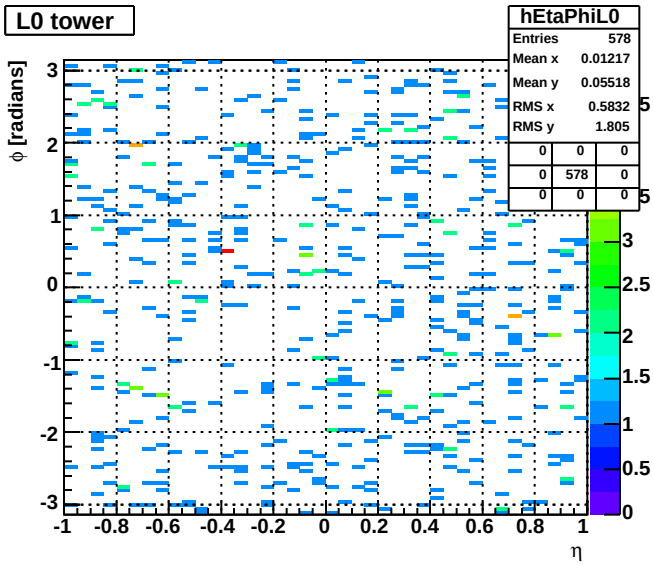
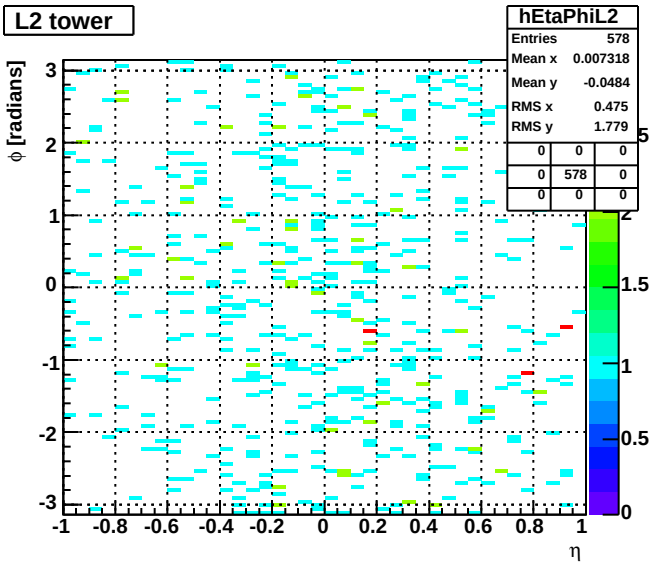
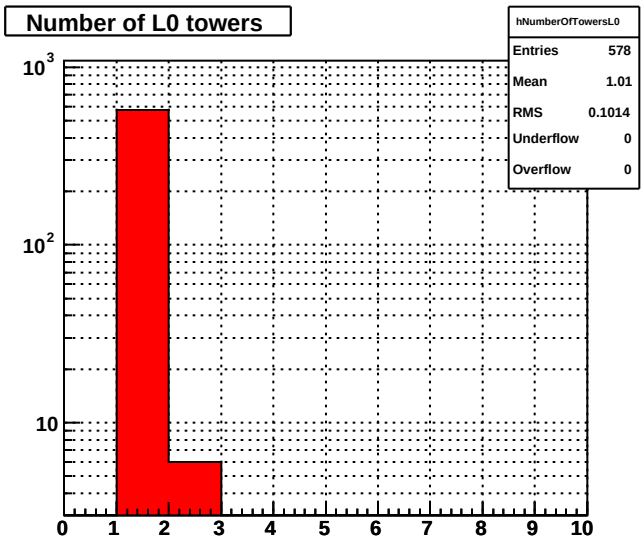
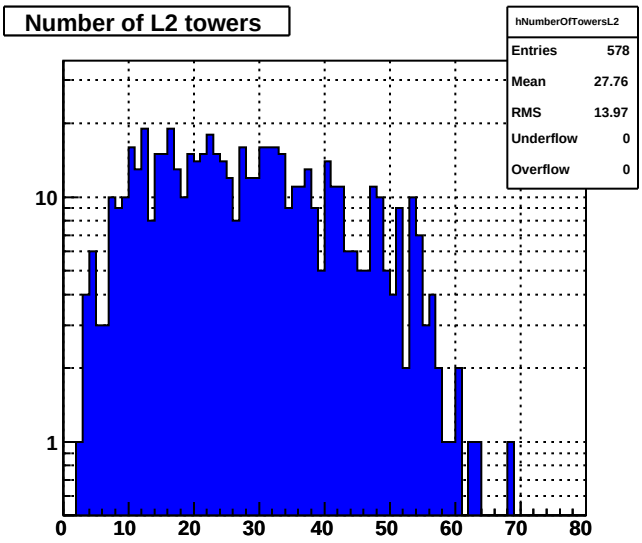
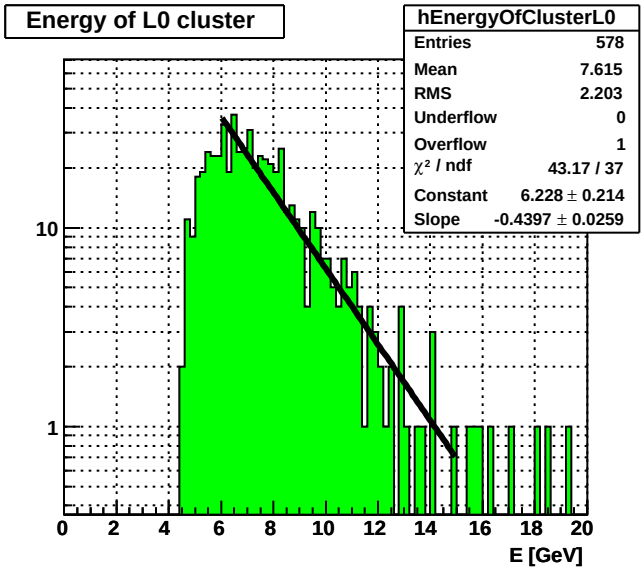
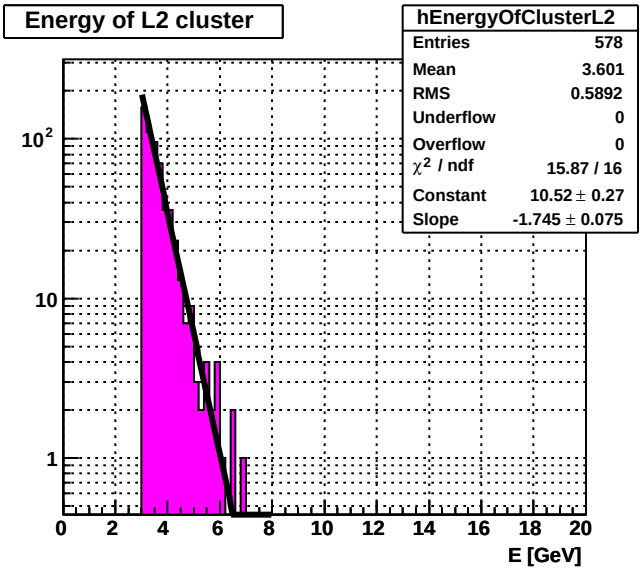

L0 tower
hEtaPhiL0
Entries 578
Mean x 0.01217
Mean y 0.05518
RMS x 0.5832
RMS y 1.805
φ [radians]
η

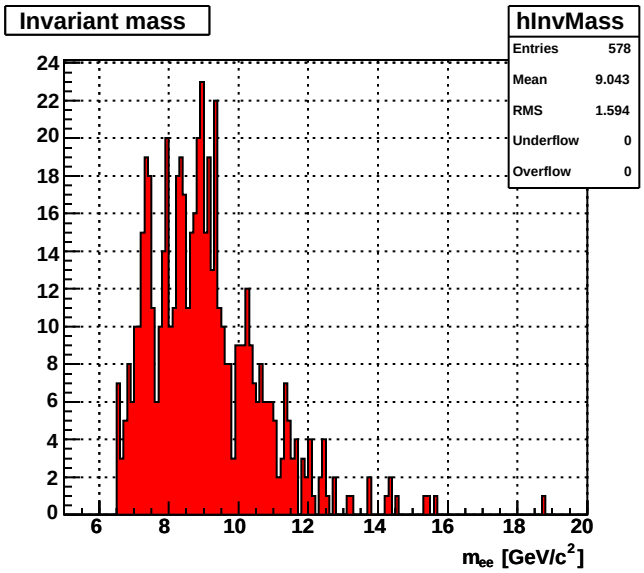

L2 tower
hEtaPhiL2
Entries 578
Mean x 0.007318
Mean y -0.0484
RMS x 0.475
RMS y 1.779
φ [radians]
η

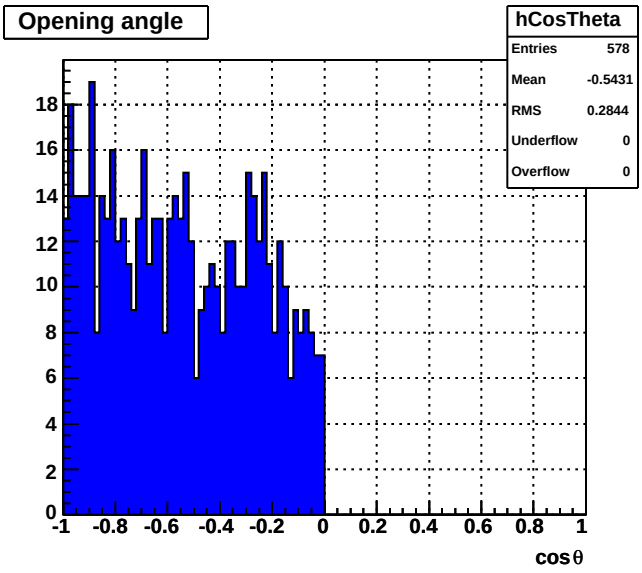

Number of L0 towers
hNumberOfTowersL0
Entries 578
Mean 1.01
RMS 0.1014
Underflow 0
Overflow 0

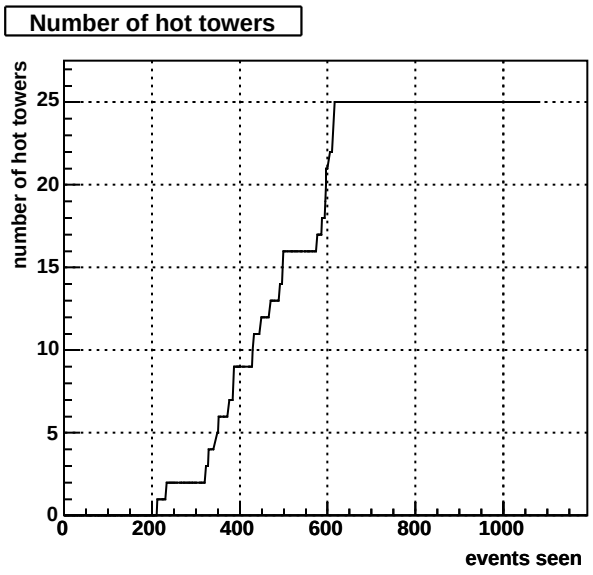

Number of L2 towers
hNumberOfTowersL2
Entries 578
Mean 27.76
RMS 13.97
Underflow 0
Overflow 0

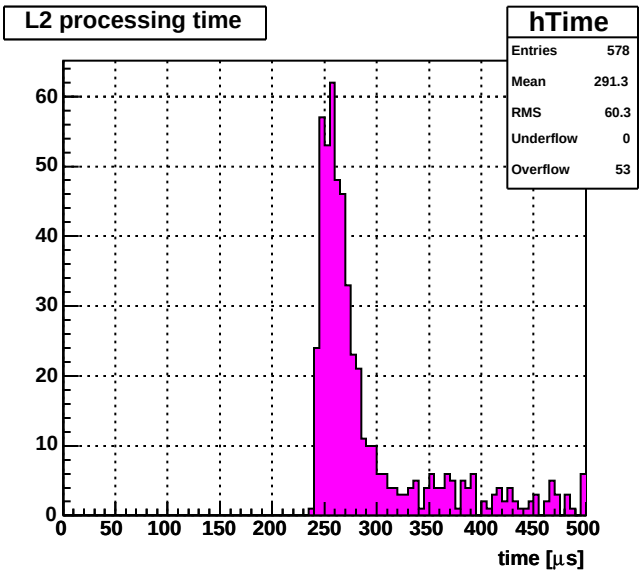

Energy of L0 cluster
hEnergyOfClusterL0
Entries 578
Mean 7.615
RMS 2.203
Underflow 0
Overflow 1
χ² / ndf 43.17 / 37
Constant 6.228 ± 0.214
Slope -0.4397 ± 0.0259
E [GeV]

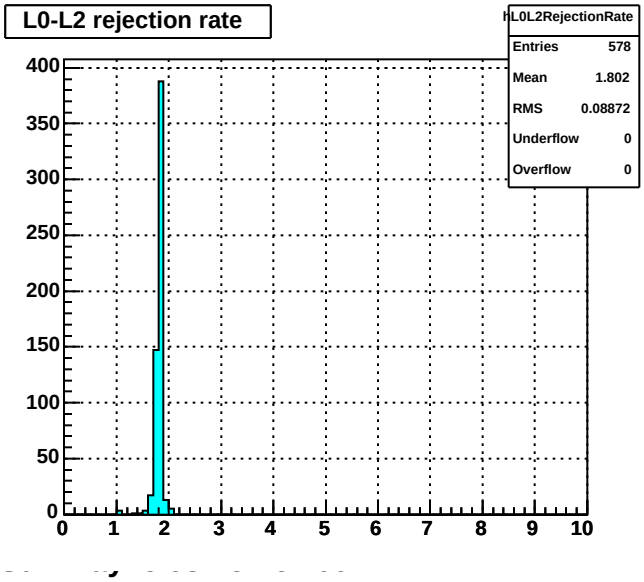

Energy of L2 cluster
hEnergyOfClusterL2
Entries 578
Mean 3.601
RMS 0.5892
Underflow 0
Overflow 0
χ² / ndf 15.87 / 16
Constant 10.52 ± 0.27
Slope -1.745 ± 0.075
E [GeV]

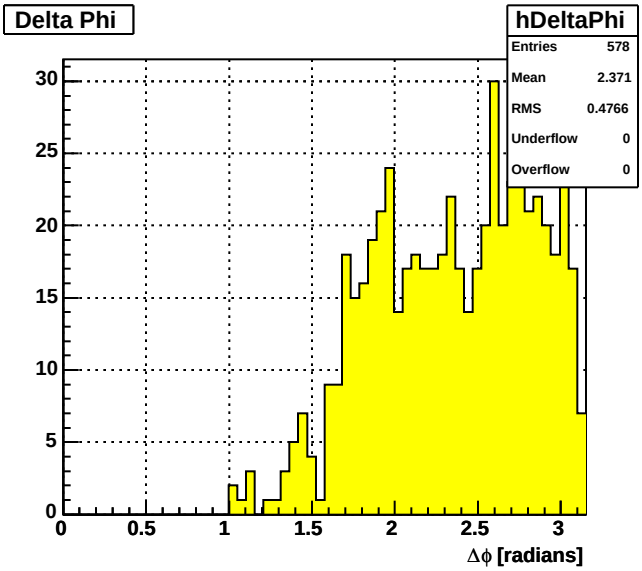

Invariant mass
hInvMass
Entries 578
Mean 9.043
RMS 1.594
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

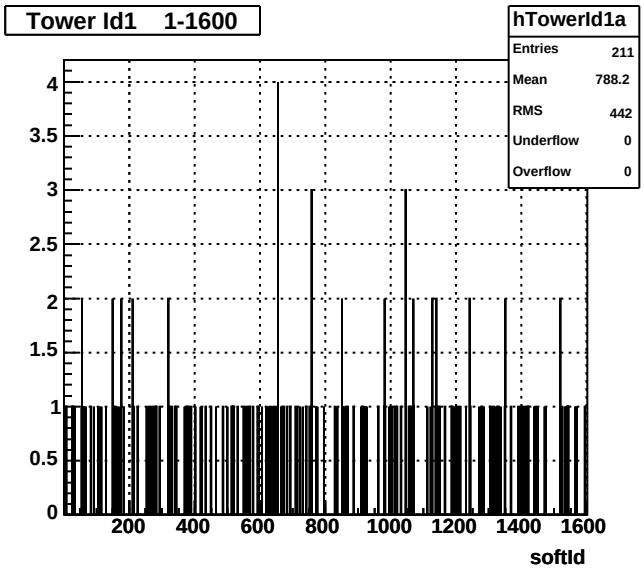

Opening angle
hCosTheta
Entries 578
Mean -0.5431
RMS 0.2844
Underflow 0
Overflow 0
cos θ

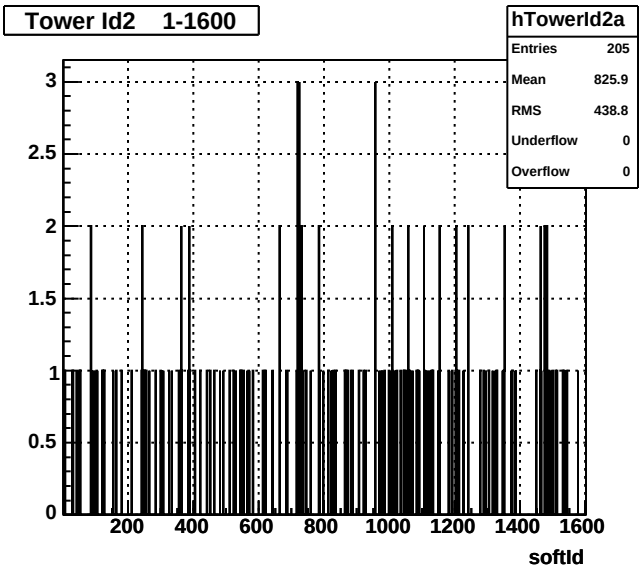

Number of hot towers
number of hot towers
events seen

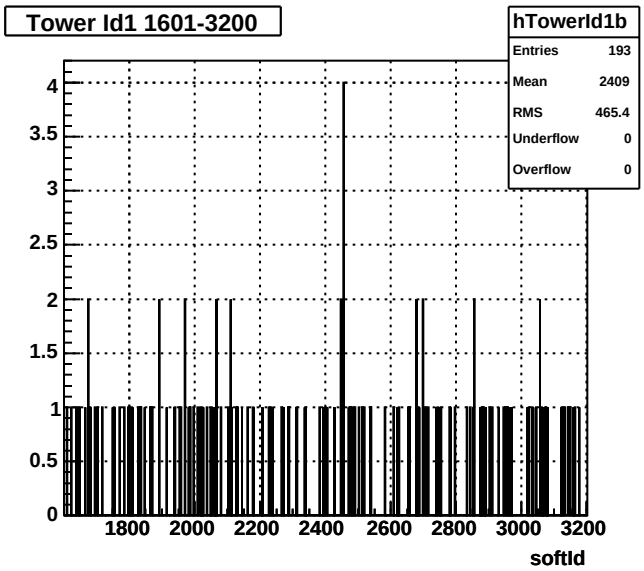

L2 processing time
hTime
Entries 578
Mean 291.3
RMS 60.3
Underflow 0
Overflow 53
time [μs]

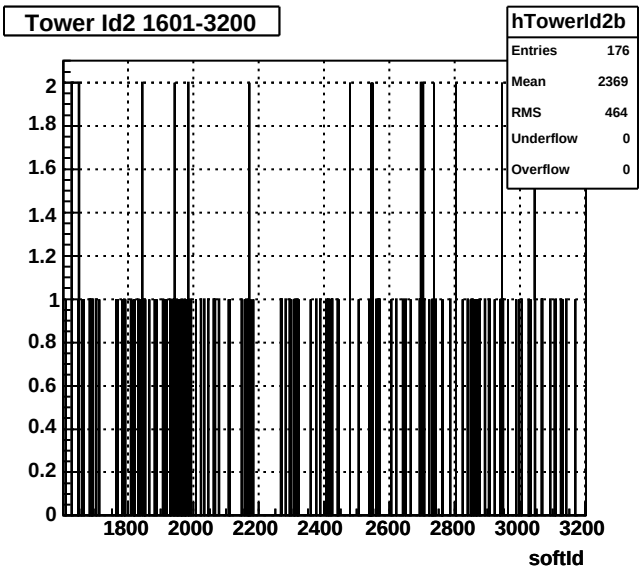

L0-L2 rejection rate
hL0L2RejectionRate
Entries 578
Mean 1.802
RMS 0.08872
Underflow 0
Overflow 0

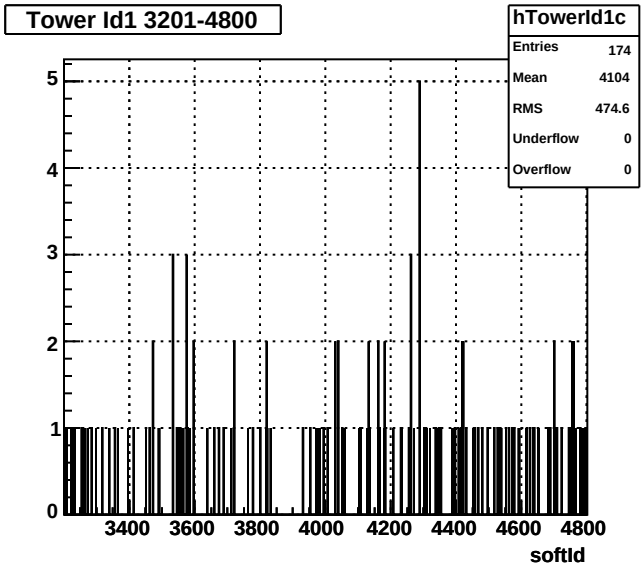

Delta Phi
hDeltaPhi
Entries 578
Mean 2.371
RMS 0.4766
Underflow 0
Overflow 0
Δφ [radians]

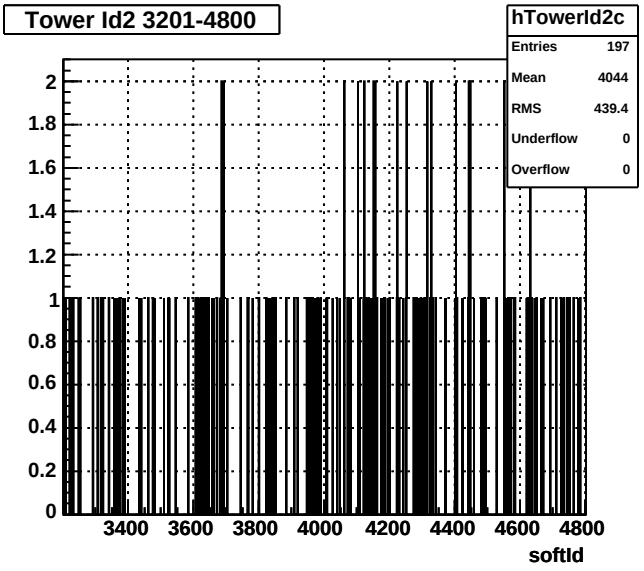

Tower Id1 1-1600
hTowerId1a
Entries 211
Mean 788.2
RMS 442
Underflow 0
Overflow 0
softId

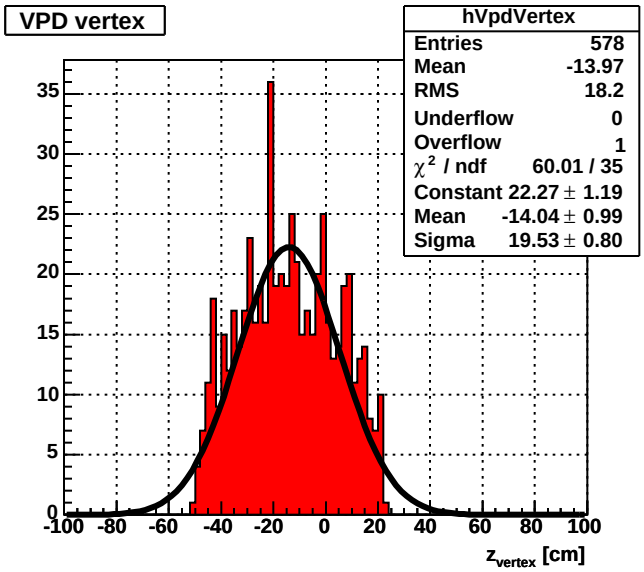

Tower Id2 1-1600
hTowerId2a
Entries 205
Mean 825.9
RMS 438.8
Underflow 0
Overflow 0
softId

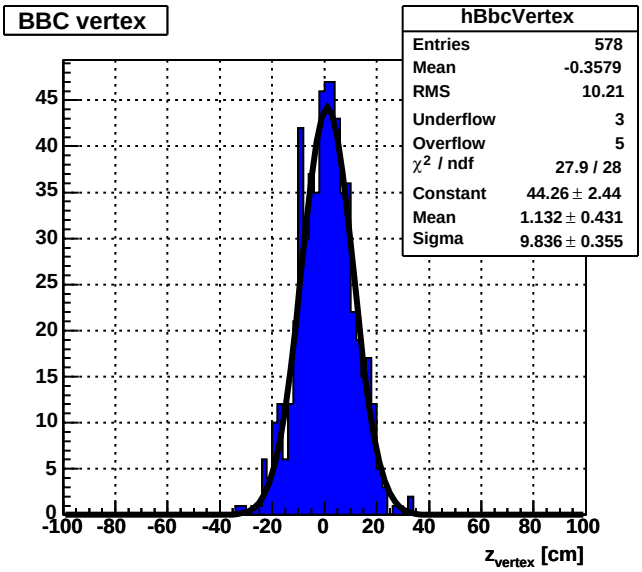

Tower Id1 1601-3200
hTowerId1b
Entries 193
Mean 2409
RMS 465.4
Underflow 0
Overflow 0
softId

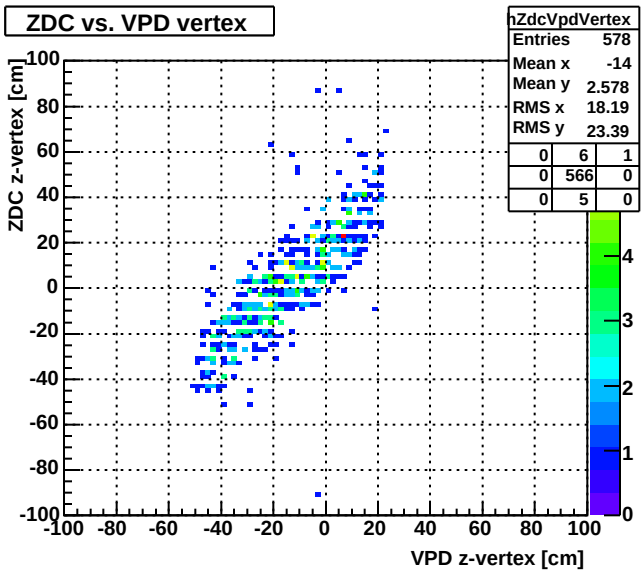

Tower Id2 1601-3200
hTowerId2b
Entries 176
Mean 2369
RMS 464
Underflow 0
Overflow 0
softId

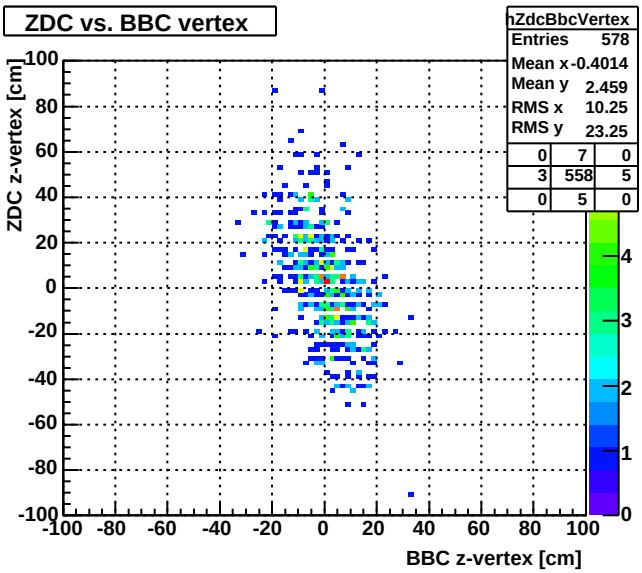

Tower Id1 3201-4800
hTowerId1c
Entries 174
Mean 4104
RMS 474.6
Underflow 0
Overflow 0
softId

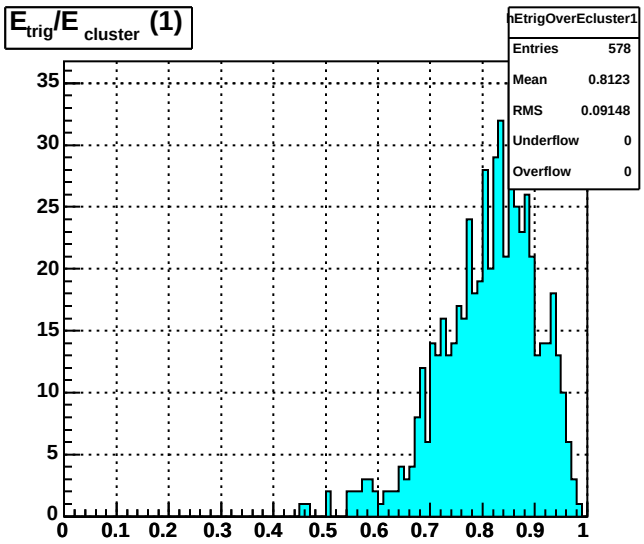

Tower Id2 3201-4800
hTowerId2c
Entries 197
Mean 4044
RMS 439.4
Underflow 0
Overflow 0
softId

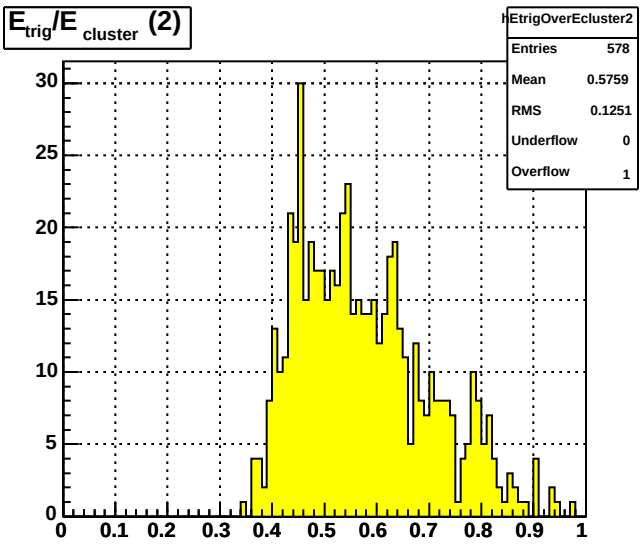

VPD vertex
hVpdVertex
Entries 578
Mean -13.97
RMS 18.2
Underflow 0
Overflow 1
χ² / ndf 60.01 / 35
Constant 22.27 ± 1.19
Mean -14.04 ± 0.99
Sigma 19.53 ± 0.80
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 578
Mean -0.3579
RMS 10.21
Underflow 3
Overflow 5
χ² / ndf 27.9 / 28
Constant 44.26 ± 2.44
Mean 1.132 ± 0.431
Sigma 9.836 ± 0.355
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 578
Mean x -14
Mean y 2.578
RMS x 18.19
RMS y 23.39
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 578
Mean x -0.4014
Mean y 2.459
RMS x 10.25
RMS y 23.25
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 578
Mean 0.8123
RMS 0.09148
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 578
Mean 0.5759
RMS 0.1251
Underflow 0
Overflow 1