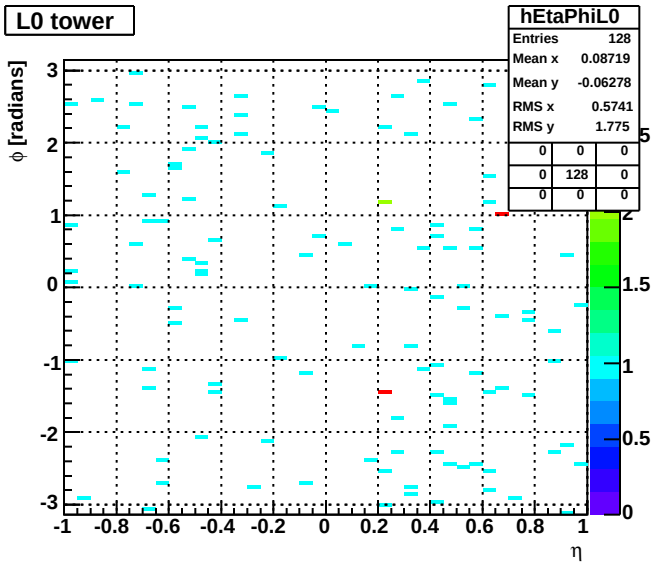
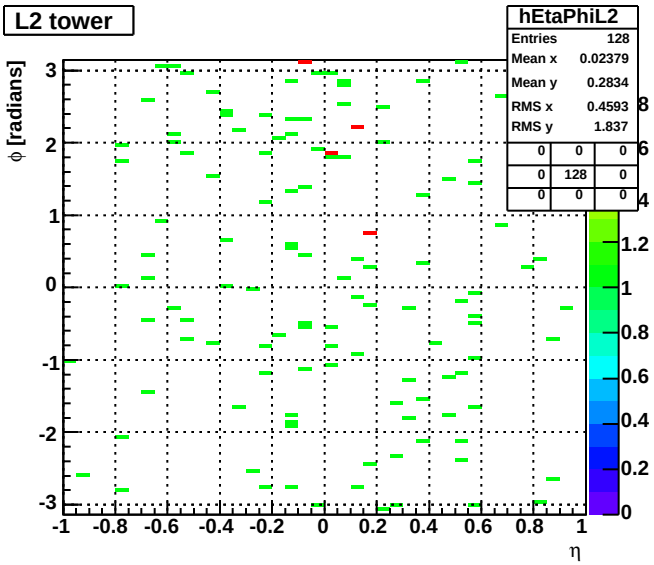
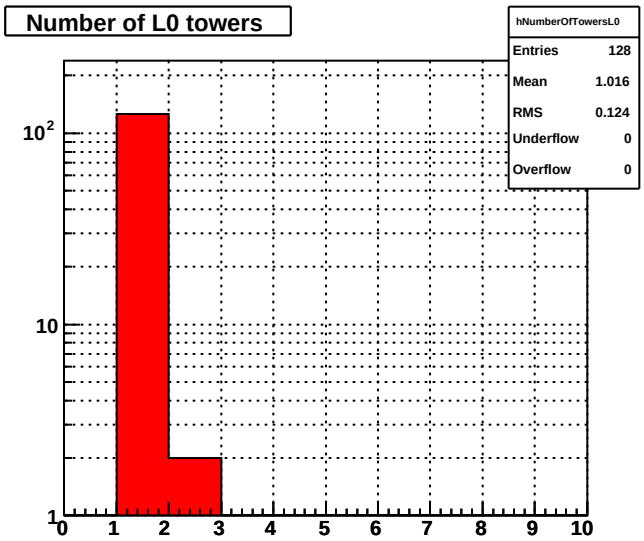
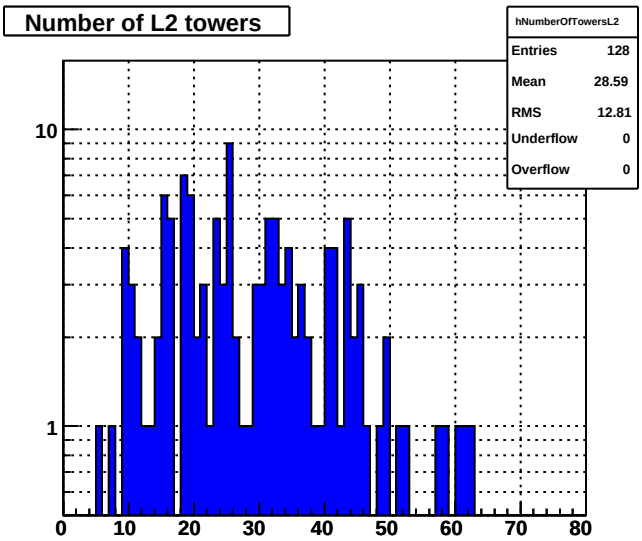
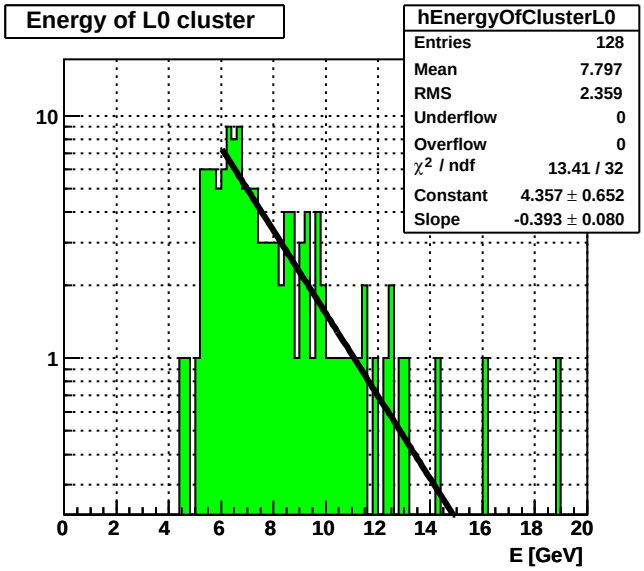
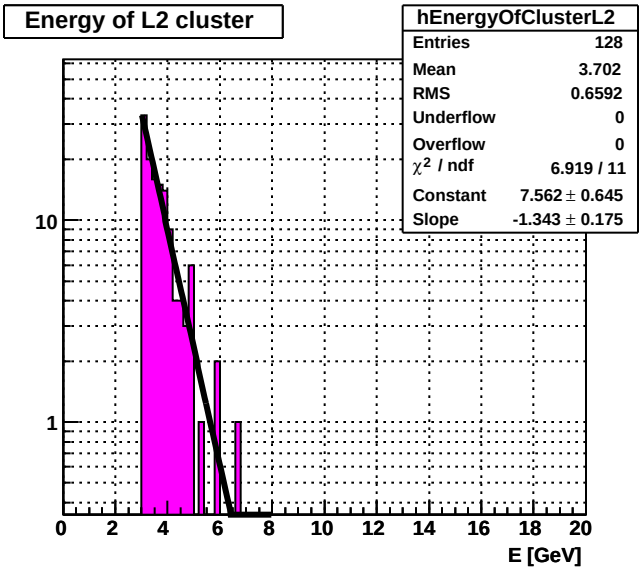

L0 tower
hEtaPhiL0
Entries 128
Mean x 0.08719
Mean y -0.06278
RMS x 0.5741
RMS y 1.775
φ [radians]
η

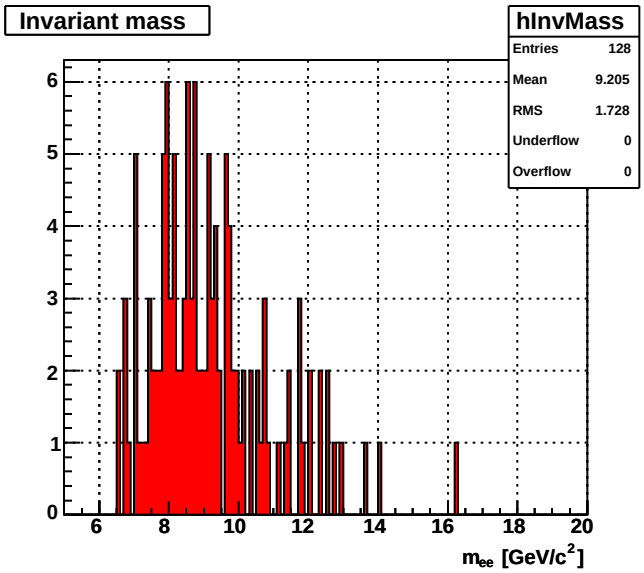

L2 tower
hEtaPhiL2
Entries 128
Mean x 0.02379
Mean y 0.2834
RMS x 0.4593
RMS y 1.837
φ [radians]
η

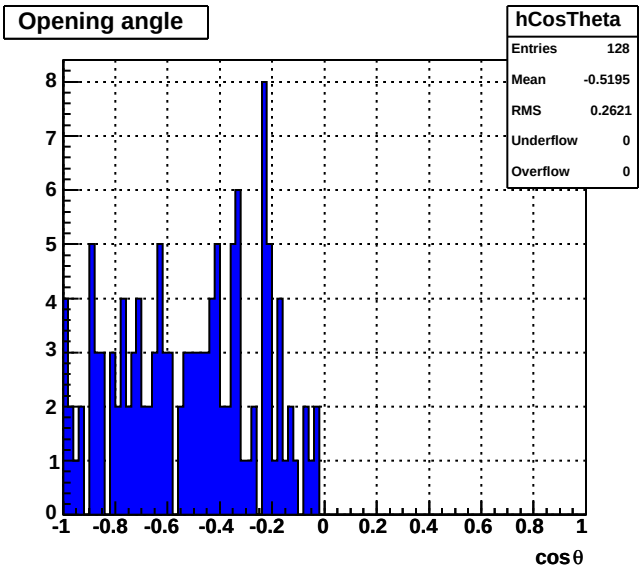

Number of L0 towers
hNumberOfTowersL0
Entries 128
Mean 1.016
RMS 0.124
Underflow 0
Overflow 0

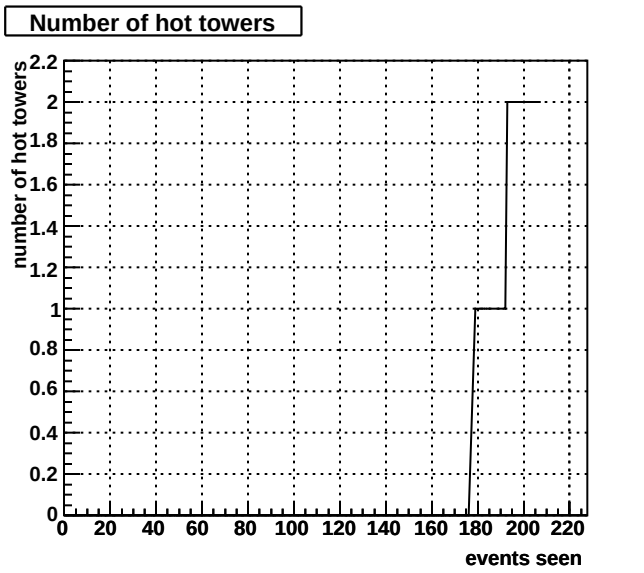

Number of L2 towers
hNumberOfTowersL2
Entries 128
Mean 28.59
RMS 12.81
Underflow 0
Overflow 0

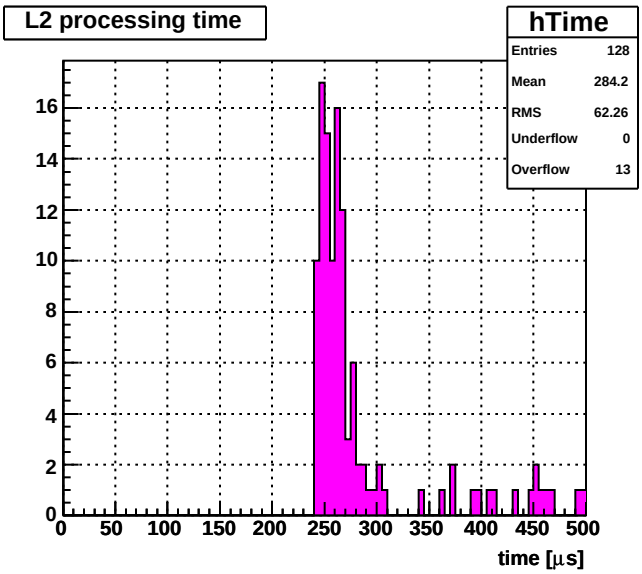

Energy of L0 cluster
hEnergyOfClusterL0
Entries 128
Mean 7.797
RMS 2.359
Underflow 0
Overflow 0
χ² / ndf 13.41 / 32
Constant 4.357 ± 0.652
Slope -0.393 ± 0.080
E [GeV]

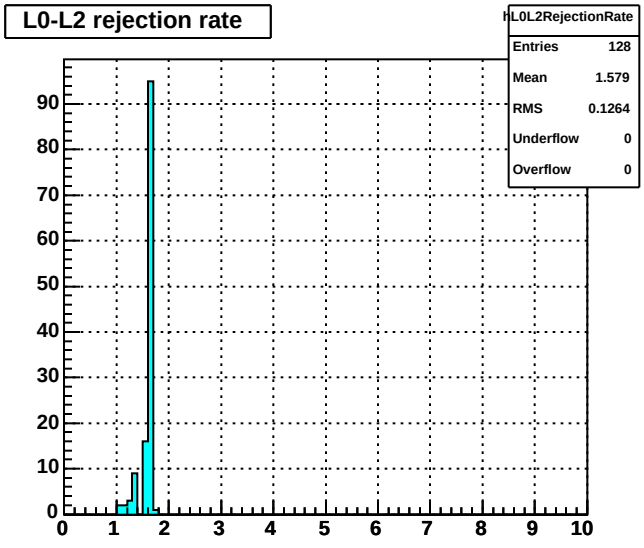

Energy of L2 cluster
hEnergyOfClusterL2
Entries 128
Mean 3.702
RMS 0.6592
Underflow 0
Overflow 0
χ² / ndf 6.919 / 11
Constant 7.562 ± 0.645
Slope -1.343 ± 0.175
E [GeV]

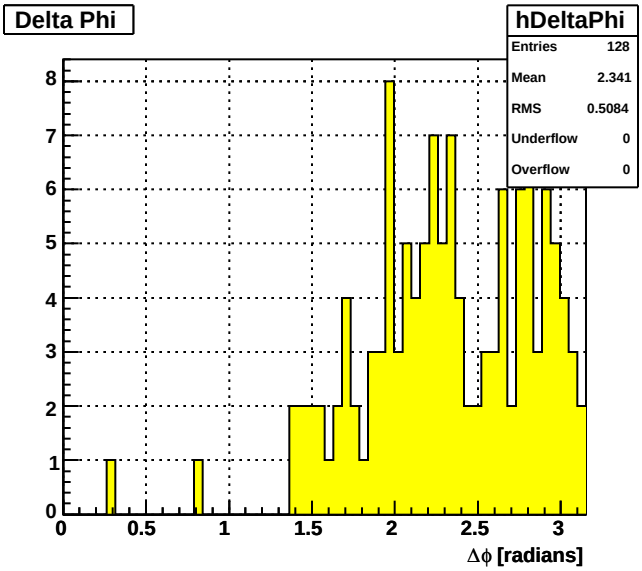

Invariant mass
hInvMass
Entries 128
Mean 9.205
RMS 1.728
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

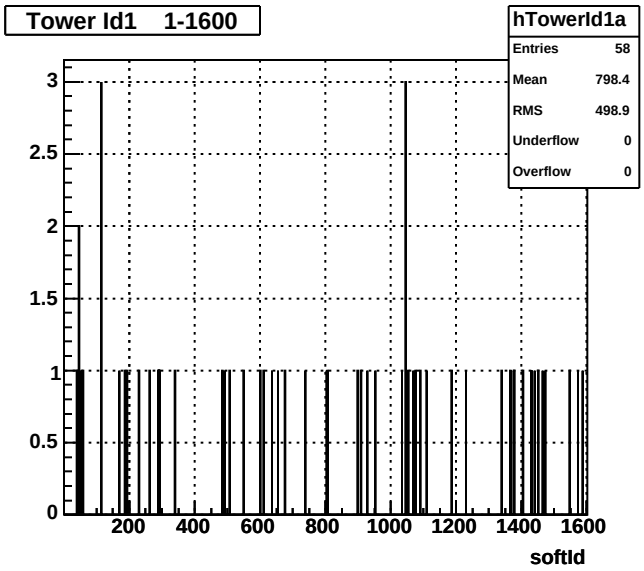

Opening angle
hCosTheta
Entries 128
Mean -0.5195
RMS 0.2621
Underflow 0
Overflow 0
cos θ

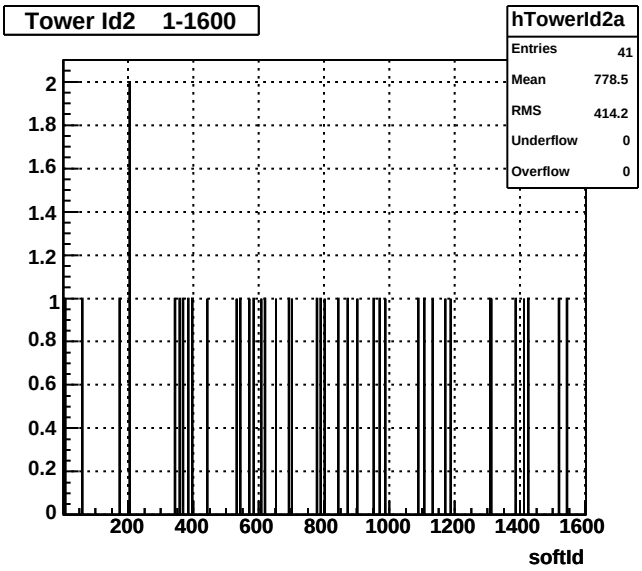

Number of hot towers
number of hot towers
events seen

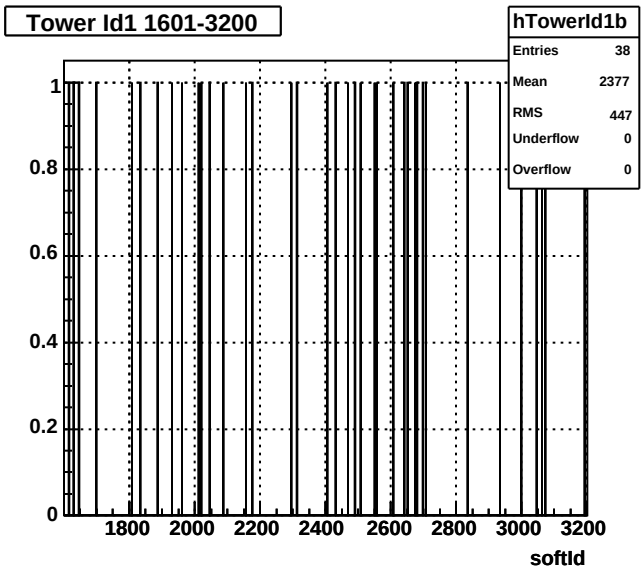

L2 processing time
hTime
Entries 128
Mean 284.2
RMS 62.26
Underflow 0
Overflow 13
time [μs]

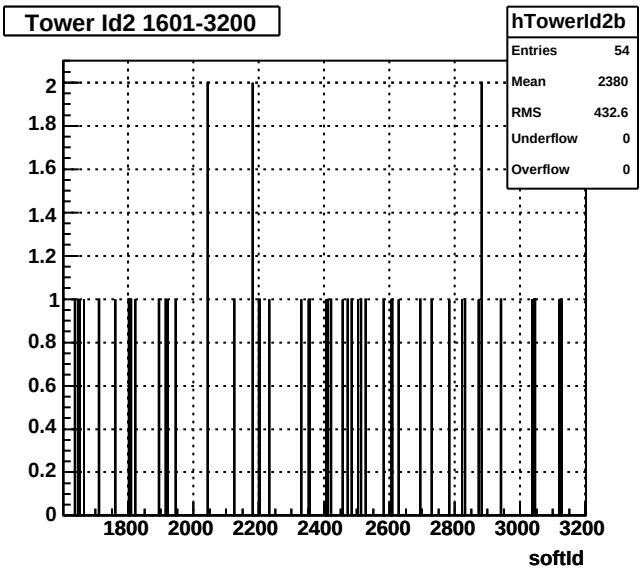

L0-L2 rejection rate
hL0L2RejectionRate
Entries 128
Mean 1.579
RMS 0.1264
Underflow 0
Overflow 0

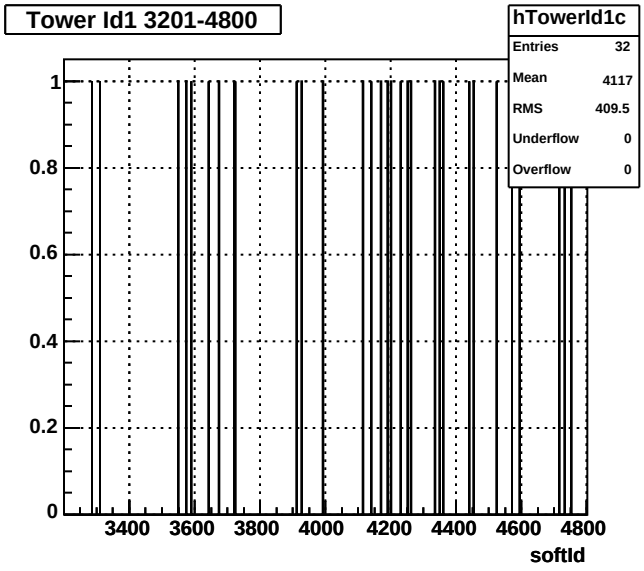

Delta Phi
hDeltaPhi
Entries 128
Mean 2.341
RMS 0.5084
Underflow 0
Overflow 0
Δφ [radians]

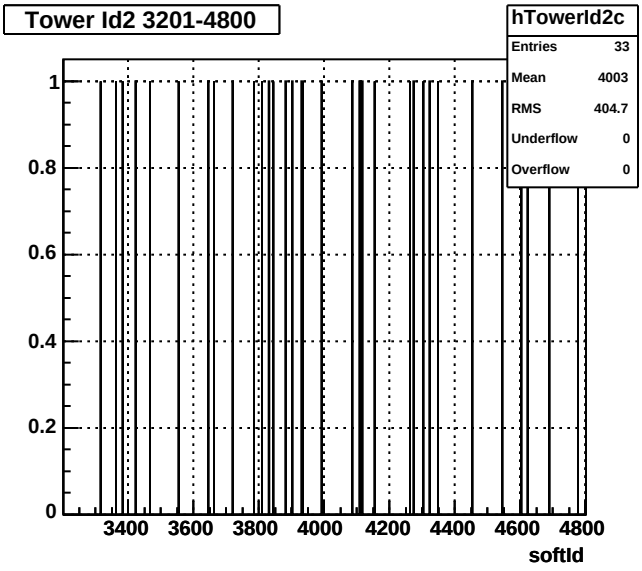

Tower Id1 1-1600
hTowerId1a
Entries 58
Mean 798.4
RMS 498.9
Underflow 0
Overflow 0
softId

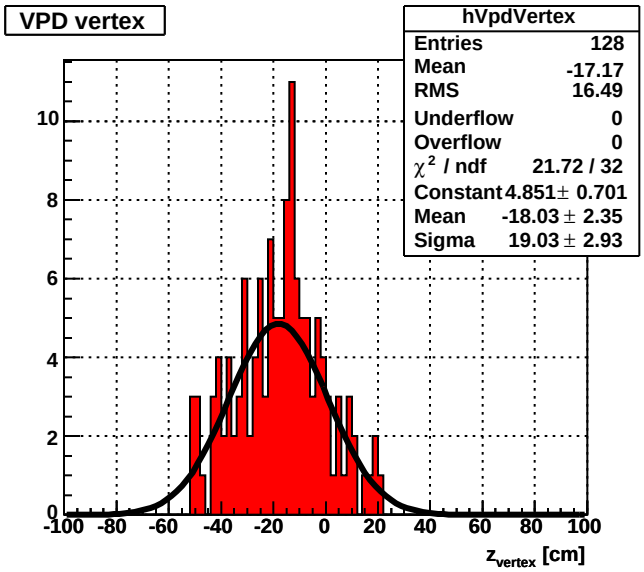

Tower Id2 1-1600
hTowerId2a
Entries 41
Mean 778.5
RMS 414.2
Underflow 0
Overflow 0
softId

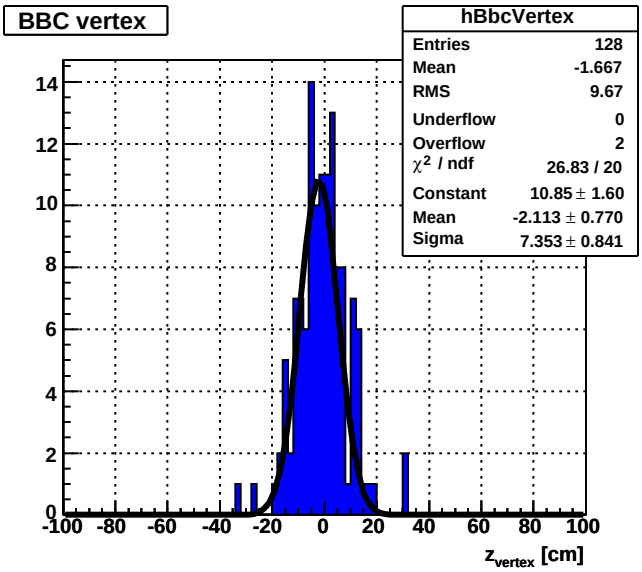

Tower Id1 1601-3200
hTowerId1b
Entries 38
Mean 2377
RMS 447
Underflow 0
Overflow 0
softId

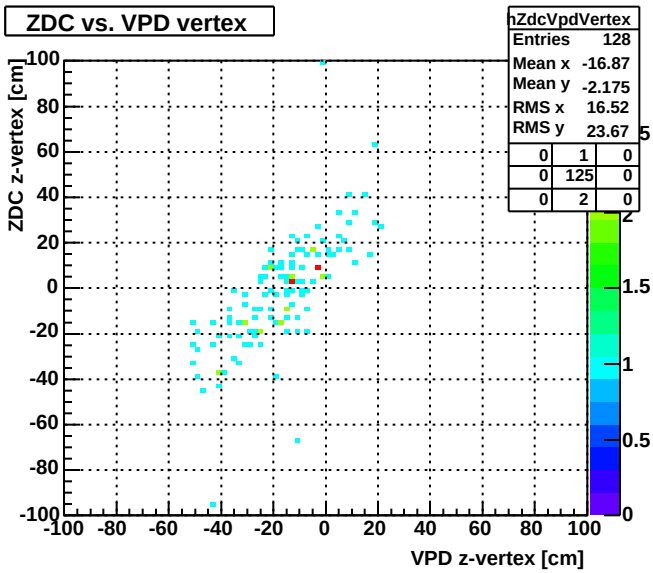

Tower Id2 1601-3200
hTowerId2b
Entries 54
Mean 2380
RMS 432.6
Underflow 0
Overflow 0
softId

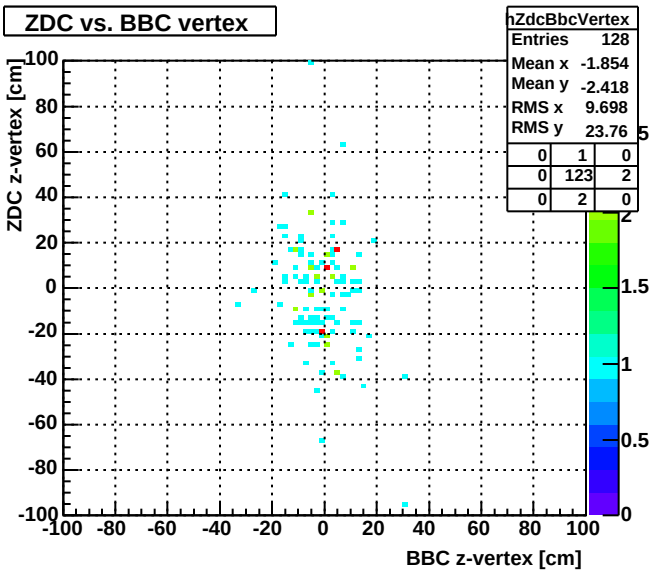

Tower Id1 3201-4800
hTowerId1c
Entries 32
Mean 4117
RMS 409.5
Underflow 0
Overflow 0
softId

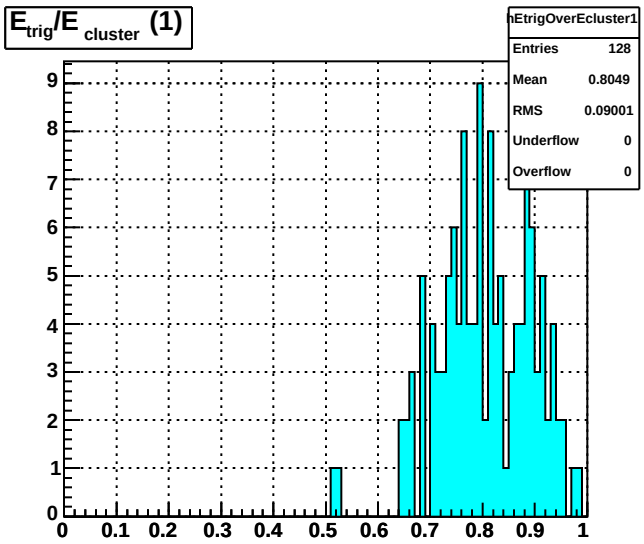

Tower Id2 3201-4800
hTowerId2c
Entries 33
Mean 4003
RMS 404.7
Underflow 0
Overflow 0
softId

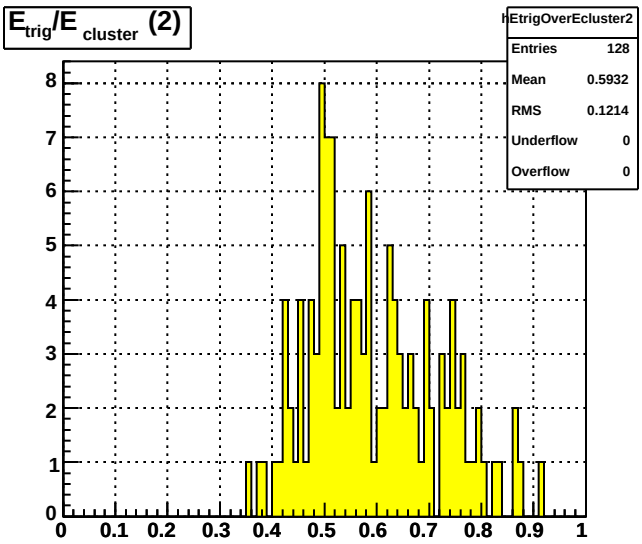

VPD vertex
hVpdVertex
Entries 128
Mean -17.17
RMS 16.49
Underflow 0
Overflow 0
χ² / ndf 21.72 / 32
Constant 4.851 ± 0.701
Mean -18.03 ± 2.35
Sigma 19.03 ± 2.93
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 128
Mean -1.667
RMS 9.67
Underflow 0
Overflow 2
χ² / ndf 26.83 / 20
Constant 10.85 ± 1.60
Mean -2.113 ± 0.770
Sigma 7.353 ± 0.841
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 128
Mean x -16.87
Mean y -2.175
RMS x 16.52
RMS y 23.67
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 128
Mean x -1.854
Mean y -2.418
RMS x 9.698
RMS y 23.76
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 128
Mean 0.8049
RMS 0.09001
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 128
Mean 0.5932
RMS 0.1214
Underflow 0
Overflow 0