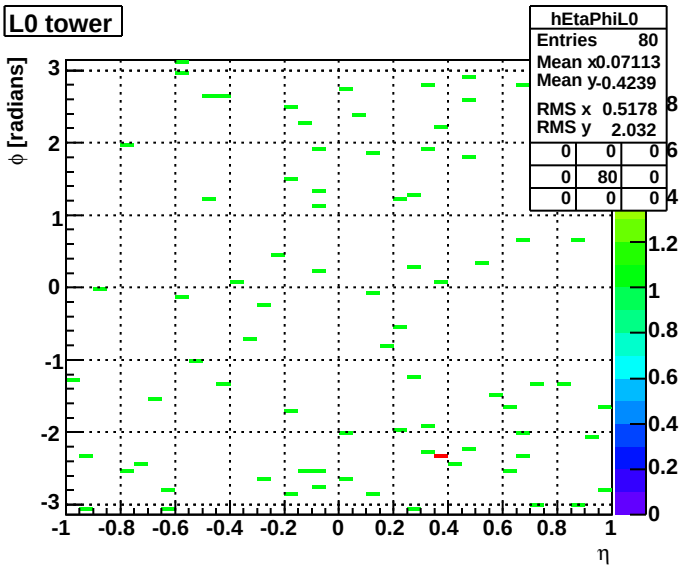
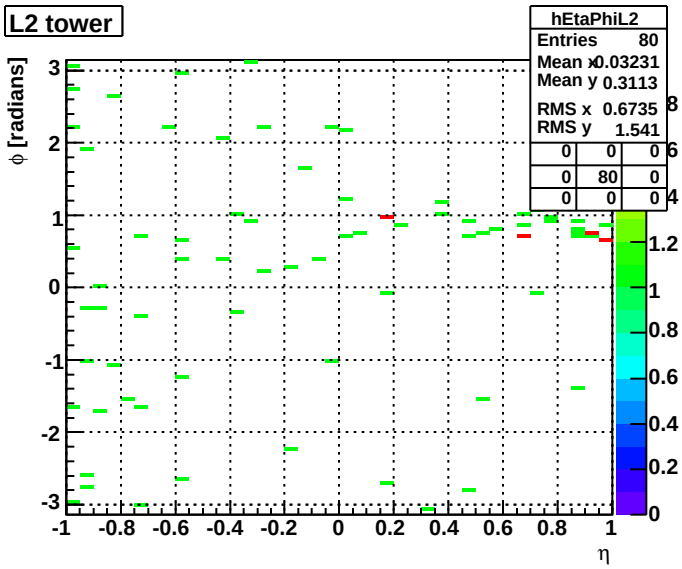
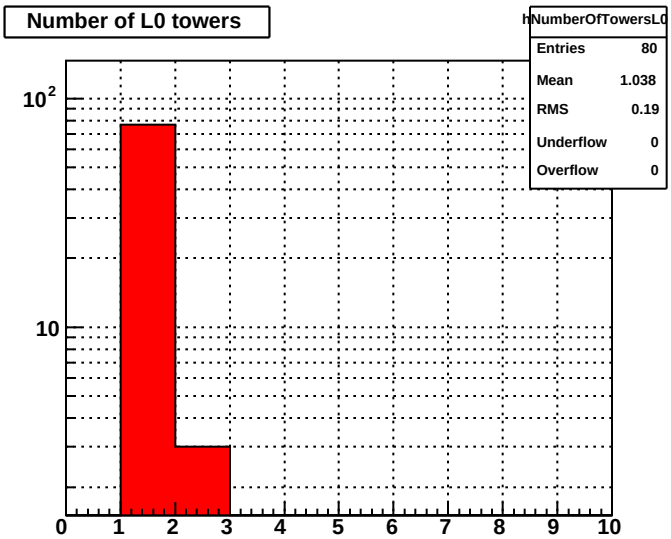
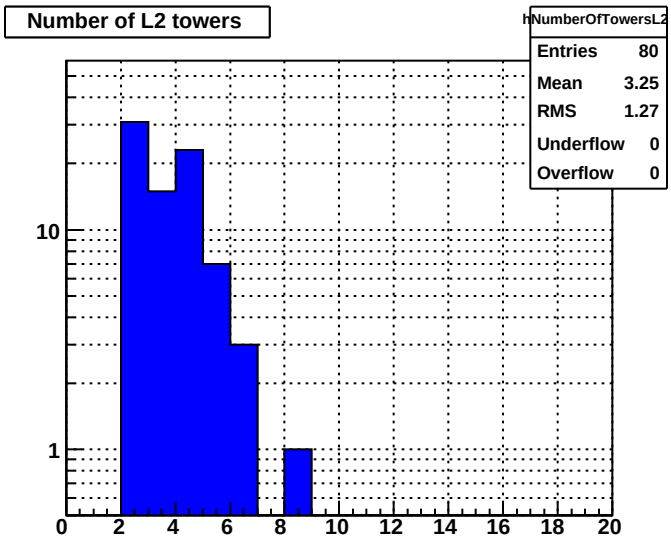
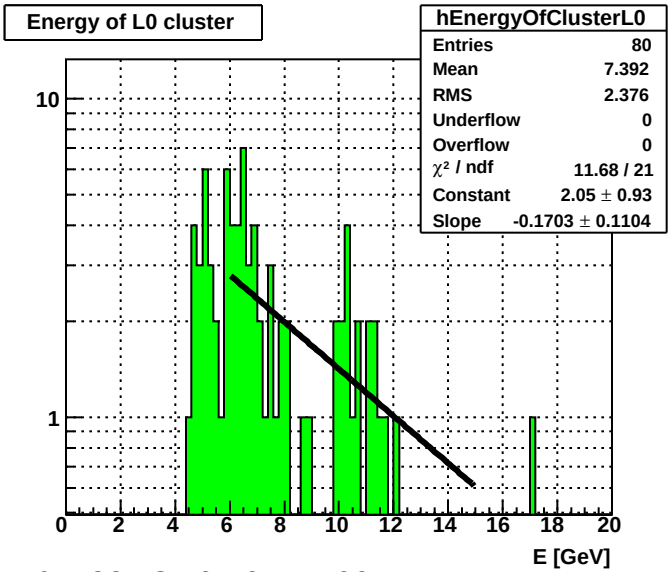
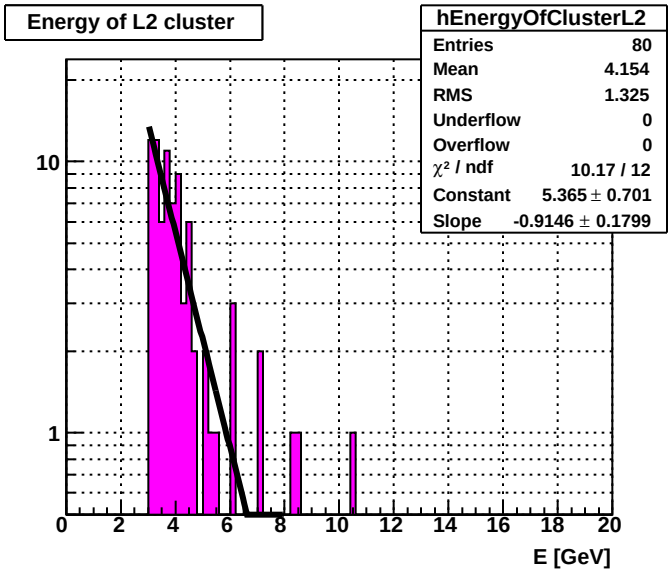

L0 tower
hEtaPhiL0
Entries 80
Mean x 0.07113
Mean y -0.4239
RMS x 0.5178
RMS y 2.032
φ [radians]
η

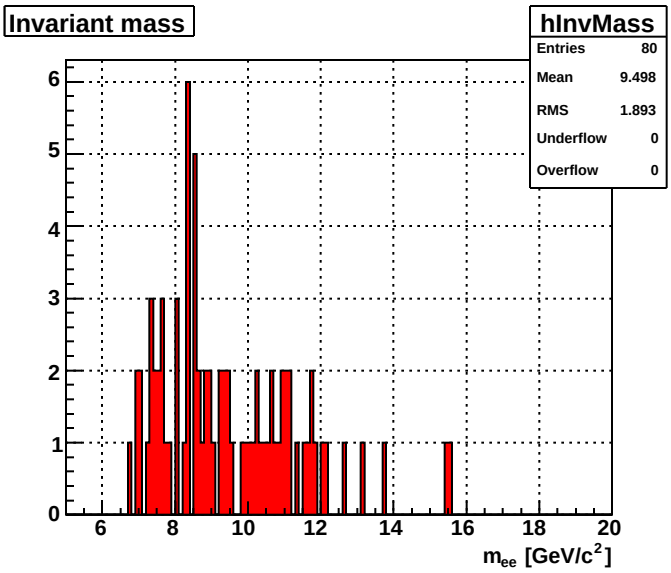

L2 tower
hEtaPhiL2
Entries 80
Mean x 0.03231
Mean y 0.3113
RMS x 0.6735
RMS y 1.541
φ [radians]
η

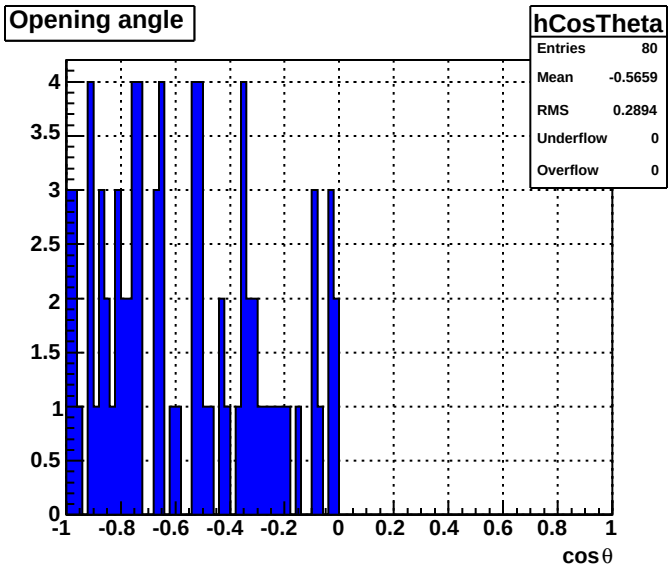

Number of L0 towers
hNumberOfTowersL0
Entries 80
Mean 1.038
RMS 0.19
Underflow 0
Overflow 0

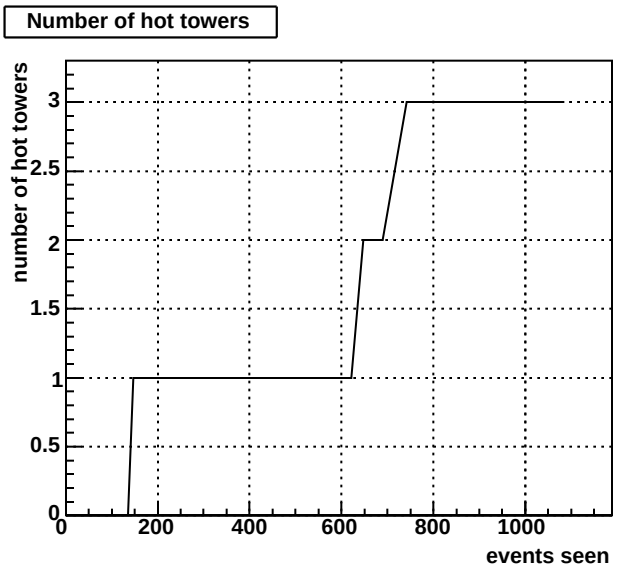

Number of L2 towers
hNumberOfTowersL2
Entries 80
Mean 3.25
RMS 1.27
Underflow 0
Overflow 0

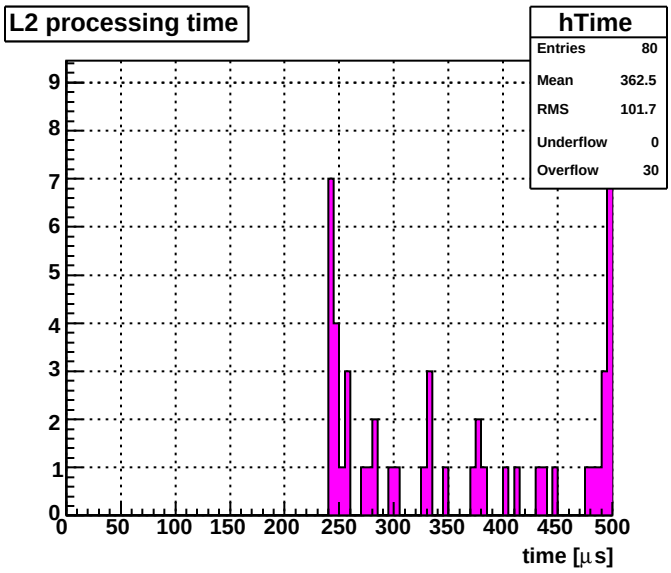

Energy of L0 cluster
hEnergyOfClusterL0
Entries 80
Mean 7.392
RMS 2.376
Underflow 0
Overflow 0
χ² / ndf 11.68 / 21
Constant 2.05 ± 0.93
Slope -0.1703 ± 0.1104
E [GeV]

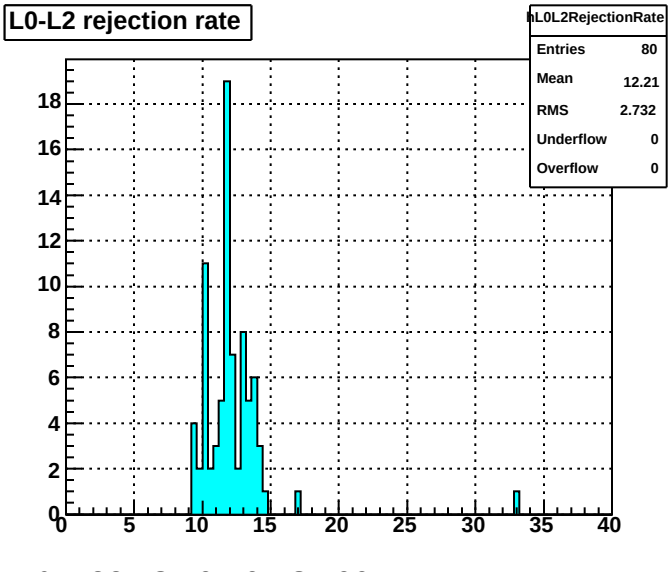

Energy of L2 cluster
hEnergyOfClusterL2
Entries 80
Mean 4.154
RMS 1.325
Underflow 0
Overflow 0
χ² / ndf 10.17 / 12
Constant 5.365 ± 0.701
Slope -0.9146 ± 0.1799
E [GeV]

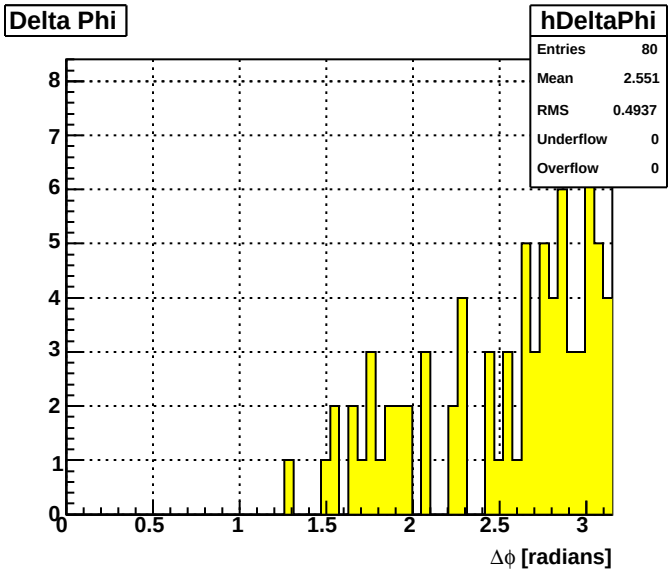

Invariant mass
hInvMass
Entries 80
Mean 9.498
RMS 1.893
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

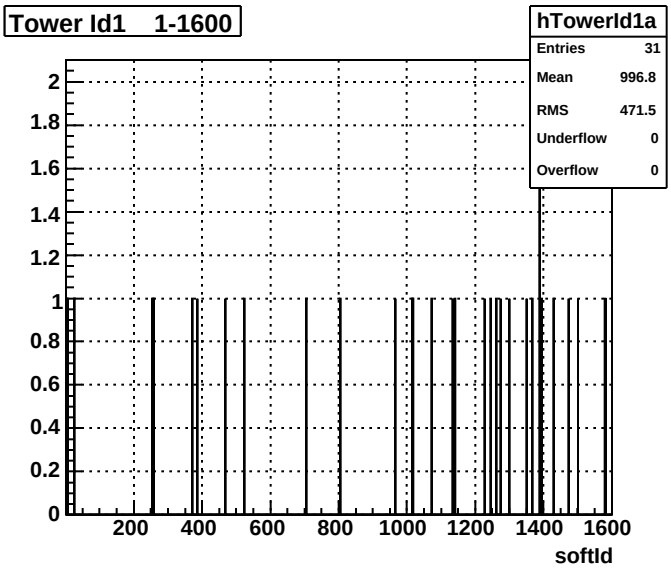

Opening angle
hCosTheta
Entries 80
Mean -0.5659
RMS 0.2894
Underflow 0
Overflow 0
cos θ

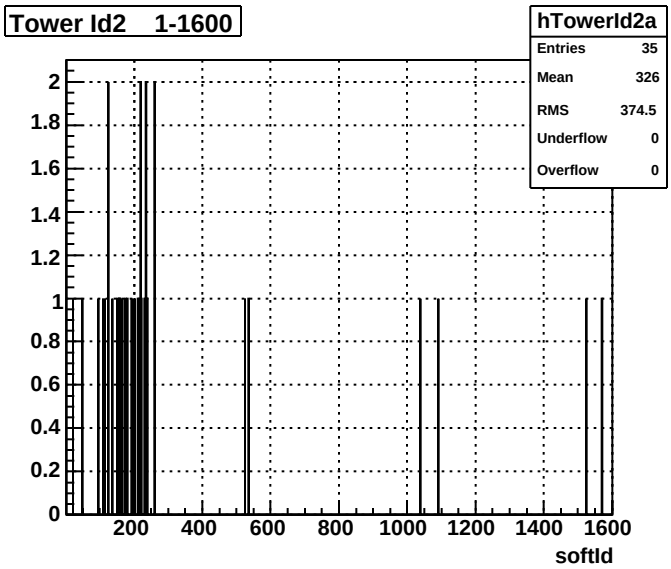

Number of hot towers
number of hot towers
events seen

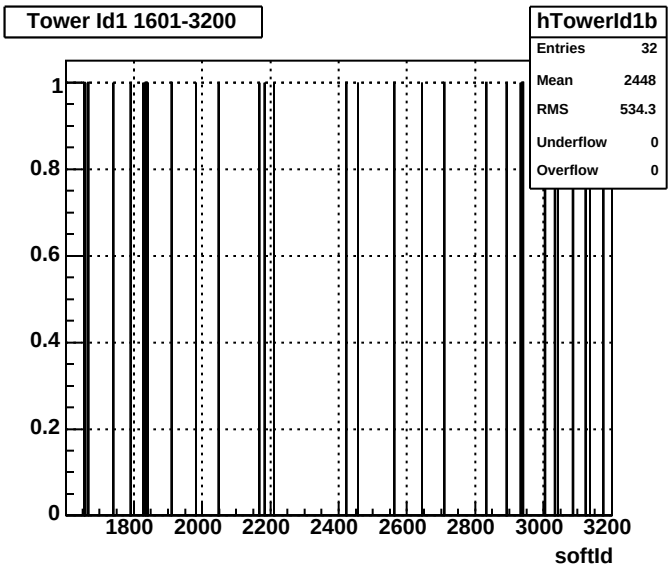

L2 processing time
hTime
Entries 80
Mean 362.5
RMS 101.7
Underflow 0
Overflow 30
time [μs]

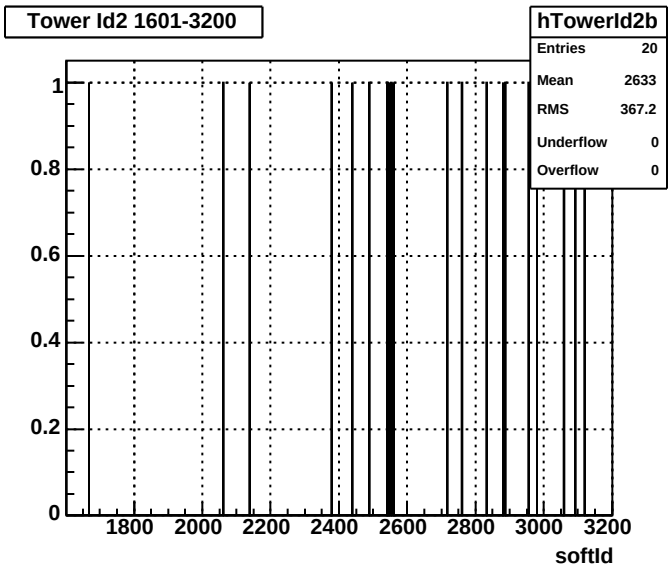

L0-L2 rejection rate
hL0L2RejectionRate
Entries 80
Mean 12.21
RMS 2.732
Underflow 0
Overflow 0

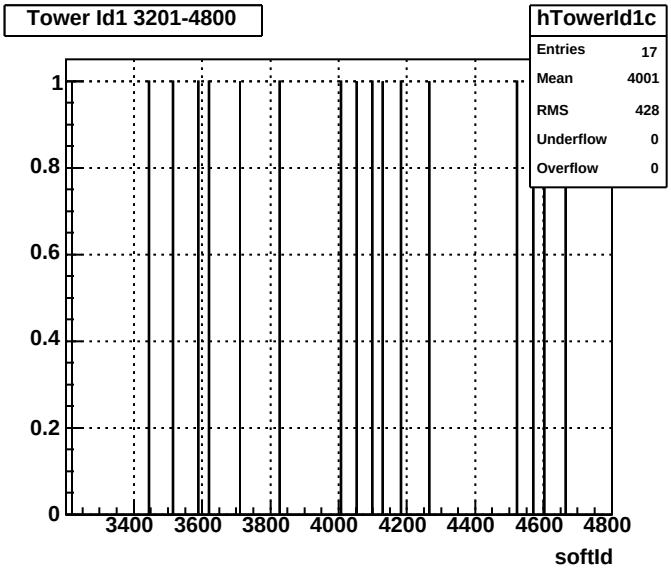

Delta Phi
hDeltaPhi
Entries 80
Mean 2.551
RMS 0.4937
Underflow 0
Overflow 0
Δφ [radians]

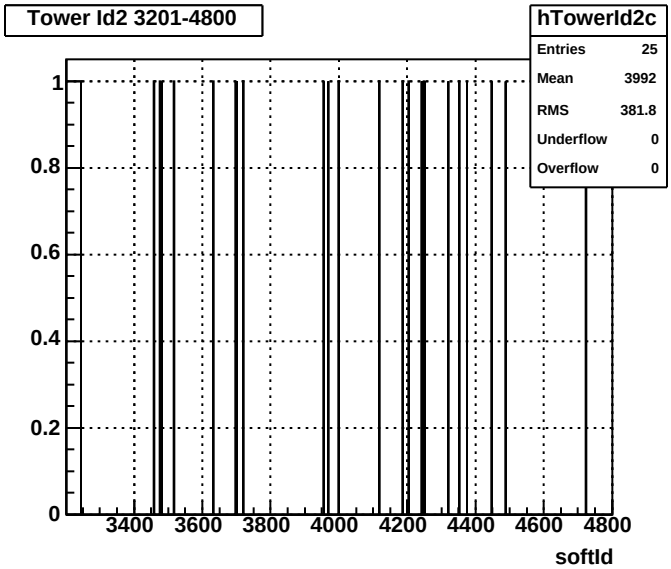

Tower Id1 1-1600
hTowerId1a
Entries 31
Mean 996.8
RMS 471.5
Underflow 0
Overflow 0
softId

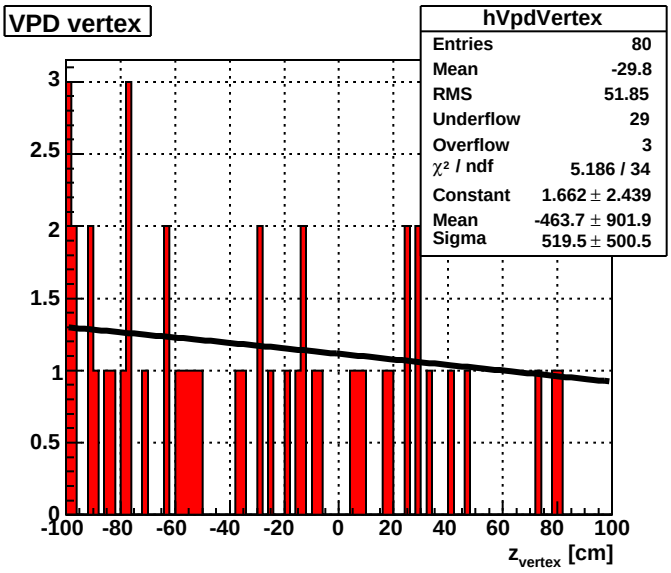

Tower Id2 1-1600
hTowerId2a
Entries 35
Mean 326
RMS 374.5
Underflow 0
Overflow 0
softId

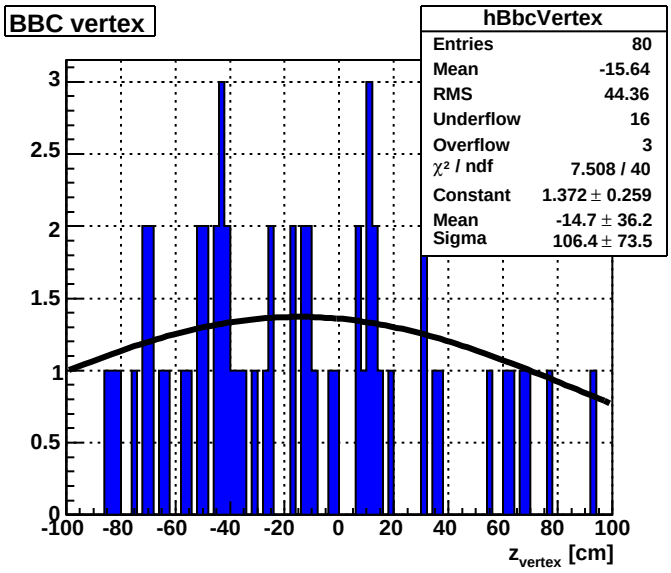

Tower Id1 1601-3200
hTowerId1b
Entries 32
Mean 2448
RMS 534.3
Underflow 0
Overflow 0
softId

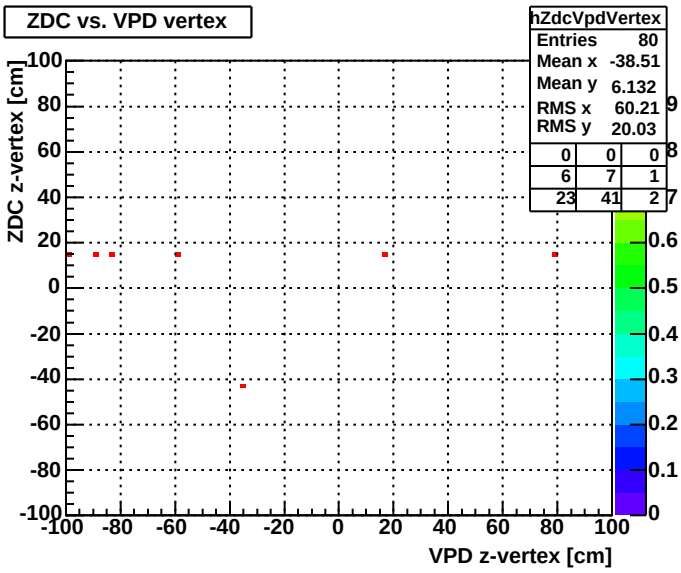

Tower Id2 1601-3200
hTowerId2b
Entries 20
Mean 2633
RMS 367.2
Underflow 0
Overflow 0
softId

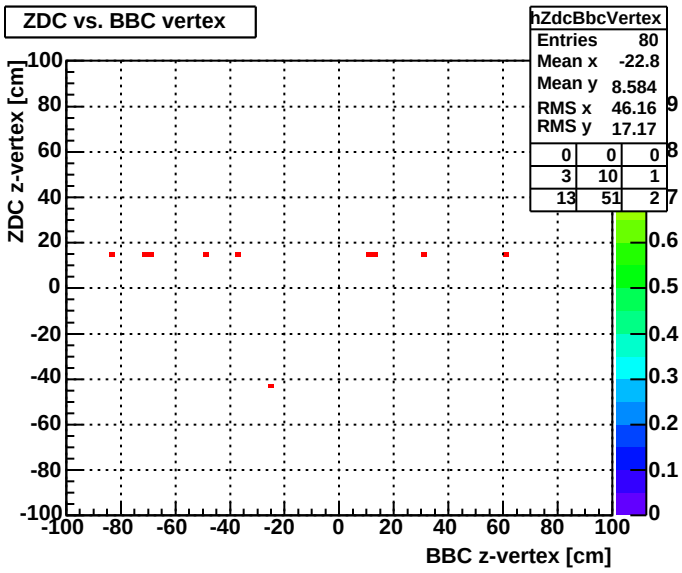

Tower Id1 3201-4800
hTowerId1c
Entries 17
Mean 4001
RMS 428
Underflow 0
Overflow 0
softId

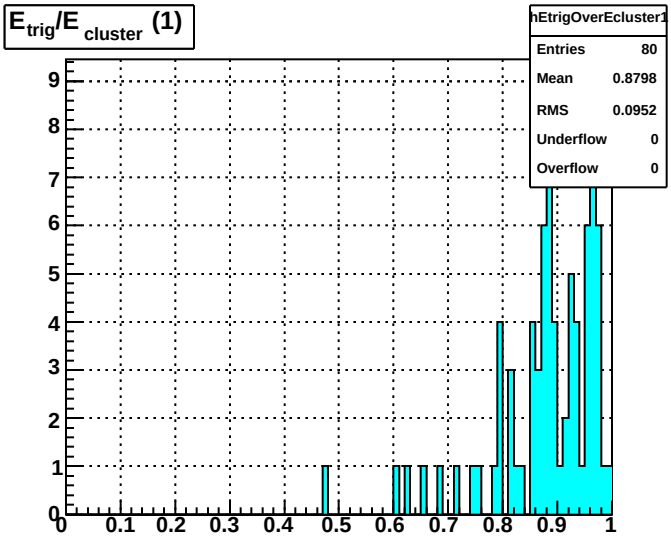

Tower Id2 3201-4800
hTowerId2c
Entries 25
Mean 3992
RMS 381.8
Underflow 0
Overflow 0
softId

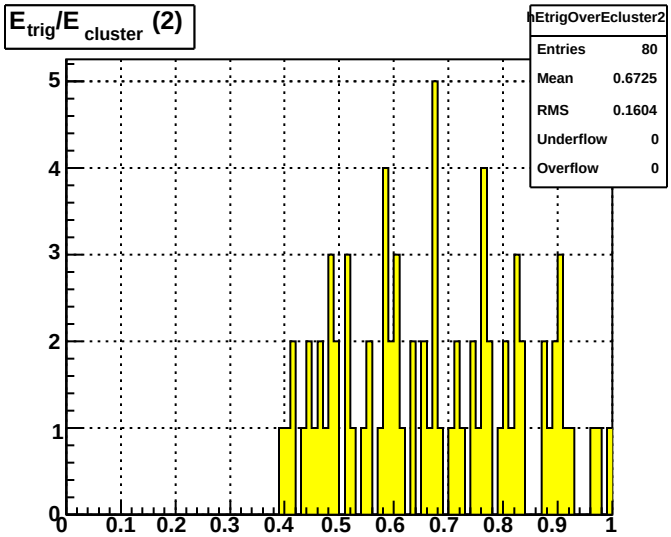

VPD vertex
hVpdVertex
Entries 80
Mean -29.8
RMS 51.85
Underflow 29
Overflow 3
χ² / ndf 5.186 / 34
Constant 1.662 ± 2.439
Mean -463.7 ± 901.9
Sigma 519.5 ± 500.5
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 80
Mean -15.64
RMS 44.36
Underflow 16
Overflow 3
χ² / ndf 7.508 / 40
Constant 1.372 ± 0.259
Mean -14.7 ± 36.2
Sigma 106.4 ± 73.5
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 80
Mean x -38.51
Mean y 6.132
RMS x 60.21
RMS y 20.03
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 80
Mean x -22.8
Mean y 8.584
RMS x 46.16
RMS y 17.17
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 80
Mean 0.8798
RMS 0.0952
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 80
Mean 0.6725
RMS 0.1604
Underflow 0
Overflow 0