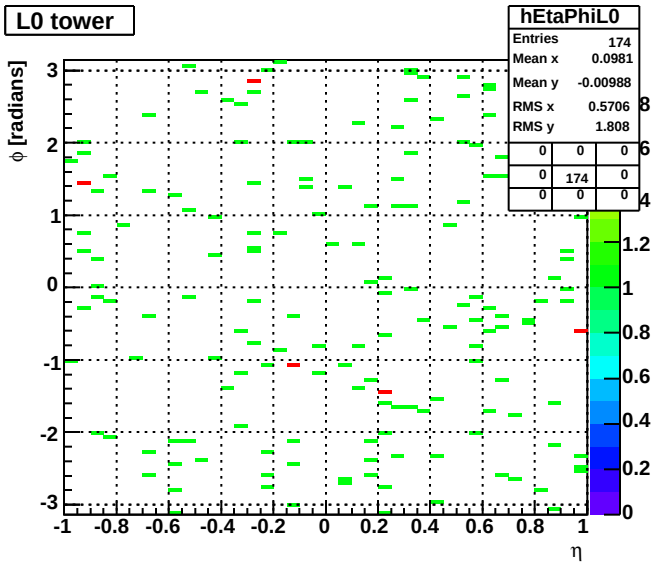
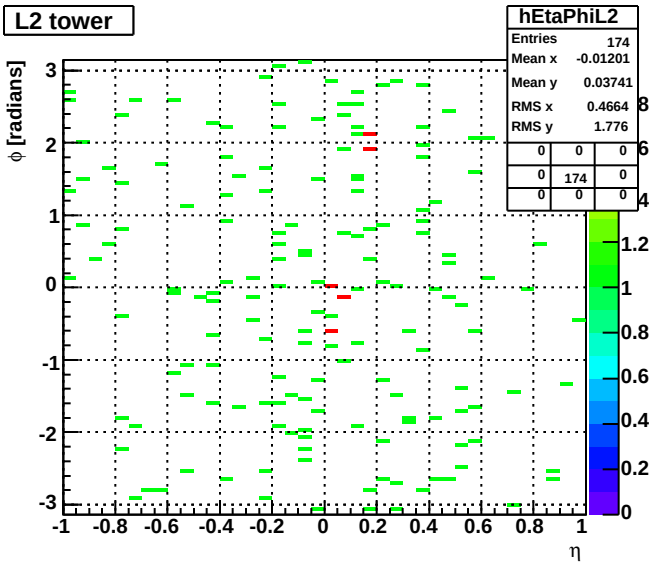
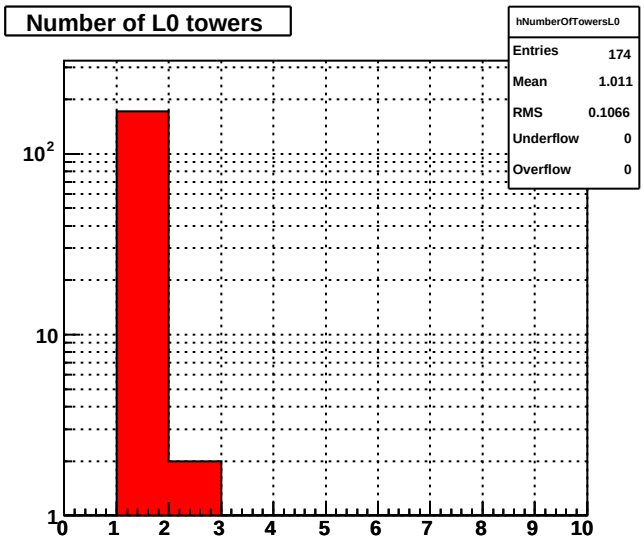
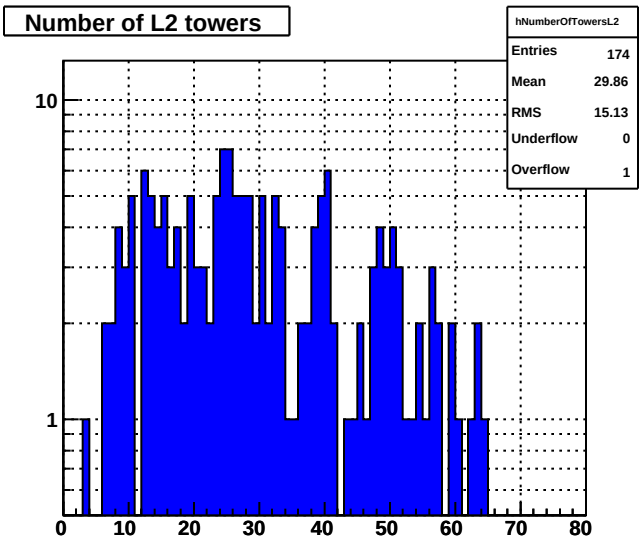
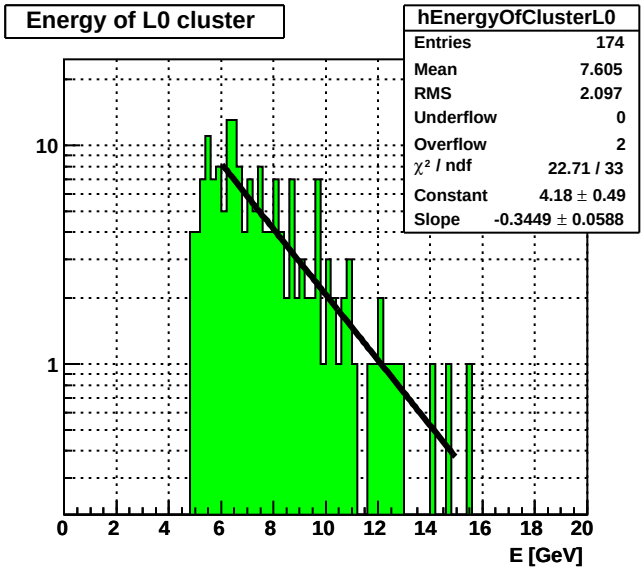
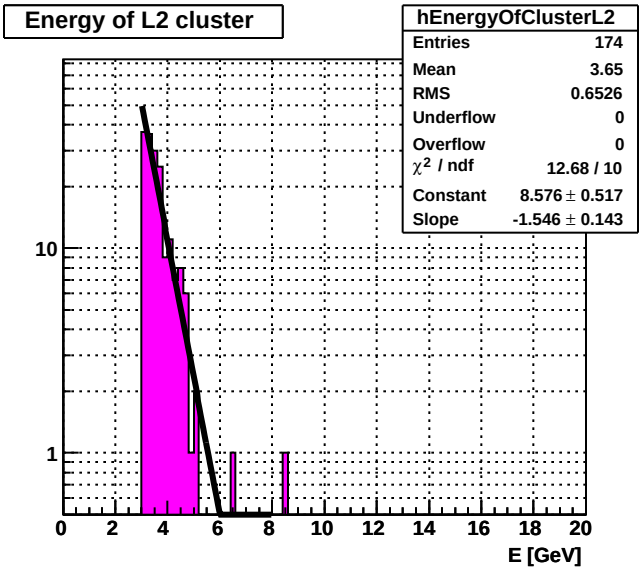

L0 tower
hEtaPhiL0
Entries 174
Mean x 0.0981
Mean y -0.00988
RMS x 0.5706
RMS y 1.808
φ [radians]
η

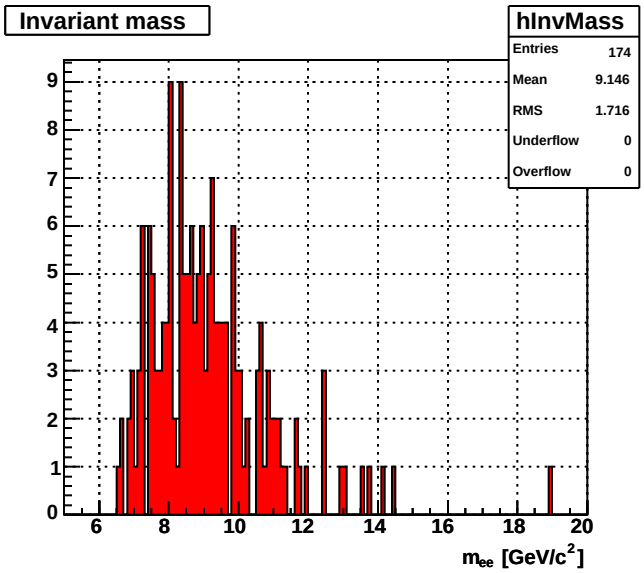

L2 tower
hEtaPhiL2
Entries 174
Mean x -0.01201
Mean y 0.03741
RMS x 0.4664
RMS y 1.776
φ [radians]
η

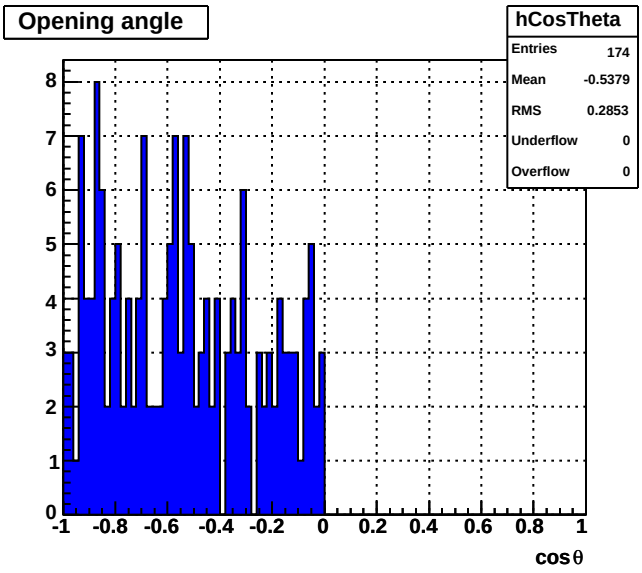

Number of L0 towers
hNumberOfTowersL0
Entries 174
Mean 1.011
RMS 0.1066
Underflow 0
Overflow 0

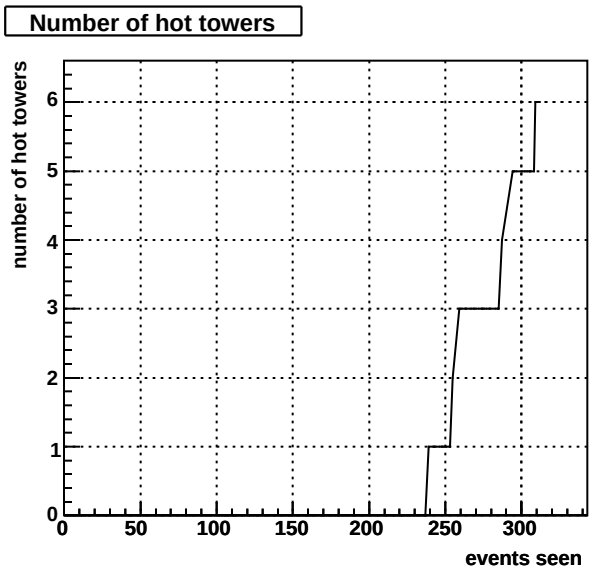

Number of L2 towers
hNumberOfTowersL2
Entries 174
Mean 29.86
RMS 15.13
Underflow 0
Overflow 1

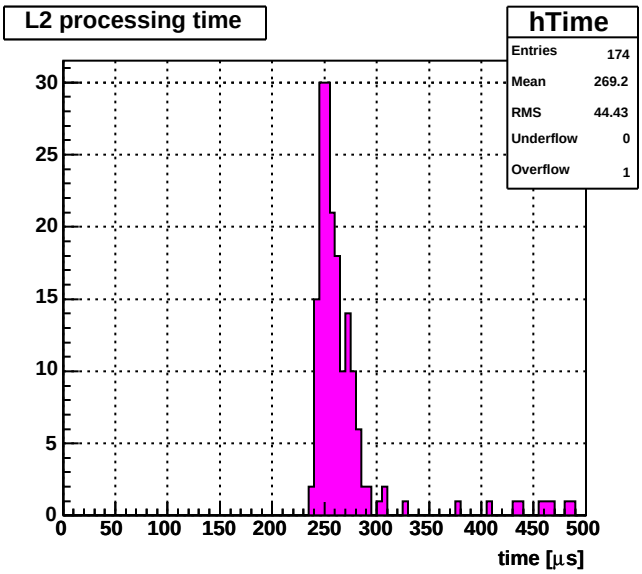

Energy of L0 cluster
hEnergyOfClusterL0
Entries 174
Mean 7.605
RMS 2.097
Underflow 0
Overflow 2
χ² / ndf 22.71 / 33
Constant 4.18 ± 0.49
Slope -0.3449 ± 0.0588
E [GeV]

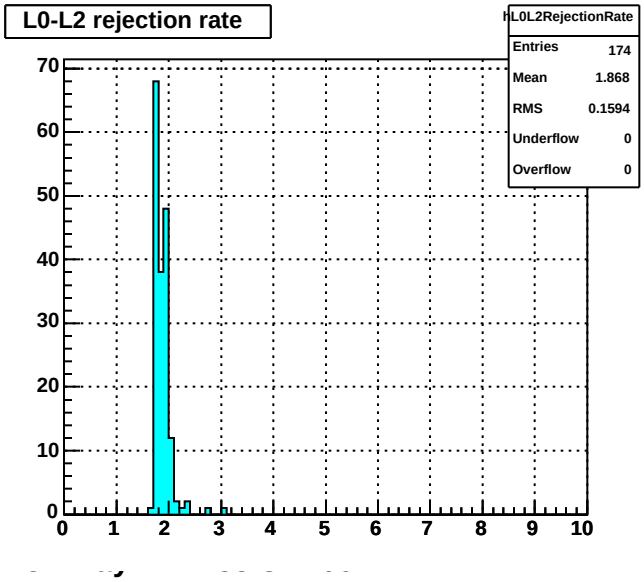

Energy of L2 cluster
hEnergyOfClusterL2
Entries 174
Mean 3.65
RMS 0.6526
Underflow 0
Overflow 0
χ² / ndf 12.68 / 10
Constant 8.576 ± 0.517
Slope -1.546 ± 0.143
E [GeV]

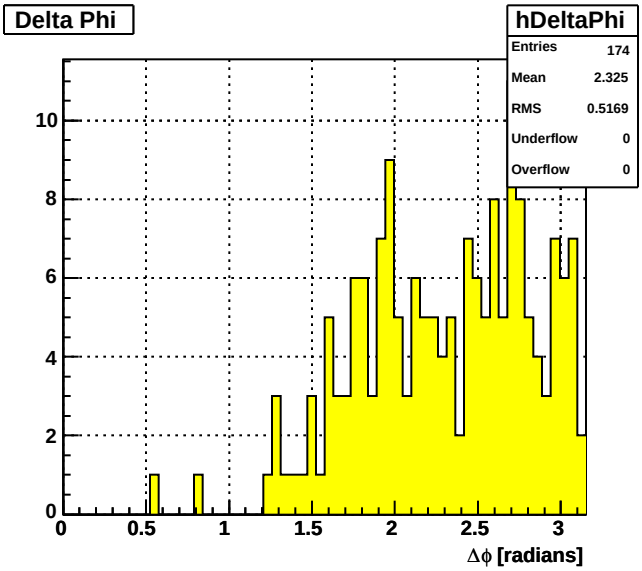

Invariant mass
hInvMass
Entries 174
Mean 9.146
RMS 1.716
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

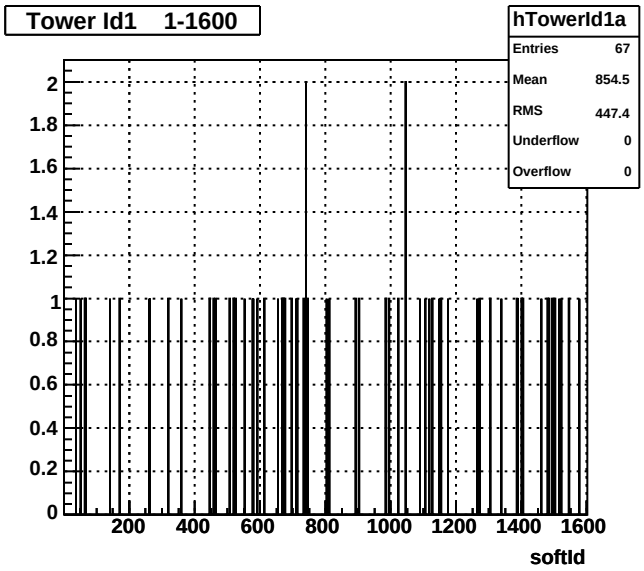

Opening angle
hCosTheta
Entries 174
Mean -0.5379
RMS 0.2853
Underflow 0
Overflow 0
cos θ

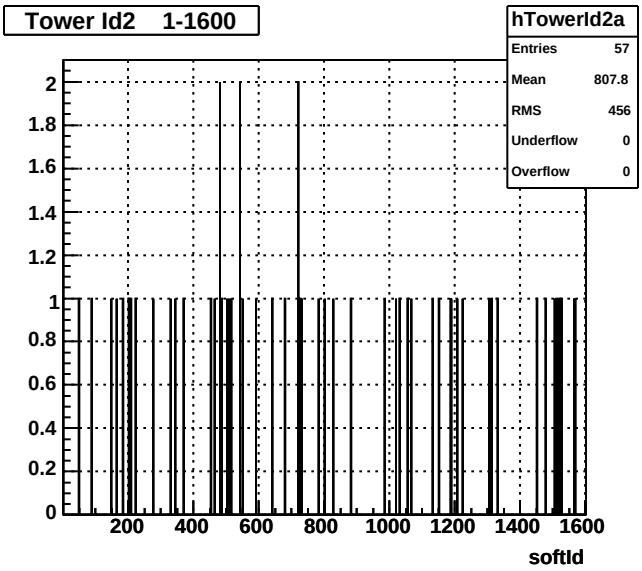

Number of hot towers
number of hot towers
events seen

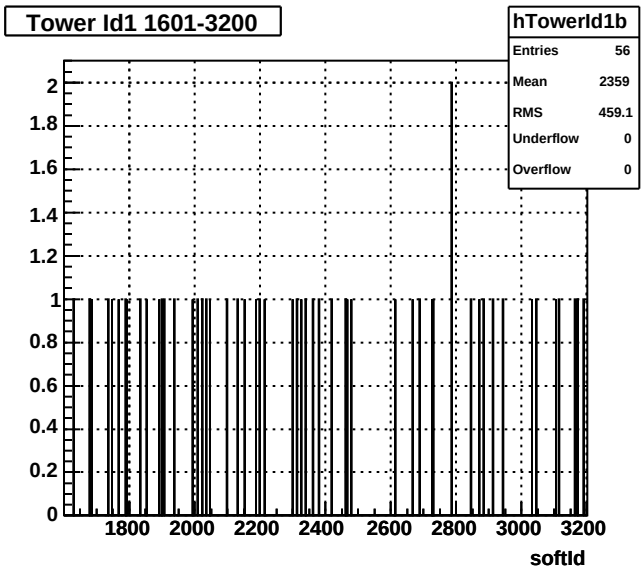

L2 processing time
hTime
Entries 174
Mean 269.2
RMS 44.43
Underflow 0
Overflow 1
time [μs]

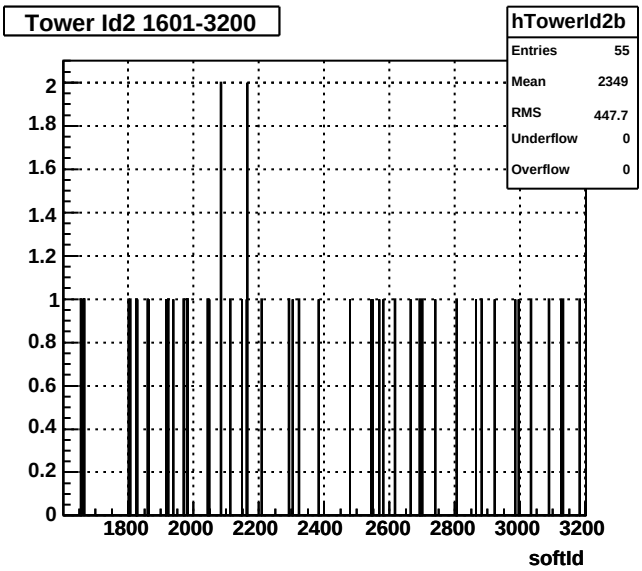

L0-L2 rejection rate
hL0L2RejectionRate
Entries 174
Mean 1.868
RMS 0.1594
Underflow 0
Overflow 0

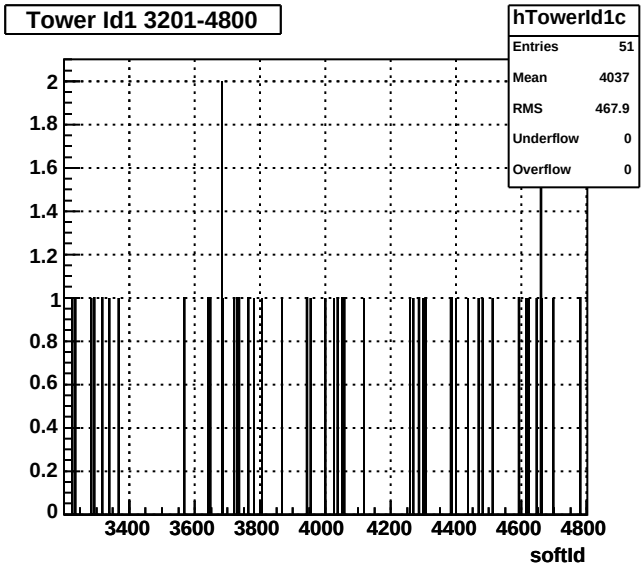

Delta Phi
hDeltaPhi
Entries 174
Mean 2.325
RMS 0.5169
Underflow 0
Overflow 0
Δφ [radians]

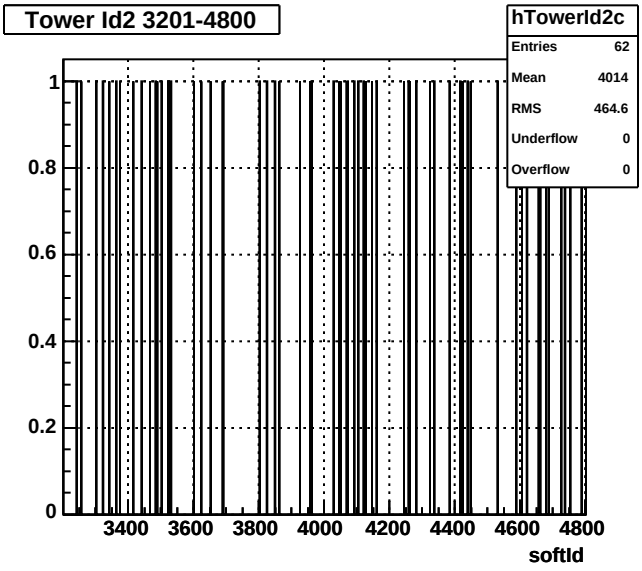

Tower Id1 1-1600
hTowerId1a
Entries 67
Mean 854.5
RMS 447.4
Underflow 0
Overflow 0
softId

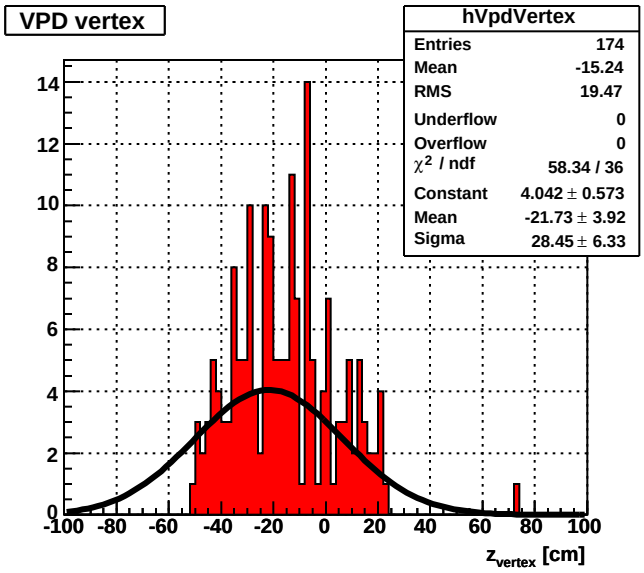

Tower Id2 1-1600
hTowerId2a
Entries 57
Mean 807.8
RMS 456
Underflow 0
Overflow 0
softId

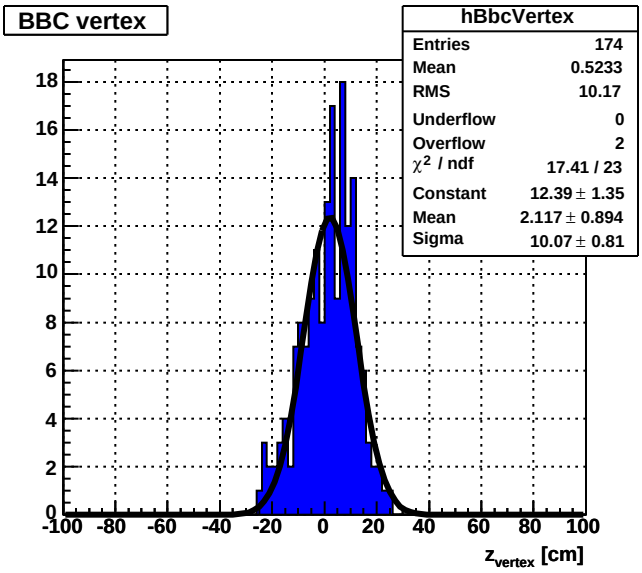

Tower Id1 1601-3200
hTowerId1b
Entries 56
Mean 2359
RMS 459.1
Underflow 0
Overflow 0
softId

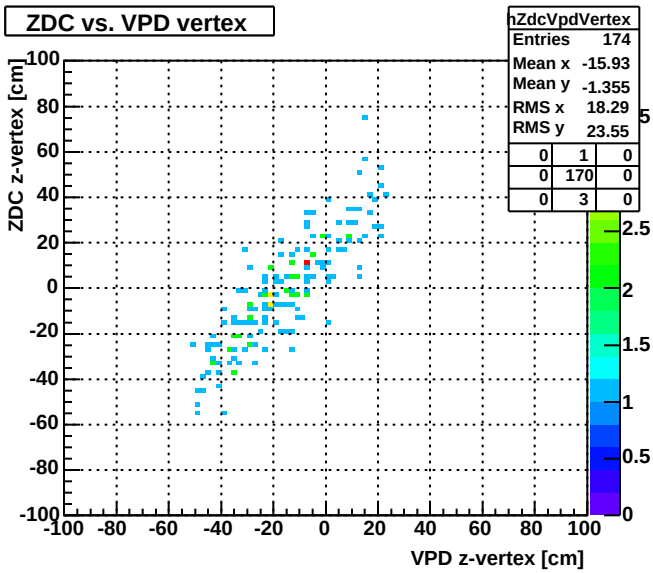

Tower Id2 1601-3200
hTowerId2b
Entries 55
Mean 2349
RMS 447.7
Underflow 0
Overflow 0
softId

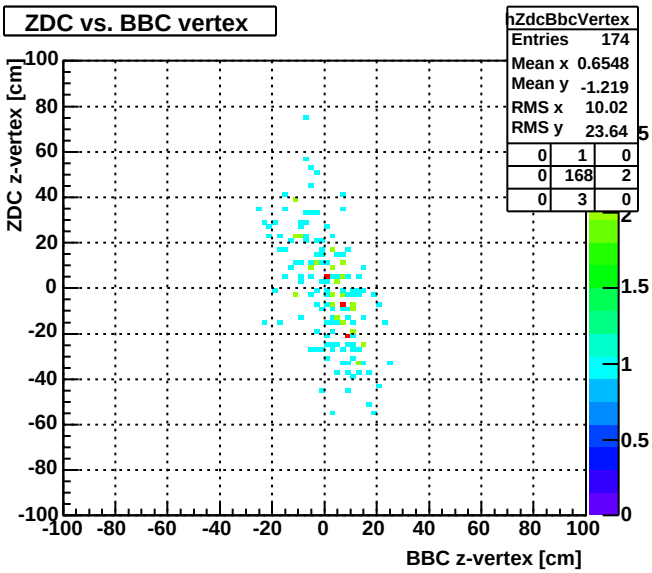

Tower Id1 3201-4800
hTowerId1c
Entries 51
Mean 4037
RMS 467.9
Underflow 0
Overflow 0
softId

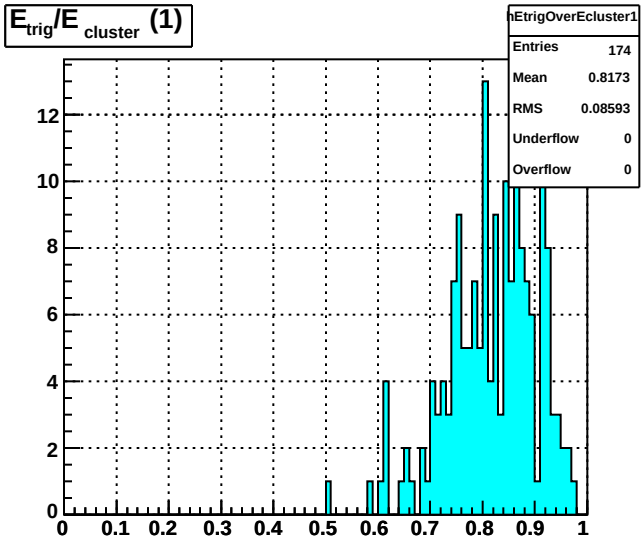

Tower Id2 3201-4800
hTowerId2c
Entries 62
Mean 4014
RMS 464.6
Underflow 0
Overflow 0
softId

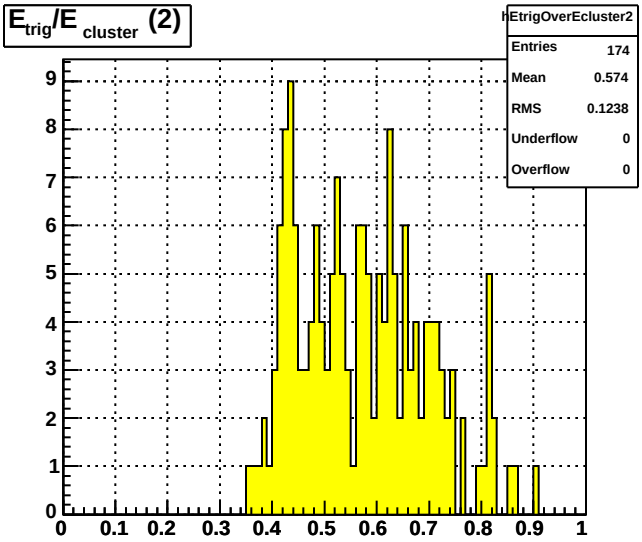

VPD vertex
hVpdVertex
Entries 174
Mean -15.24
RMS 19.47
Underflow 0
Overflow 0
χ² / ndf 58.34 / 36
Constant 4.042 ± 0.573
Mean -21.73 ± 3.92
Sigma 28.45 ± 6.33
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 174
Mean 0.5233
RMS 10.17
Underflow 0
Overflow 2
χ² / ndf 17.41 / 23
Constant 12.39 ± 1.35
Mean 2.117 ± 0.894
Sigma 10.07 ± 0.81
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 174
Mean x -15.93
Mean y -1.355
RMS x 18.29
RMS y 23.55
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 174
Mean x 0.6548
Mean y -1.219
RMS x 10.02
RMS y 23.64
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 174
Mean 0.8173
RMS 0.08593
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 174
Mean 0.574
RMS 0.1238
Underflow 0
Overflow 0