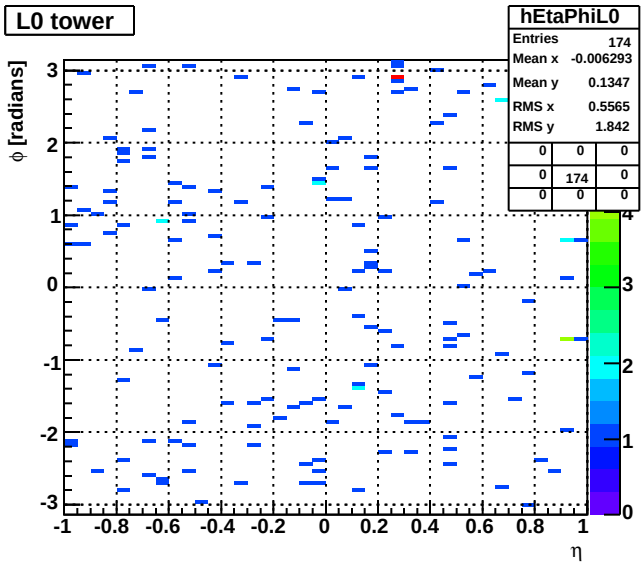
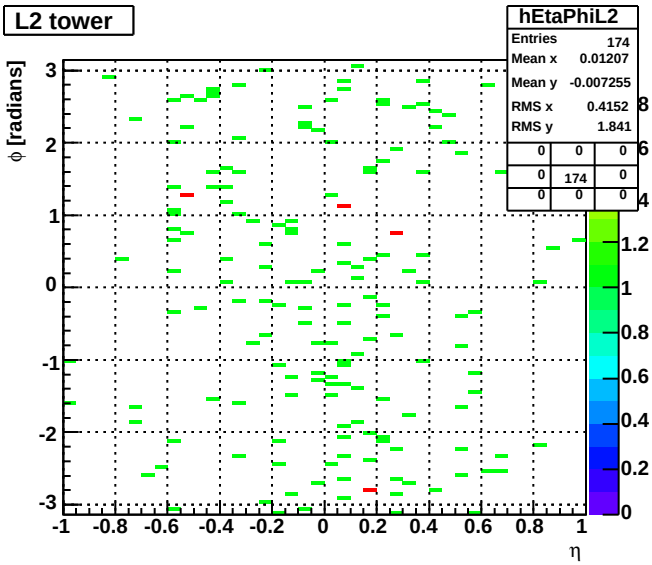
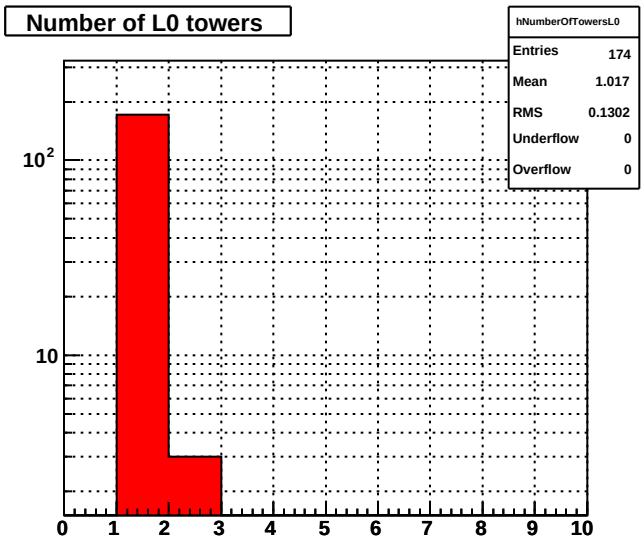
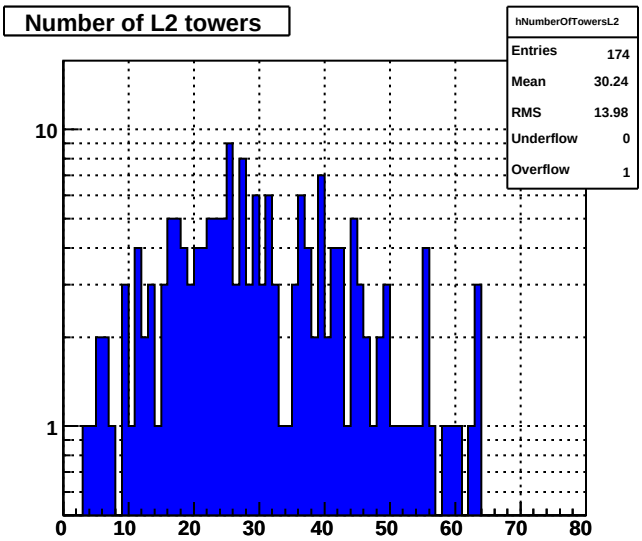
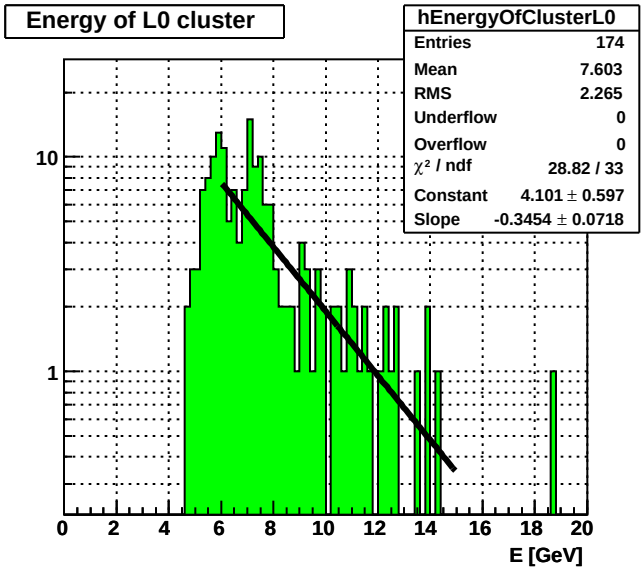
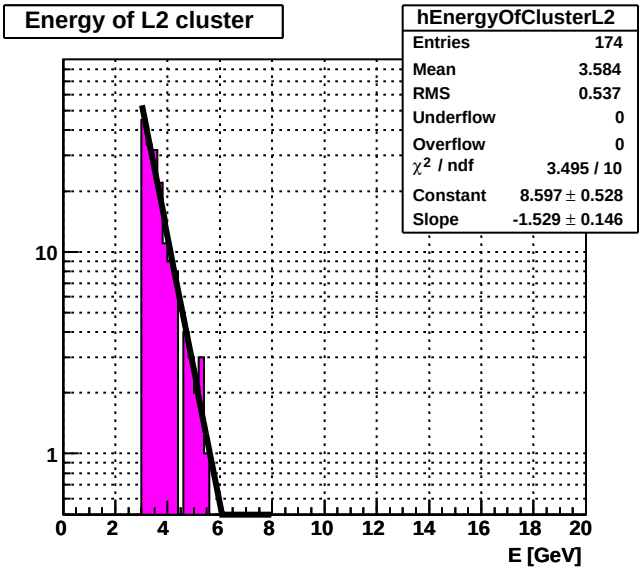

L0 tower
hEtaPhiL0
Entries 174
Mean x -0.006293
Mean y 0.1347
RMS x 0.5565
RMS y 1.842
φ [radians]
η

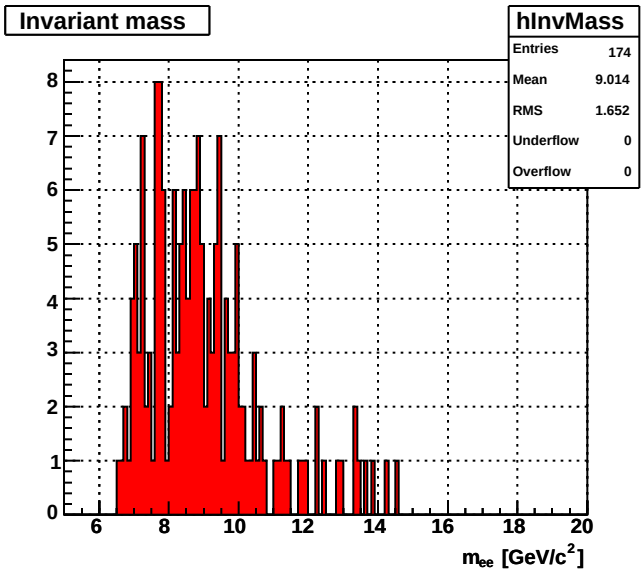

L2 tower
hEtaPhiL2
Entries 174
Mean x 0.01207
Mean y -0.007255
RMS x 0.4152
RMS y 1.841
φ [radians]
η

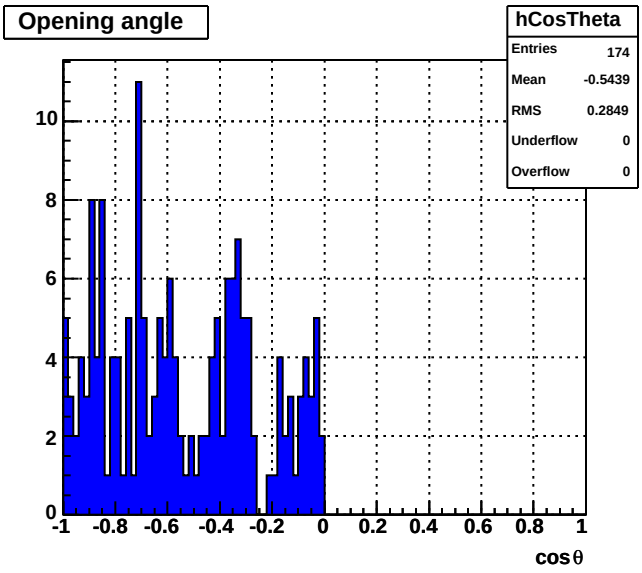

Number of L0 towers
hNumberOfTowersL0
Entries 174
Mean 1.017
RMS 0.1302
Underflow 0
Overflow 0

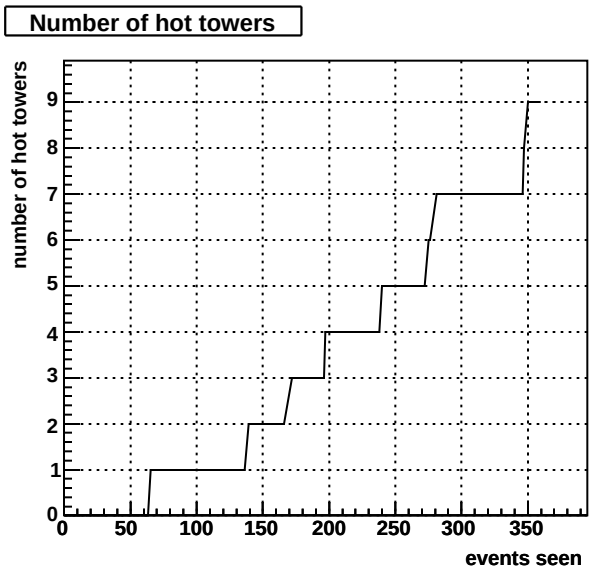

Number of L2 towers
hNumberOfTowersL2
Entries 174
Mean 30.24
RMS 13.98
Underflow 0
Overflow 1

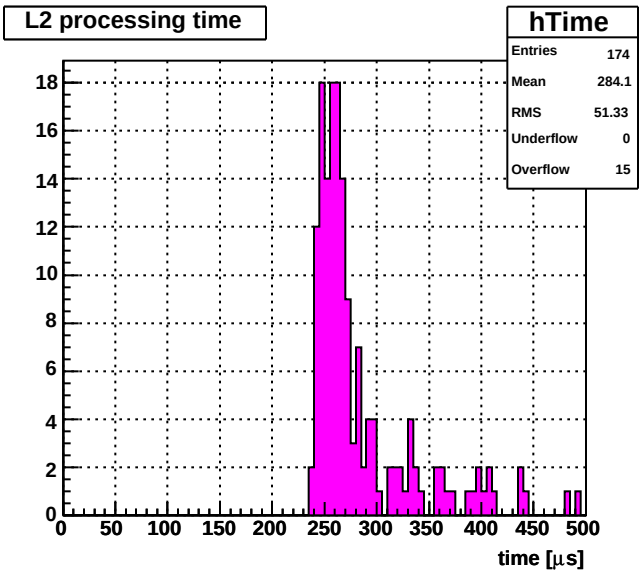

Energy of L0 cluster
hEnergyOfClusterL0
Entries 174
Mean 7.603
RMS 2.265
Underflow 0
Overflow 0
χ² / ndf 28.82 / 33
Constant 4.101 ± 0.597
Slope -0.3454 ± 0.0718
E [GeV]

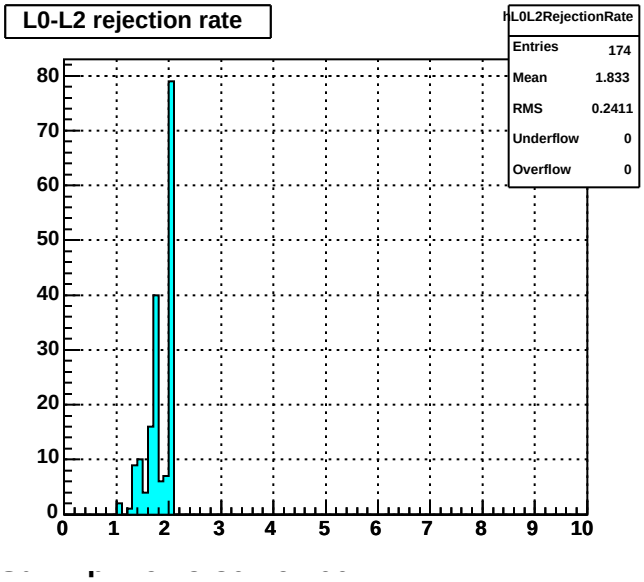

Energy of L2 cluster
hEnergyOfClusterL2
Entries 174
Mean 3.584
RMS 0.537
Underflow 0
Overflow 0
χ² / ndf 3.495 / 10
Constant 8.597 ± 0.528
Slope -1.529 ± 0.146
E [GeV]

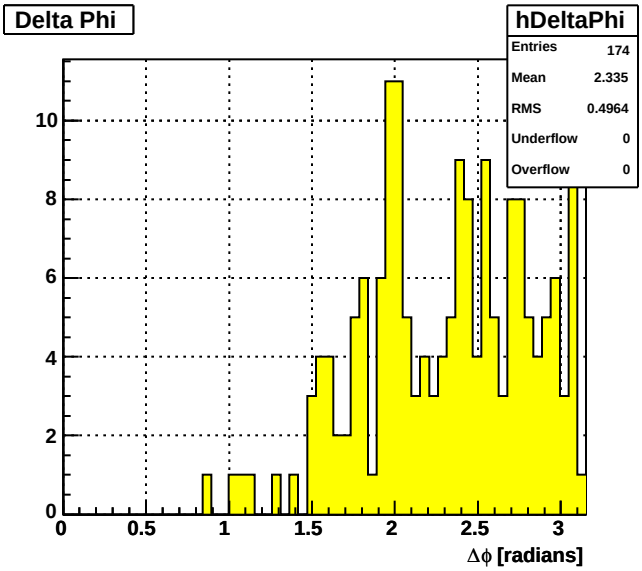

Invariant mass
hInvMass
Entries 174
Mean 9.014
RMS 1.652
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

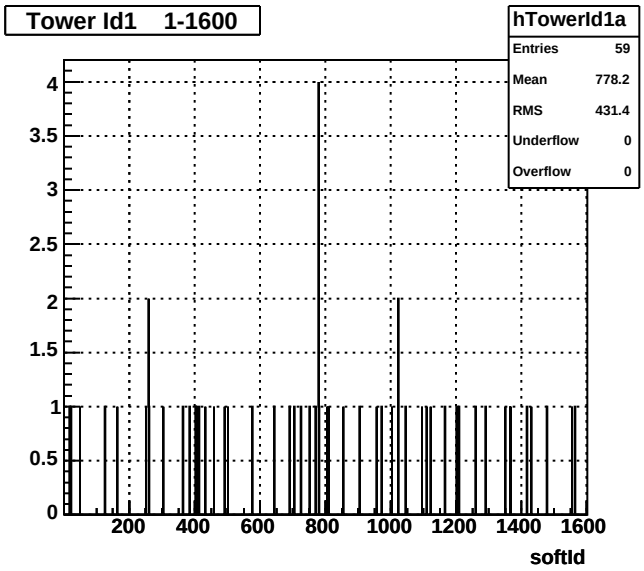

Opening angle
hCosTheta
Entries 174
Mean -0.5439
RMS 0.2849
Underflow 0
Overflow 0
cos θ

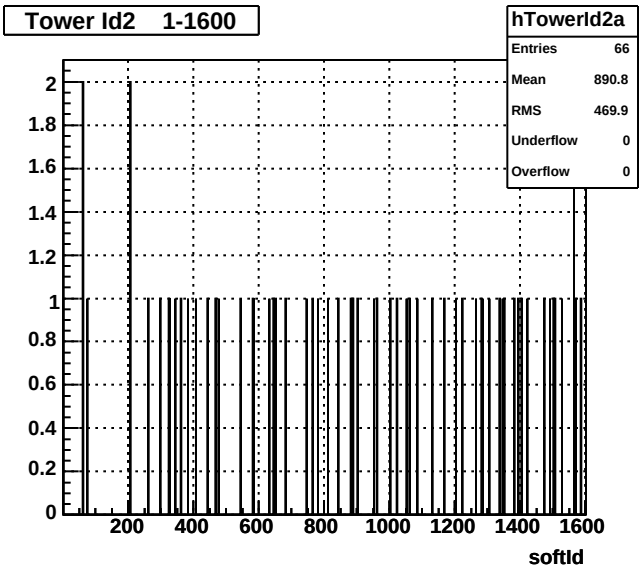

Number of hot towers
number of hot towers
events seen

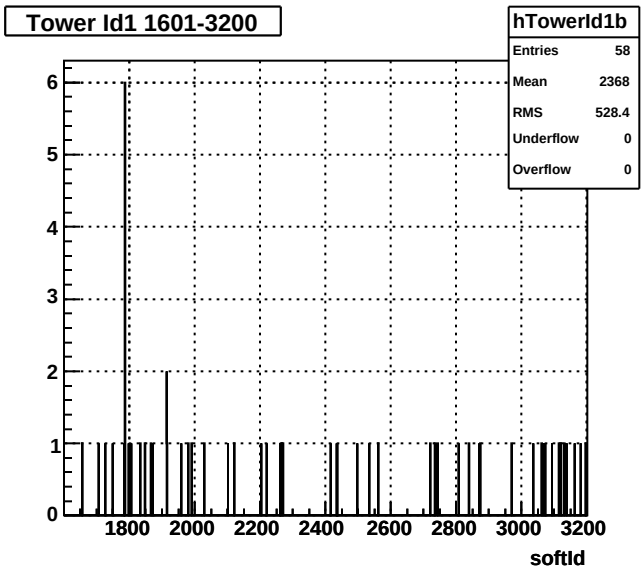

L2 processing time
hTime
Entries 174
Mean 284.1
RMS 51.33
Underflow 0
Overflow 15
time [μs]

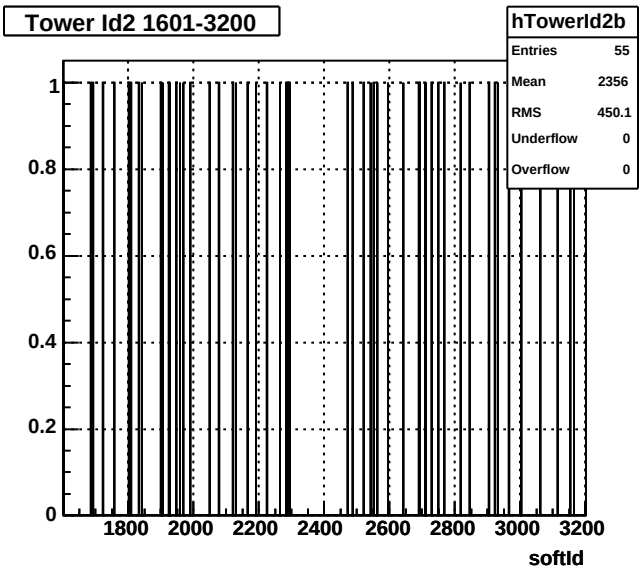

L0-L2 rejection rate
hL0L2RejectionRate
Entries 174
Mean 1.833
RMS 0.2411
Underflow 0
Overflow 0

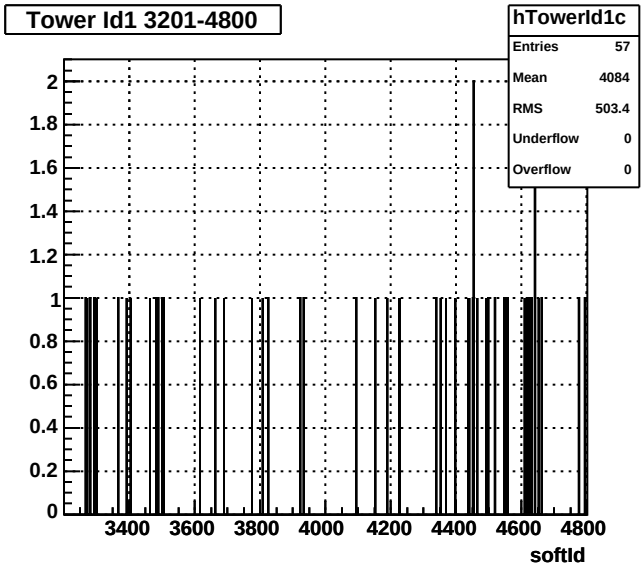

Delta Phi
hDeltaPhi
Entries 174
Mean 2.335
RMS 0.4964
Underflow 0
Overflow 0
Δφ [radians]

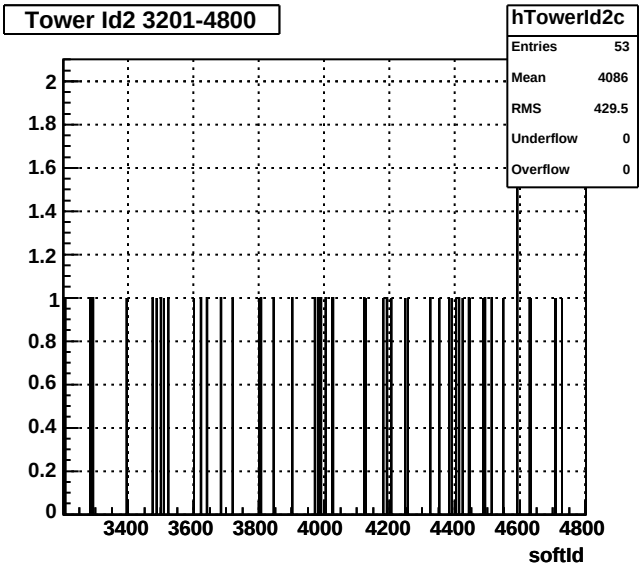

Tower Id1 1-1600
hTowerId1a
Entries 59
Mean 778.2
RMS 431.4
Underflow 0
Overflow 0
softId

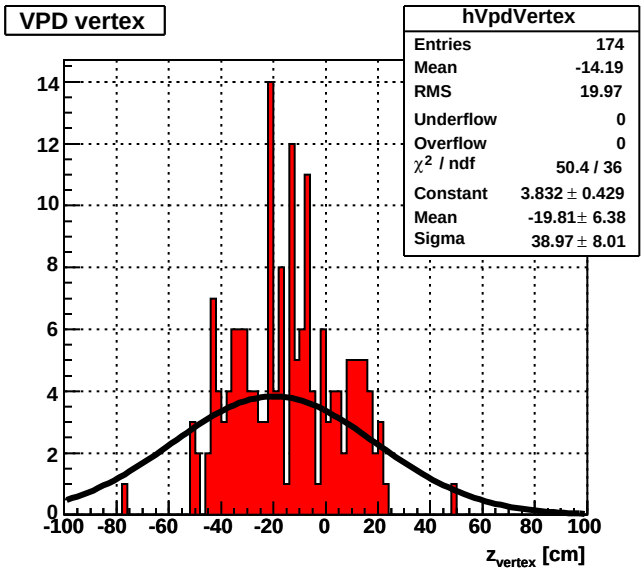

Tower Id2 1-1600
hTowerId2a
Entries 66
Mean 890.8
RMS 469.9
Underflow 0
Overflow 0
softId

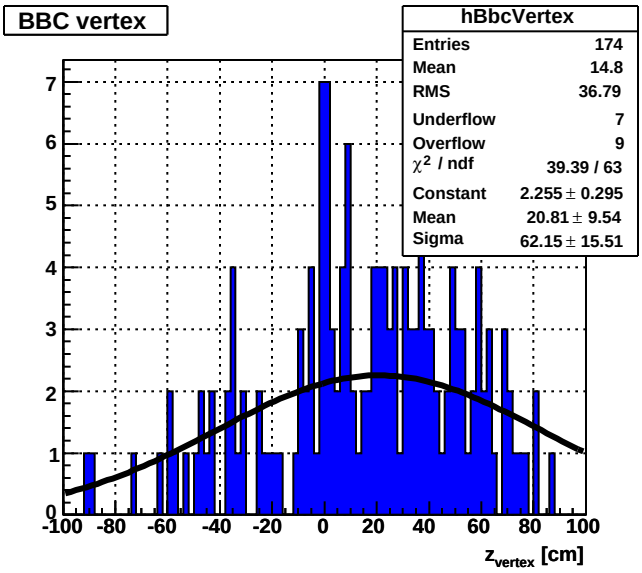

Tower Id1 1601-3200
hTowerId1b
Entries 58
Mean 2368
RMS 528.4
Underflow 0
Overflow 0
softId

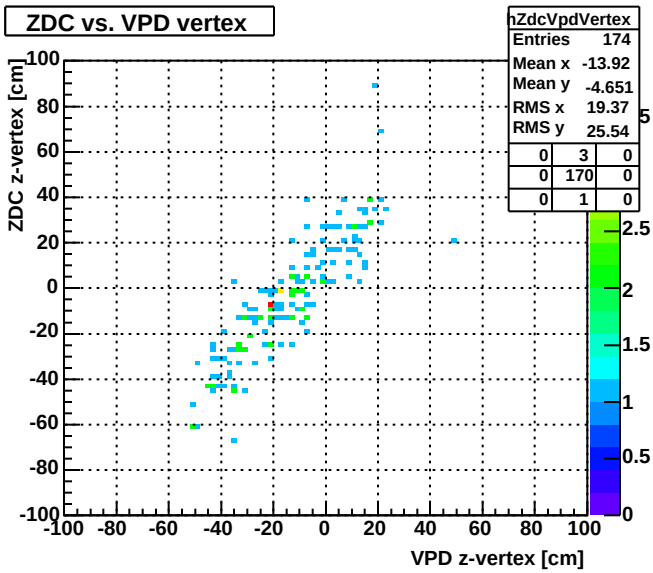

Tower Id2 1601-3200
hTowerId2b
Entries 55
Mean 2356
RMS 450.1
Underflow 0
Overflow 0
softId

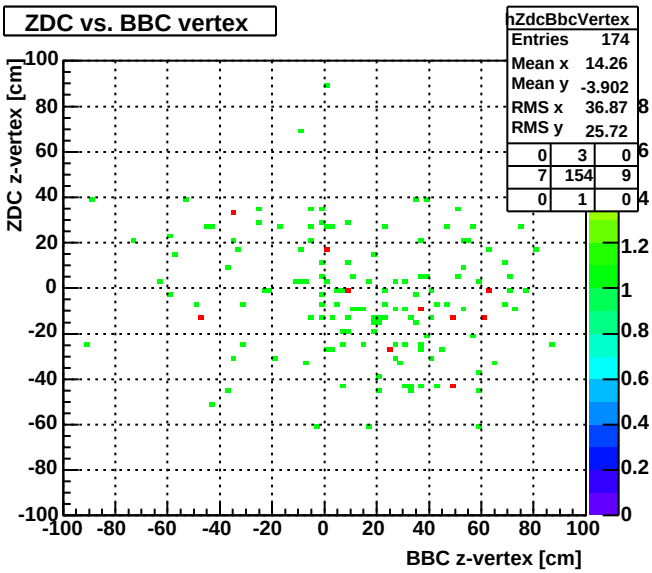

Tower Id1 3201-4800
hTowerId1c
Entries 57
Mean 4084
RMS 503.4
Underflow 0
Overflow 0
softId

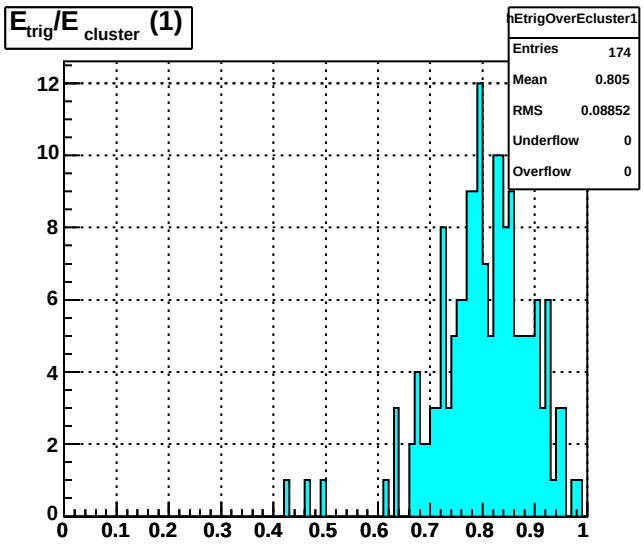

Tower Id2 3201-4800
hTowerId2c
Entries 53
Mean 4086
RMS 429.5
Underflow 0
Overflow 0
softId

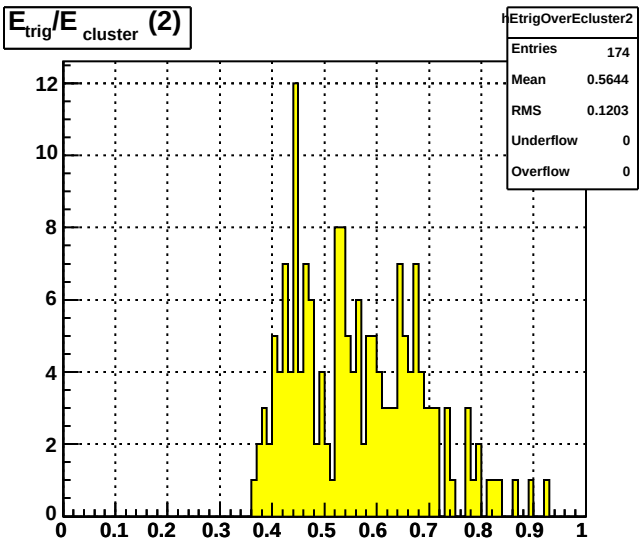

VPD vertex
hVpdVertex
Entries 174
Mean -14.19
RMS 19.97
Underflow 0
Overflow 0
χ² / ndf 50.4 / 36
Constant 3.832 ± 0.429
Mean -19.81 ± 6.38
Sigma 38.97 ± 8.01
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 174
Mean 14.8
RMS 36.79
Underflow 7
Overflow 9
χ² / ndf 39.39 / 63
Constant 2.255 ± 0.295
Mean 20.81 ± 9.54
Sigma 62.15 ± 15.51
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 174
Mean x -13.92
Mean y -4.651
RMS x 19.37
RMS y 25.54
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 174
Mean x 14.26
Mean y -3.902
RMS x 36.87
RMS y 25.72
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 174
Mean 0.805
RMS 0.08852
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 174
Mean 0.5644
RMS 0.1203
Underflow 0
Overflow 0