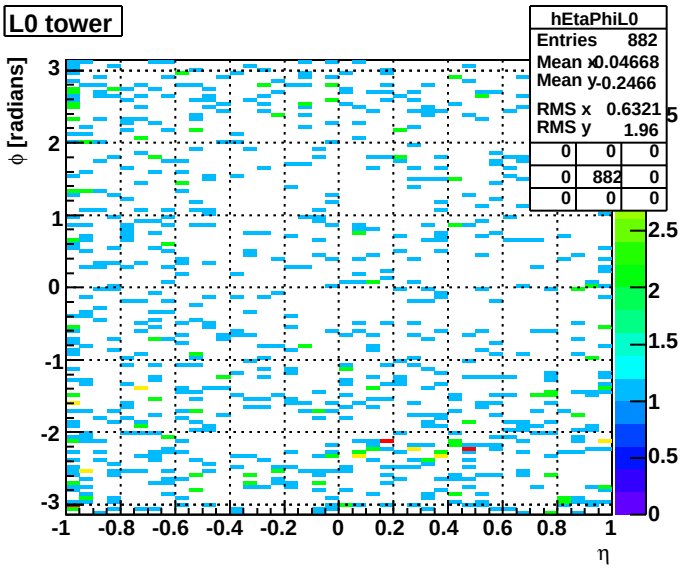
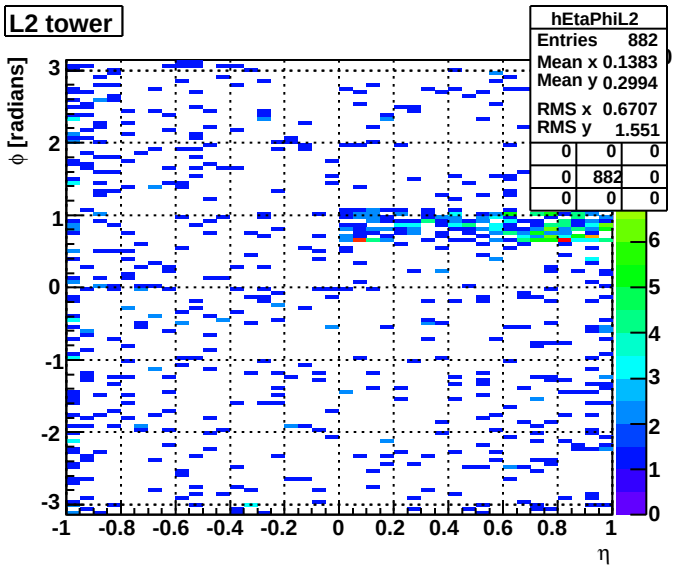
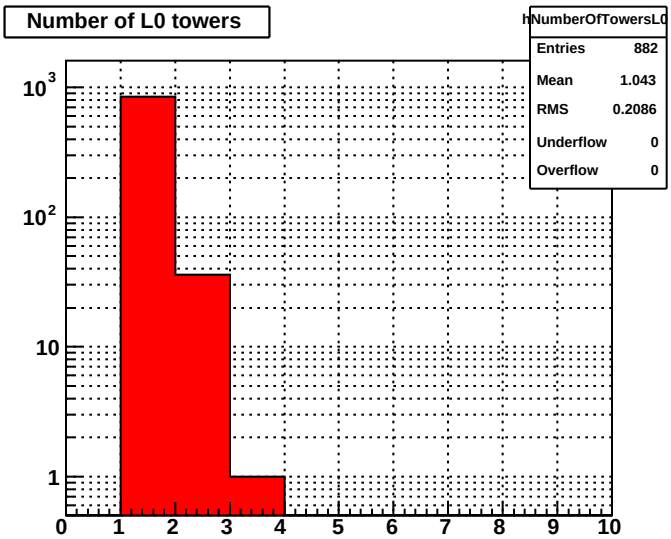
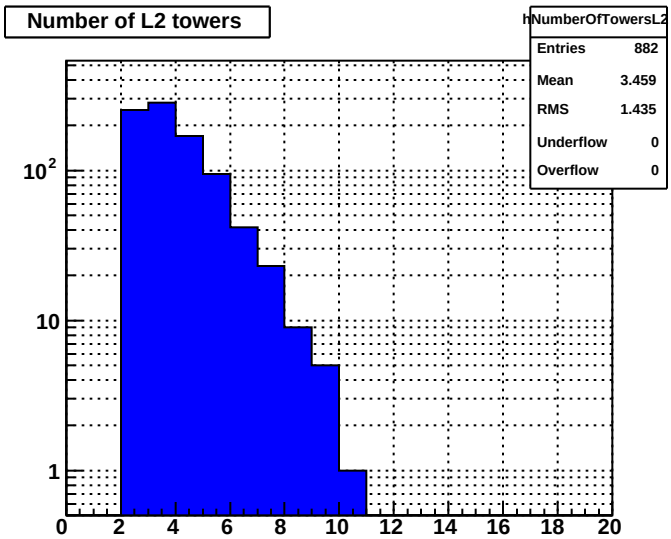
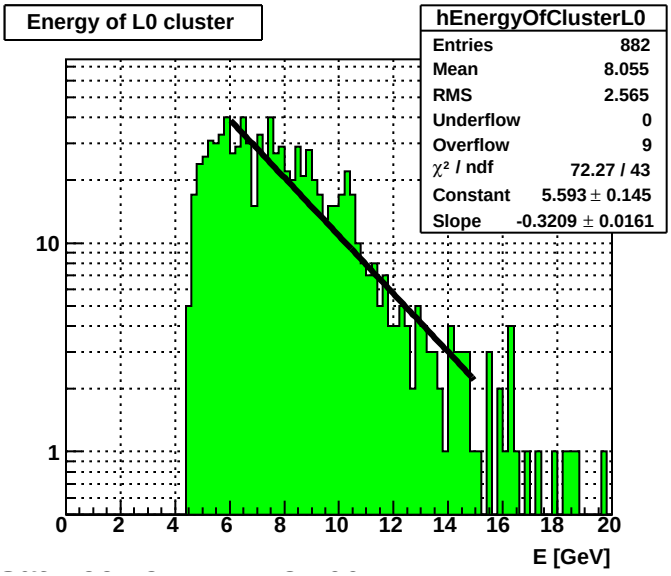
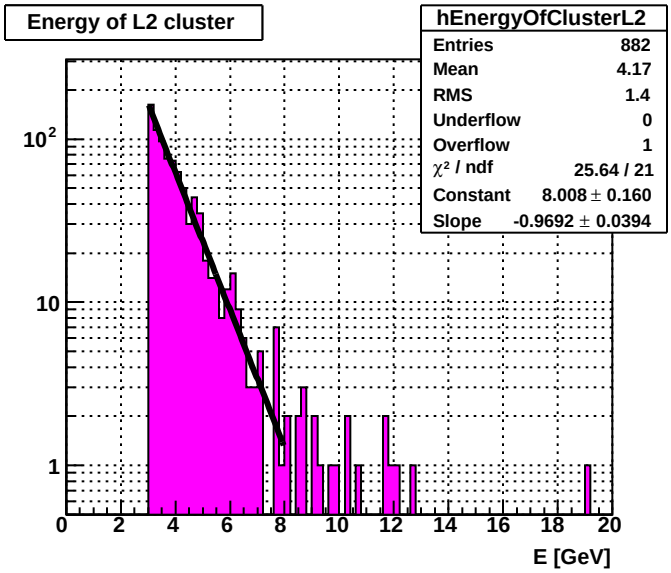

L0 tower
hEtaPhiL0
Entries 882
Mean x 0.04668
Mean y -0.2466
RMS x 0.6321
RMS y 1.96
φ [radians]
η

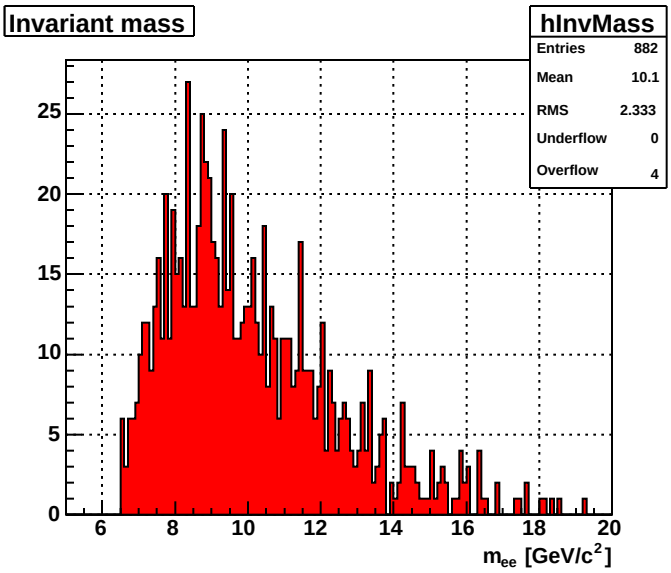

L2 tower
hEtaPhiL2
Entries 882
Mean x 0.1383
Mean y 0.2994
RMS x 0.6707
RMS y 1.551
φ [radians]
η

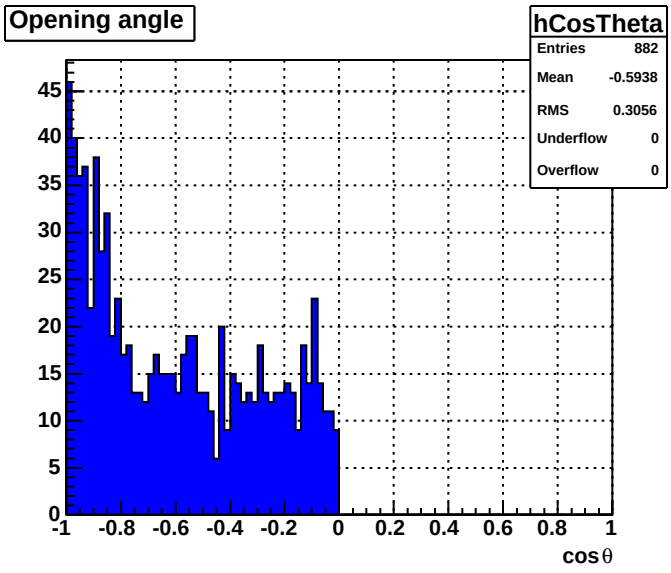

Number of L0 towers
hNumberOfTowersL0
Entries 882
Mean 1.043
RMS 0.2086
Underflow 0
Overflow 0

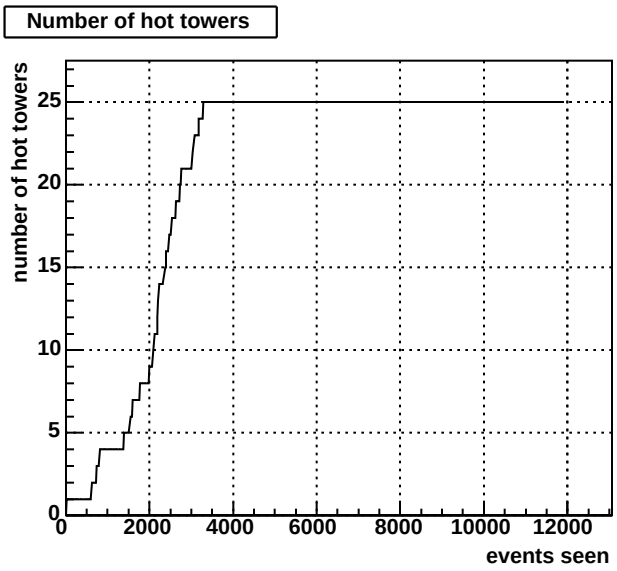

Number of L2 towers
hNumberOfTowersL2
Entries 882
Mean 3.459
RMS 1.435
Underflow 0
Overflow 0

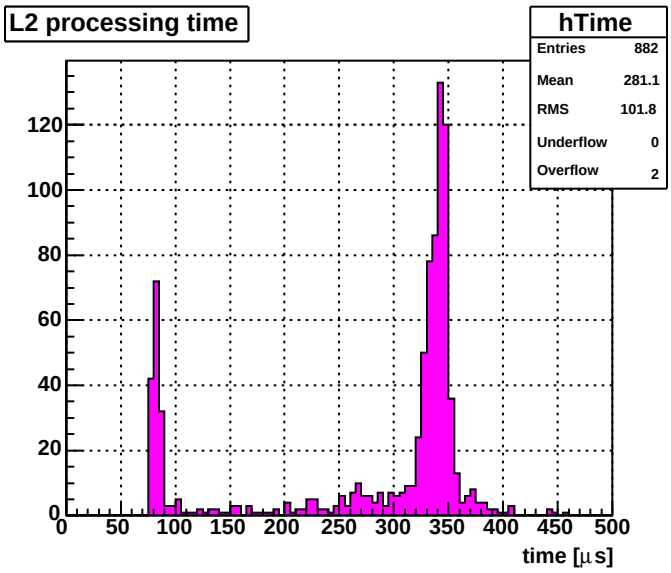

Energy of L0 cluster
hEnergyOfClusterL0
Entries 882
Mean 8.055
RMS 2.565
Underflow 0
Overflow 9
χ² / ndf 72.27 / 43
Constant 5.593 ± 0.145
Slope -0.3209 ± 0.0161
E [GeV]

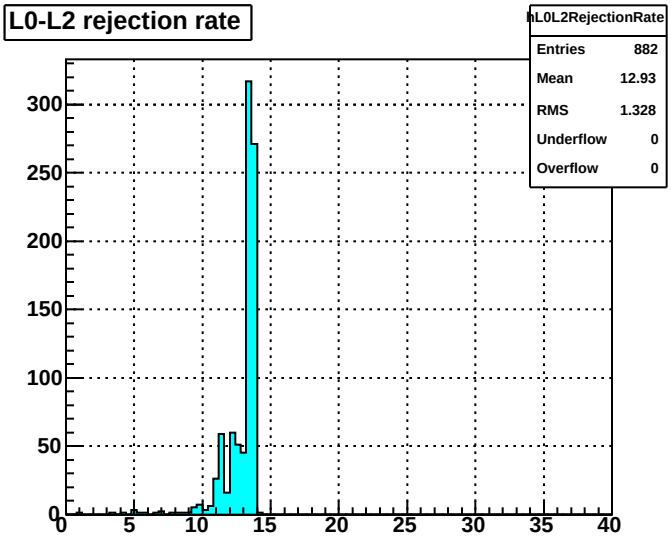

Energy of L2 cluster
hEnergyOfClusterL2
Entries 882
Mean 4.17
RMS 1.4
Underflow 0
Overflow 1
χ² / ndf 25.64 / 21
Constant 8.008 ± 0.160
Slope -0.9692 ± 0.0394
E [GeV]

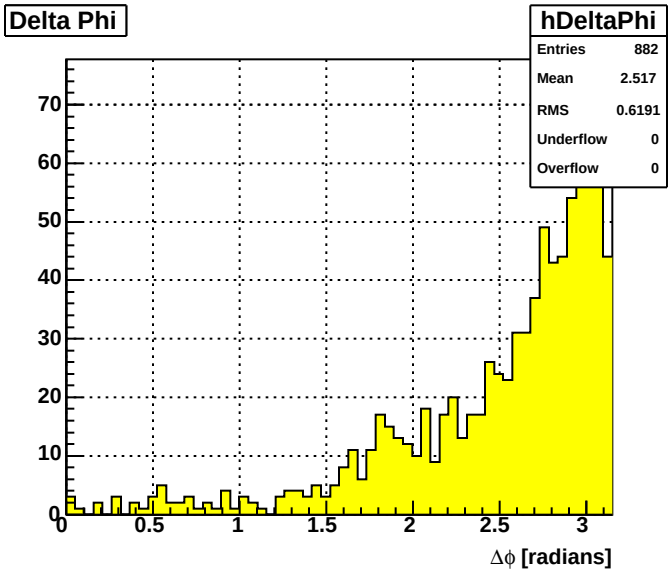

Invariant mass
hInvMass
Entries 882
Mean 10.1
RMS 2.333
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

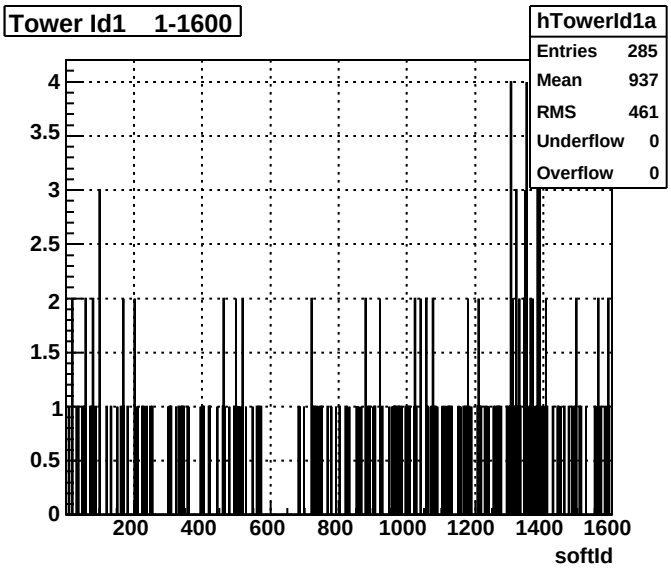

Opening angle
hCosTheta
Entries 882
Mean -0.5938
RMS 0.3056
Underflow 0
Overflow 0
cos θ

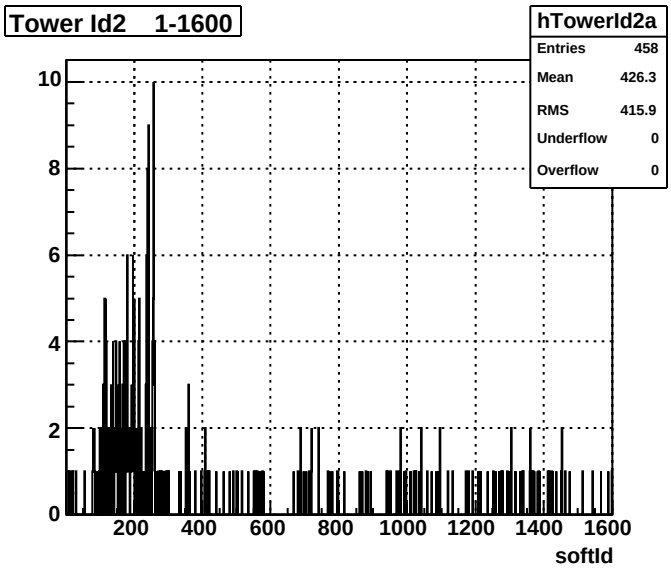

Number of hot towers
number of hot towers
events seen

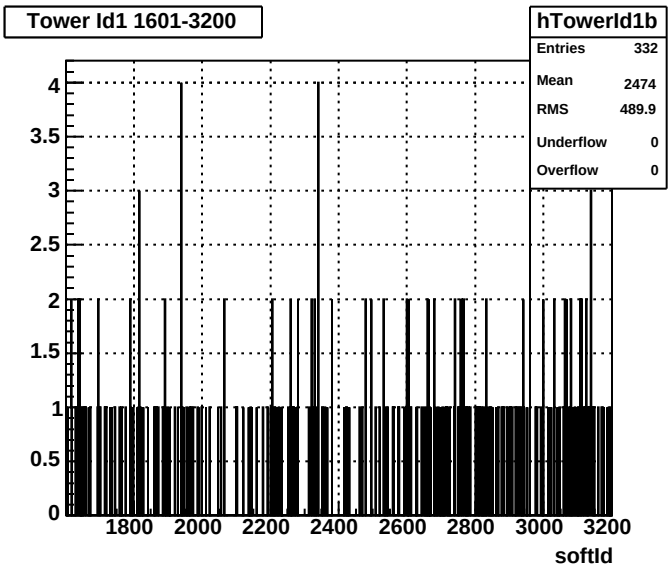

L2 processing time
hTime
Entries 882
Mean 281.1
RMS 101.8
Underflow 0
Overflow 2
time [μs]

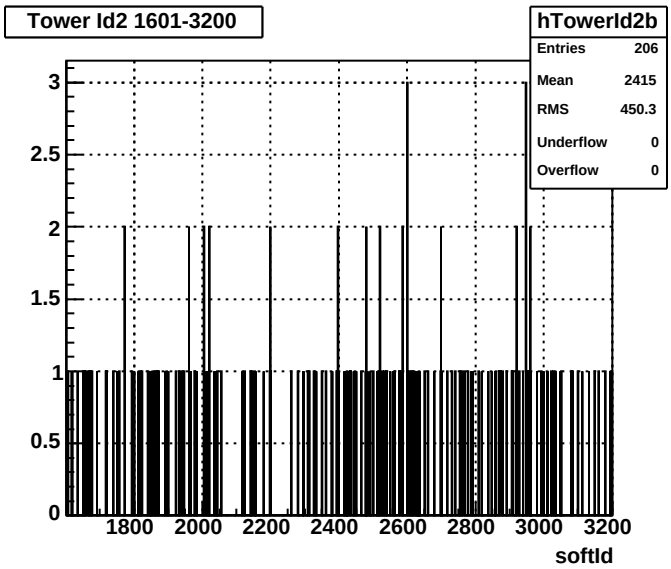

L0-L2 rejection rate
hL0L2RejectionRate
Entries 882
Mean 12.93
RMS 1.328
Underflow 0
Overflow 0

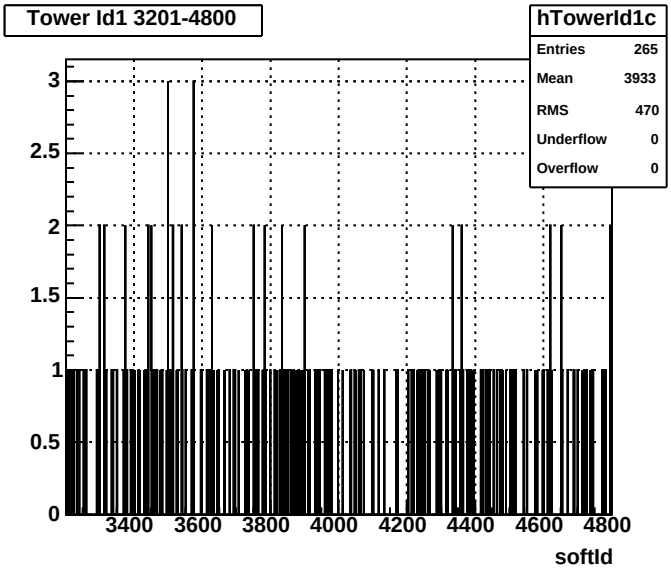

Delta Phi
hDeltaPhi
Entries 882
Mean 2.517
RMS 0.6191
Underflow 0
Overflow 0
Δφ [radians]

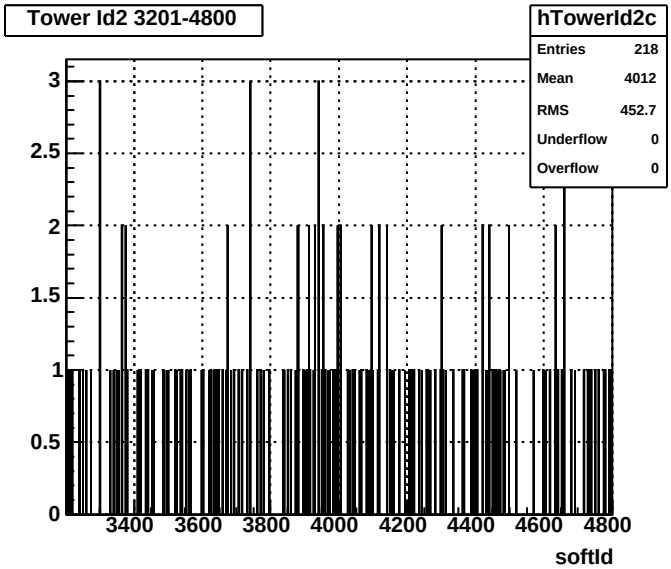

Tower Id1 1-1600
hTowerId1a
Entries 285
Mean 937
RMS 461
Underflow 0
Overflow 0
softId

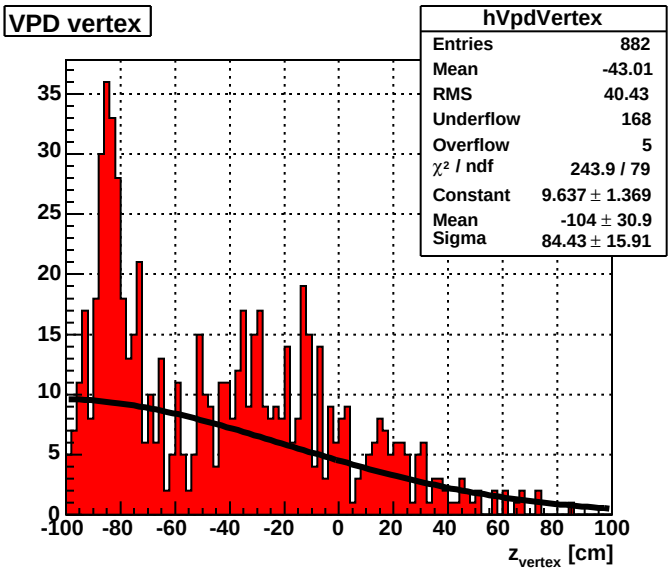

Tower Id2 1-1600
hTowerId2a
Entries 458
Mean 426.3
RMS 415.9
Underflow 0
Overflow 0
softId

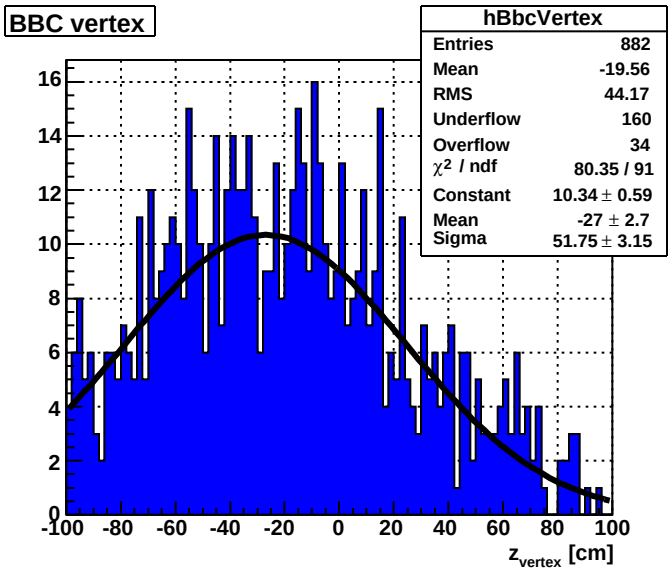

Tower Id1 1601-3200
hTowerId1b
Entries 332
Mean 2474
RMS 489.9
Underflow 0
Overflow 0
softId

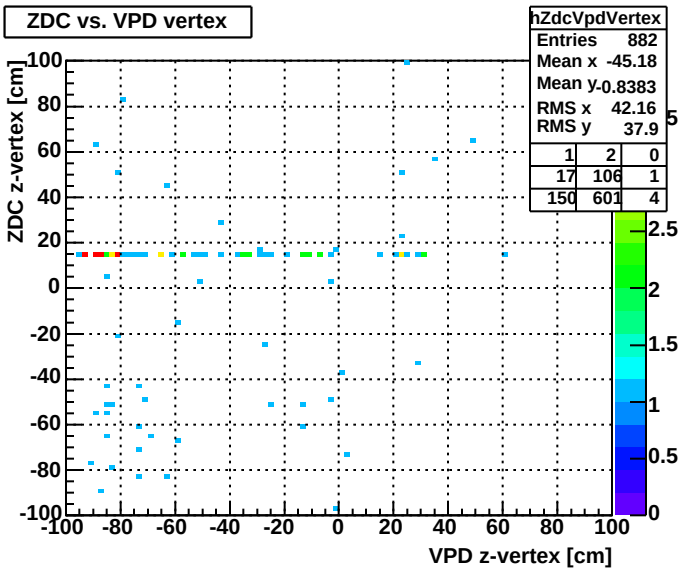

Tower Id2 1601-3200
hTowerId2b
Entries 206
Mean 2415
RMS 450.3
Underflow 0
Overflow 0
softId

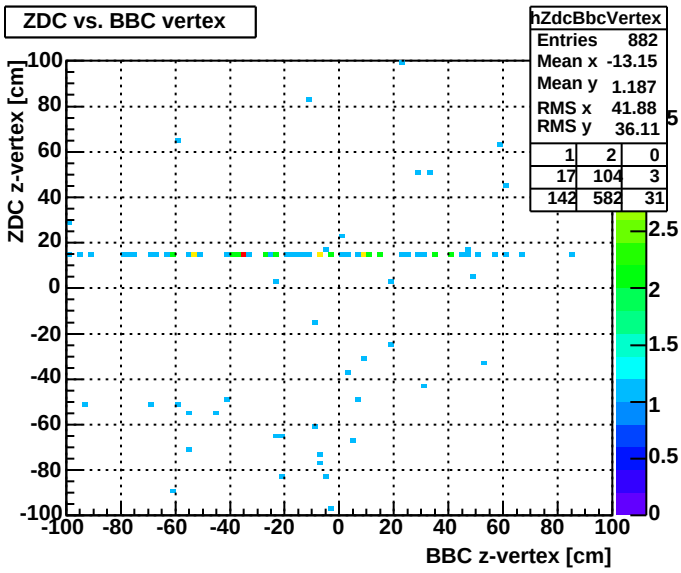

Tower Id1 3201-4800
hTowerId1c
Entries 265
Mean 3933
RMS 470
Underflow 0
Overflow 0
softId

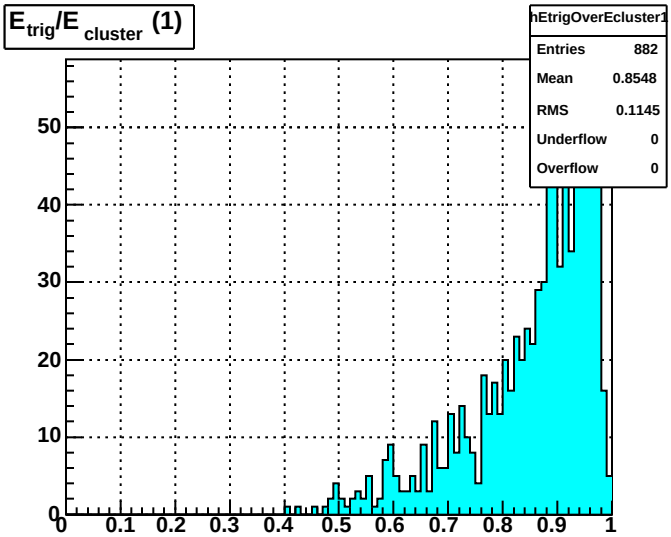

Tower Id2 3201-4800
hTowerId2c
Entries 218
Mean 4012
RMS 452.7
Underflow 0
Overflow 0
softId

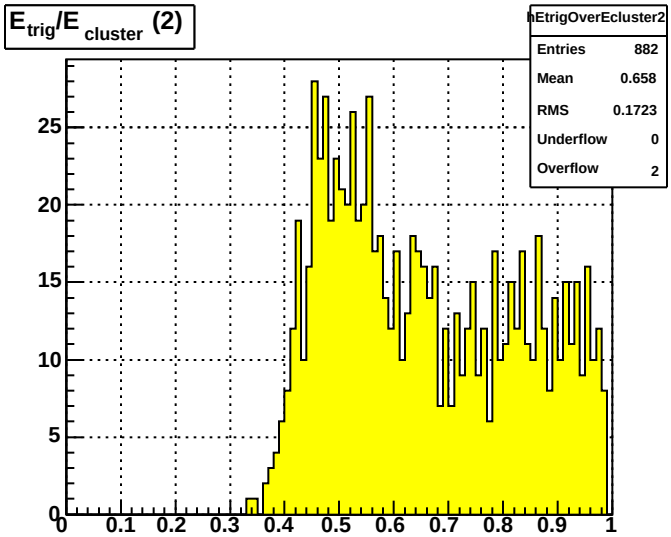

VPD vertex
hVpdVertex
Entries 882
Mean -43.01
RMS 40.43
Underflow 168
Overflow 5
χ² / ndf 243.9 / 79
Constant 9.637 ± 1.369
Mean -104 ± 30.9
Sigma 84.43 ± 15.91
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 882
Mean -19.56
RMS 44.17
Underflow 160
Overflow 34
χ² / ndf 80.35 / 91
Constant 10.34 ± 0.59
Mean -27 ± 2.7
Sigma 51.75 ± 3.15
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 882
Mean x -45.18
Mean y -0.8383
RMS x 42.16
RMS y 37.9
1 2 0
17 106 1
150 601 4
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 882
Mean x -13.15
Mean y 1.187
RMS x 41.88
RMS y 36.11
1 2 0
17 104 3
142 582 31
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 882
Mean 0.8548
RMS 0.1145
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 882
Mean 0.658
RMS 0.1723
Underflow 0
Overflow 2