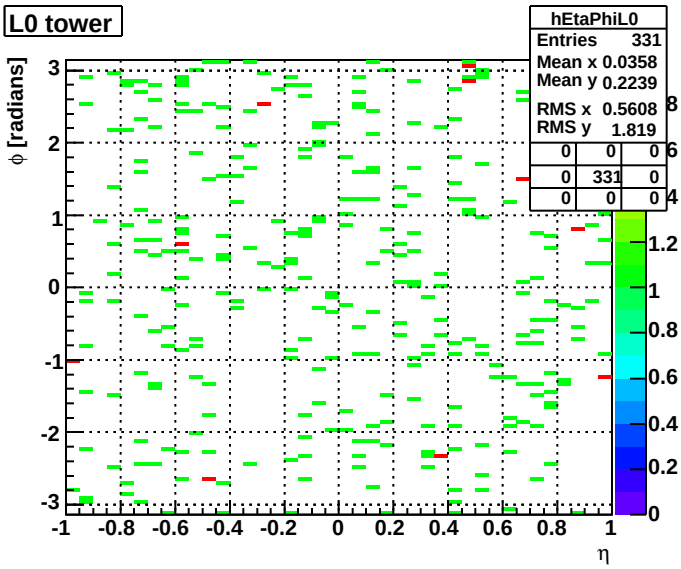
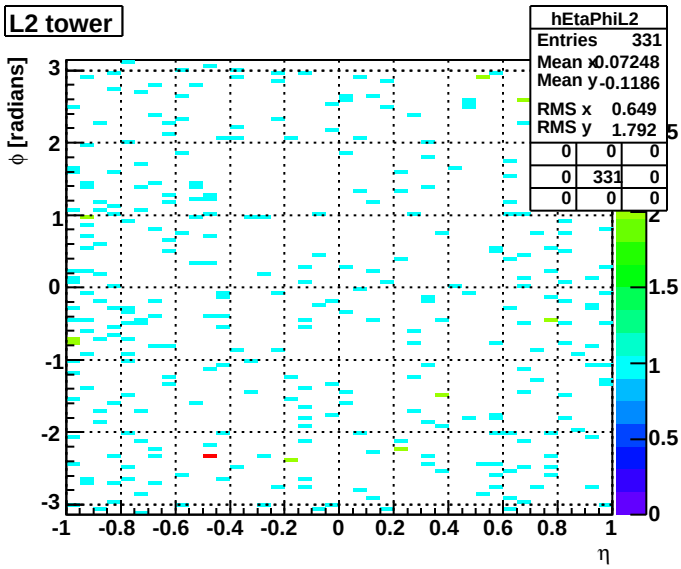
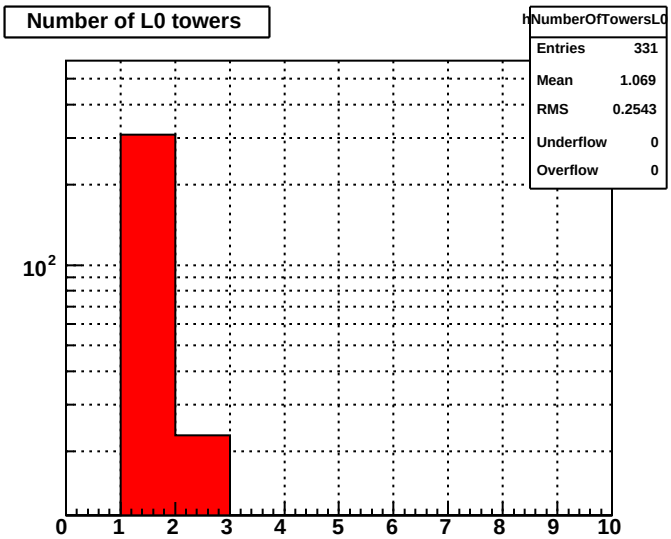
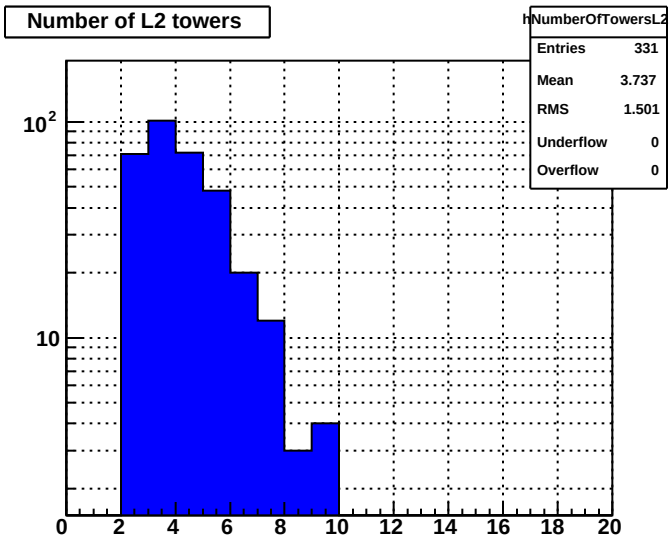
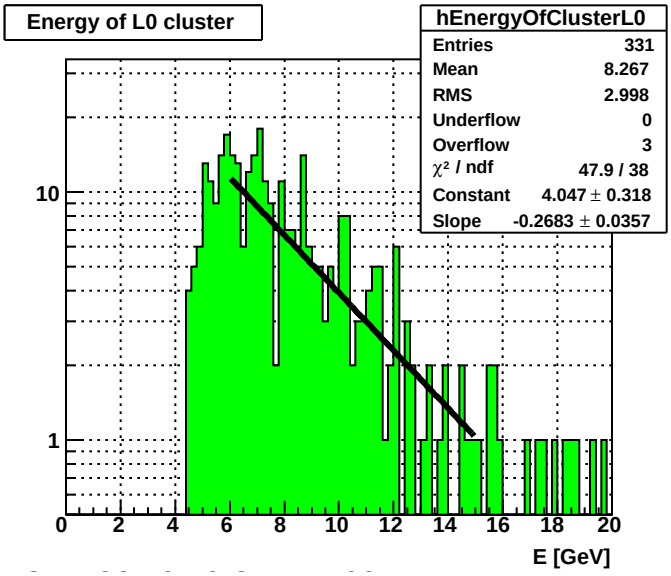
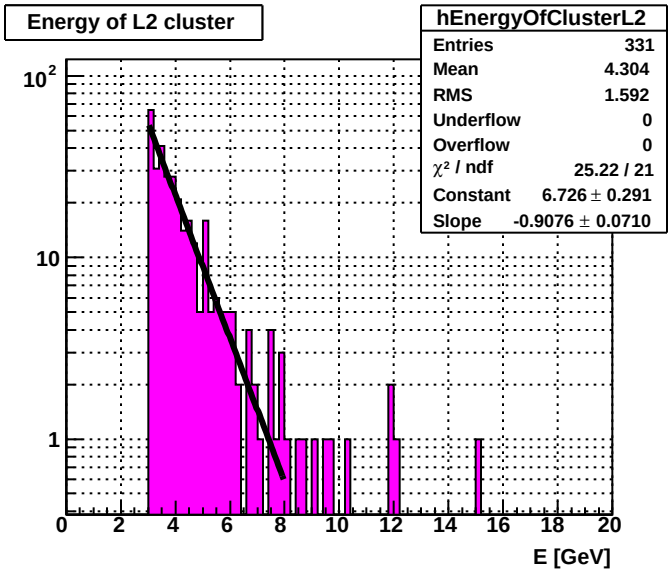

L0 tower
hEtaPhiL0
Entries 331
Mean x 0.0358
Mean y 0.2239
RMS x 0.5608
RMS y 1.819
φ [radians]
η

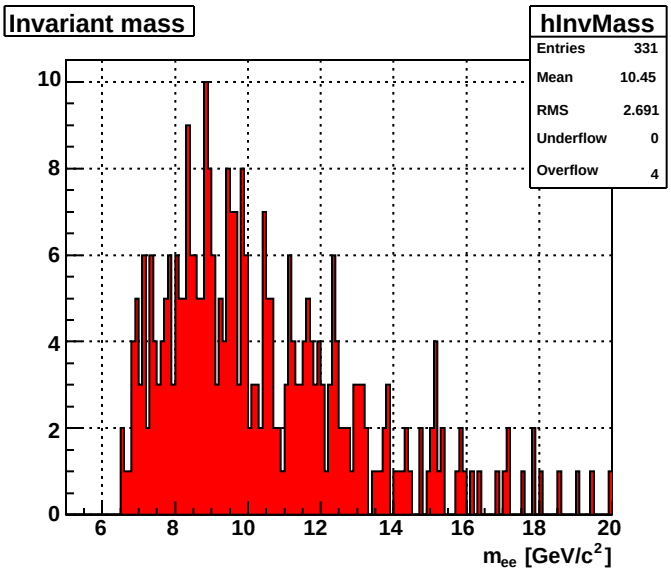

L2 tower
hEtaPhiL2
Entries 331
Mean x 0.07248
Mean y -0.1186
RMS x 0.649
RMS y 1.792
φ [radians]
η

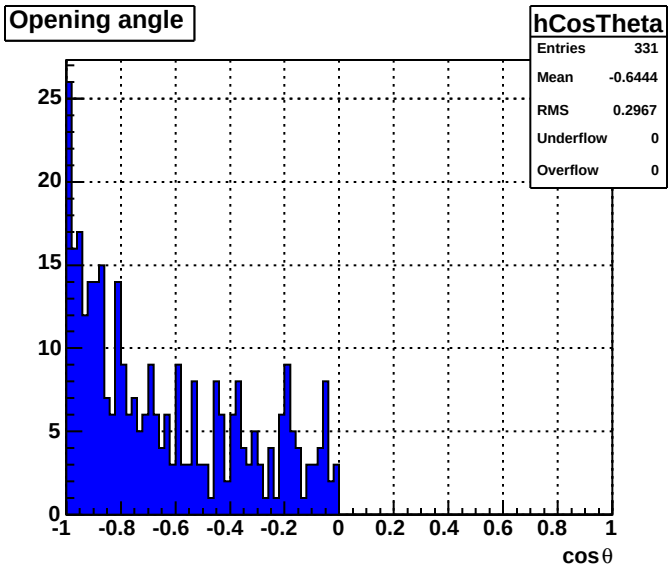

Number of L0 towers
hNumberOfTowersL0
Entries 331
Mean 1.069
RMS 0.2543
Underflow 0
Overflow 0

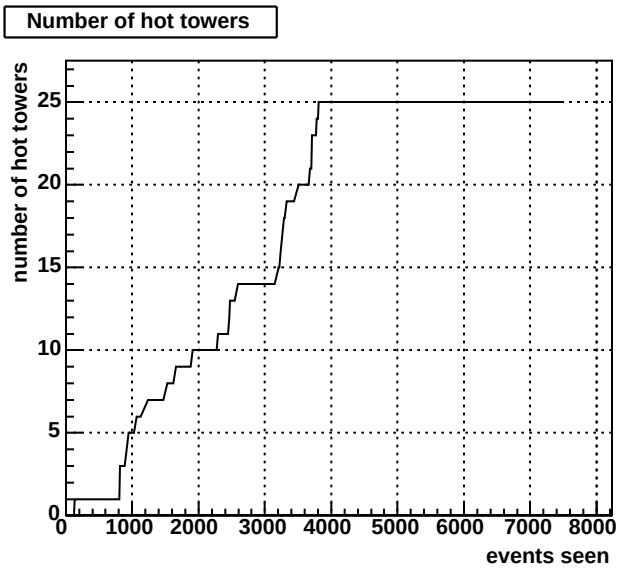

Number of L2 towers
hNumberOfTowersL2
Entries 331
Mean 3.737
RMS 1.501
Underflow 0
Overflow 0

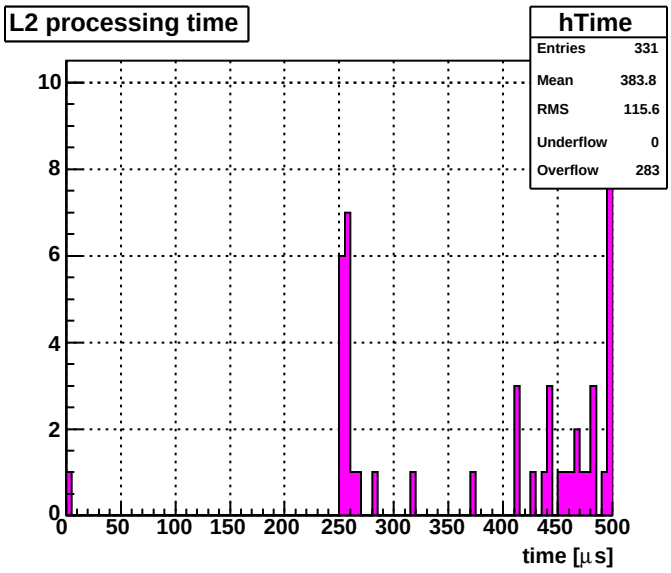

Energy of L0 cluster
hEnergyOfClusterL0
Entries 331
Mean 8.267
RMS 2.998
Underflow 0
Overflow 3
χ² / ndf 47.9 / 38
Constant 4.047 ± 0.318
Slope -0.2683 ± 0.0357
E [GeV]

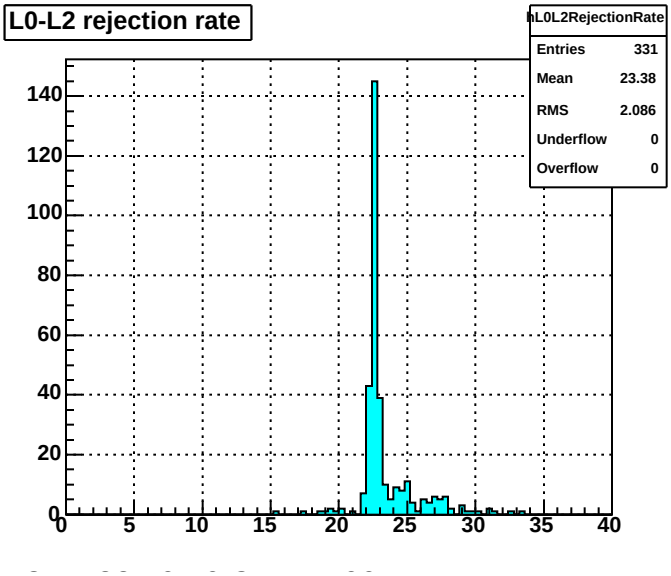

Energy of L2 cluster
hEnergyOfClusterL2
Entries 331
Mean 4.304
RMS 1.592
Underflow 0
Overflow 0
χ² / ndf 25.22 / 21
Constant 6.726 ± 0.291
Slope -0.9076 ± 0.0710
E [GeV]

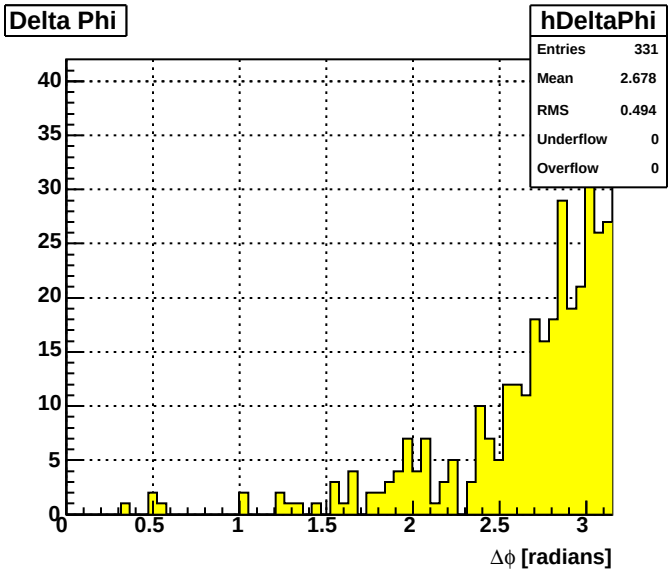

Invariant mass
hInvMass
Entries 331
Mean 10.45
RMS 2.691
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

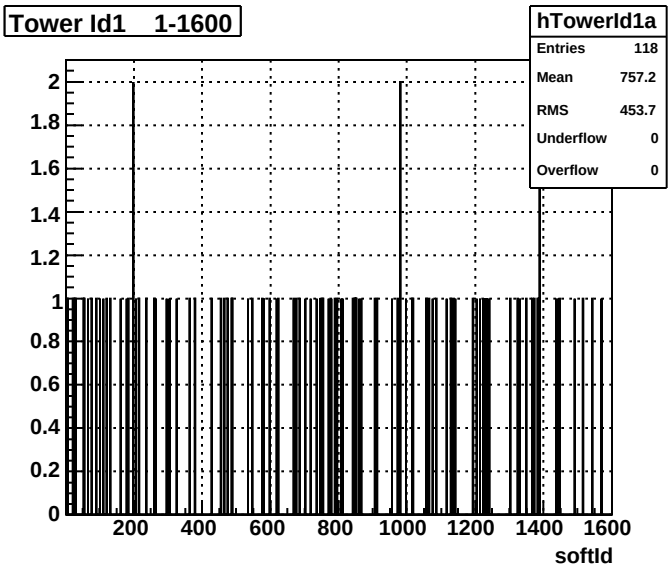

Opening angle
hCosTheta
Entries 331
Mean -0.6444
RMS 0.2967
Underflow 0
Overflow 0
cos θ

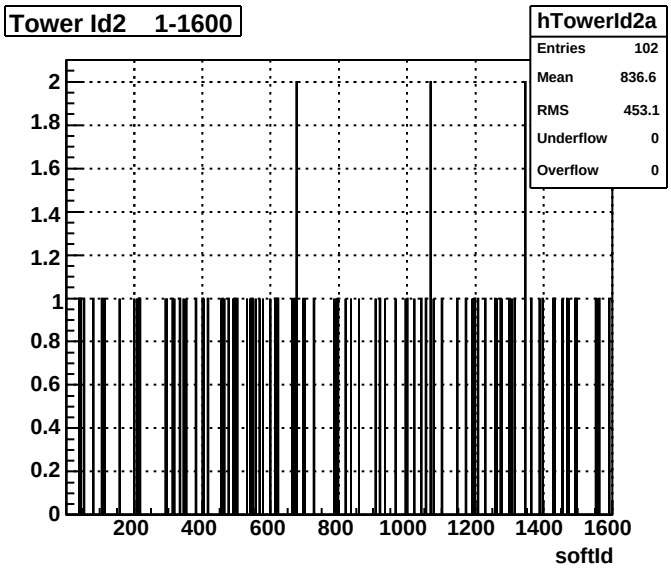

Number of hot towers
number of hot towers
events seen

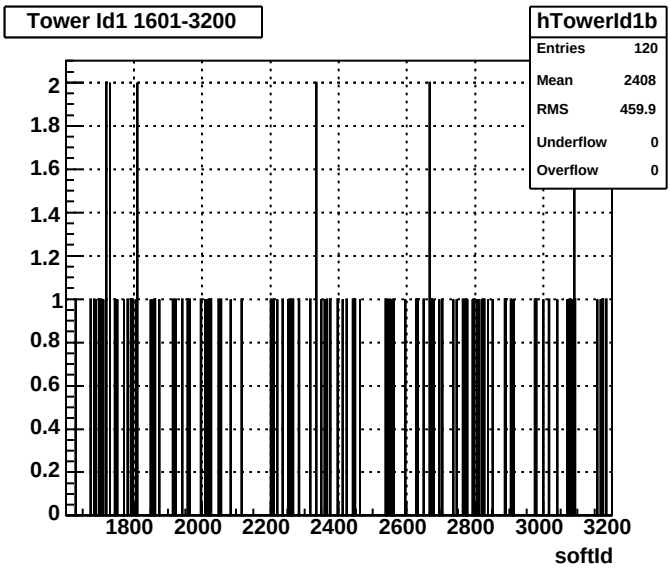

L2 processing time
hTime
Entries 331
Mean 383.8
RMS 115.6
Underflow 0
Overflow 283
time [μs]

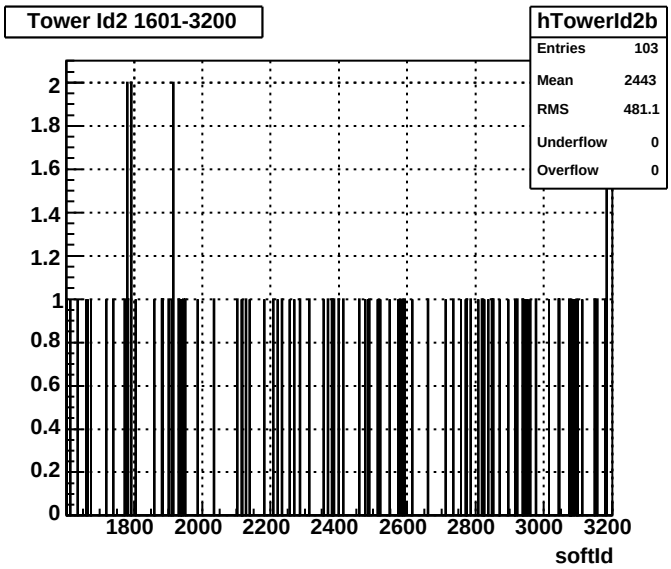

L0-L2 rejection rate
hL0L2RejectionRate
Entries 331
Mean 23.38
RMS 2.086
Underflow 0
Overflow 0

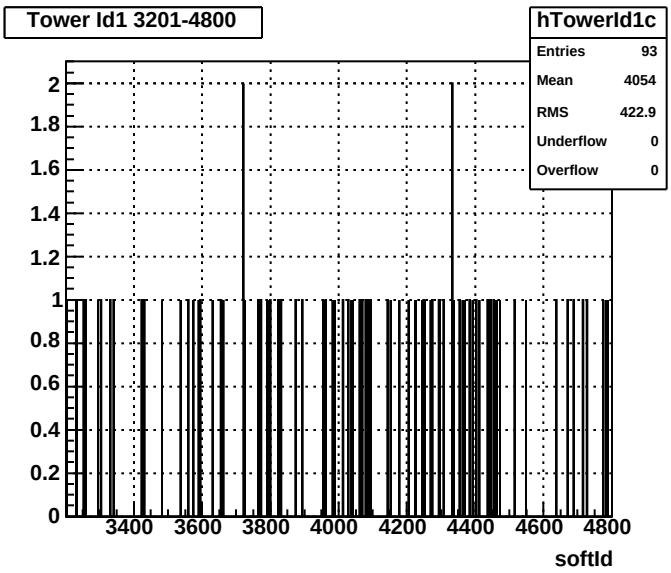

Delta Phi
hDeltaPhi
Entries 331
Mean 2.678
RMS 0.494
Underflow 0
Overflow 0
Δφ [radians]

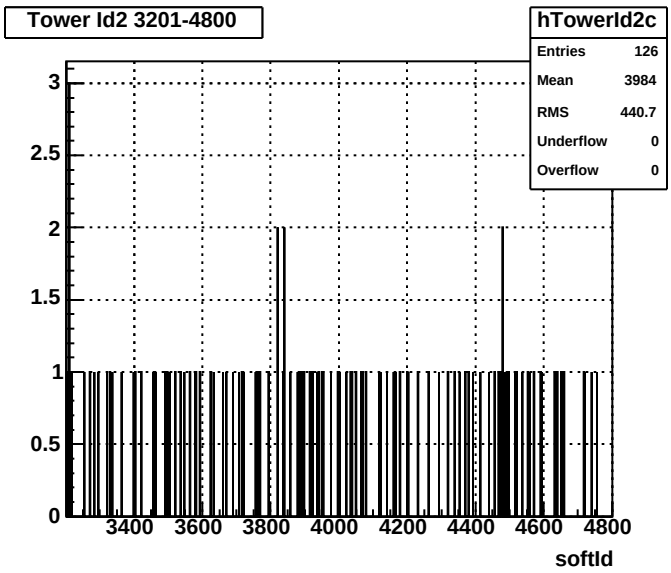

Tower Id1 1-1600
hTowerId1a
Entries 118
Mean 757.2
RMS 453.7
Underflow 0
Overflow 0
softId

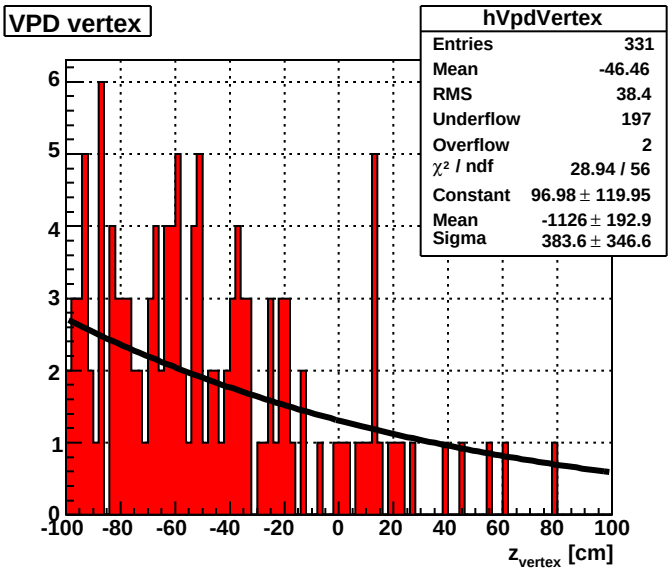

Tower Id2 1-1600
hTowerId2a
Entries 102
Mean 836.6
RMS 453.1
Underflow 0
Overflow 0
softId

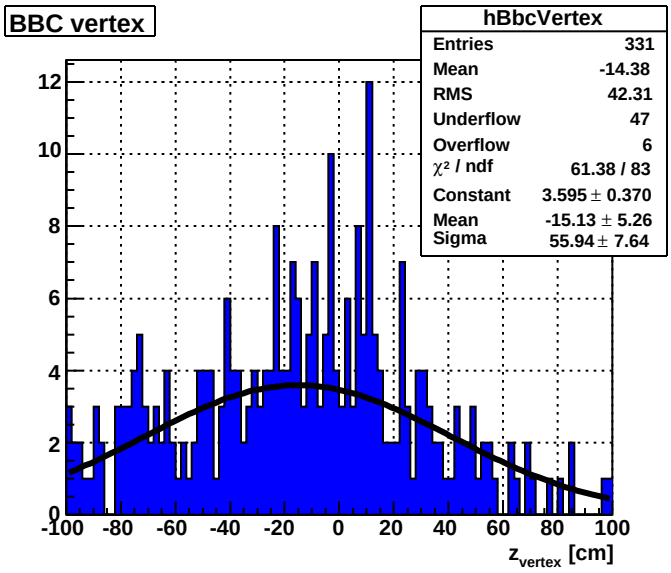

Tower Id1 1601-3200
hTowerId1b
Entries 120
Mean 2408
RMS 459.9
Underflow 0
Overflow 0
softId

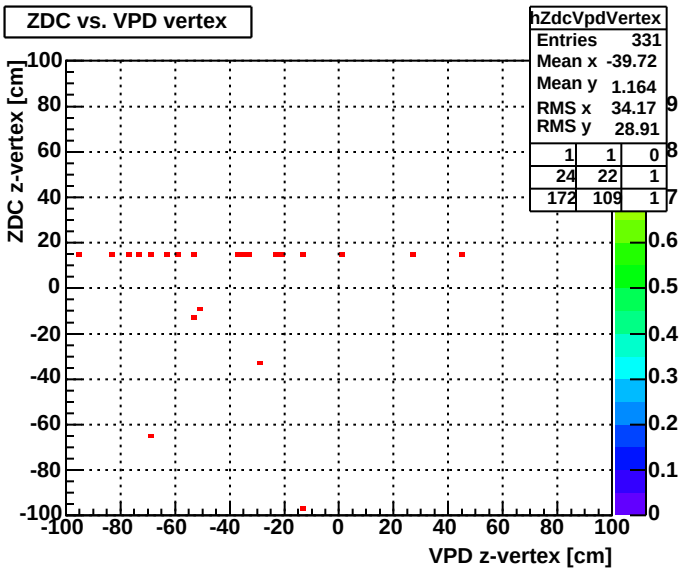

Tower Id2 1601-3200
hTowerId2b
Entries 103
Mean 2443
RMS 481.1
Underflow 0
Overflow 0
softId

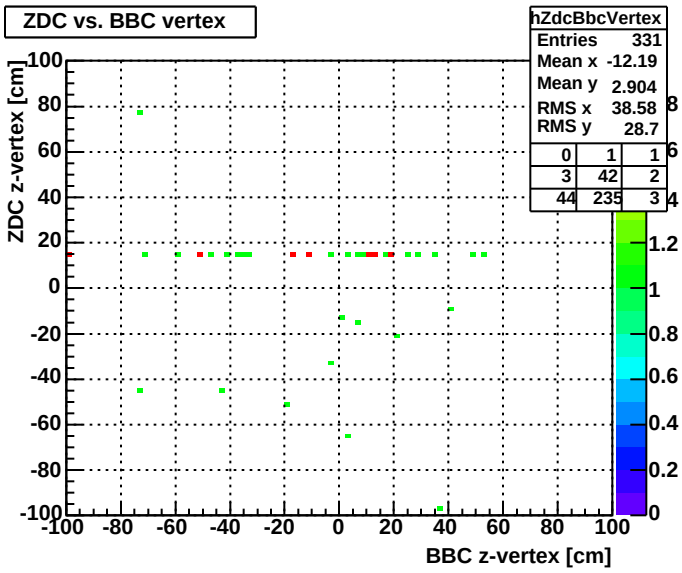

Tower Id1 3201-4800
hTowerId1c
Entries 93
Mean 4054
RMS 422.9
Underflow 0
Overflow 0
softId

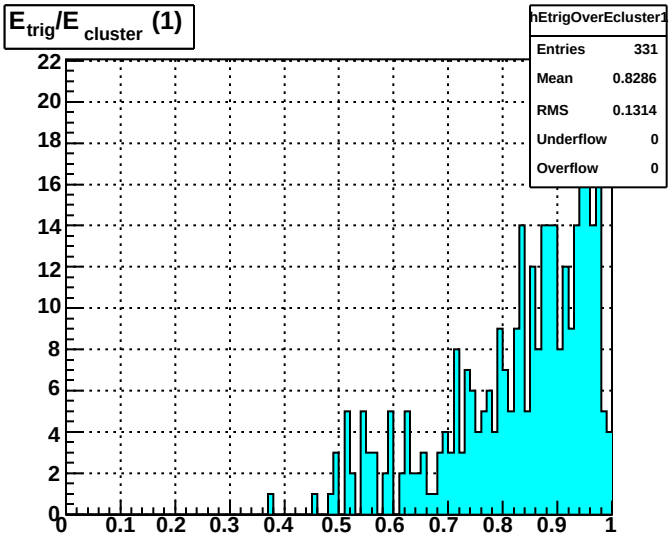

Tower Id2 3201-4800
hTowerId2c
Entries 126
Mean 3984
RMS 440.7
Underflow 0
Overflow 0
softId

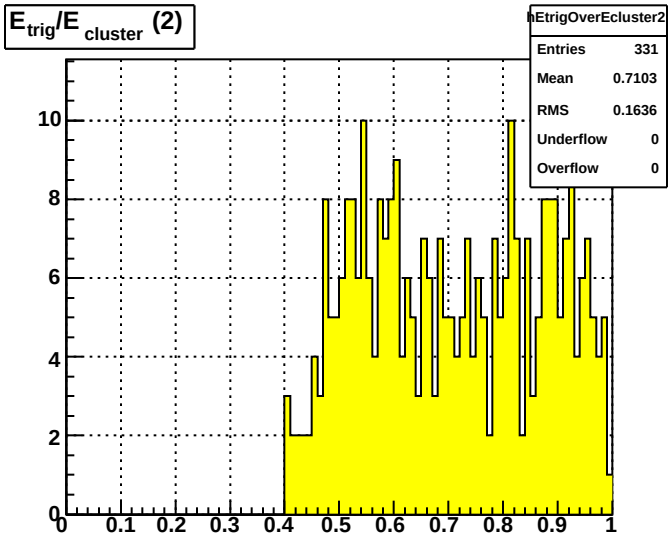

VPD vertex
hVpdVertex
Entries 331
Mean -46.46
RMS 38.4
Underflow 197
Overflow 2
χ² / ndf 28.94 / 56
Constant 96.98 ± 119.95
Mean -1126 ± 192.9
Sigma 383.6 ± 346.6
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 331
Mean -14.38
RMS 42.31
Underflow 47
Overflow 6
χ² / ndf 61.38 / 83
Constant 3.595 ± 0.370
Mean -15.13 ± 5.26
Sigma 55.94 ± 7.64
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 331
Mean x -39.72
Mean y 1.164
RMS x 34.17
RMS y 28.91
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 331
Mean x -12.19
Mean y 2.904
RMS x 38.58
RMS y 28.7
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 331
Mean 0.8286
RMS 0.1314
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 331
Mean 0.7103
RMS 0.1636
Underflow 0
Overflow 0