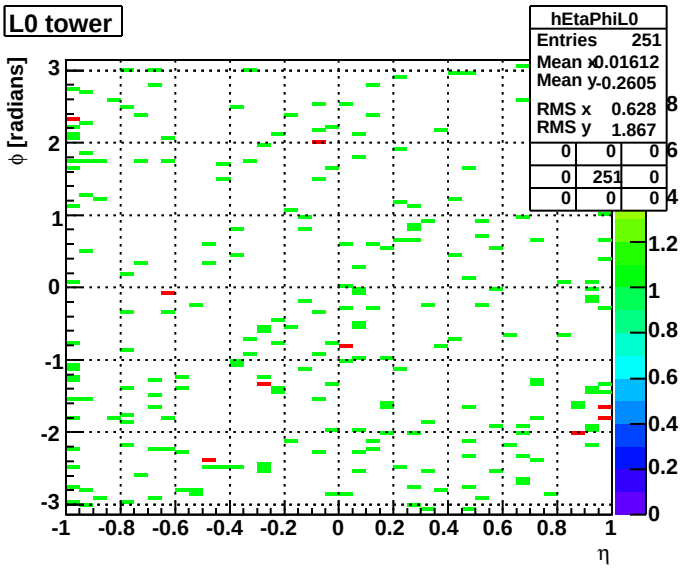
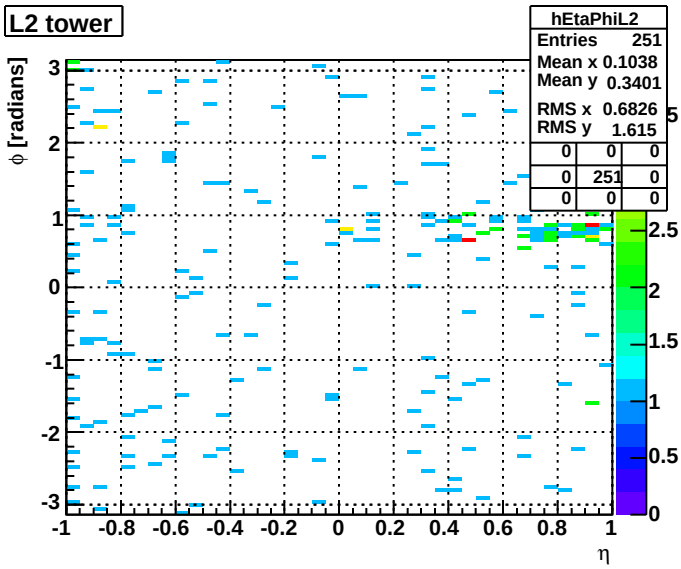
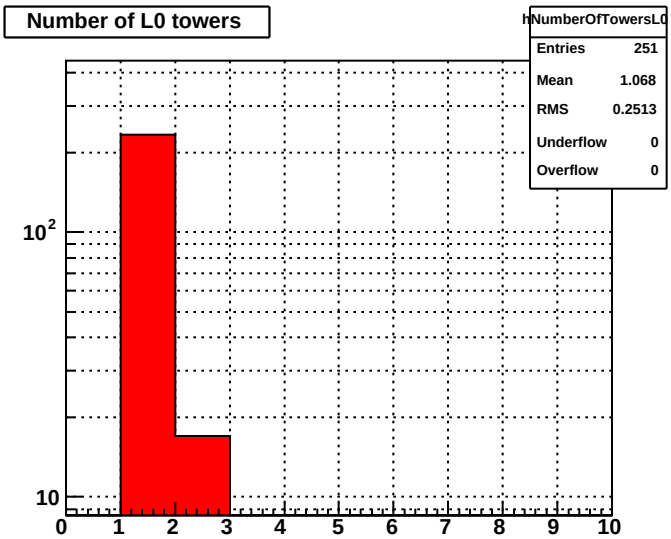
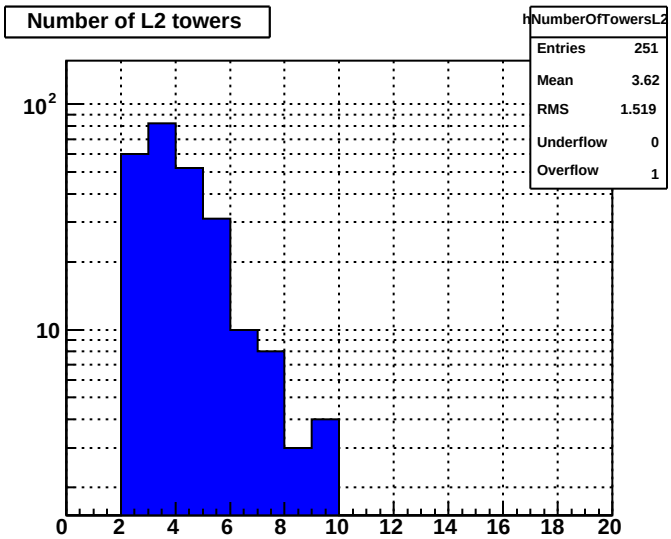
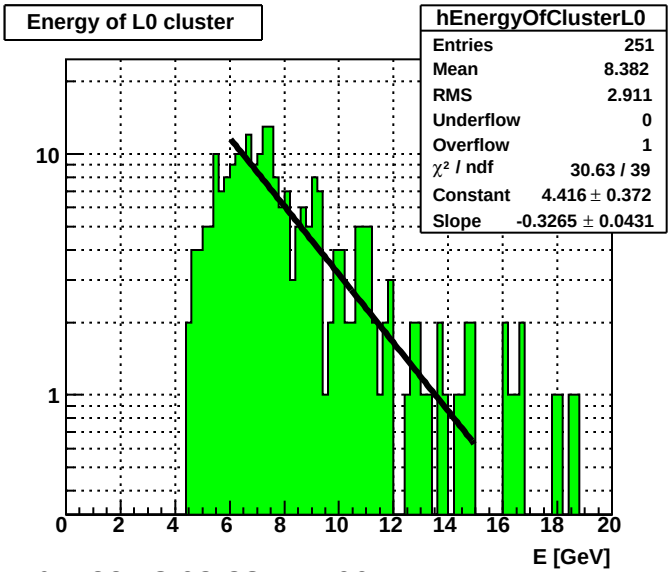
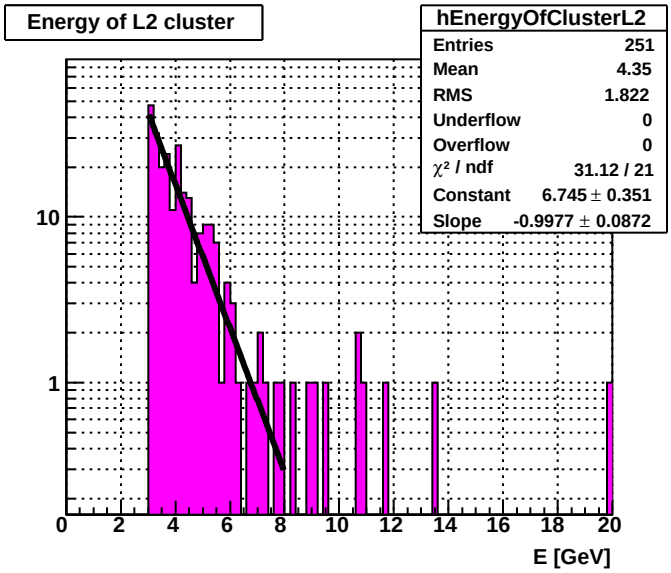

L0 tower
hEtaPhiL0
Entries 251
Mean x 0.01612
Mean y -0.2605
RMS x 0.628
RMS y 1.867
φ [radians]
η

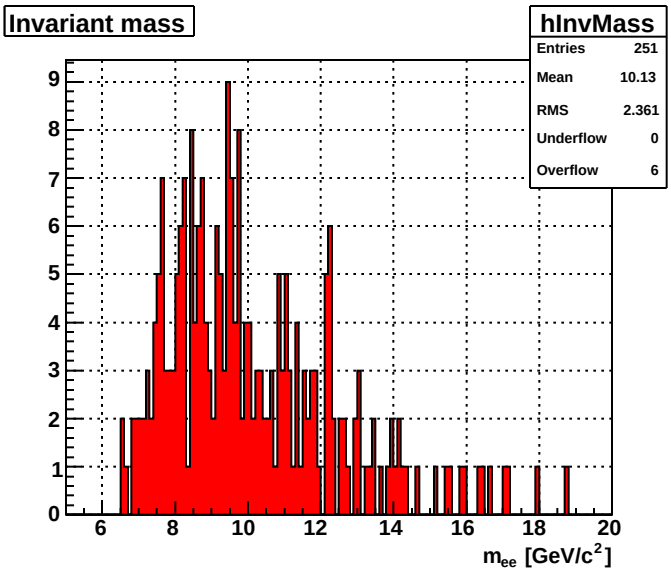

L2 tower
hEtaPhiL2
Entries 251
Mean x 0.1038
Mean y 0.3401
RMS x 0.6826
RMS y 1.615
φ [radians]
η

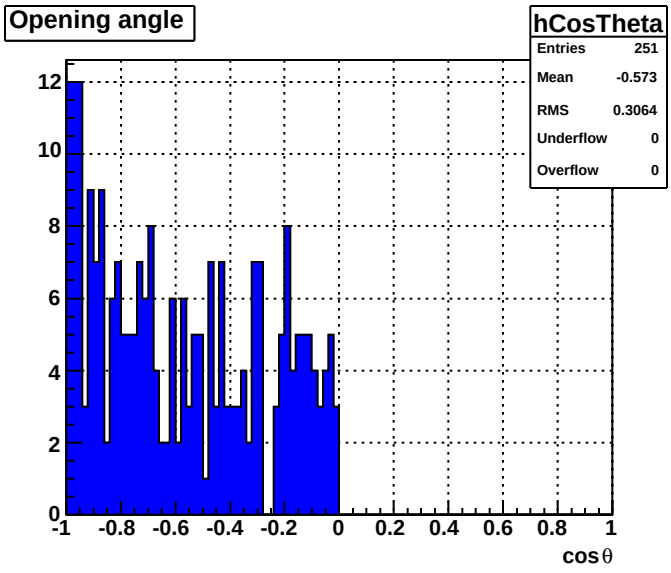

Number of L0 towers
hNumberOfTowersL0
Entries 251
Mean 1.068
RMS 0.2513
Underflow 0
Overflow 0

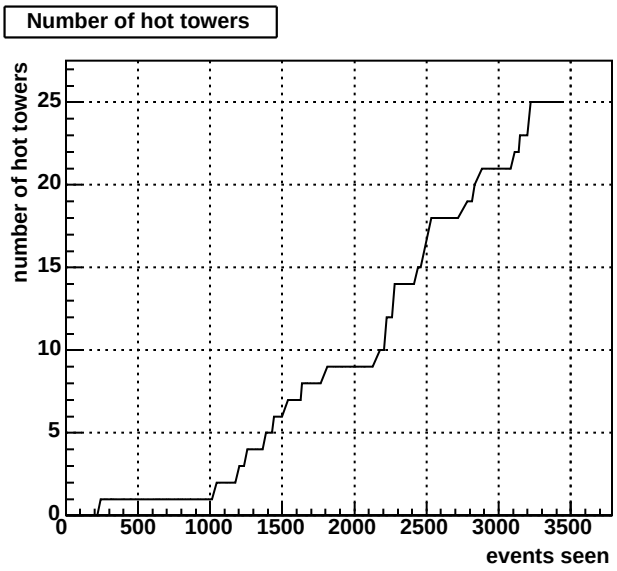

Number of L2 towers
hNumberOfTowersL2
Entries 251
Mean 3.62
RMS 1.519
Underflow 0
Overflow 1

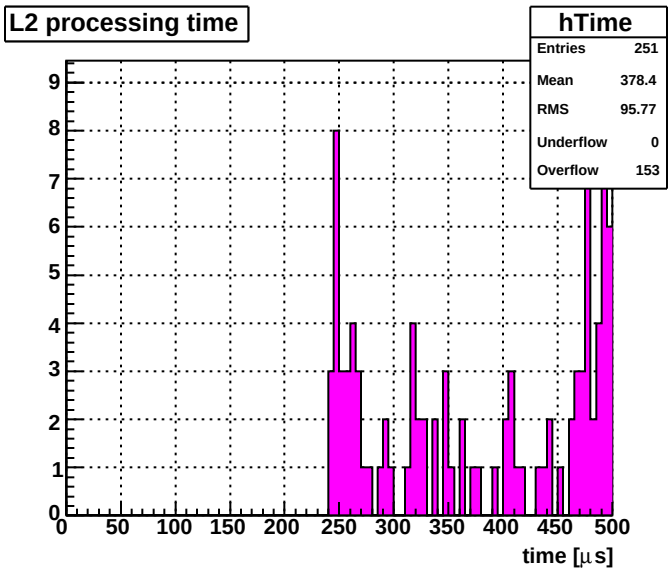

Energy of L0 cluster
hEnergyOfClusterL0
Entries 251
Mean 8.382
RMS 2.911
Underflow 0
Overflow 1
χ² / ndf 30.63 / 39
Constant 4.416 ± 0.372
Slope -0.3265 ± 0.0431
E [GeV]

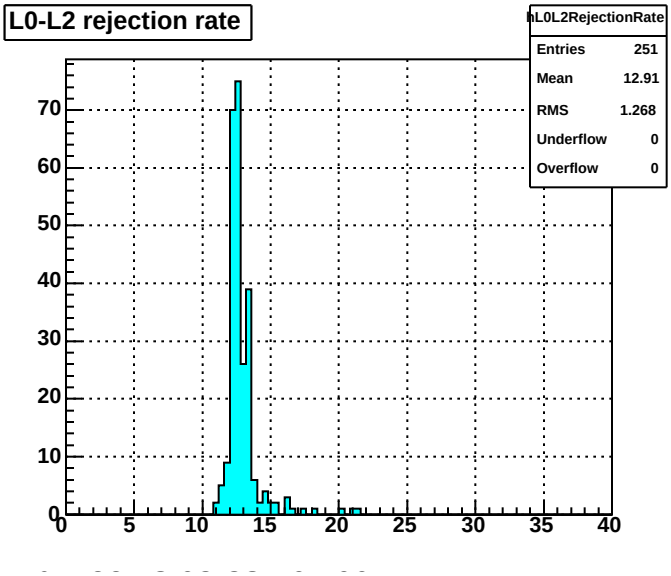

Energy of L2 cluster
hEnergyOfClusterL2
Entries 251
Mean 4.35
RMS 1.822
Underflow 0
Overflow 0
χ² / ndf 31.12 / 21
Constant 6.745 ± 0.351
Slope -0.9977 ± 0.0872
E [GeV]

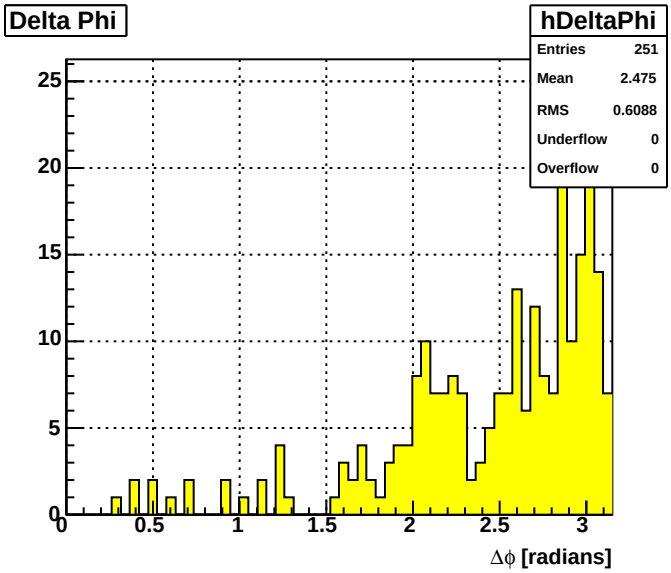

Invariant mass
hInvMass
Entries 251
Mean 10.13
RMS 2.361
Underflow 0
Overflow 6
m_{ee} [GeV/c^2]

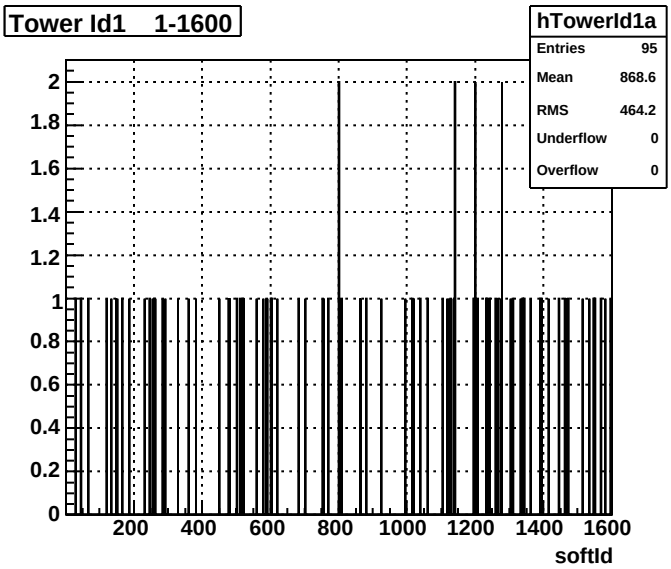

Opening angle
hCosTheta
Entries 251
Mean -0.573
RMS 0.3064
Underflow 0
Overflow 0
cos θ

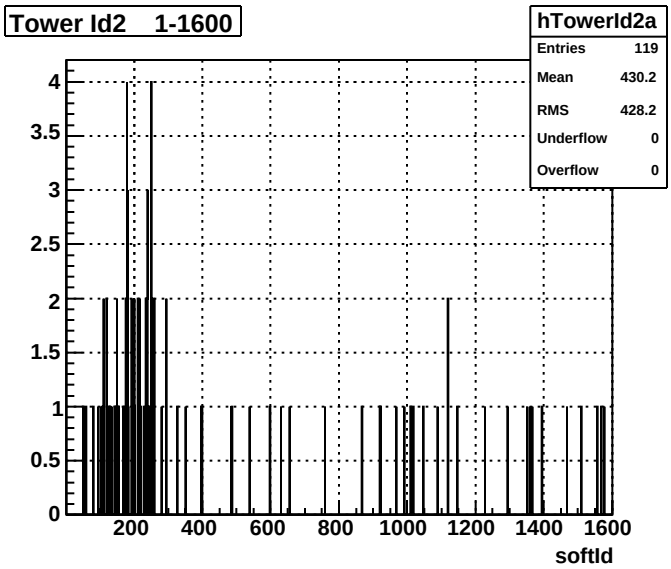

Number of hot towers
number of hot towers
events seen

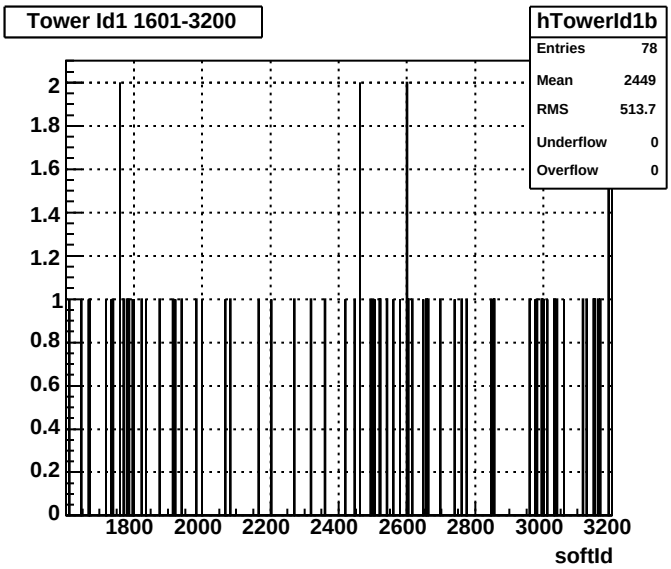

L2 processing time
hTime
Entries 251
Mean 378.4
RMS 95.77
Underflow 0
Overflow 153
time [μs]

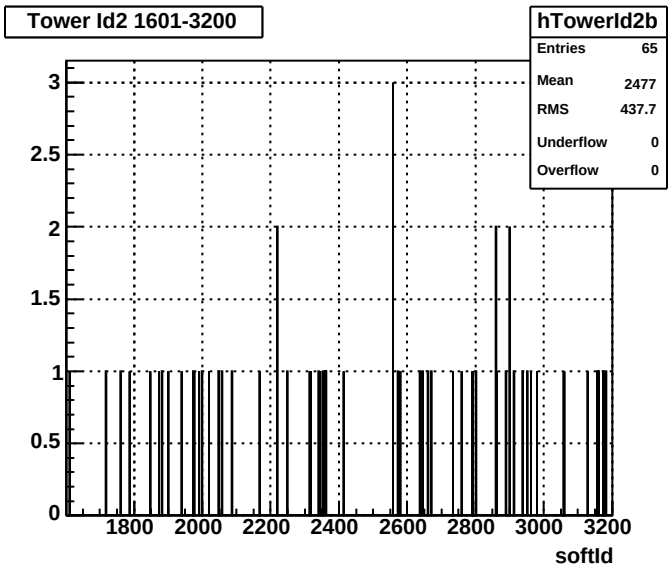

L0-L2 rejection rate
hL0L2RejectionRate
Entries 251
Mean 12.91
RMS 1.268
Underflow 0
Overflow 0

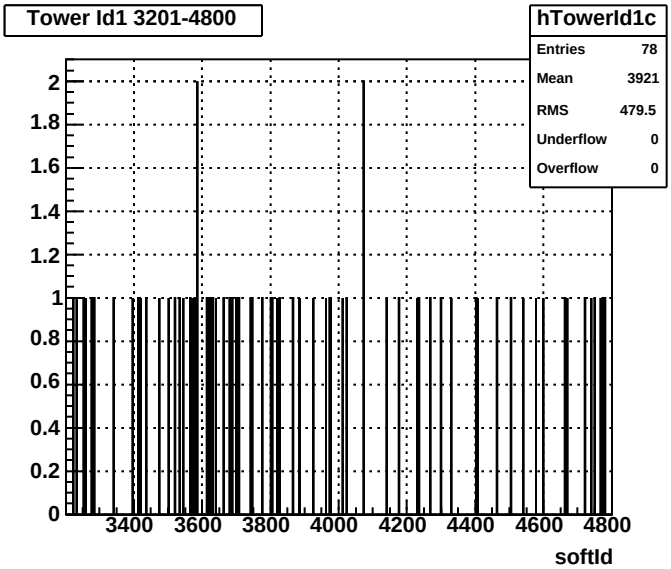

Delta Phi
hDeltaPhi
Entries 251
Mean 2.475
RMS 0.6088
Underflow 0
Overflow 0
Δφ [radians]

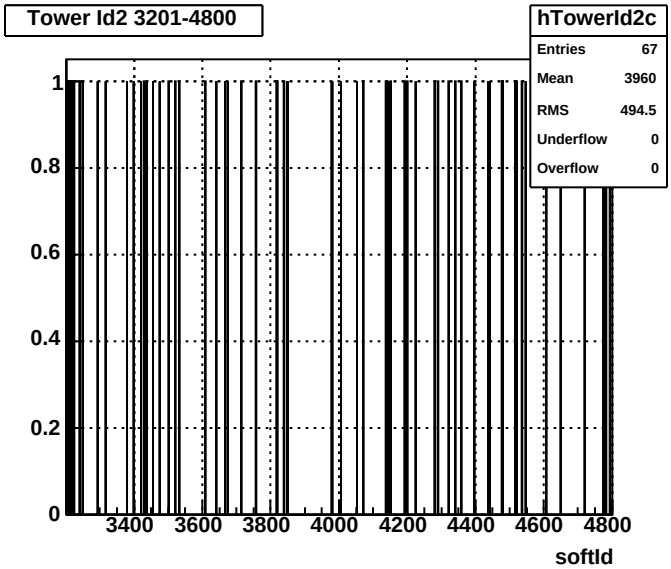

Tower Id1 1-1600
hTowerId1a
Entries 95
Mean 868.6
RMS 464.2
Underflow 0
Overflow 0
softId

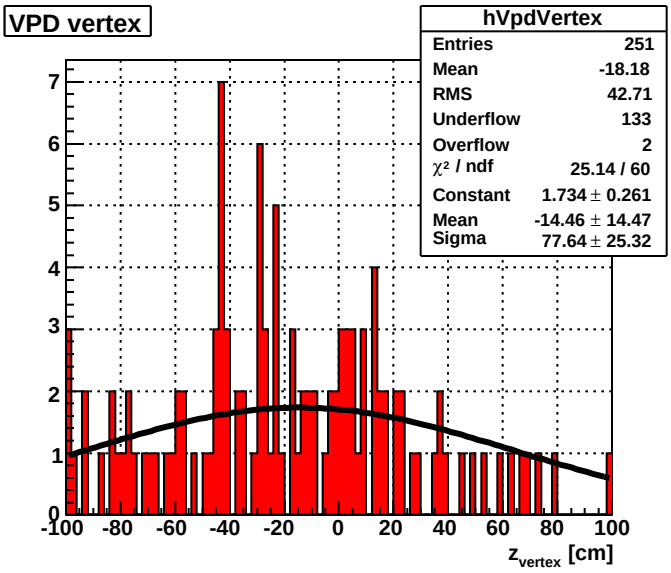

Tower Id2 1-1600
hTowerId2a
Entries 119
Mean 430.2
RMS 428.2
Underflow 0
Overflow 0
softId

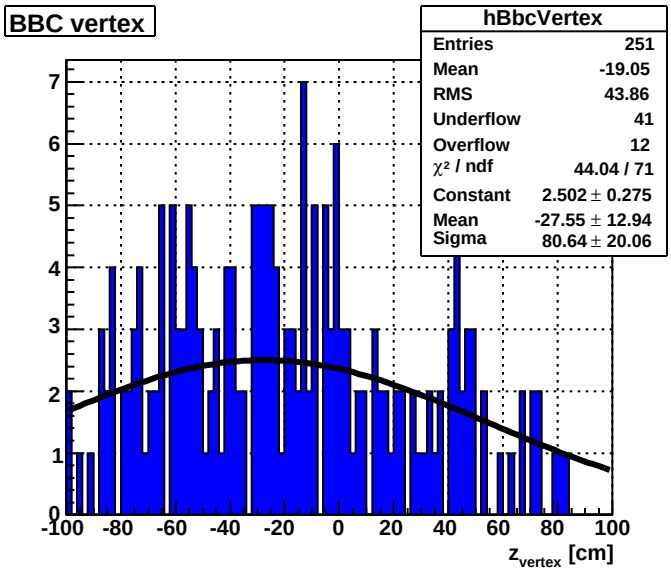

Tower Id1 1601-3200
hTowerId1b
Entries 78
Mean 2449
RMS 513.7
Underflow 0
Overflow 0
softId

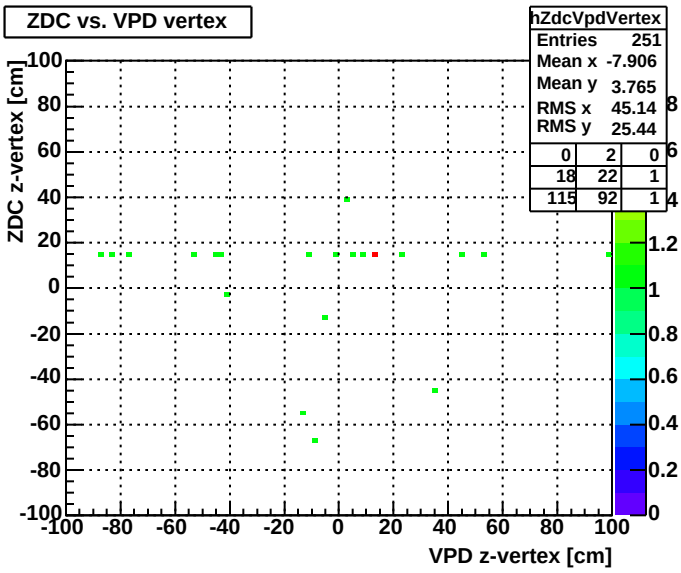

Tower Id2 1601-3200
hTowerId2b
Entries 65
Mean 2477
RMS 437.7
Underflow 0
Overflow 0
softId

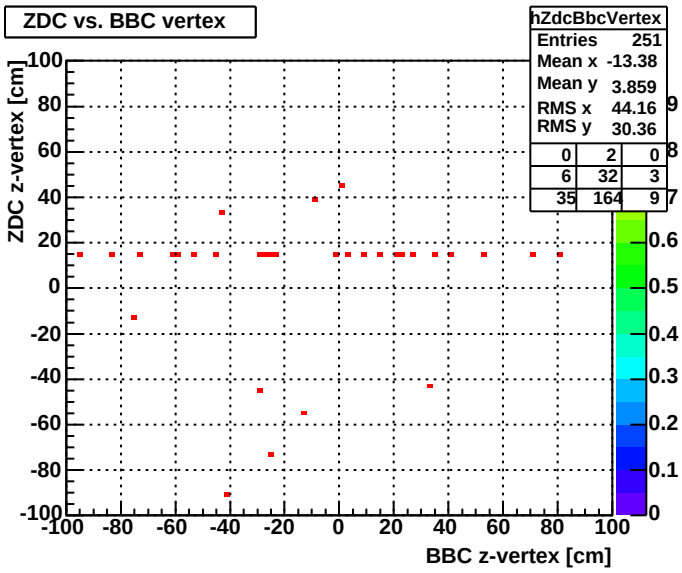

Tower Id1 3201-4800
hTowerId1c
Entries 78
Mean 3921
RMS 479.5
Underflow 0
Overflow 0
softId

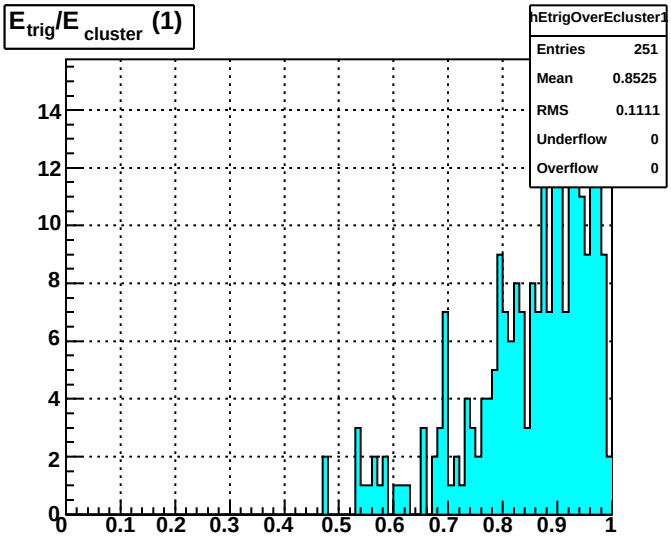

Tower Id2 3201-4800
hTowerId2c
Entries 67
Mean 3960
RMS 494.5
Underflow 0
Overflow 0
softId

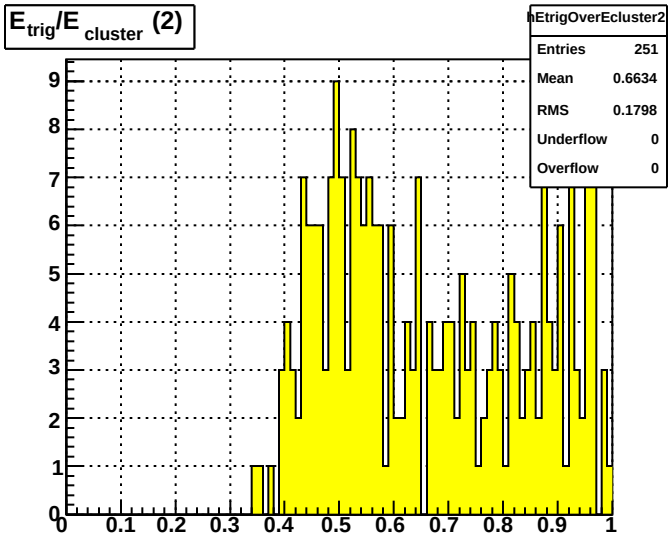

VPD vertex
hVpdVertex
Entries 251
Mean -18.18
RMS 42.71
Underflow 133
Overflow 2
χ² / ndf 25.14 / 60
Constant 1.734 ± 0.261
Mean -14.46 ± 14.47
Sigma 77.64 ± 25.32
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 251
Mean -19.05
RMS 43.86
Underflow 41
Overflow 12
χ² / ndf 44.04 / 71
Constant 2.502 ± 0.275
Mean -27.55 ± 12.94
Sigma 80.64 ± 20.06
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 251
Mean x -7.906
Mean y 3.765
RMS x 45.14
RMS y 25.44
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 251
Mean x -13.38
Mean y 3.859
RMS x 44.16
RMS y 30.36
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 251
Mean 0.8525
RMS 0.1111
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 251
Mean 0.6634
RMS 0.1798
Underflow 0
Overflow 0