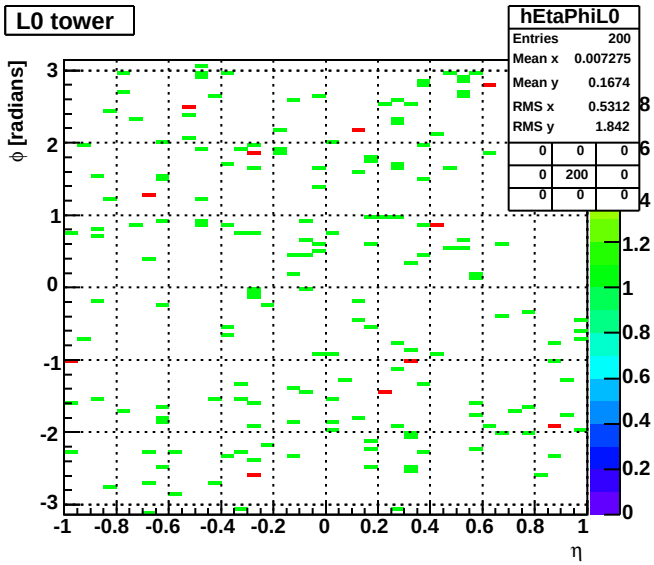
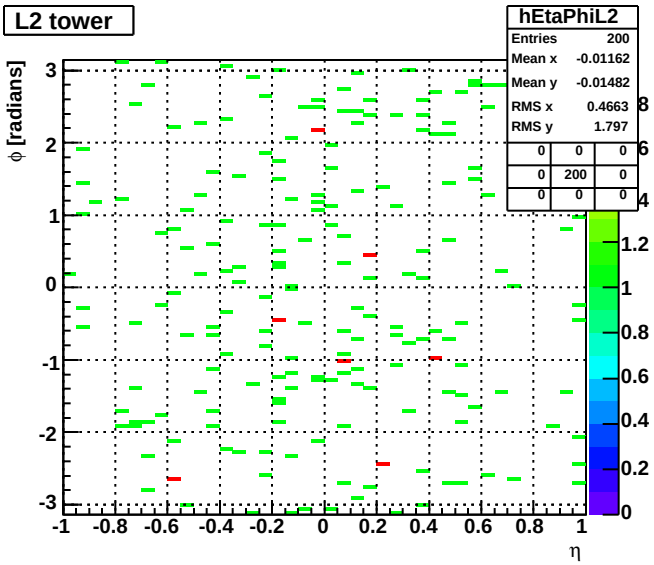
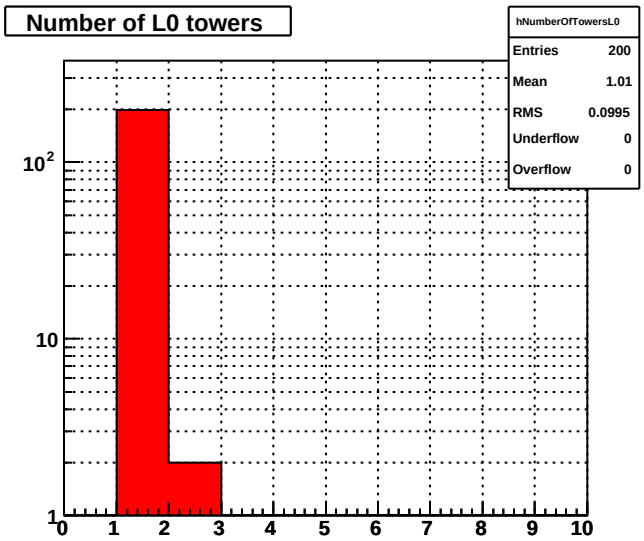
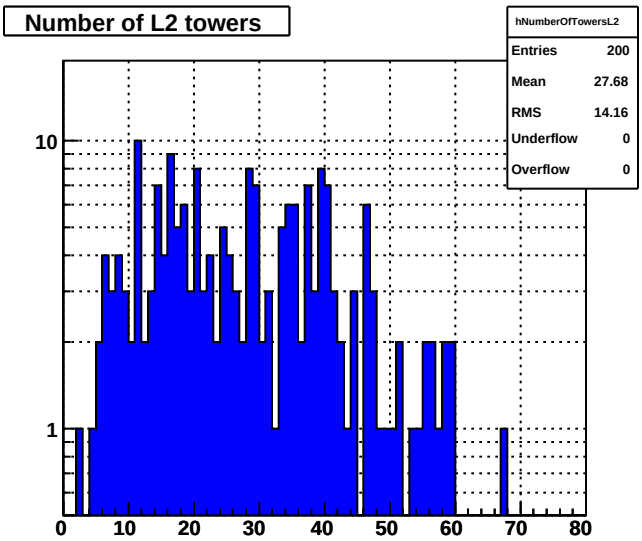
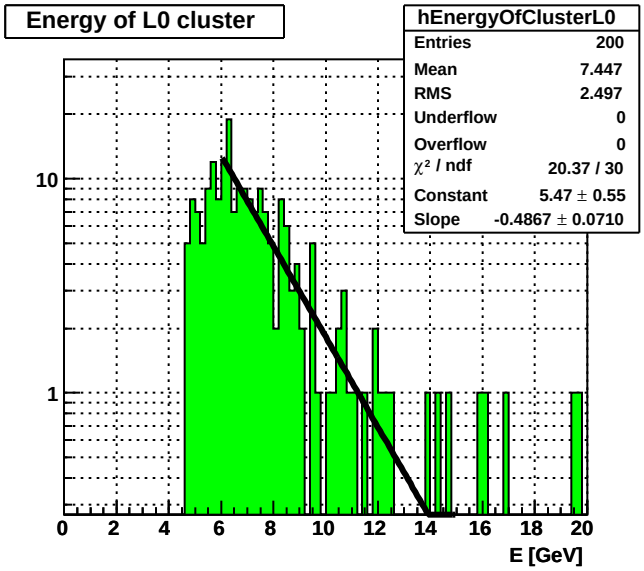
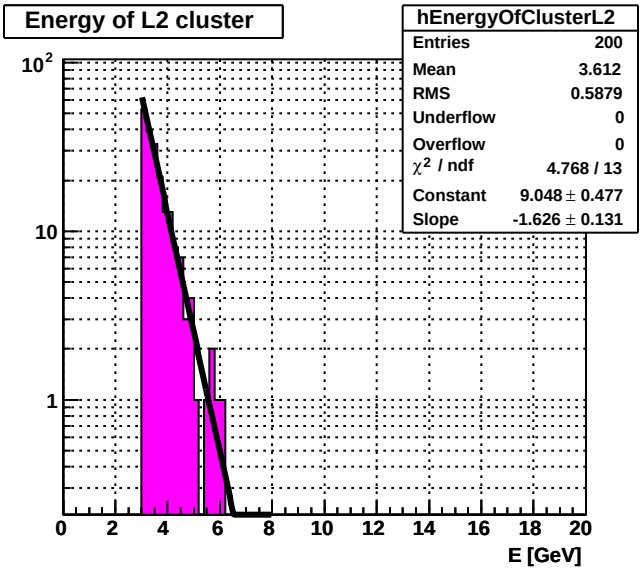

L0 tower
hEtaPhiL0
Entries 200
Mean x 0.007275
Mean y 0.1674
RMS x 0.5312
RMS y 1.842
φ [radians]
η

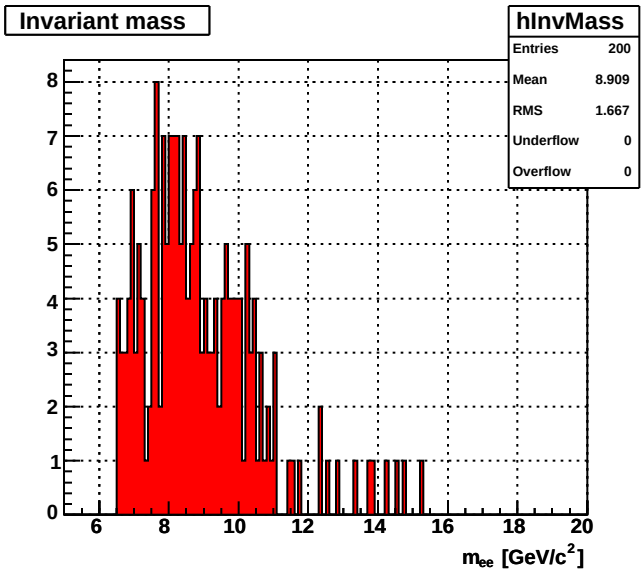

L2 tower
hEtaPhiL2
Entries 200
Mean x -0.01162
Mean y -0.01482
RMS x 0.4663
RMS y 1.797
φ [radians]
η

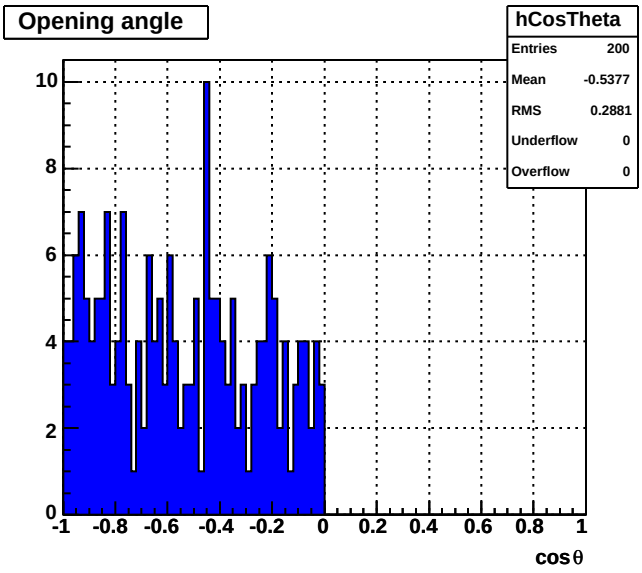

Number of L0 towers
hNumberOfTowersL0
Entries 200
Mean 1.01
RMS 0.0995
Underflow 0
Overflow 0

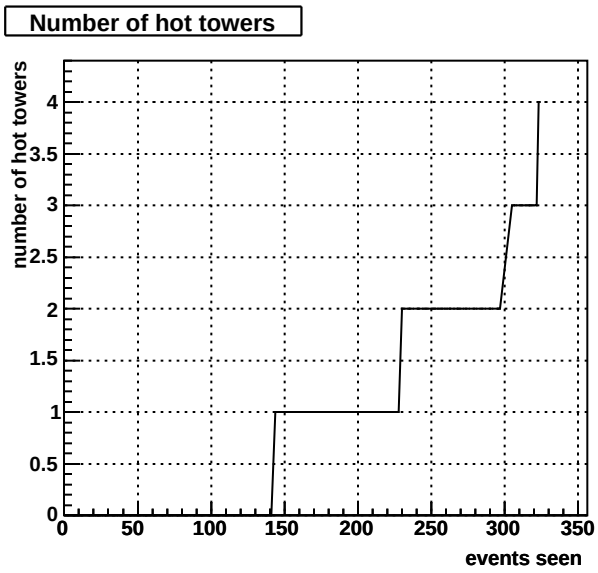

Number of L2 towers
hNumberOfTowersL2
Entries 200
Mean 27.68
RMS 14.16
Underflow 0
Overflow 0

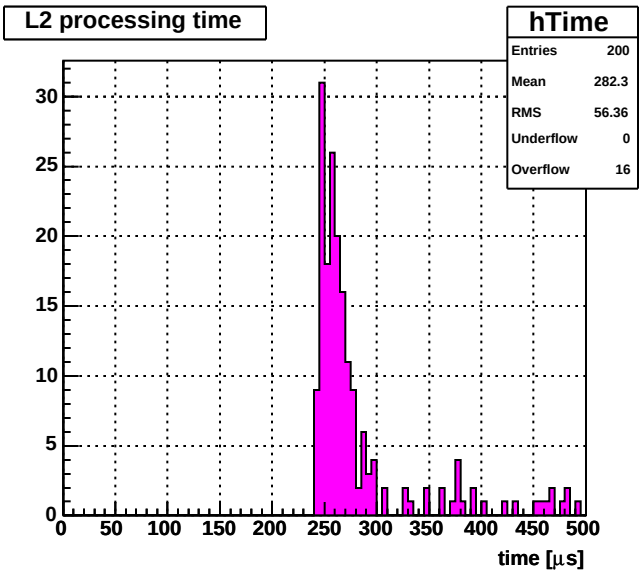

Energy of L0 cluster
hEnergyOfClusterL0
Entries 200
Mean 7.447
RMS 2.497
Underflow 0
Overflow 0
χ² / ndf 20.37 / 30
Constant 5.47 ± 0.55
Slope -0.4867 ± 0.0710
E [GeV]

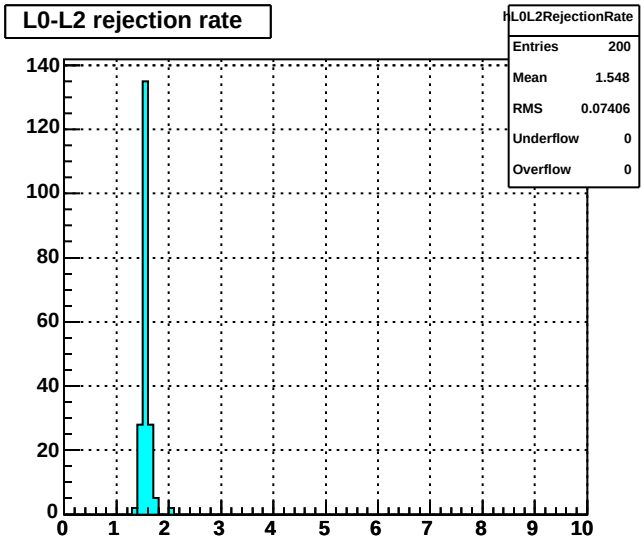

Energy of L2 cluster
hEnergyOfClusterL2
Entries 200
Mean 3.612
RMS 0.5879
Underflow 0
Overflow 0
χ² / ndf 4.768 / 13
Constant 9.048 ± 0.477
Slope -1.626 ± 0.131
E [GeV]

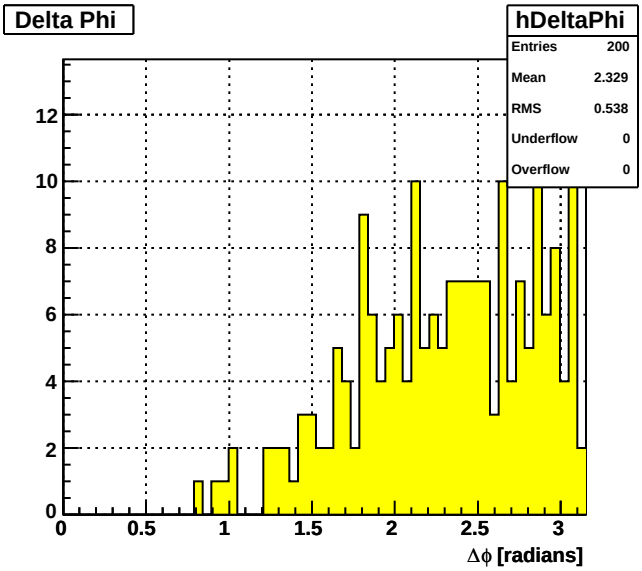

Invariant mass
hInvMass
Entries 200
Mean 8.909
RMS 1.667
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

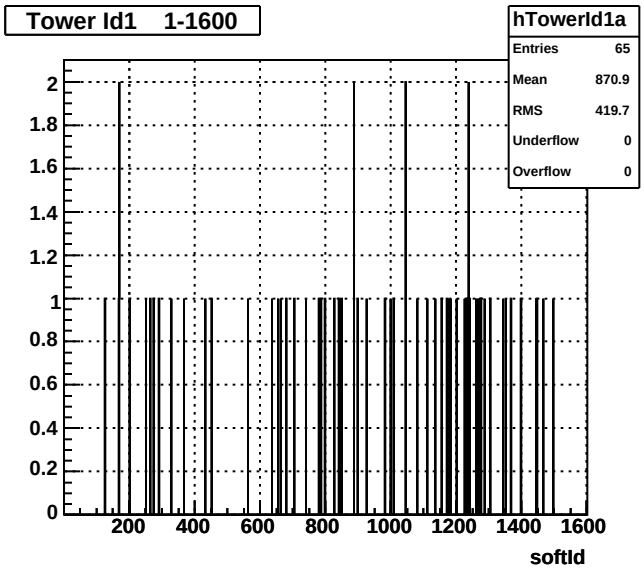

Opening angle
hCosTheta
Entries 200
Mean -0.5377
RMS 0.2881
Underflow 0
Overflow 0
cos θ

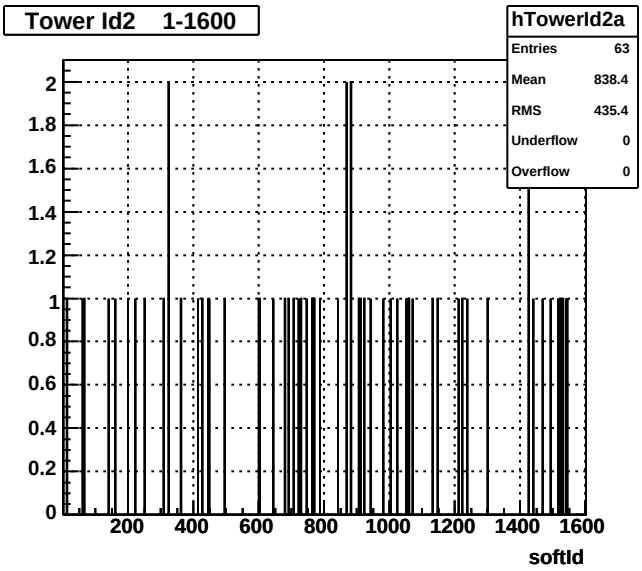

Number of hot towers
number of hot towers
events seen

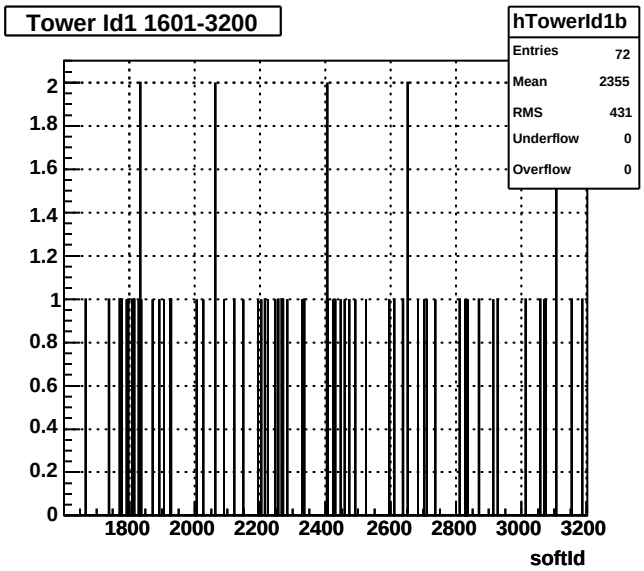

L2 processing time
hTime
Entries 200
Mean 282.3
RMS 56.36
Underflow 0
Overflow 16
time [μs]

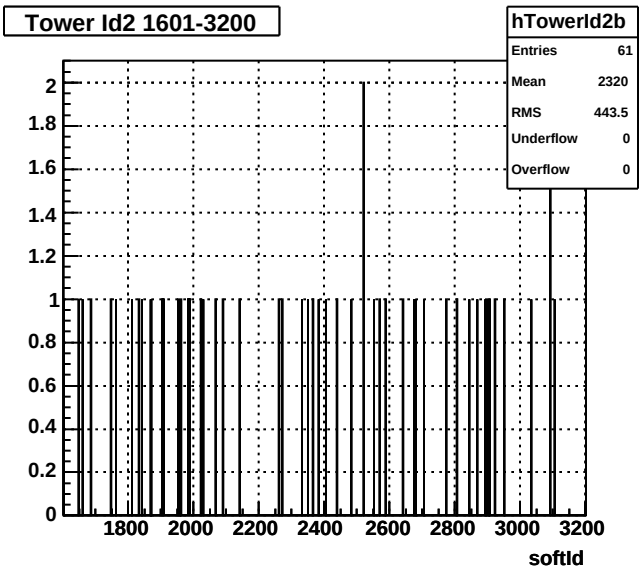

L0-L2 rejection rate
hL0L2RejectionRate
Entries 200
Mean 1.548
RMS 0.07406
Underflow 0
Overflow 0

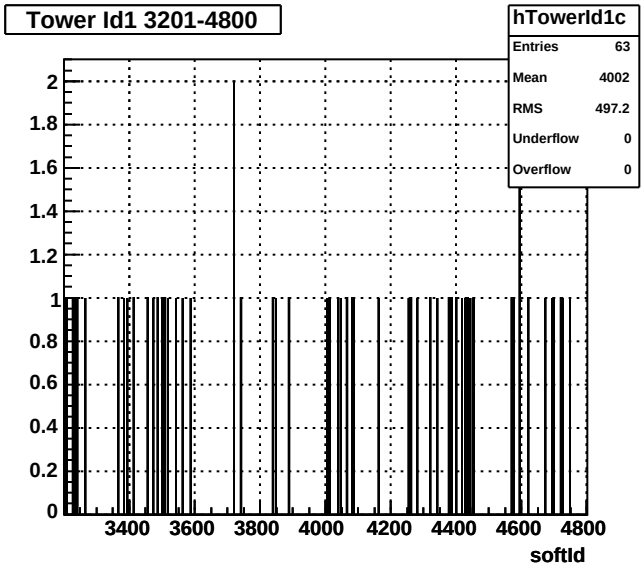

Delta Phi
hDeltaPhi
Entries 200
Mean 2.329
RMS 0.538
Underflow 0
Overflow 0
Δφ [radians]

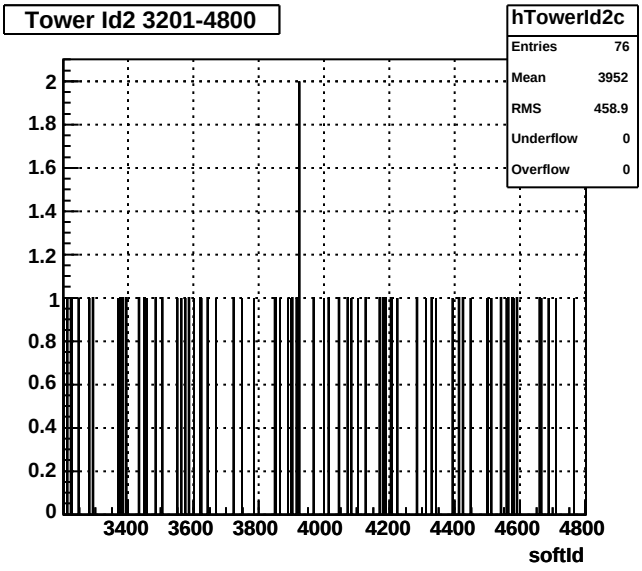

Tower Id1 1-1600
hTowerId1a
Entries 65
Mean 870.9
RMS 419.7
Underflow 0
Overflow 0
softId

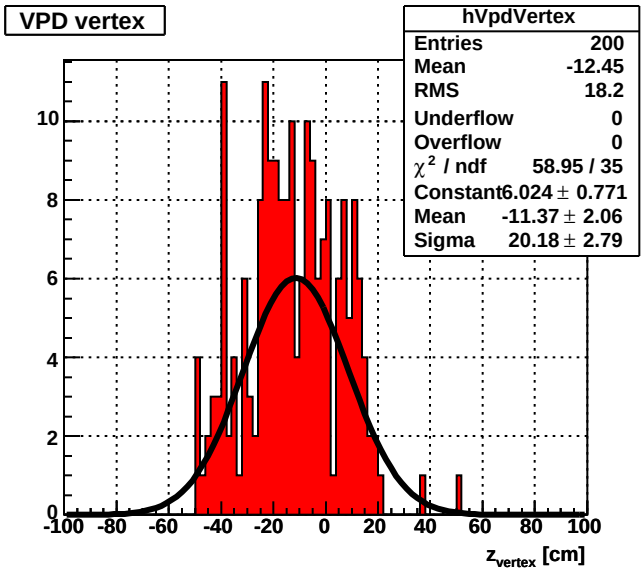

Tower Id2 1-1600
hTowerId2a
Entries 63
Mean 838.4
RMS 435.4
Underflow 0
Overflow 0
softId

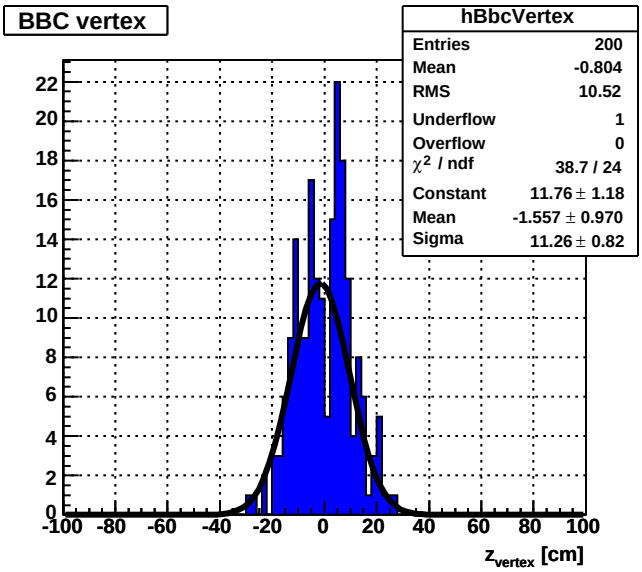

Tower Id1 1601-3200
hTowerId1b
Entries 72
Mean 2355
RMS 431
Underflow 0
Overflow 0
softId

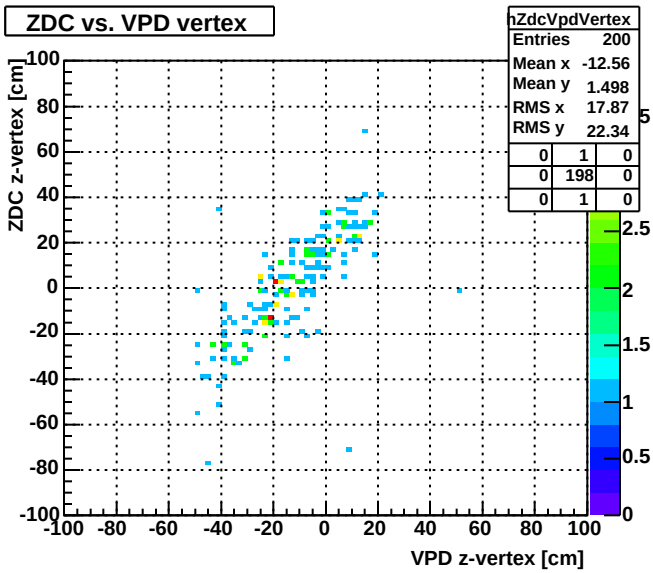

Tower Id2 1601-3200
hTowerId2b
Entries 61
Mean 2320
RMS 443.5
Underflow 0
Overflow 0
softId

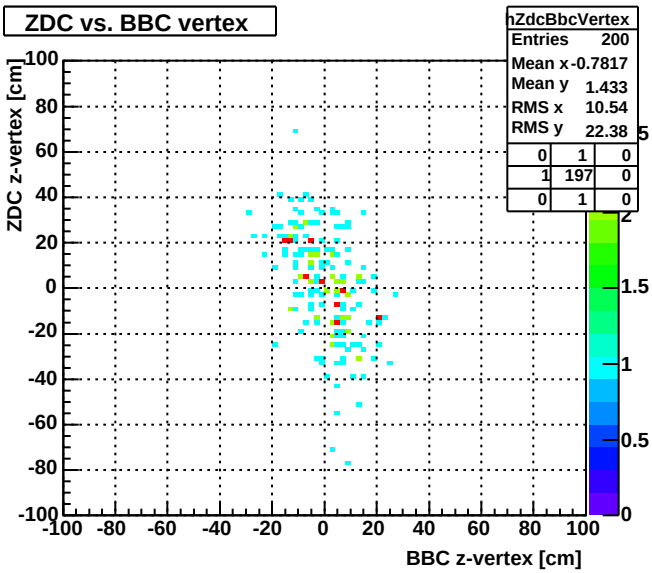

Tower Id1 3201-4800
hTowerId1c
Entries 63
Mean 4002
RMS 497.2
Underflow 0
Overflow 0
softId

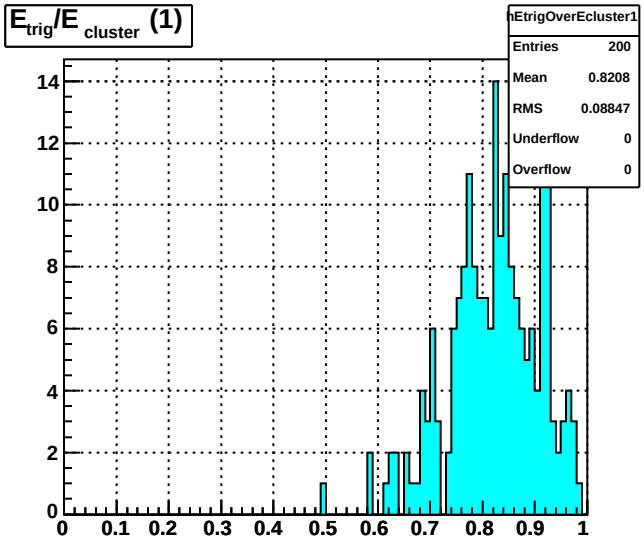

Tower Id2 3201-4800
hTowerId2c
Entries 76
Mean 3952
RMS 458.9
Underflow 0
Overflow 0
softId

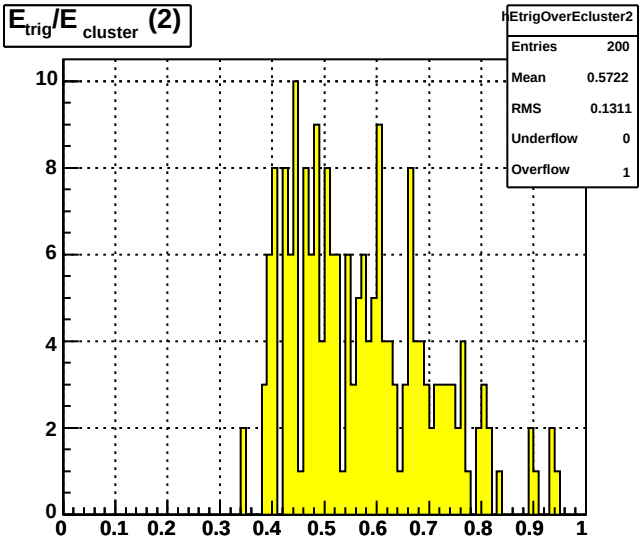

VPD vertex
hVpdVertex
Entries 200
Mean -12.45
RMS 18.2
Underflow 0
Overflow 0
χ² / ndf 58.95 / 35
Constant 6.024 ± 0.771
Mean -11.37 ± 2.06
Sigma 20.18 ± 2.79
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 200
Mean -0.804
RMS 10.52
Underflow 1
Overflow 0
χ² / ndf 38.7 / 24
Constant 11.76 ± 1.18
Mean -1.557 ± 0.970
Sigma 11.26 ± 0.82
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 200
Mean x -12.56
Mean y 1.498
RMS x 17.87
RMS y 22.34
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 200
Mean x -0.7817
Mean y 1.433
RMS x 10.54
RMS y 22.38
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 200
Mean 0.8208
RMS 0.08847
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 200
Mean 0.5722
RMS 0.1311
Underflow 0
Overflow 1