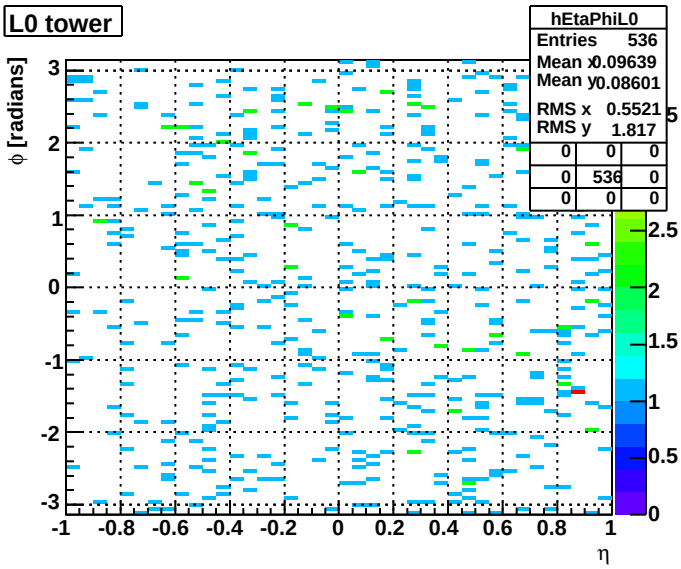
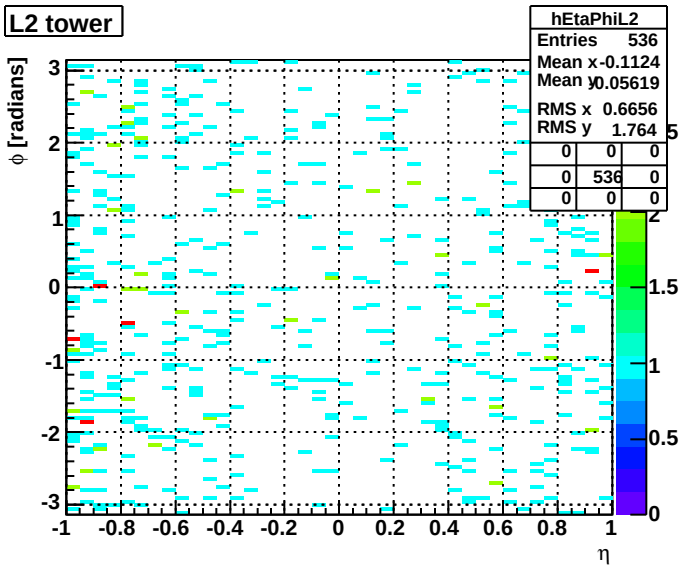
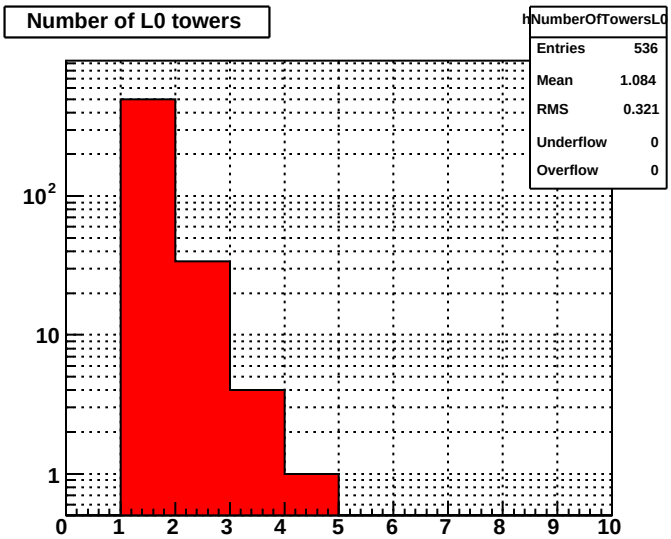
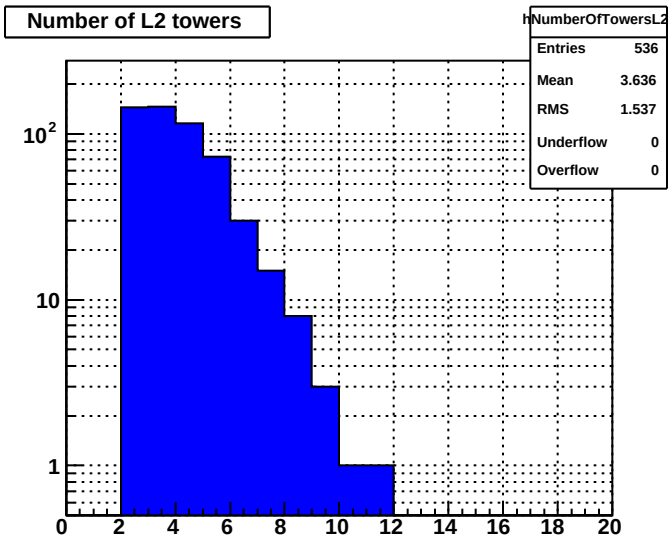
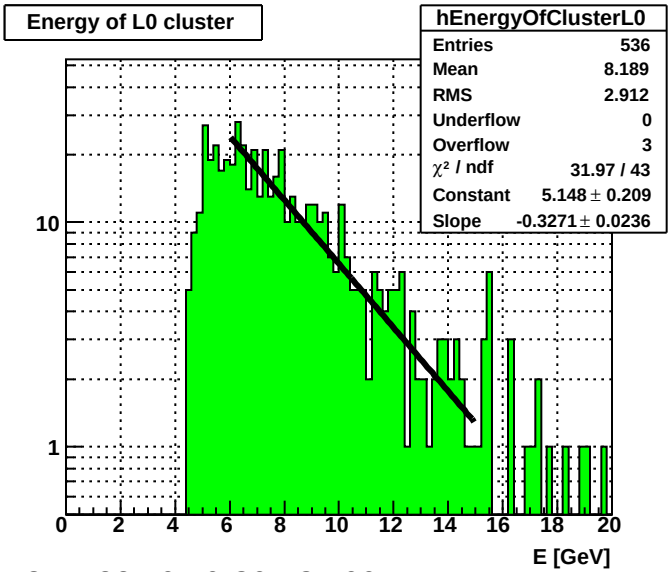
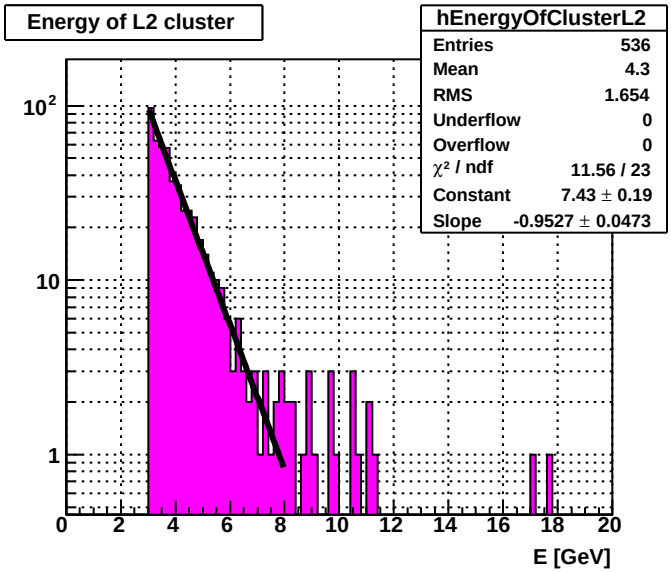

L0 tower
hEtaPhiL0
Entries 536
Mean x 0.09639
Mean y 0.08601
RMS x 0.5521
RMS y 1.817
φ [radians]
η

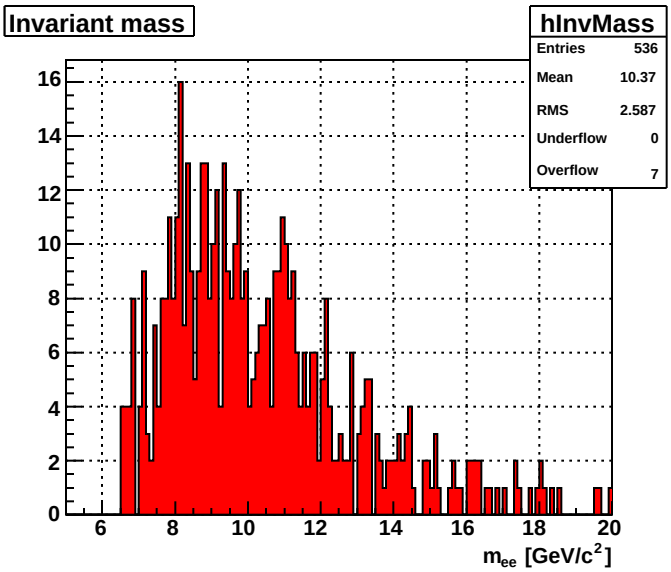

L2 tower
hEtaPhiL2
Entries 536
Mean x -0.1124
Mean y 0.05619
RMS x 0.6656
RMS y 1.764
φ [radians]
η

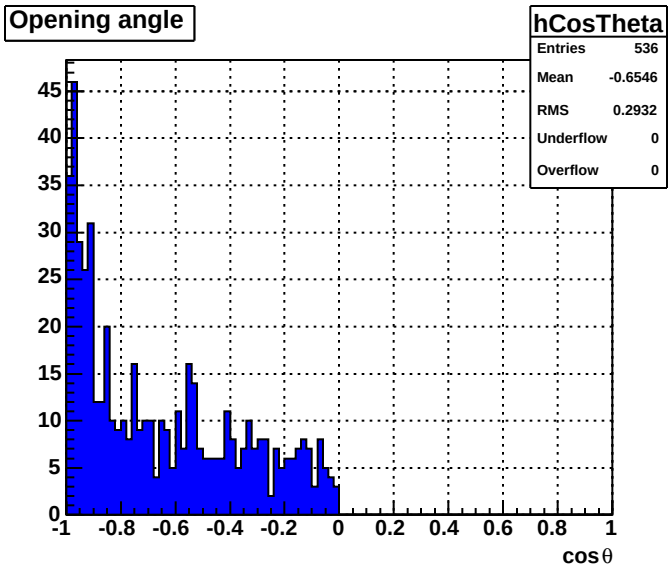

Number of L0 towers
hNumberOfTowersL0
Entries 536
Mean 1.084
RMS 0.321
Underflow 0
Overflow 0

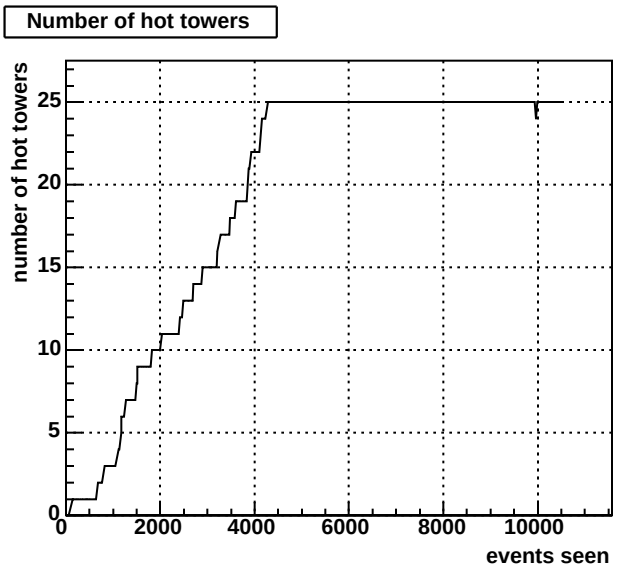

Number of L2 towers
hNumberOfTowersL2
Entries 536
Mean 3.636
RMS 1.537
Underflow 0
Overflow 0

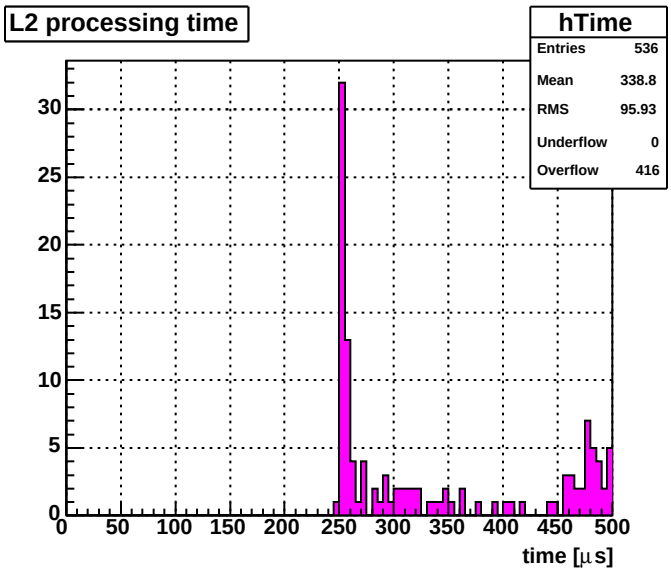

Energy of L0 cluster
hEnergyOfClusterL0
Entries 536
Mean 8.189
RMS 2.912
Underflow 0
Overflow 3
χ² / ndf 31.97 / 43
Constant 5.148 ± 0.209
Slope -0.3271 ± 0.0236
E [GeV]

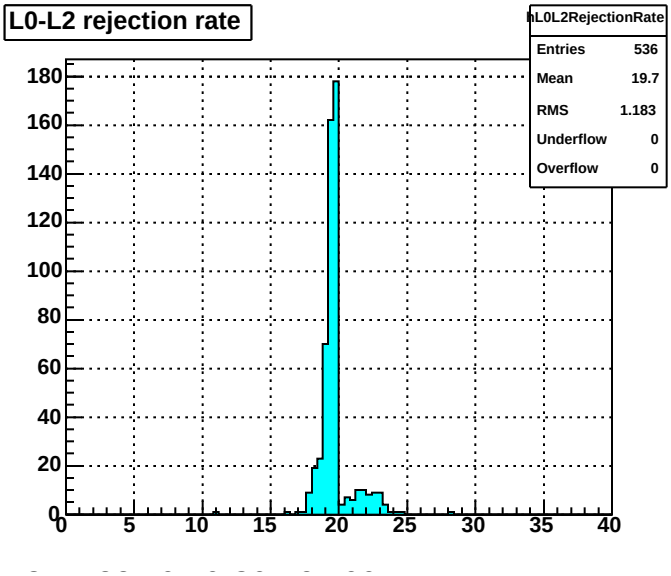

Energy of L2 cluster
hEnergyOfClusterL2
Entries 536
Mean 4.3
RMS 1.654
Underflow 0
Overflow 0
χ² / ndf 11.56 / 23
Constant 7.43 ± 0.19
Slope -0.9527 ± 0.0473
E [GeV]

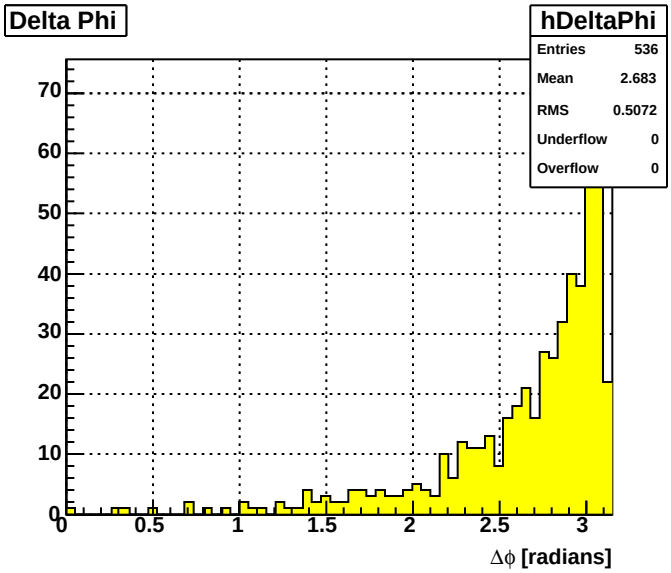

Invariant mass
hInvMass
Entries 536
Mean 10.37
RMS 2.587
Underflow 0
Overflow 7
m_{ee} [GeV/c^2]

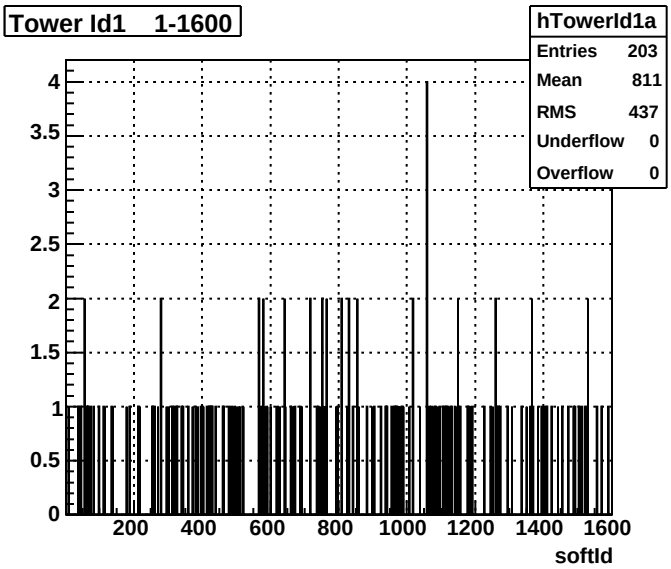

Opening angle
hCosTheta
Entries 536
Mean -0.6546
RMS 0.2932
Underflow 0
Overflow 0
cos θ

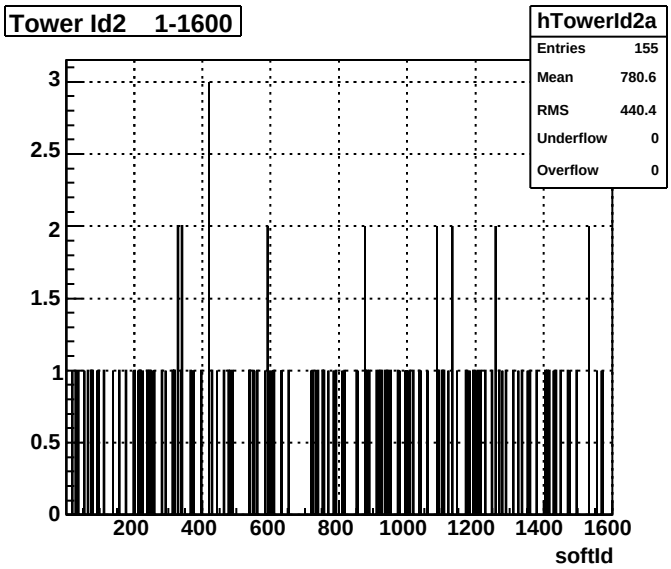

Number of hot towers
number of hot towers
events seen

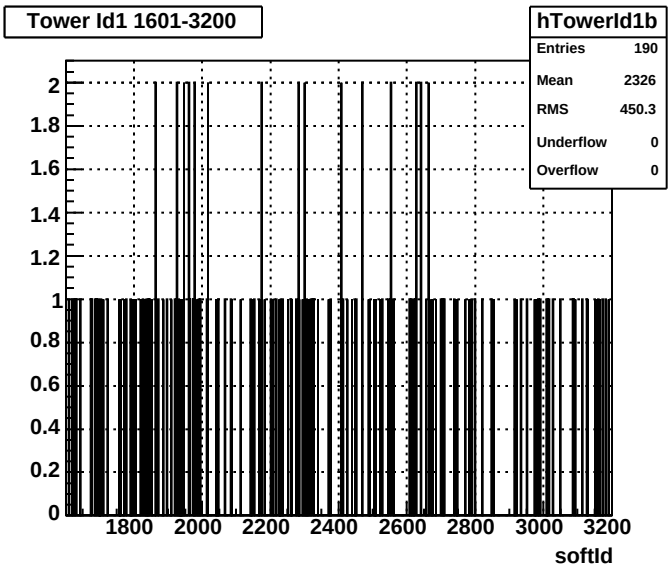

L2 processing time
hTime
Entries 536
Mean 338.8
RMS 95.93
Underflow 0
Overflow 416
time [μs]

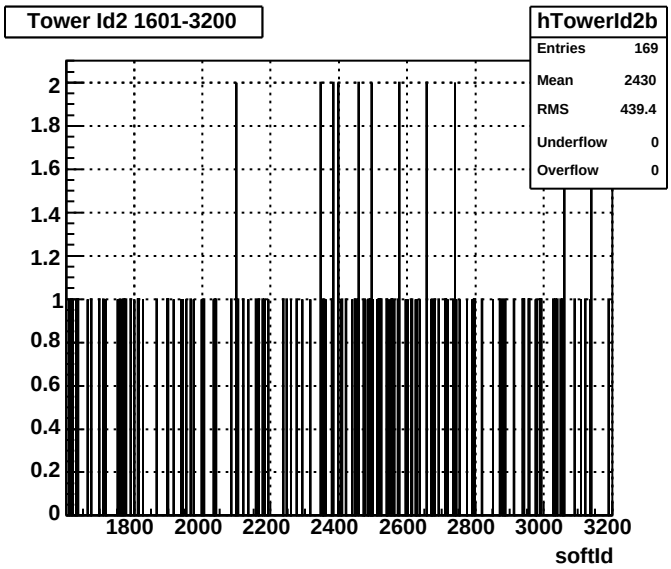

L0-L2 rejection rate
hL0L2RejectionRate
Entries 536
Mean 19.7
RMS 1.183
Underflow 0
Overflow 0

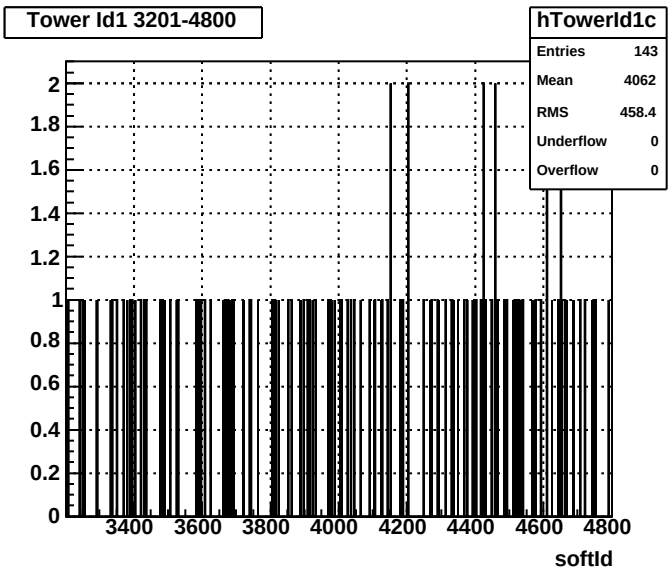

Delta Phi
hDeltaPhi
Entries 536
Mean 2.683
RMS 0.5072
Underflow 0
Overflow 0
Δφ [radians]

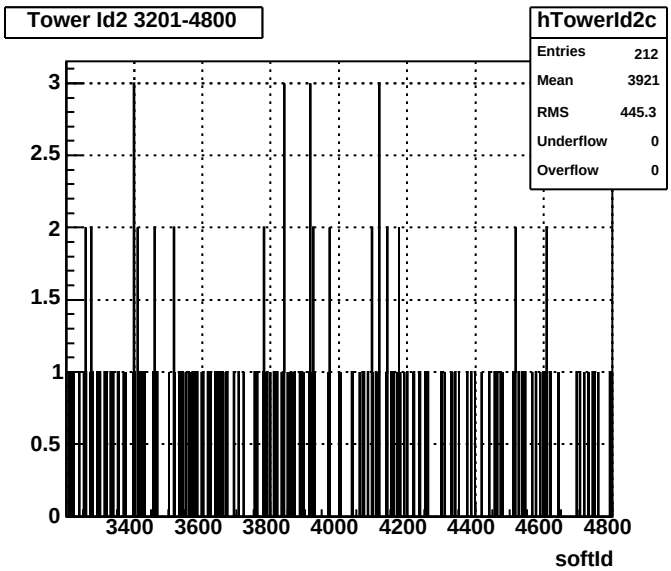

Tower Id1 1-1600
hTowerId1a
Entries 203
Mean 811
RMS 437
Underflow 0
Overflow 0
softId

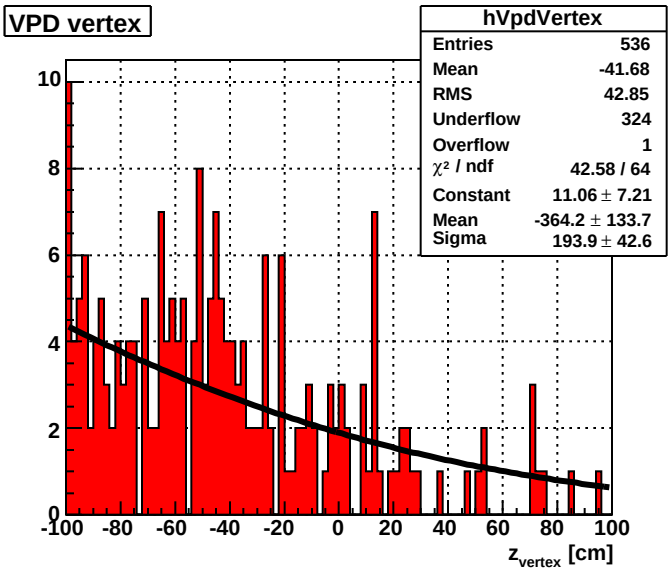

Tower Id2 1-1600
hTowerId2a
Entries 155
Mean 780.6
RMS 440.4
Underflow 0
Overflow 0
softId

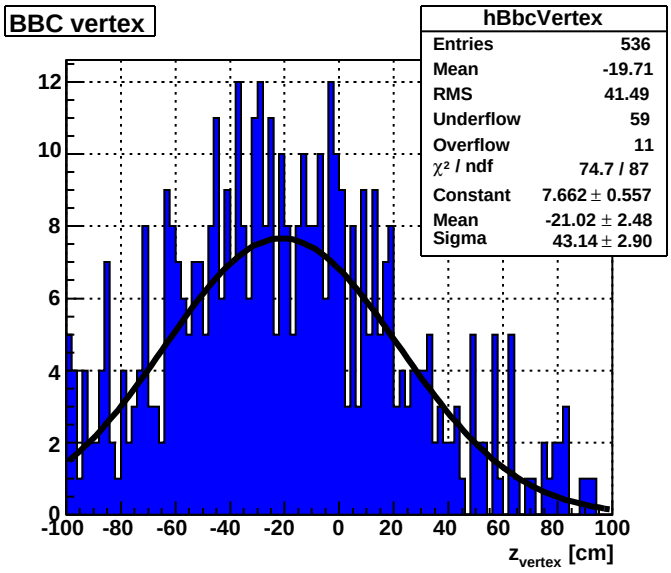

Tower Id1 1601-3200
hTowerId1b
Entries 190
Mean 2326
RMS 450.3
Underflow 0
Overflow 0
softId

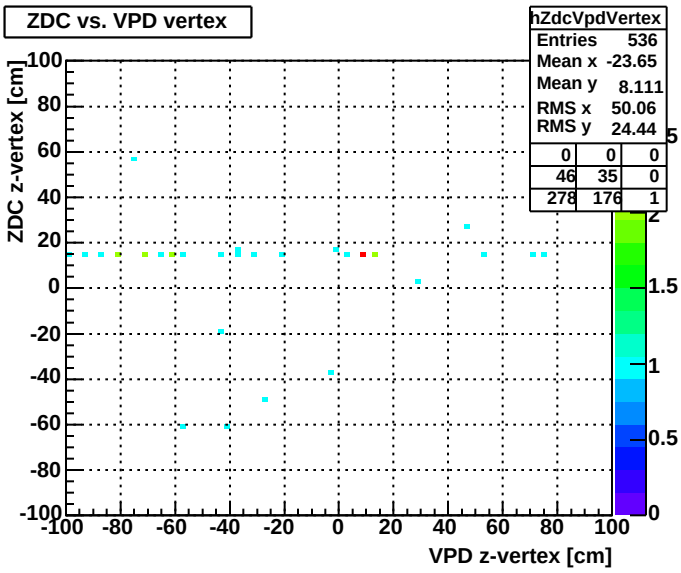

Tower Id2 1601-3200
hTowerId2b
Entries 169
Mean 2430
RMS 439.4
Underflow 0
Overflow 0
softId

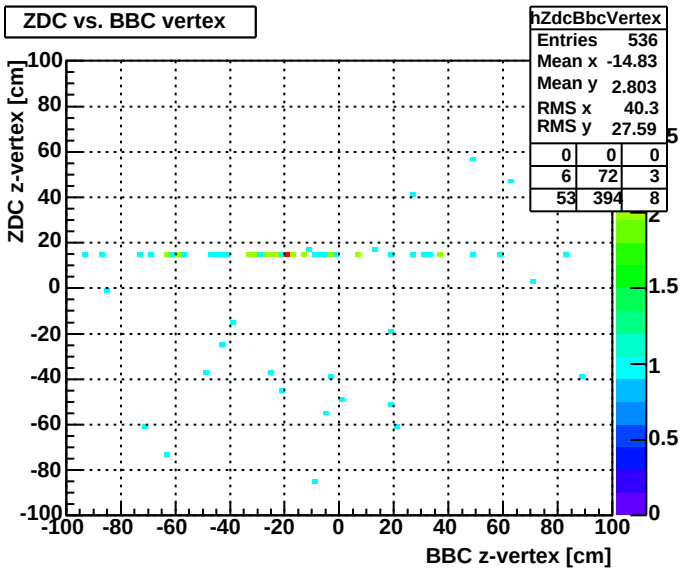

Tower Id1 3201-4800
hTowerId1c
Entries 143
Mean 4062
RMS 458.4
Underflow 0
Overflow 0
softId

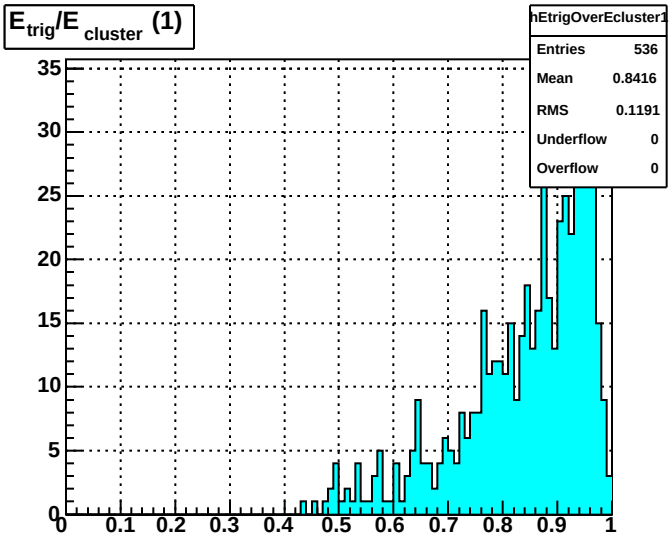

Tower Id2 3201-4800
hTowerId2c
Entries 212
Mean 3921
RMS 445.3
Underflow 0
Overflow 0
softId

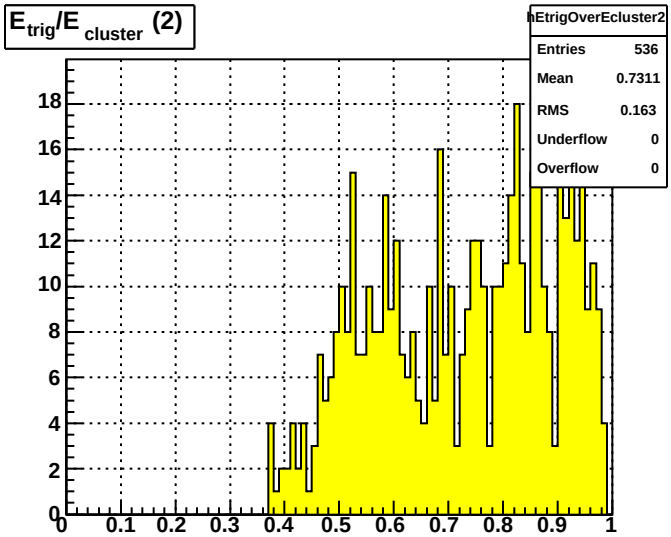

VPD vertex
hVpdVertex
Entries 536
Mean -41.68
RMS 42.85
Underflow 324
Overflow 1
χ² / ndf 42.58 / 64
Constant 11.06 ± 7.21
Mean -364.2 ± 133.7
Sigma 193.9 ± 42.6
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 536
Mean -19.71
RMS 41.49
Underflow 59
Overflow 11
χ² / ndf 74.7 / 87
Constant 7.662 ± 0.557
Mean -21.02 ± 2.48
Sigma 43.14 ± 2.90
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 536
Mean x -23.65
Mean y 8.111
RMS x 50.06
RMS y 24.44
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 536
Mean x -14.83
Mean y 2.803
RMS x 40.3
RMS y 27.59
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 536
Mean 0.8416
RMS 0.1191
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 536
Mean 0.7311
RMS 0.163
Underflow 0
Overflow 0