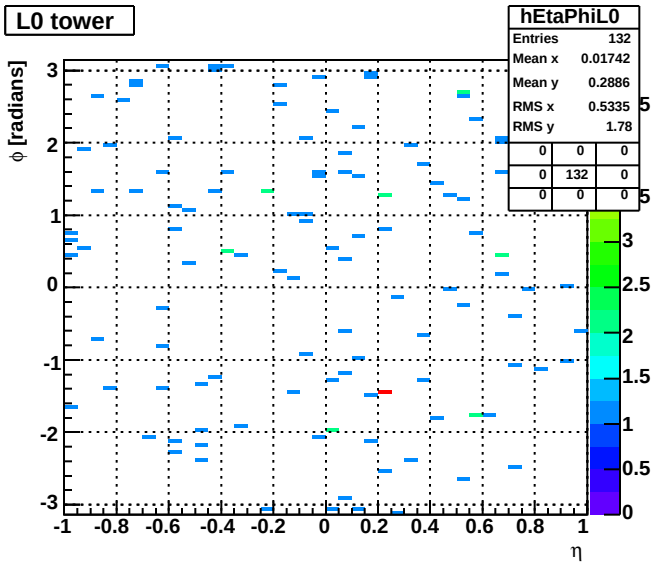
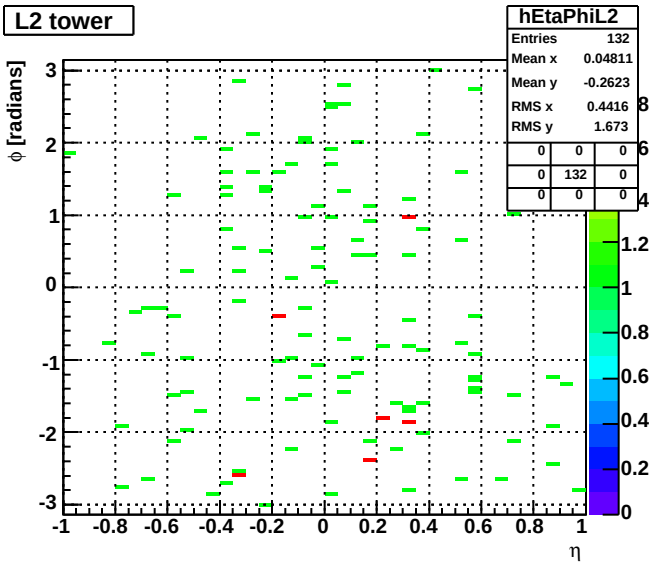
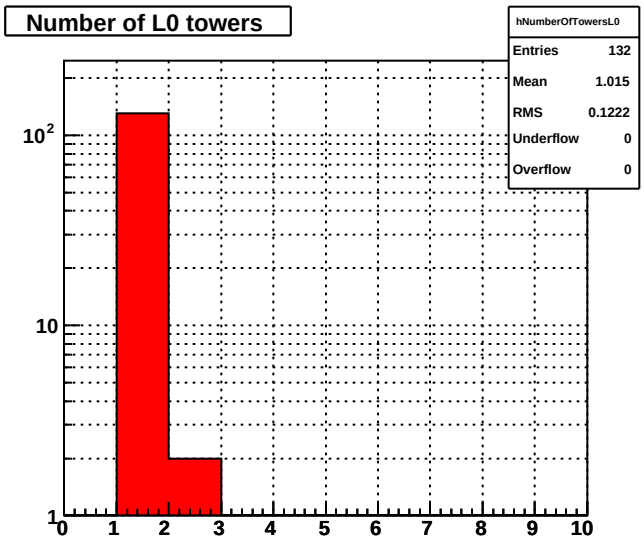
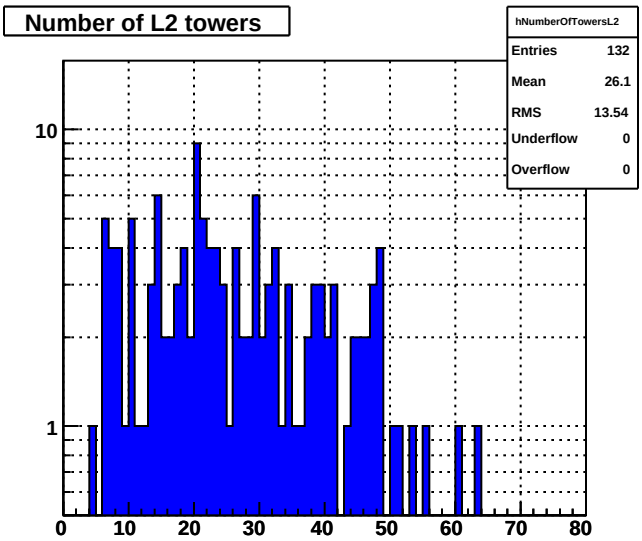
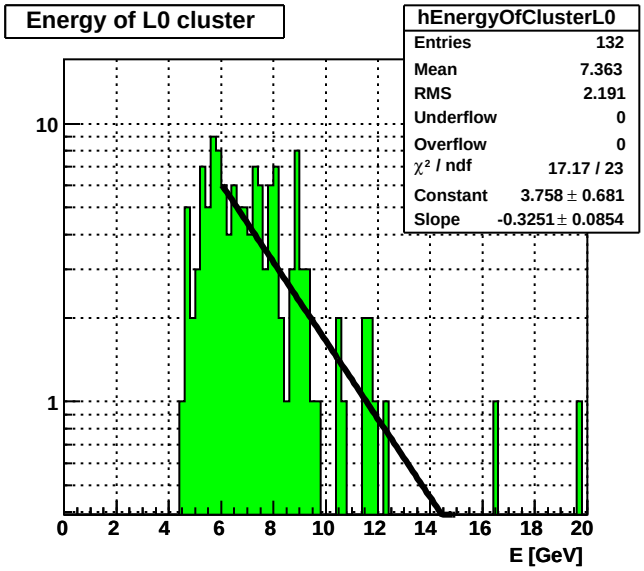
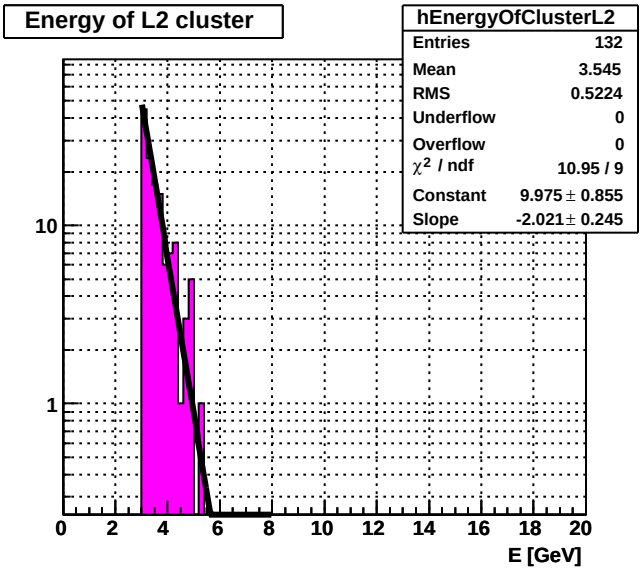

L0 tower
hEtaPhiL0
Entries 132
Mean x 0.01742
Mean y 0.2886
RMS x 0.5335
RMS y 1.78
φ [radians]
η

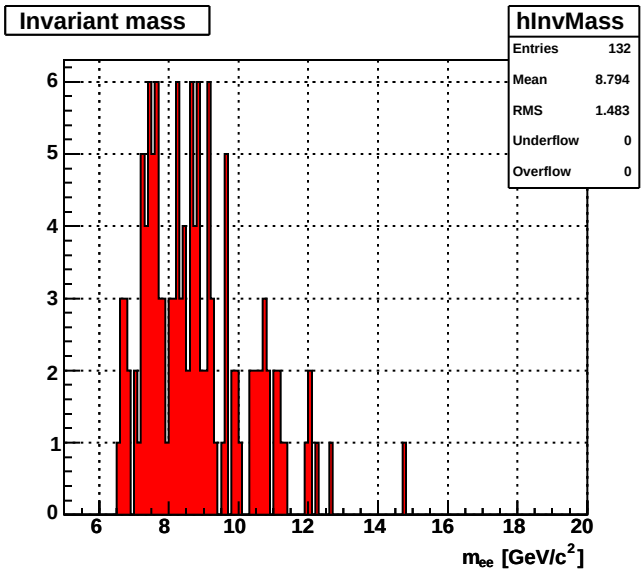

L2 tower
hEtaPhiL2
Entries 132
Mean x 0.04811
Mean y -0.2623
RMS x 0.4416
RMS y 1.673
φ [radians]
η

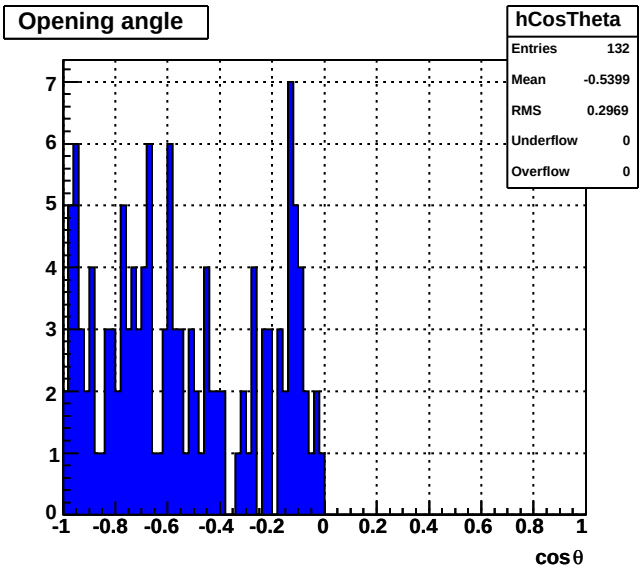

Number of L0 towers
hNumberOfTowersL0
Entries 132
Mean 1.015
RMS 0.1222
Underflow 0
Overflow 0

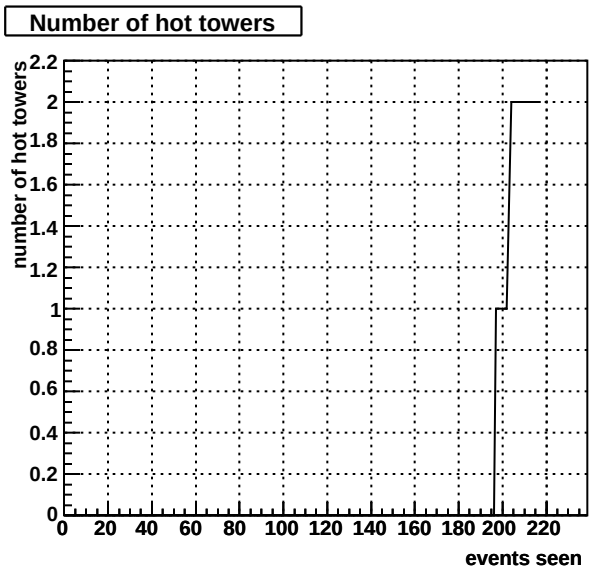

Number of L2 towers
hNumberOfTowersL2
Entries 132
Mean 26.1
RMS 13.54
Underflow 0
Overflow 0

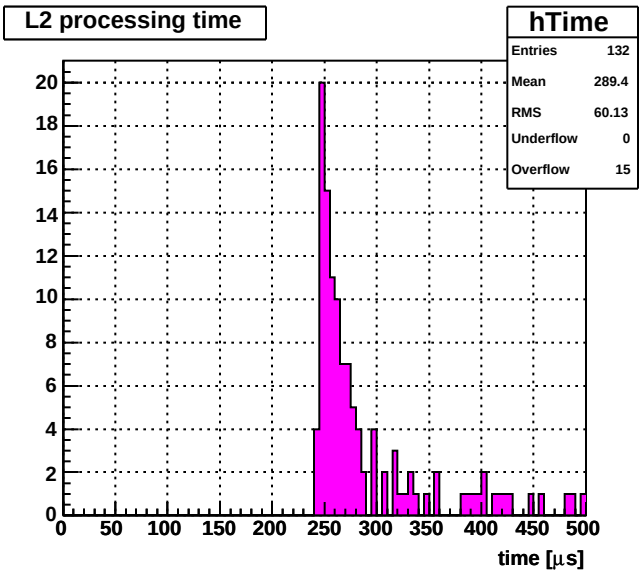

Energy of L0 cluster
hEnergyOfClusterL0
Entries 132
Mean 7.363
RMS 2.191
Underflow 0
Overflow 0
χ² / ndf 17.17 / 23
Constant 3.758 ± 0.681
Slope -0.3251 ± 0.0854
E [GeV]

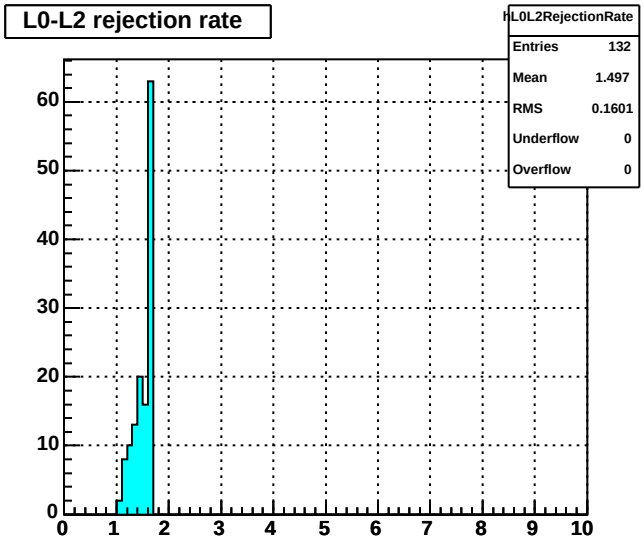

Energy of L2 cluster
hEnergyOfClusterL2
Entries 132
Mean 3.545
RMS 0.5224
Underflow 0
Overflow 0
χ² / ndf 10.95 / 9
Constant 9.975 ± 0.855
Slope -2.021 ± 0.245
E [GeV]

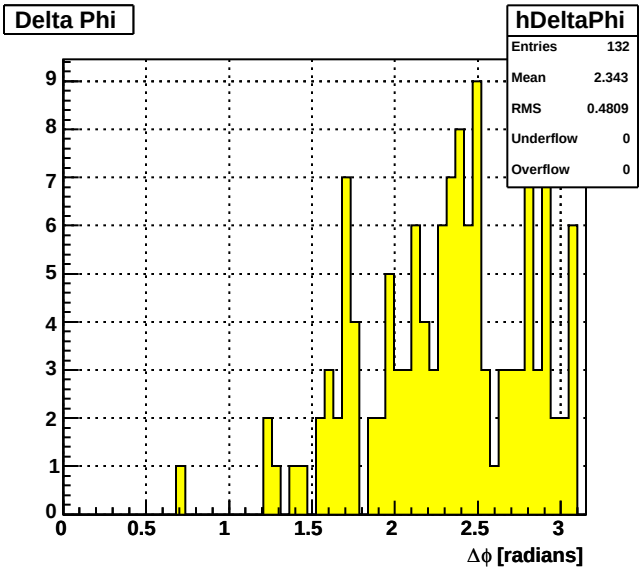

Invariant mass
hInvMass
Entries 132
Mean 8.794
RMS 1.483
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

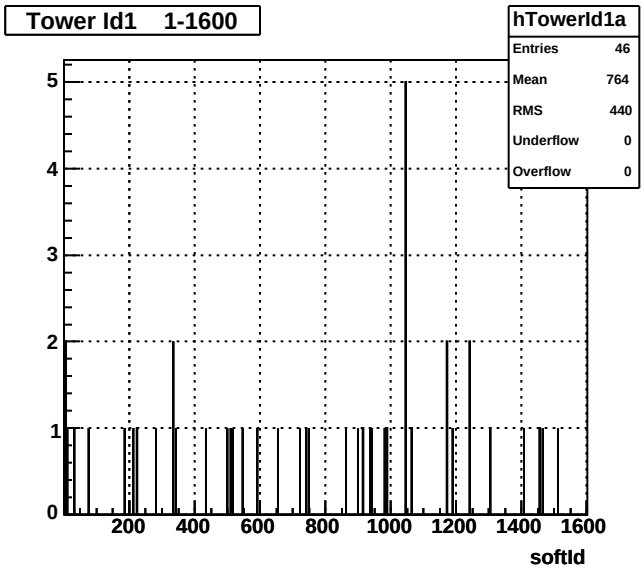

Opening angle
hCosTheta
Entries 132
Mean -0.5399
RMS 0.2969
Underflow 0
Overflow 0
cos θ

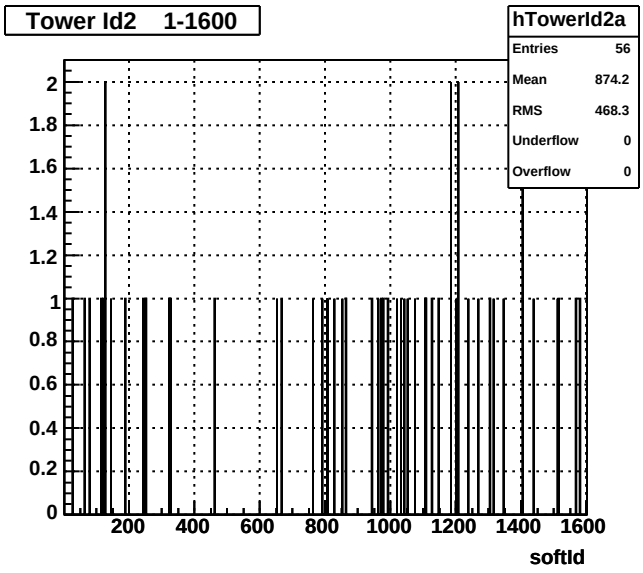

Number of hot towers
number of hot towers
events seen

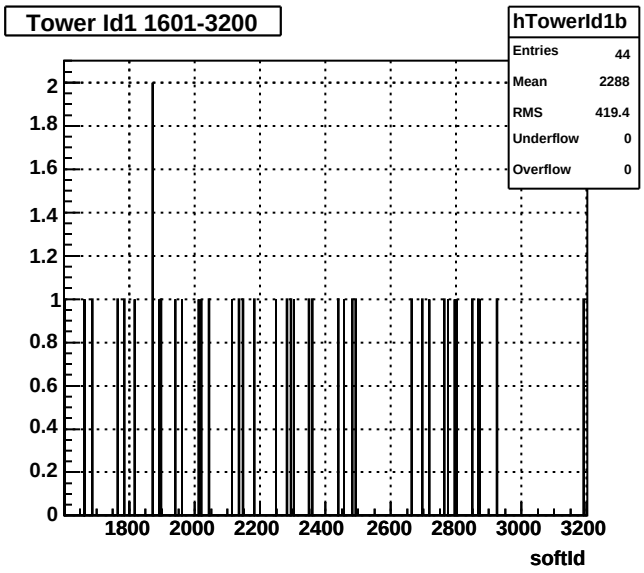

L2 processing time
hTime
Entries 132
Mean 289.4
RMS 60.13
Underflow 0
Overflow 15
time [μs]

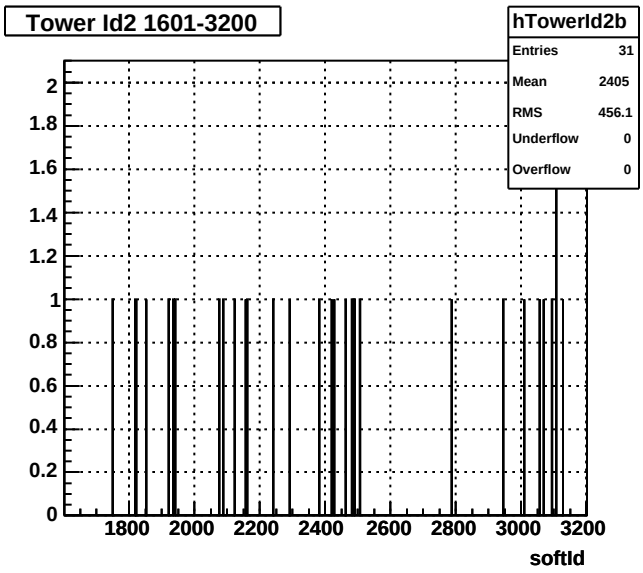

L0-L2 rejection rate
hL0L2RejectionRate
Entries 132
Mean 1.497
RMS 0.1601
Underflow 0
Overflow 0

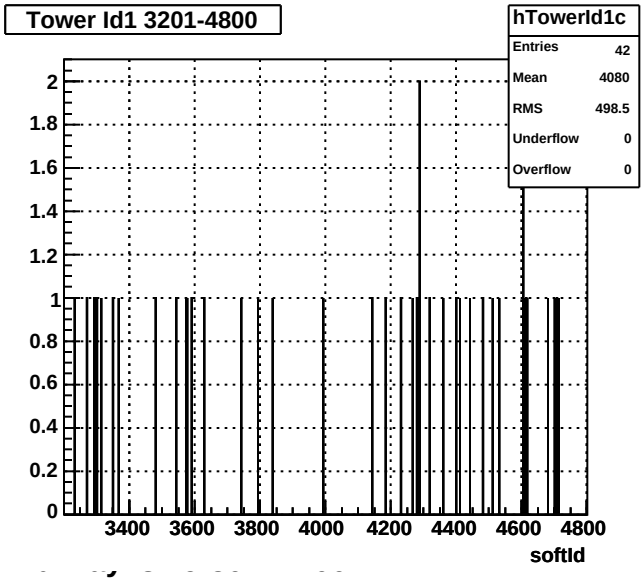

Delta Phi
hDeltaPhi
Entries 132
Mean 2.343
RMS 0.4809
Underflow 0
Overflow 0
Δφ [radians]

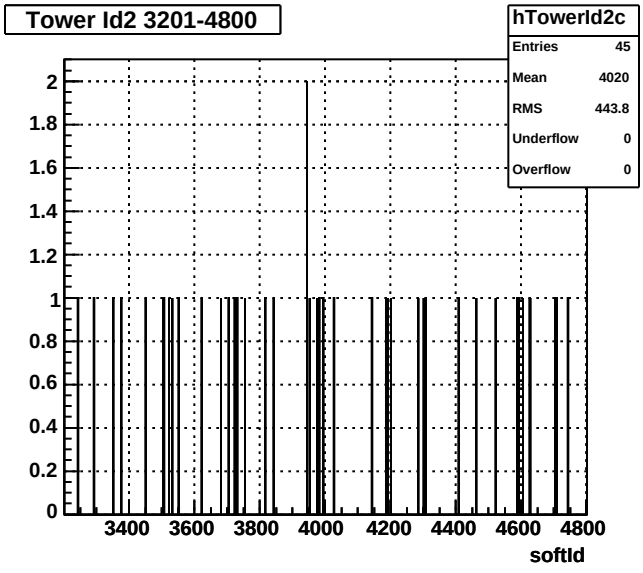

Tower Id1 1-1600
hTowerId1a
Entries 46
Mean 764
RMS 440
Underflow 0
Overflow 0
softId

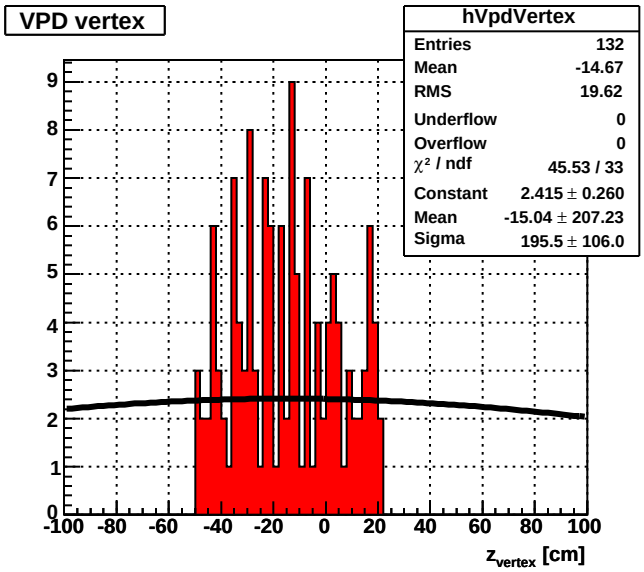

Tower Id2 1-1600
hTowerId2a
Entries 56
Mean 874.2
RMS 468.3
Underflow 0
Overflow 0
softId

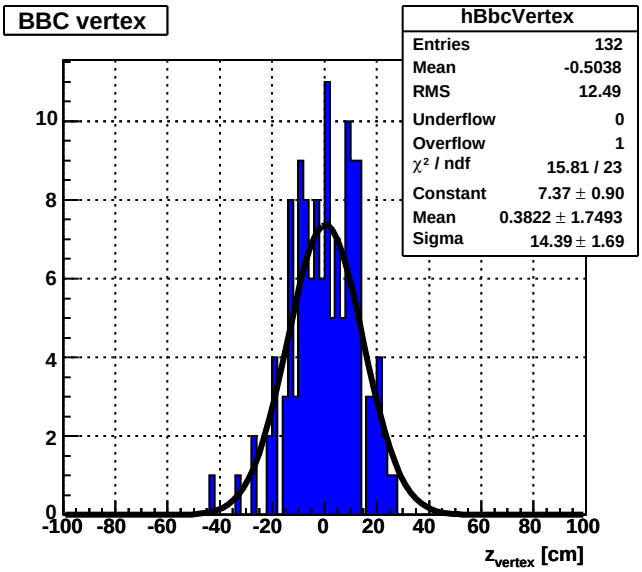

Tower Id1 1601-3200
hTowerId1b
Entries 44
Mean 2288
RMS 419.4
Underflow 0
Overflow 0
softId

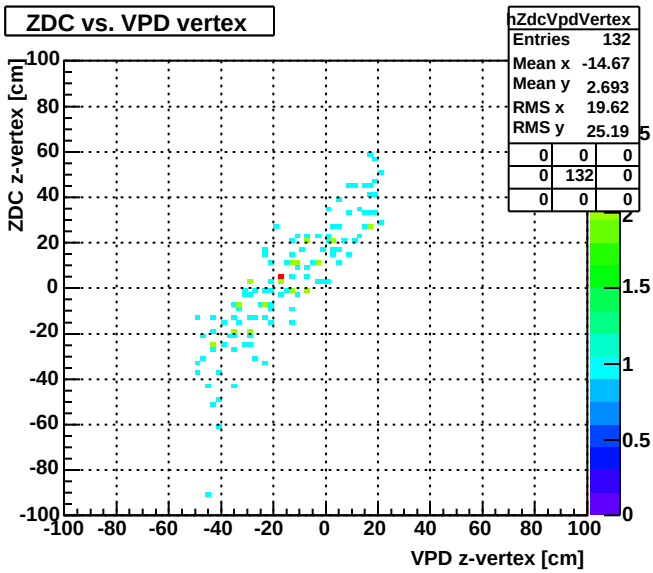

Tower Id2 1601-3200
hTowerId2b
Entries 31
Mean 2405
RMS 456.1
Underflow 0
Overflow 0
softId

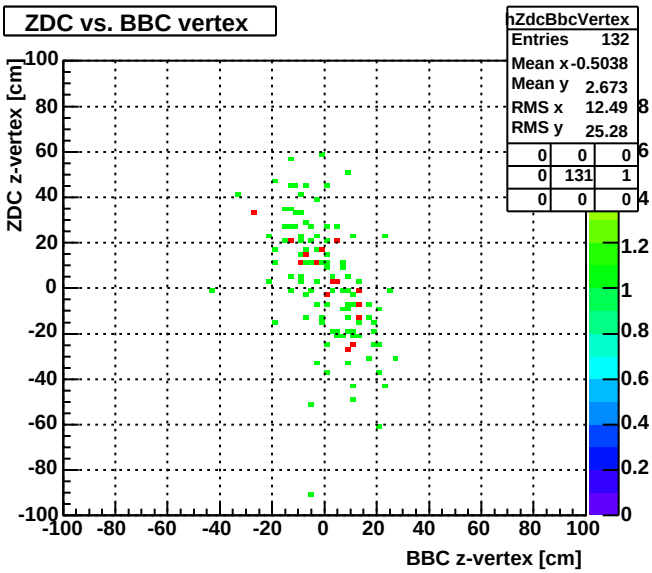

Tower Id1 3201-4800
hTowerId1c
Entries 42
Mean 4080
RMS 498.5
Underflow 0
Overflow 0
softId

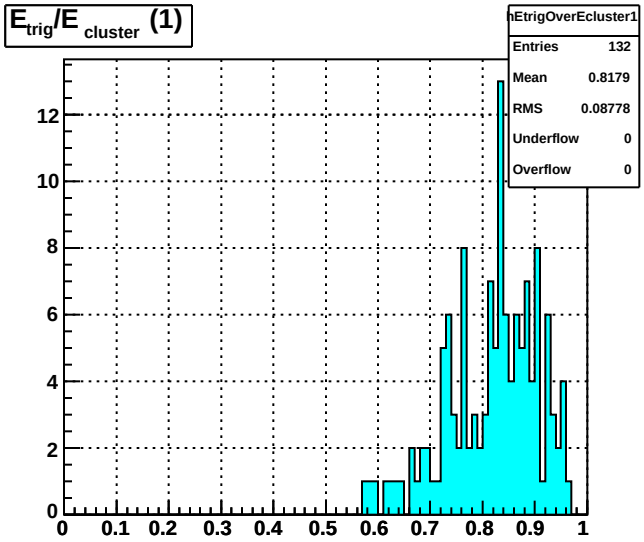

Tower Id2 3201-4800
hTowerId2c
Entries 45
Mean 4020
RMS 443.8
Underflow 0
Overflow 0
softId

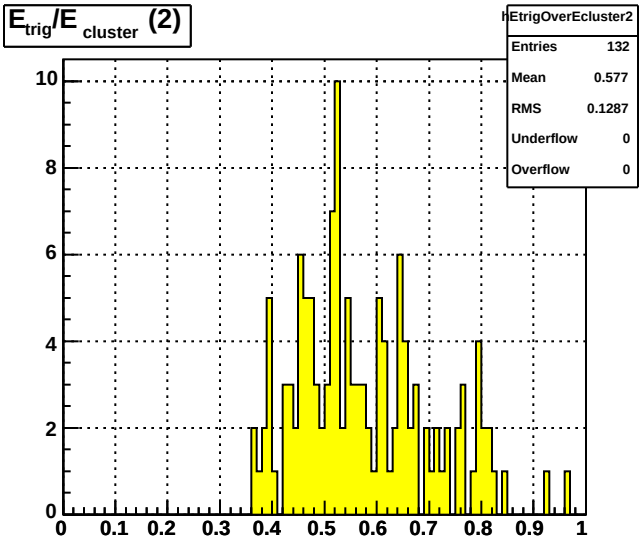

VPD vertex
hVpdVertex
Entries 132
Mean -14.67
RMS 19.62
Underflow 0
Overflow 0
χ² / ndf 45.53 / 33
Constant 2.415 ± 0.260
Mean -15.04 ± 207.23
Sigma 195.5 ± 106.0
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 132
Mean -0.5038
RMS 12.49
Underflow 0
Overflow 1
χ² / ndf 15.81 / 23
Constant 7.37 ± 0.90
Mean 0.3822 ± 1.7493
Sigma 14.39 ± 1.69
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 132
Mean x -14.67
Mean y 2.693
RMS x 19.62
RMS y 25.19
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 132
Mean x -0.5038
Mean y 2.673
RMS x 12.49
RMS y 25.28
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 132
Mean 0.8179
RMS 0.08778
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 132
Mean 0.577
RMS 0.1287
Underflow 0
Overflow 0