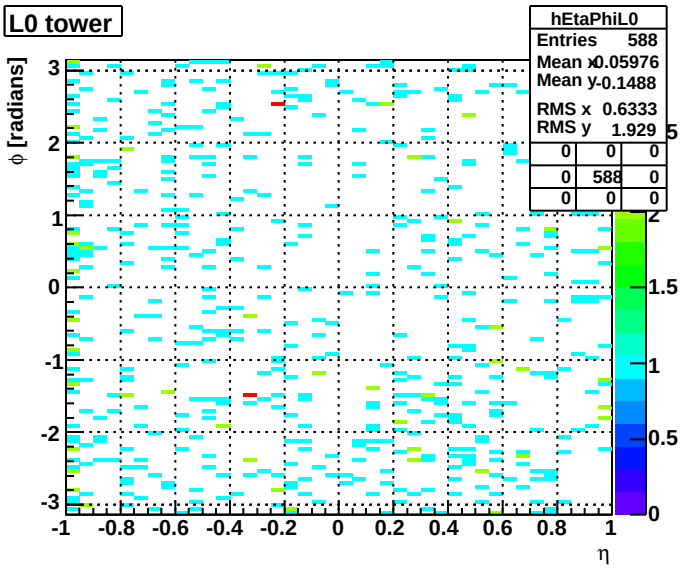
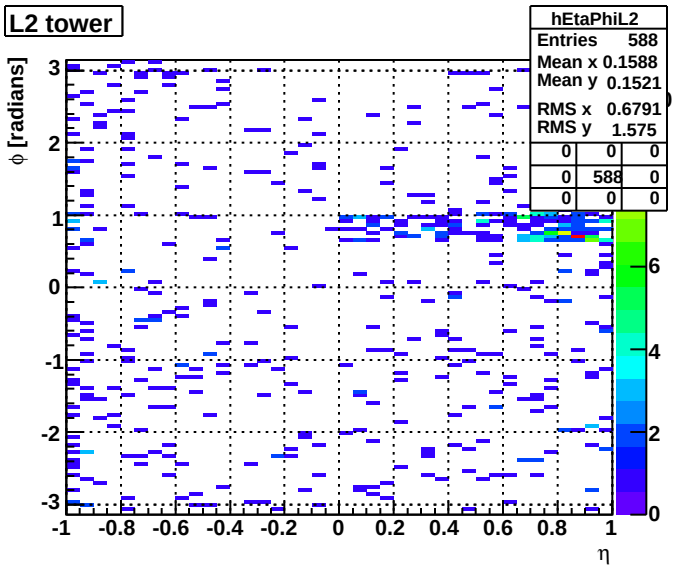
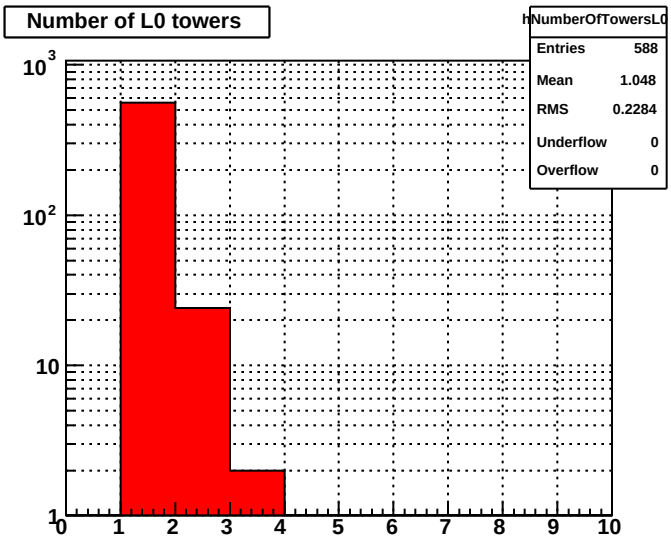
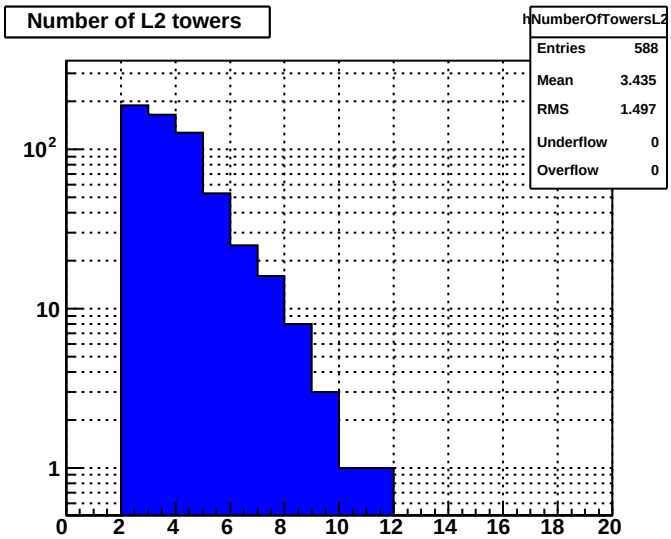
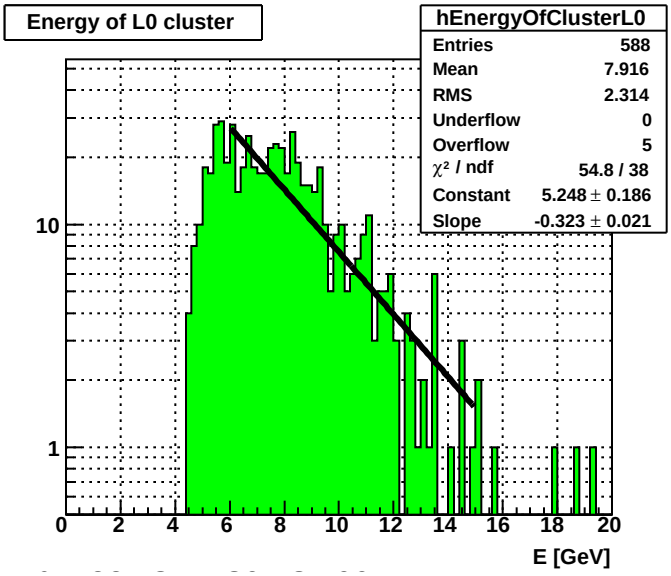
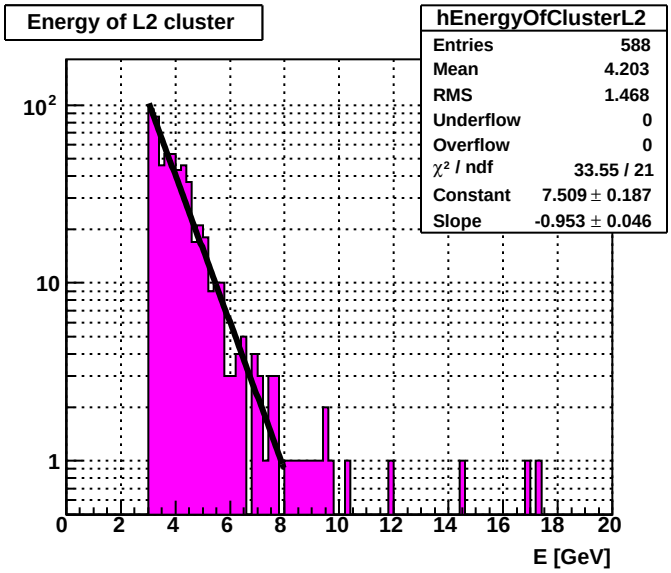

L0 tower
hEtaPhiL0
Entries 588
Mean x 0.05976
Mean y -0.1488
RMS x 0.6333
RMS y 1.929
φ [radians]
η

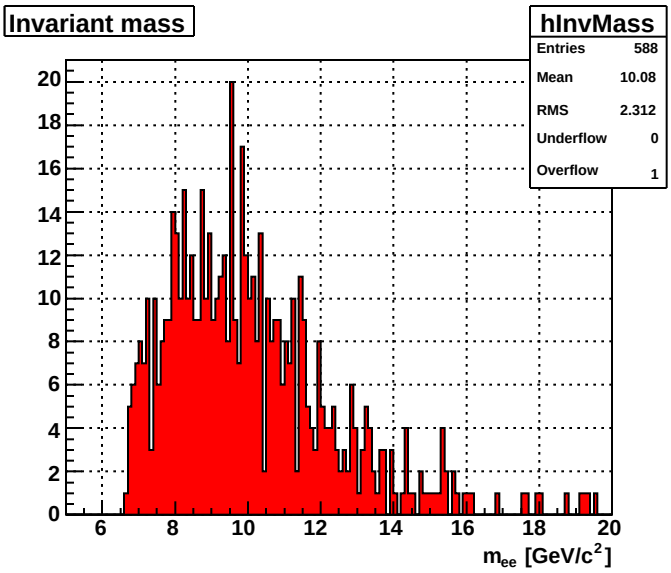

L2 tower
hEtaPhiL2
Entries 588
Mean x 0.1588
Mean y 0.1521
RMS x 0.6791
RMS y 1.575
φ [radians]
η

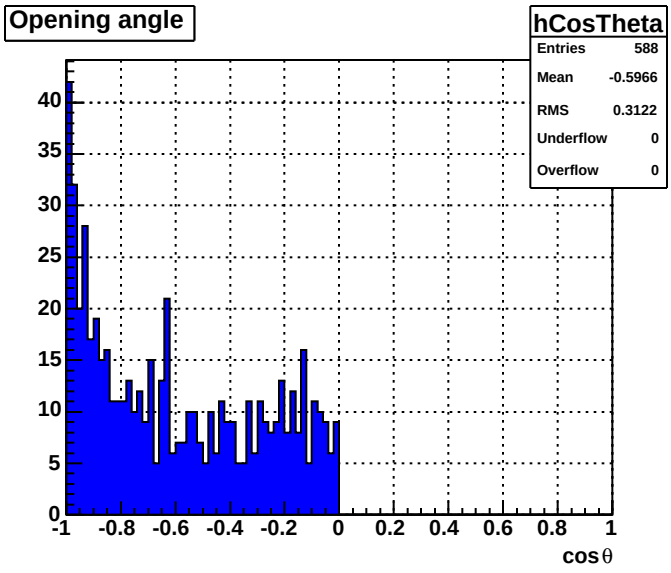

Number of L0 towers
hNumberOfTowersL0
Entries 588
Mean 1.048
RMS 0.2284
Underflow 0
Overflow 0

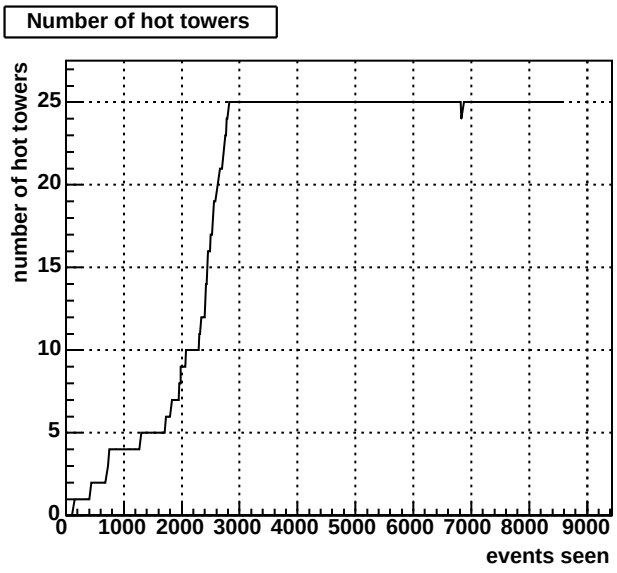

Number of L2 towers
hNumberOfTowersL2
Entries 588
Mean 3.435
RMS 1.497
Underflow 0
Overflow 0

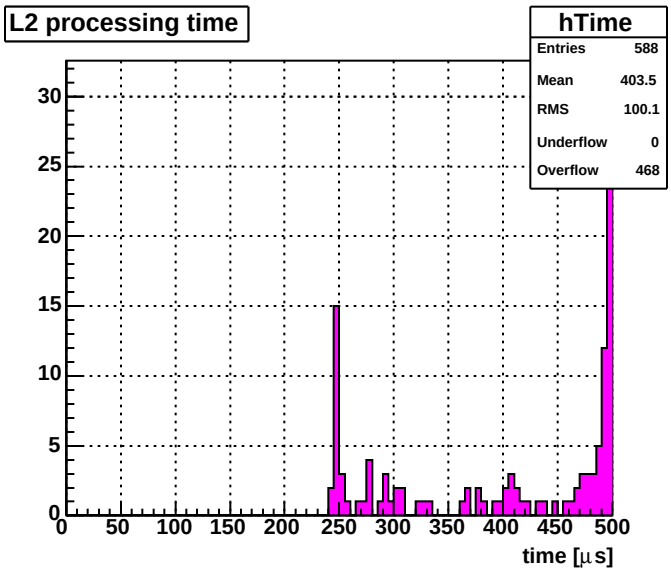

Energy of L0 cluster
hEnergyOfClusterL0
Entries 588
Mean 7.916
RMS 2.314
Underflow 0
Overflow 5
χ² / ndf 54.8 / 38
Constant 5.248 ± 0.186
Slope -0.323 ± 0.021
E [GeV]

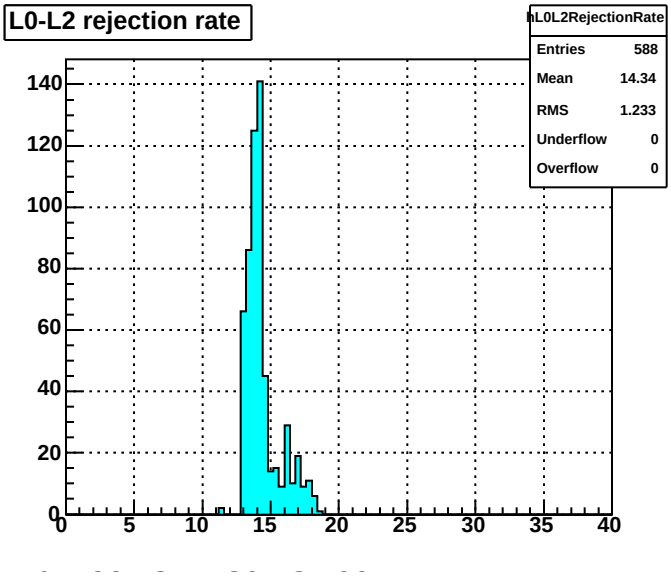

Energy of L2 cluster
hEnergyOfClusterL2
Entries 588
Mean 4.203
RMS 1.468
Underflow 0
Overflow 0
χ² / ndf 33.55 / 21
Constant 7.509 ± 0.187
Slope -0.953 ± 0.046
E [GeV]

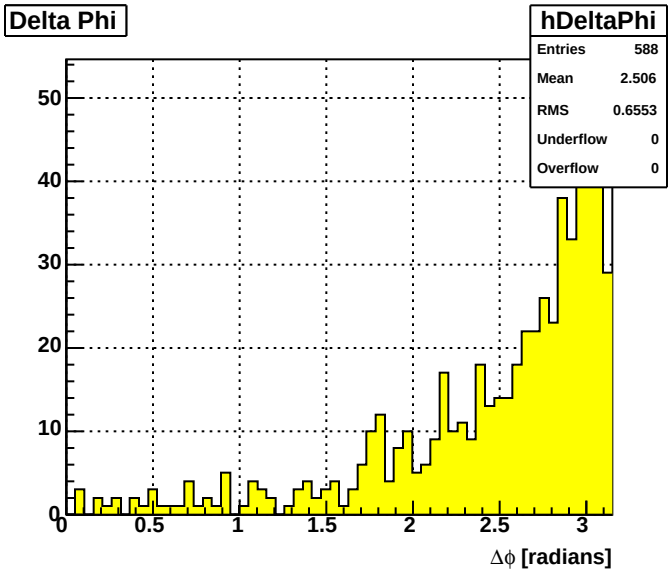

Invariant mass
hInvMass
Entries 588
Mean 10.08
RMS 2.312
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

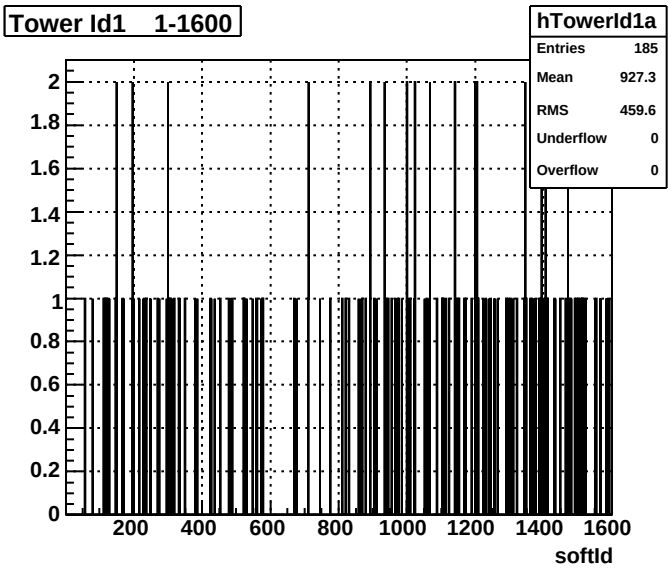

Opening angle
hCosTheta
Entries 588
Mean -0.5966
RMS 0.3122
Underflow 0
Overflow 0
cos θ

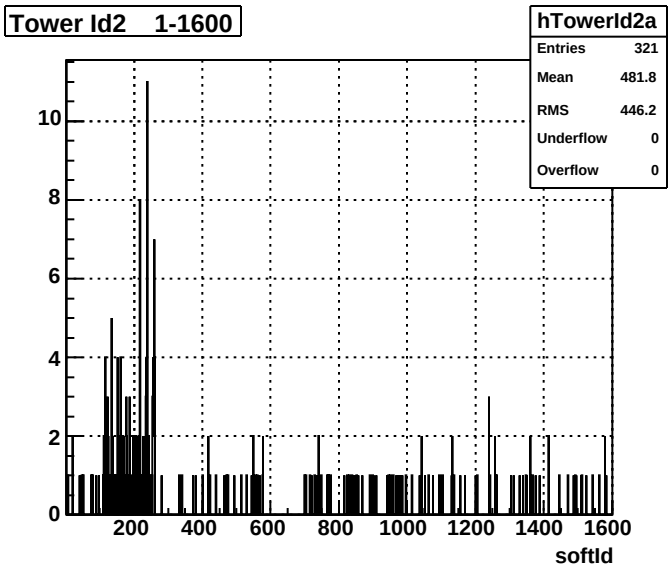

Number of hot towers
number of hot towers
events seen

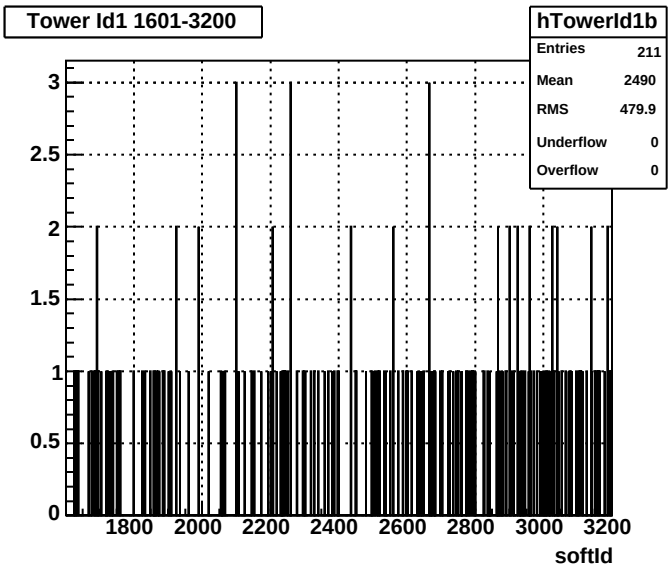

L2 processing time
hTime
Entries 588
Mean 403.5
RMS 100.1
Underflow 0
Overflow 468
time [μs]

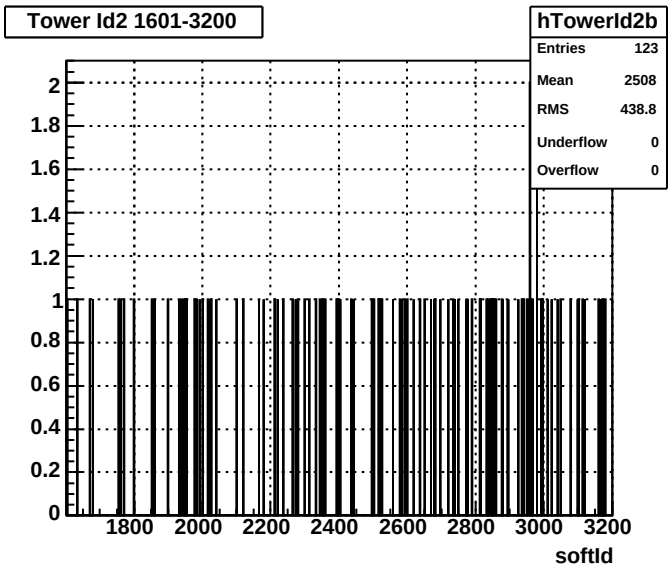

L0-L2 rejection rate
hL0L2RejectionRate
Entries 588
Mean 14.34
RMS 1.233
Underflow 0
Overflow 0

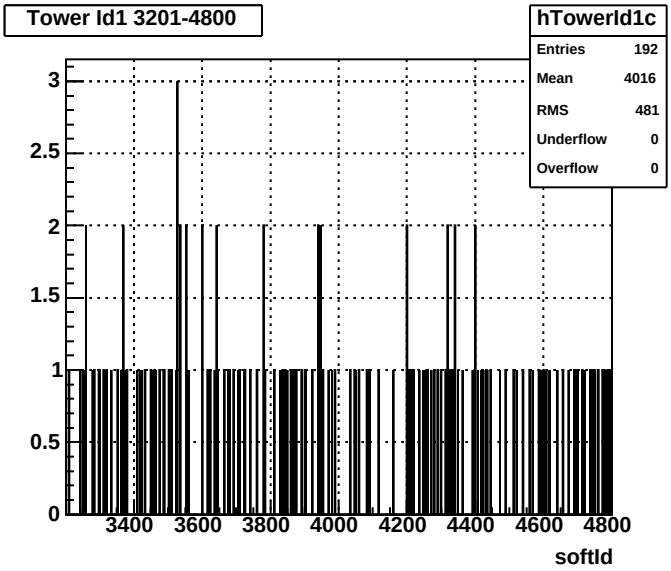

Delta Phi
hDeltaPhi
Entries 588
Mean 2.506
RMS 0.6553
Underflow 0
Overflow 0
Δφ [radians]

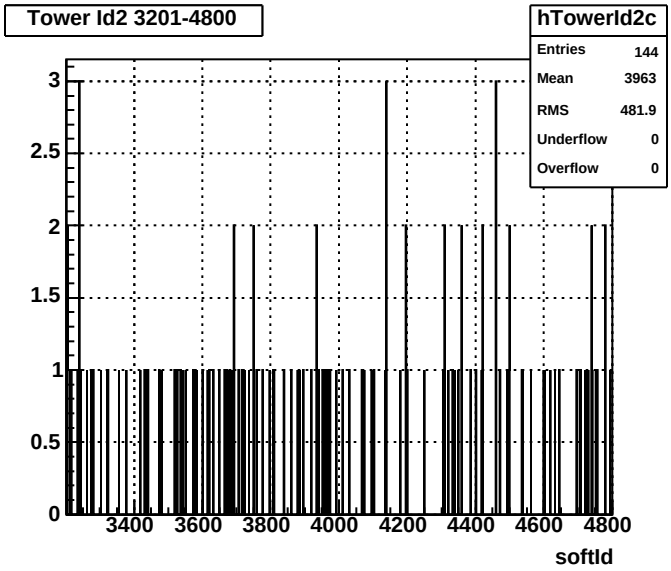

Tower Id1 1-1600
hTowerId1a
Entries 185
Mean 927.3
RMS 459.6
Underflow 0
Overflow 0
softId

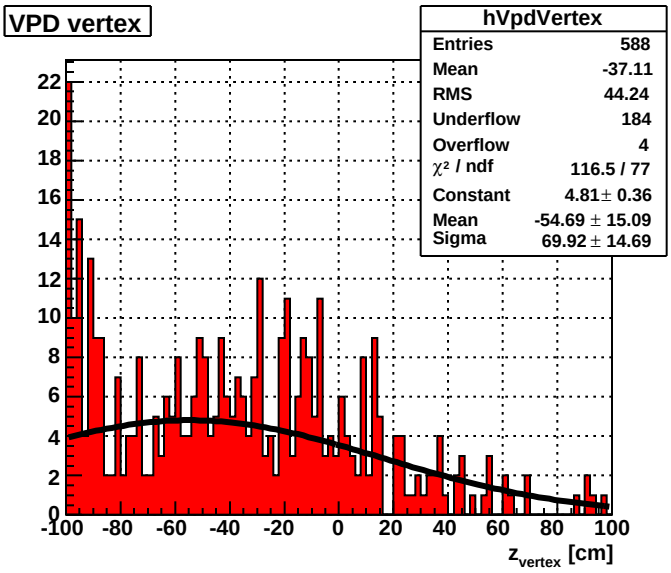

Tower Id2 1-1600
hTowerId2a
Entries 321
Mean 481.8
RMS 446.2
Underflow 0
Overflow 0
softId

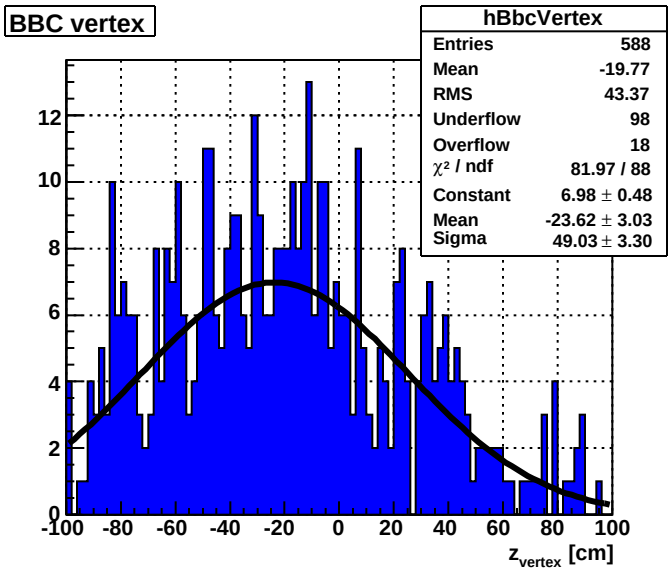

Tower Id1 1601-3200
hTowerId1b
Entries 211
Mean 2490
RMS 479.9
Underflow 0
Overflow 0
softId

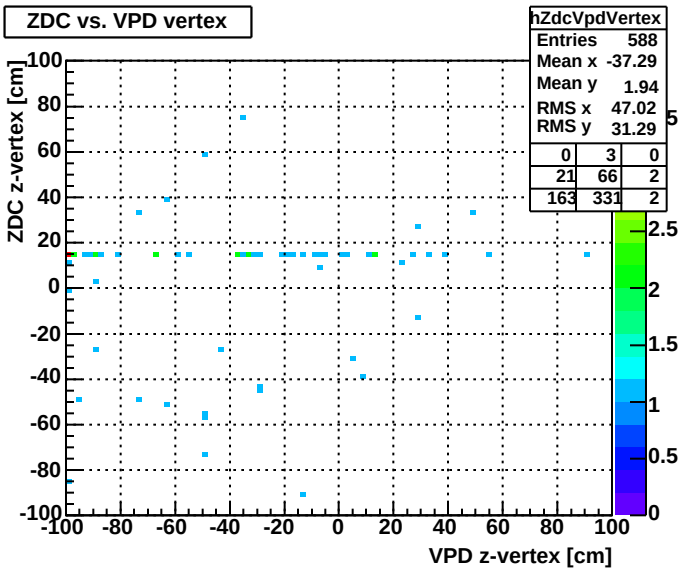

Tower Id2 1601-3200
hTowerId2b
Entries 123
Mean 2508
RMS 438.8
Underflow 0
Overflow 0
softId

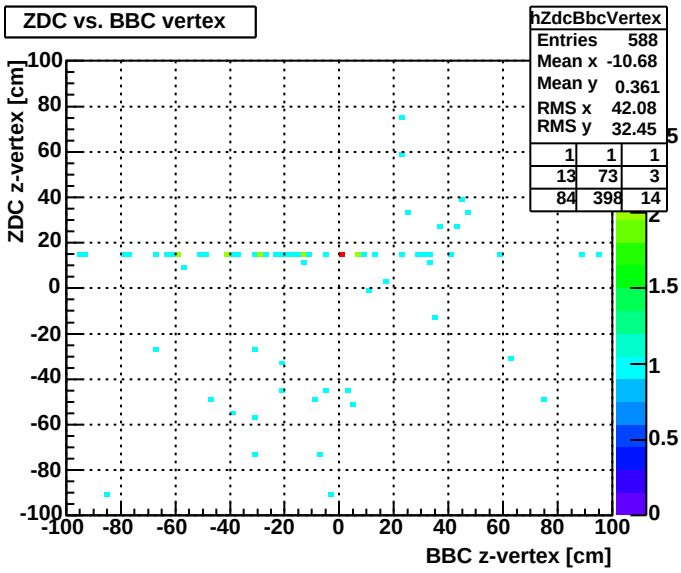

Tower Id1 3201-4800
hTowerId1c
Entries 192
Mean 4016
RMS 481
Underflow 0
Overflow 0
softId

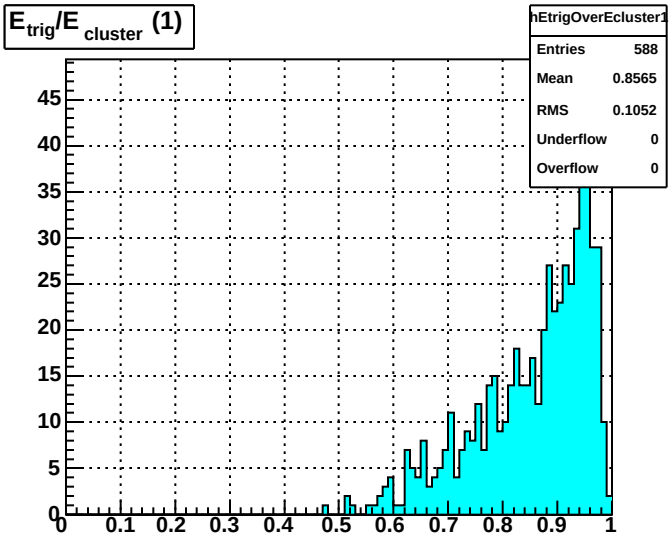

Tower Id2 3201-4800
hTowerId2c
Entries 144
Mean 3963
RMS 481.9
Underflow 0
Overflow 0
softId

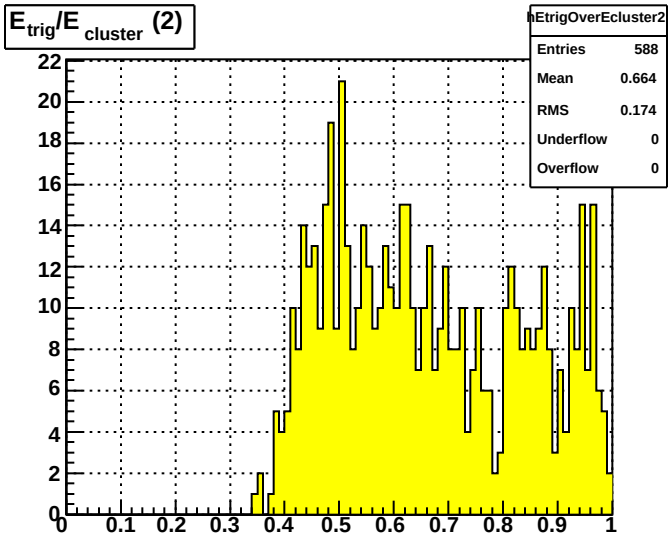

VPD vertex
hVpdVertex
Entries 588
Mean -37.11
RMS 44.24
Underflow 184
Overflow 4
χ² / ndf 116.5 / 77
Constant 4.81 ± 0.36
Mean -54.69 ± 15.09
Sigma 69.92 ± 14.69
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 588
Mean -19.77
RMS 43.37
Underflow 98
Overflow 18
χ² / ndf 81.97 / 88
Constant 6.98 ± 0.48
Mean -23.62 ± 3.03
Sigma 49.03 ± 3.30
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 588
Mean x -37.29
Mean y 1.94
RMS x 47.02
RMS y 31.29
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 588
Mean x -10.68
Mean y 0.361
RMS x 42.08
RMS y 32.45
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 588
Mean 0.8565
RMS 0.1052
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 588
Mean 0.664
RMS 0.174
Underflow 0
Overflow 0