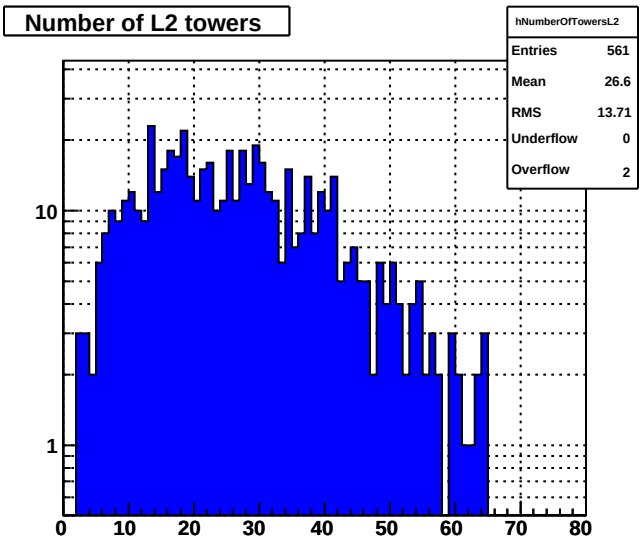
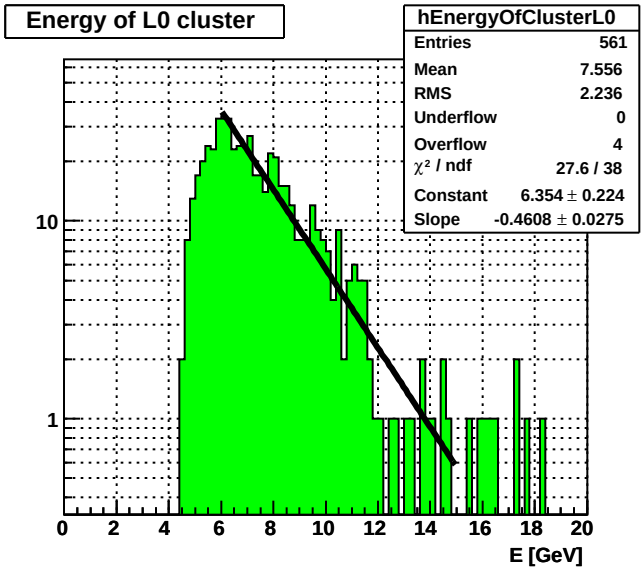
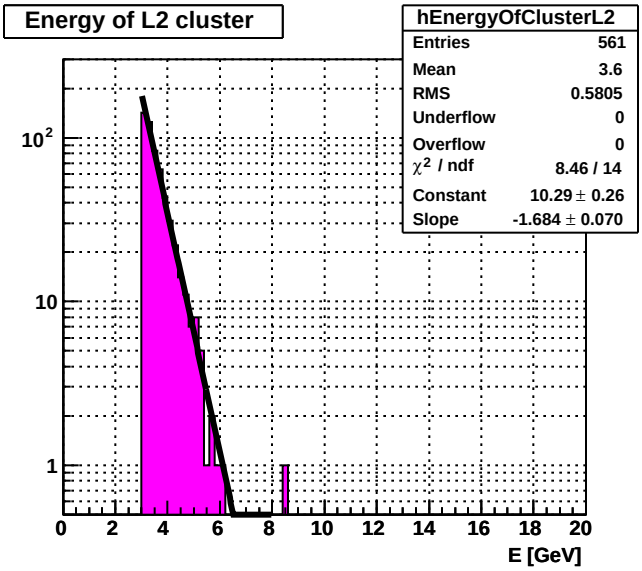

L0 tower
hEtaPhiL0
Entries 561
Mean x 0.0114
Mean y 0.03495
RMS x 0.5612
RMS y 1.765
φ [radians]
η

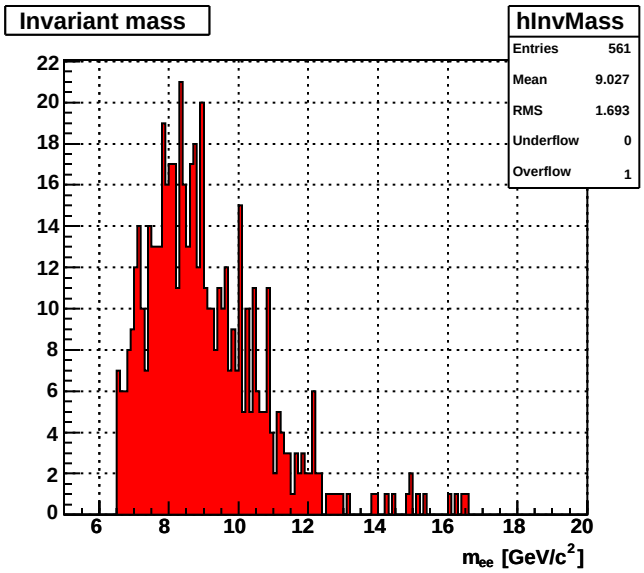

L2 tower
hEtaPhiL2
Entries 561
Mean x -0.02265
Mean y -0.002648
RMS x 0.4771
RMS y 1.795
φ [radians]
η

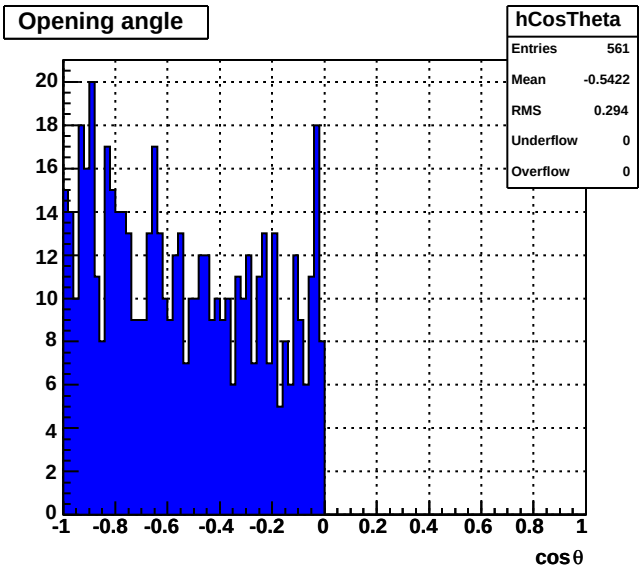

Number of L0 towers
hNumberOfTowersL0
Entries 561
Mean 1.02
RMS 0.1389
Underflow 0
Overflow 2

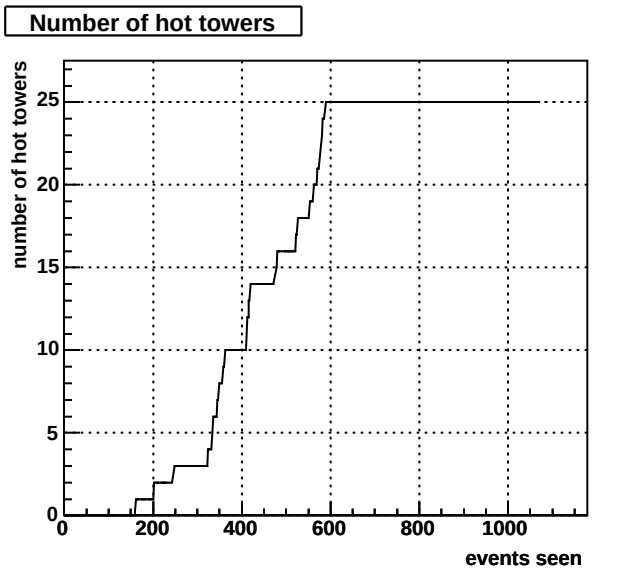

Number of L2 towers
hNumberOfTowersL2
Entries 561
Mean 26.6
RMS 13.71
Underflow 0
Overflow 2

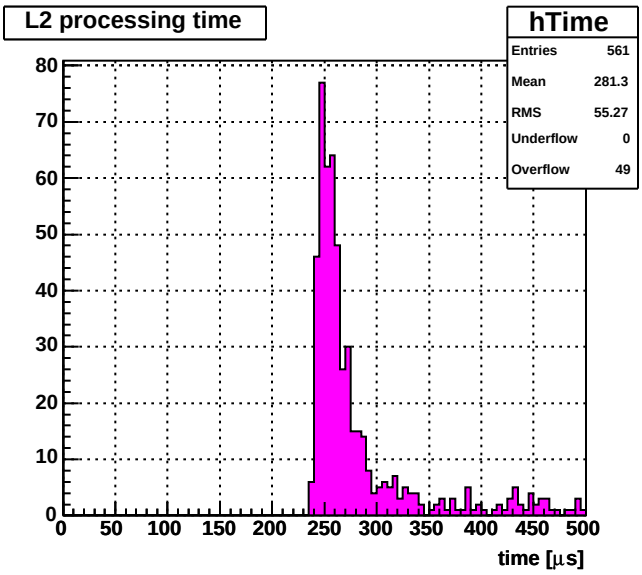

Energy of L0 cluster
hEnergyOfClusterL0
Entries 561
Mean 7.556
RMS 2.236
Underflow 0
Overflow 4
χ² / ndf 27.6 / 38
Constant 6.354 ± 0.224
Slope -0.4608 ± 0.0275
E [GeV]

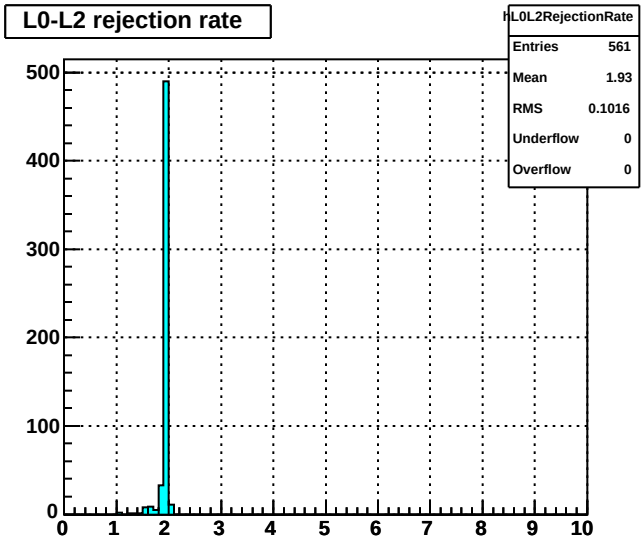

Energy of L2 cluster
hEnergyOfClusterL2
Entries 561
Mean 3.6
RMS 0.5805
Underflow 0
Overflow 0
χ² / ndf 8.46 / 14
Constant 10.29 ± 0.26
Slope -1.684 ± 0.070
E [GeV]

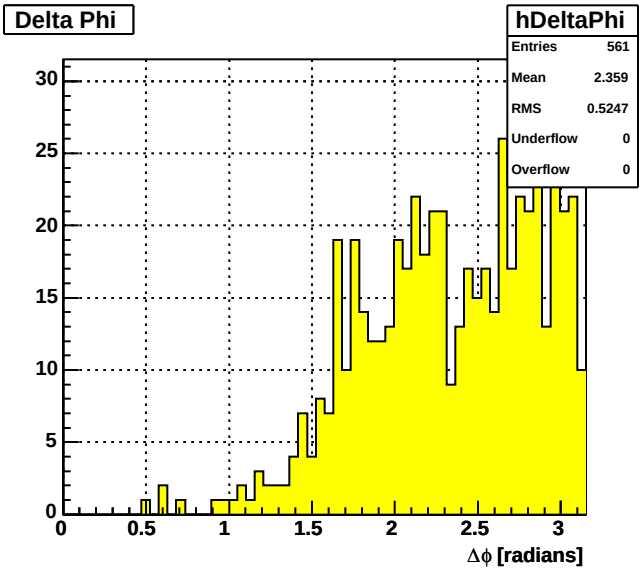

Invariant mass
hInvMass
Entries 561
Mean 9.027
RMS 1.693
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

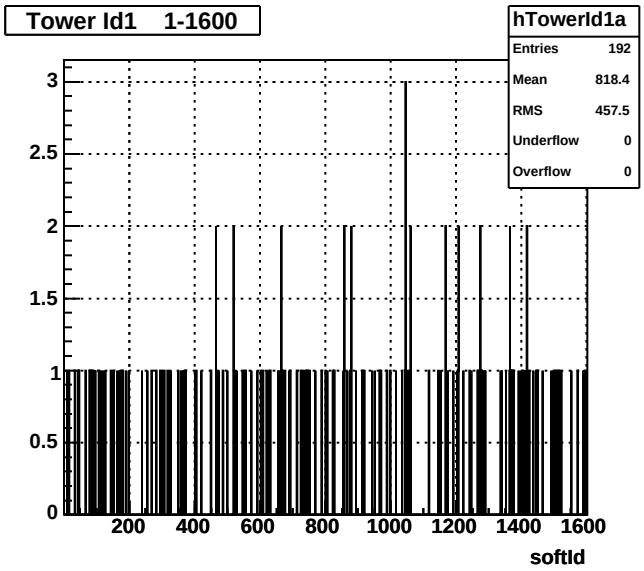

Opening angle
hCosTheta
Entries 561
Mean -0.5422
RMS 0.294
Underflow 0
Overflow 0
cos θ

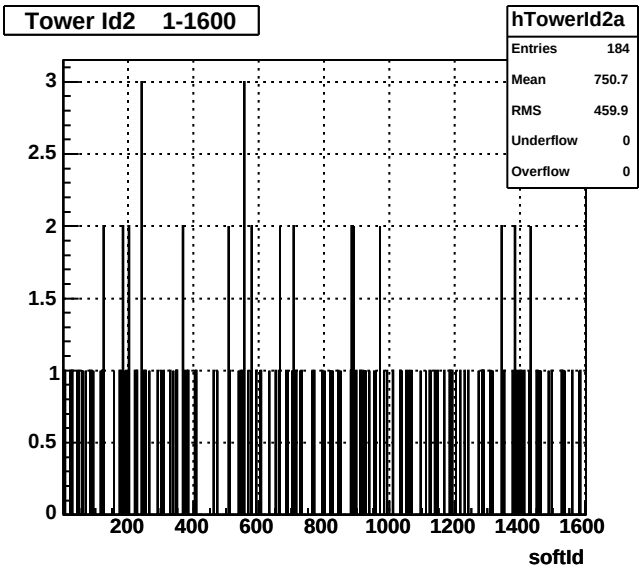

Number of hot towers
number of hot towers
events seen

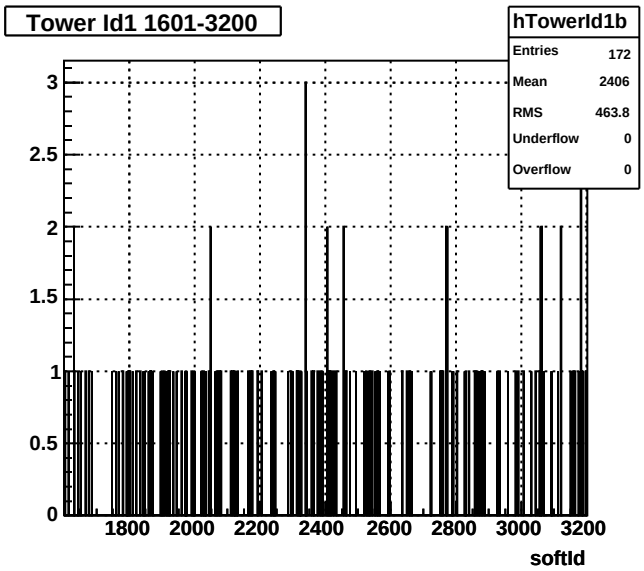

L2 processing time
hTime
Entries 561
Mean 281.3
RMS 55.27
Underflow 0
Overflow 49
time [μs]

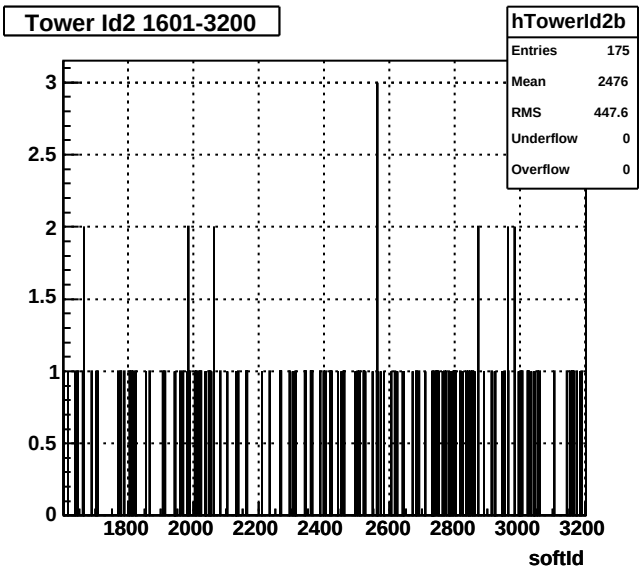

L0-L2 rejection rate
hL0L2RejectionRate
Entries 561
Mean 1.93
RMS 0.1016
Underflow 0
Overflow 0

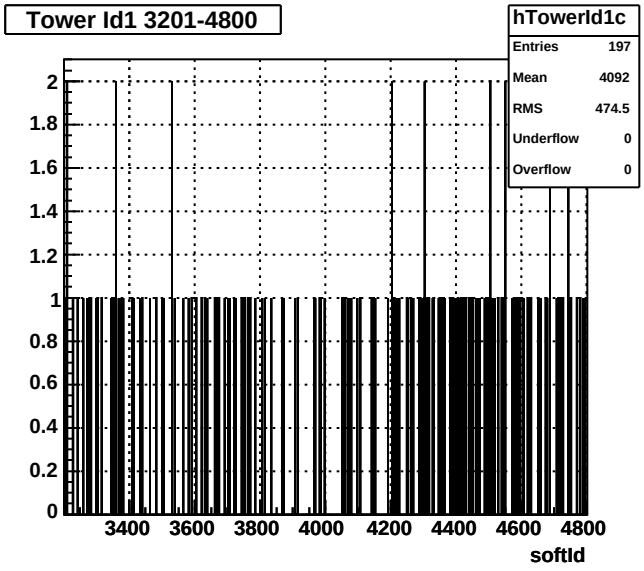

Delta Phi
hDeltaPhi
Entries 561
Mean 2.359
RMS 0.5247
Underflow 0
Overflow 0
Δφ [radians]

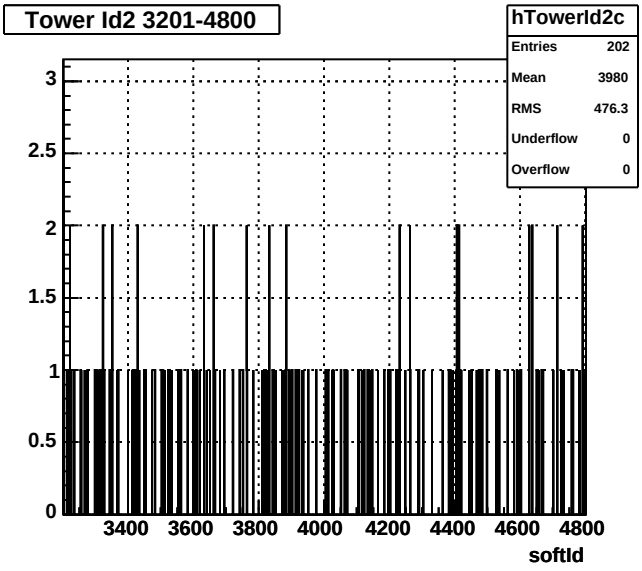

Tower Id1 1-1600
hTowerId1a
Entries 192
Mean 818.4
RMS 457.5
Underflow 0
Overflow 0
softId

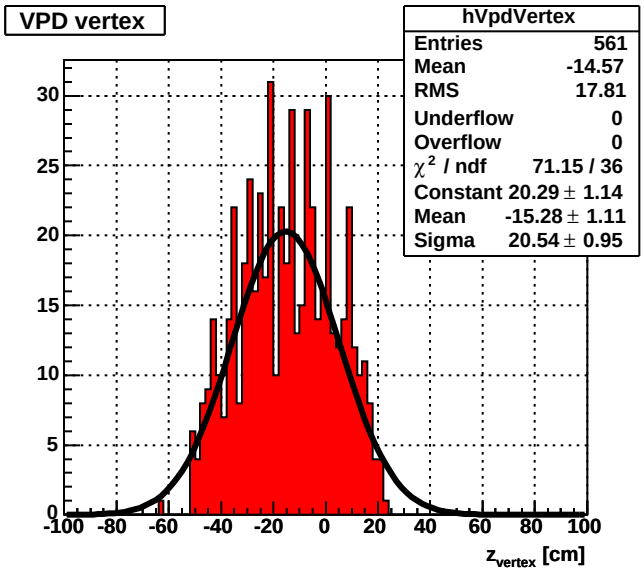

Tower Id2 1-1600
hTowerId2a
Entries 184
Mean 750.7
RMS 459.9
Underflow 0
Overflow 0
softId

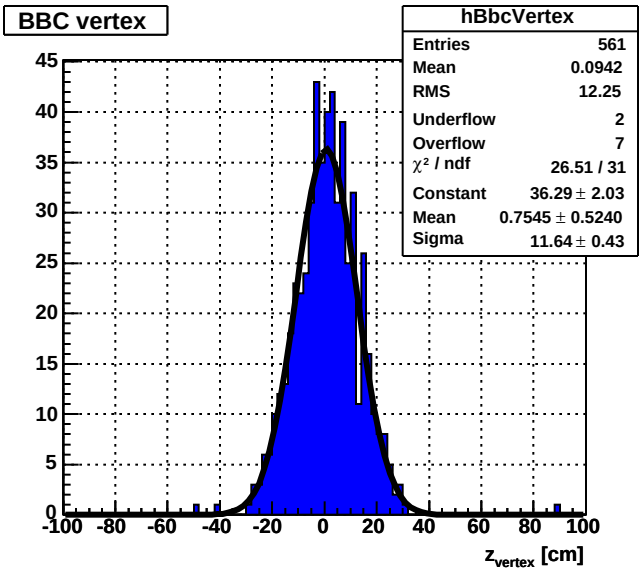

Tower Id1 1601-3200
hTowerId1b
Entries 172
Mean 2406
RMS 463.8
Underflow 0
Overflow 0
softId

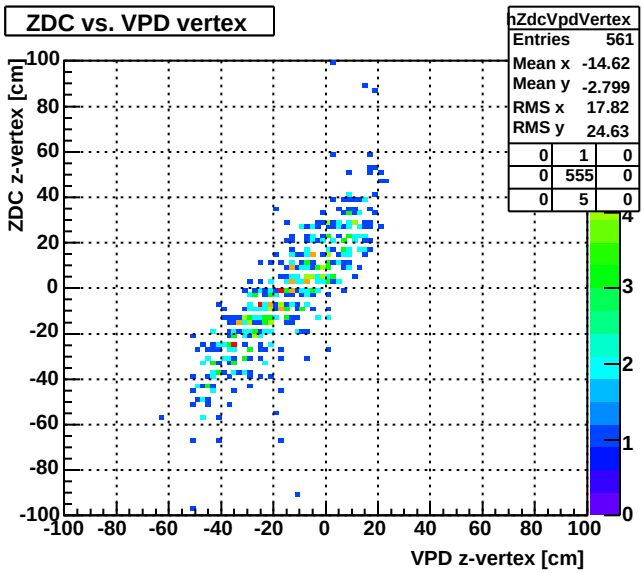

Tower Id2 1601-3200
hTowerId2b
Entries 175
Mean 2476
RMS 447.6
Underflow 0
Overflow 0
softId

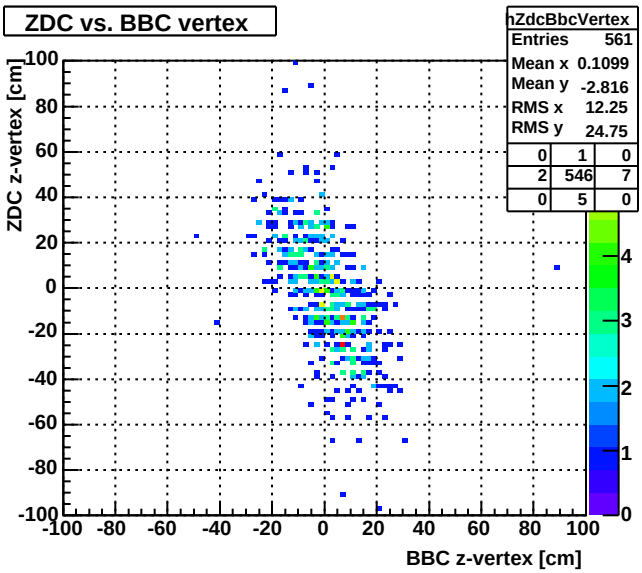

Tower Id1 3201-4800
hTowerId1c
Entries 197
Mean 4092
RMS 474.5
Underflow 0
Overflow 0
softId

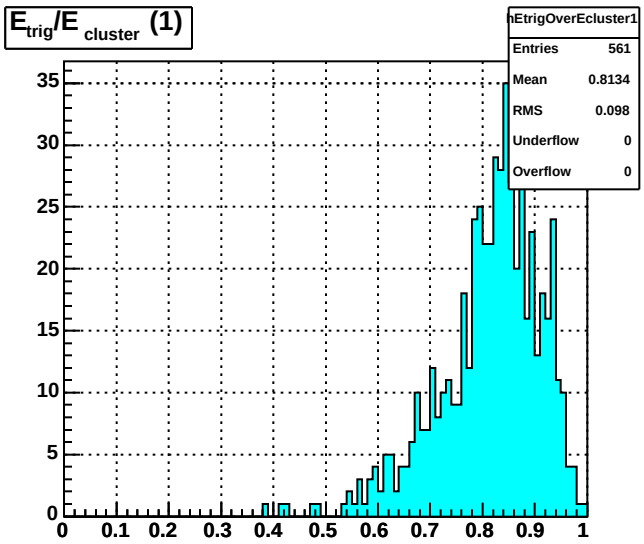

Tower Id2 3201-4800
hTowerId2c
Entries 202
Mean 3980
RMS 476.3
Underflow 0
Overflow 0
softId

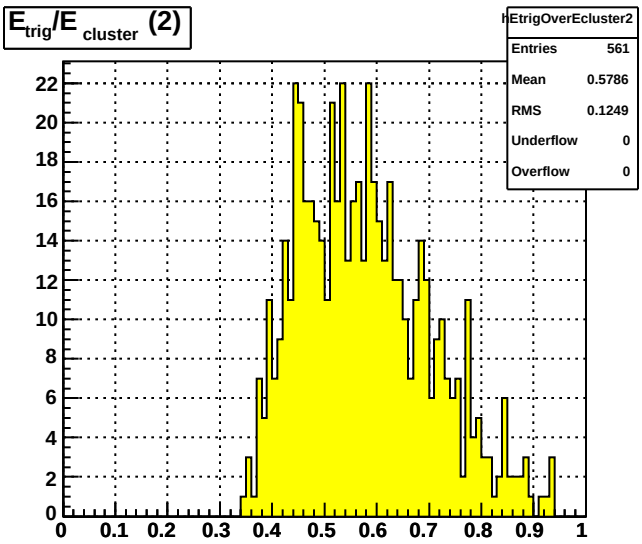

VPD vertex
hVpdVertex
Entries 561
Mean -14.57
RMS 17.81
Underflow 0
Overflow 0
χ² / ndf 71.15 / 36
Constant 20.29 ± 1.14
Mean -15.28 ± 1.11
Sigma 20.54 ± 0.95
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 561
Mean 0.0942
RMS 12.25
Underflow 2
Overflow 7
χ² / ndf 26.51 / 31
Constant 36.29 ± 2.03
Mean 0.7545 ± 0.5240
Sigma 11.64 ± 0.43
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 561
Mean x -14.62
Mean y -2.799
RMS x 17.82
RMS y 24.63
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 561
Mean x 0.1099
Mean y -2.816
RMS x 12.25
RMS y 24.75
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 561
Mean 0.8134
RMS 0.098
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 561
Mean 0.5786
RMS 0.1249
Underflow 0
Overflow 0