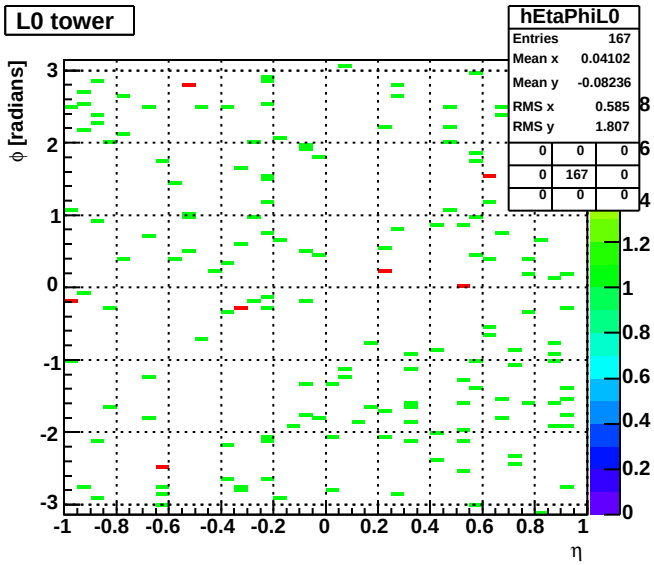
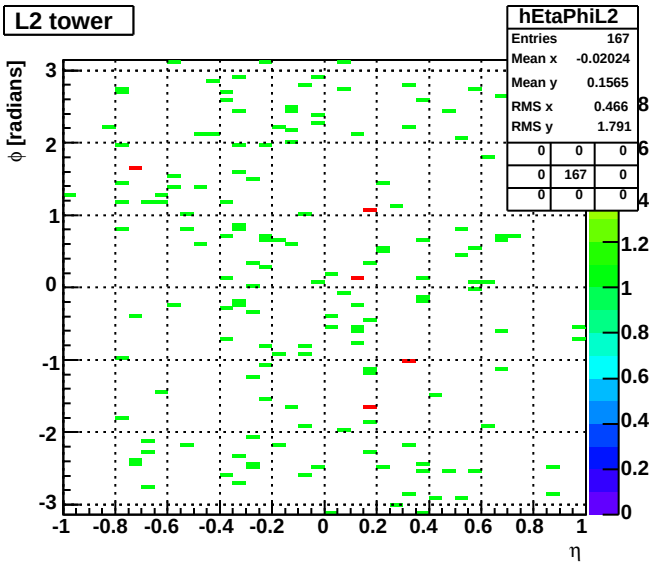
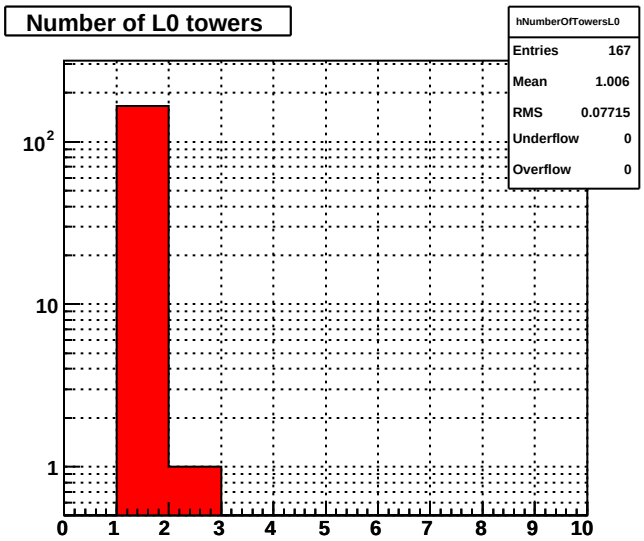
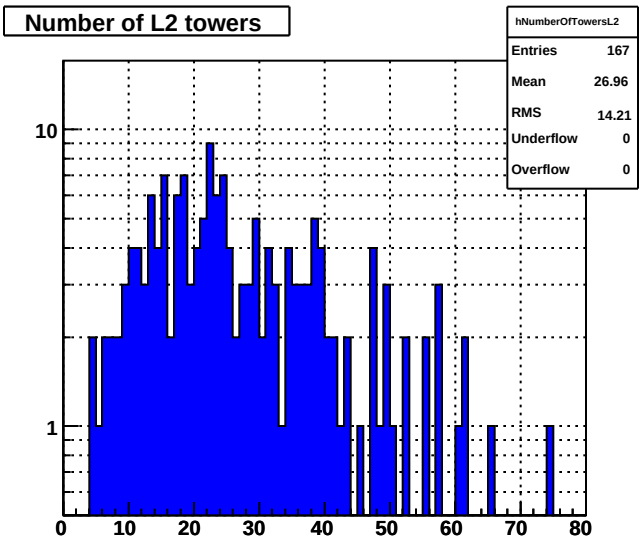
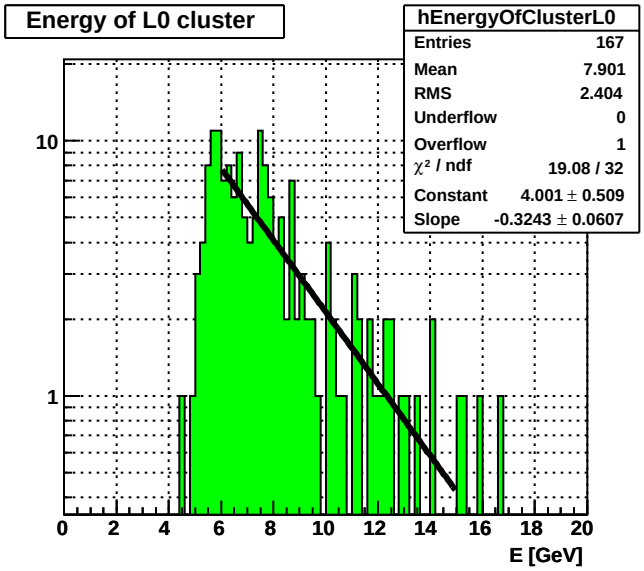
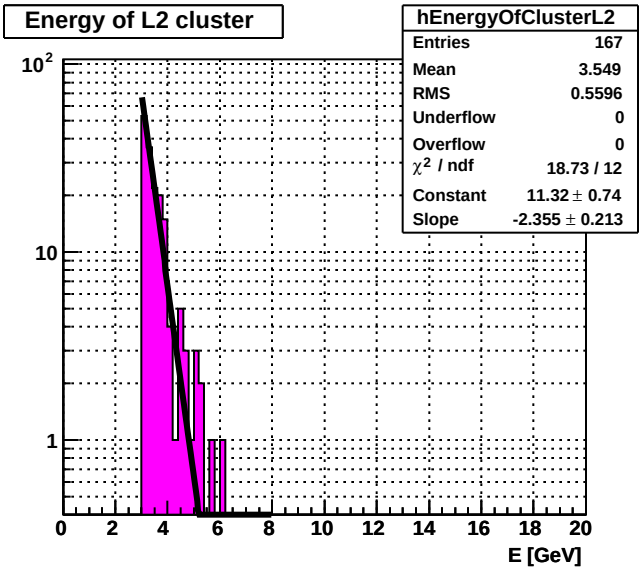

L0 tower
hEtaPhiL0
Entries 167
Mean x 0.04102
Mean y -0.08236
RMS x 0.585
RMS y 1.807
φ [radians]
η

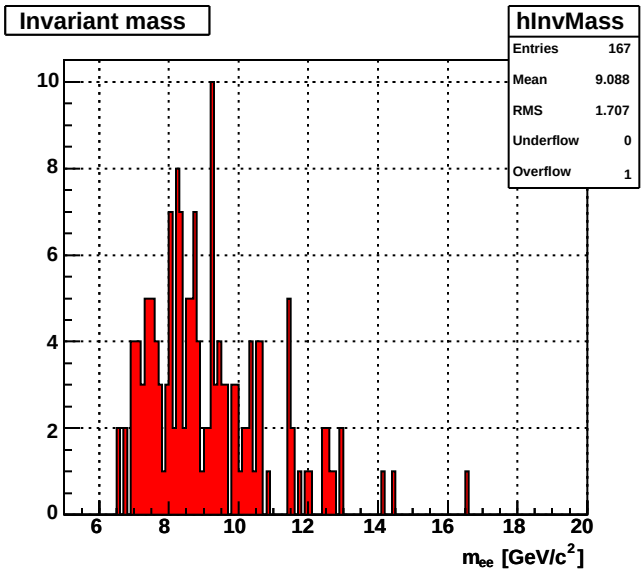

L2 tower
hEtaPhiL2
Entries 167
Mean x -0.02024
Mean y 0.1565
RMS x 0.466
RMS y 1.791
φ [radians]
η

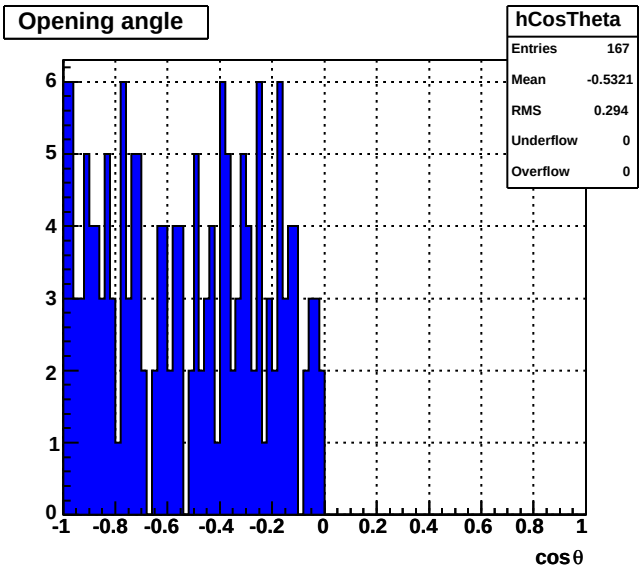

Number of L0 towers
hNumberOfTowersL0
Entries 167
Mean 1.006
RMS 0.07715
Underflow 0
Overflow 0

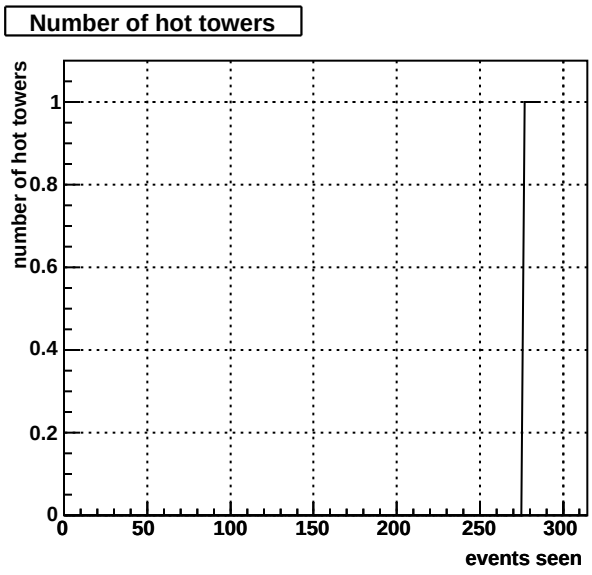

Number of L2 towers
hNumberOfTowersL2
Entries 167
Mean 26.96
RMS 14.21
Underflow 0
Overflow 0

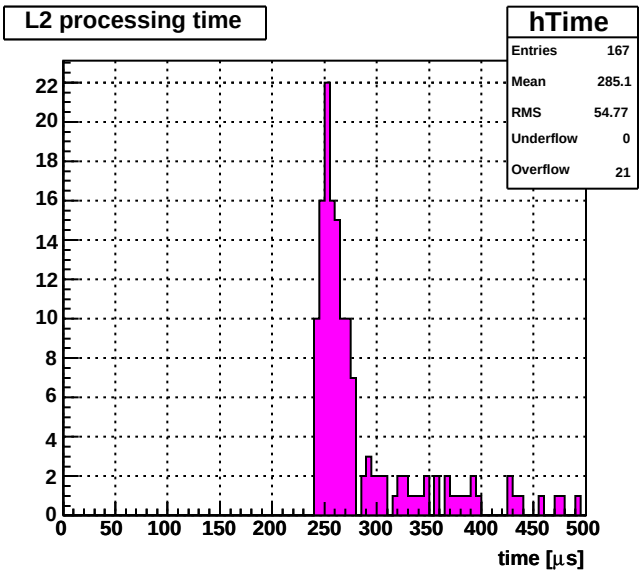

Energy of L0 cluster
hEnergyOfClusterL0
Entries 167
Mean 7.901
RMS 2.404
Underflow 0
Overflow 1
χ² / ndf 19.08 / 32
Constant 4.001 ± 0.509
Slope -0.3243 ± 0.0607
E [GeV]

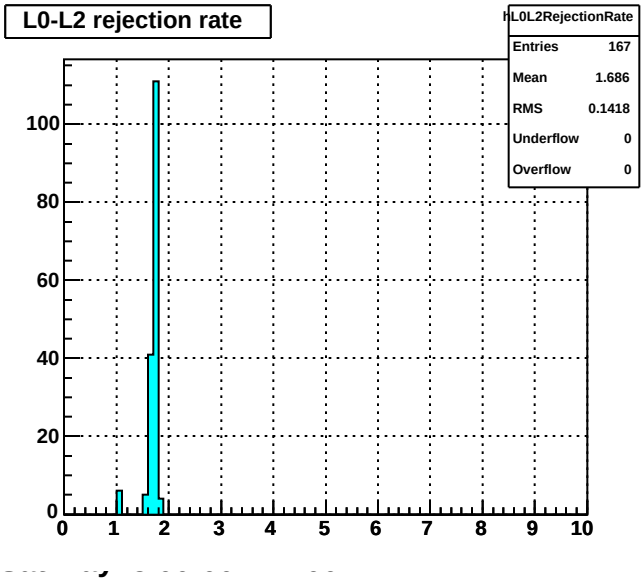

Energy of L2 cluster
hEnergyOfClusterL2
Entries 167
Mean 3.549
RMS 0.5596
Underflow 0
Overflow 0
χ² / ndf 18.73 / 12
Constant 11.32 ± 0.74
Slope -2.355 ± 0.213
E [GeV]

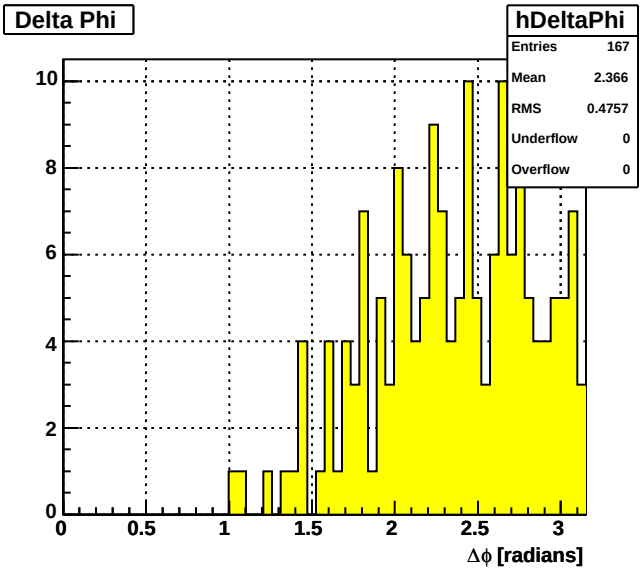

Invariant mass
hInvMass
Entries 167
Mean 9.088
RMS 1.707
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

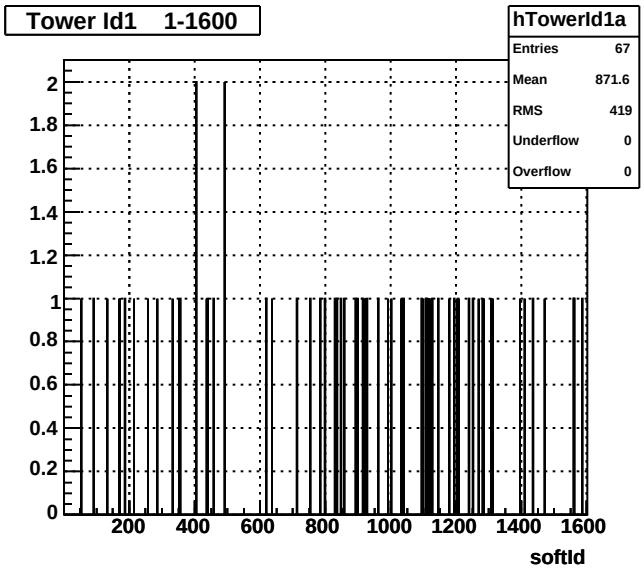

Opening angle
hCosTheta
Entries 167
Mean -0.5321
RMS 0.294
Underflow 0
Overflow 0
cos θ

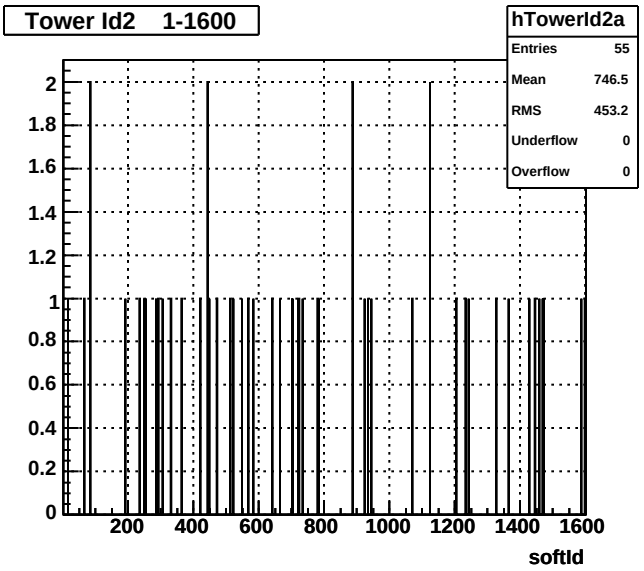

Number of hot towers
number of hot towers
events seen

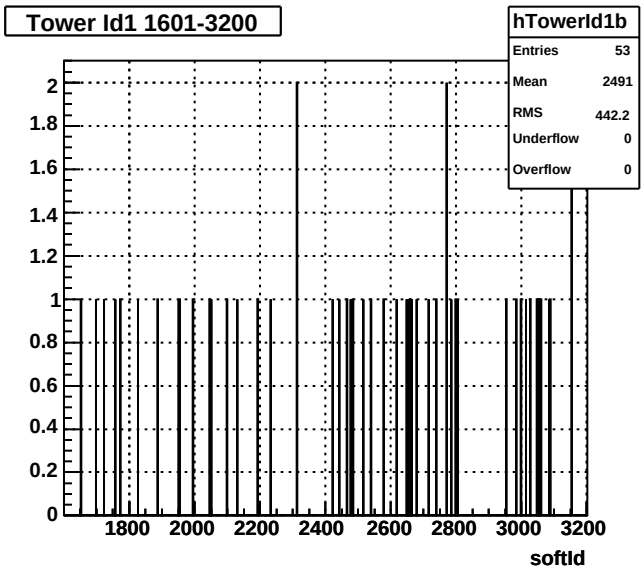

L2 processing time
hTime
Entries 167
Mean 285.1
RMS 54.77
Underflow 0
Overflow 21
time [μs]

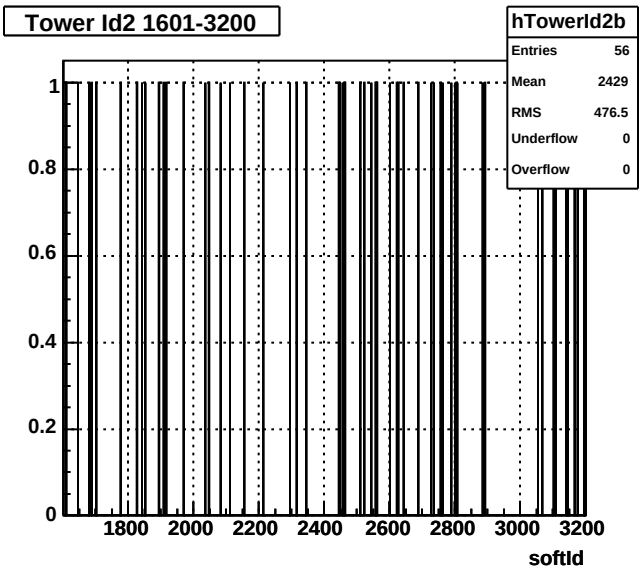

L0-L2 rejection rate
hL0L2RejectionRate
Entries 167
Mean 1.686
RMS 0.1418
Underflow 0
Overflow 0

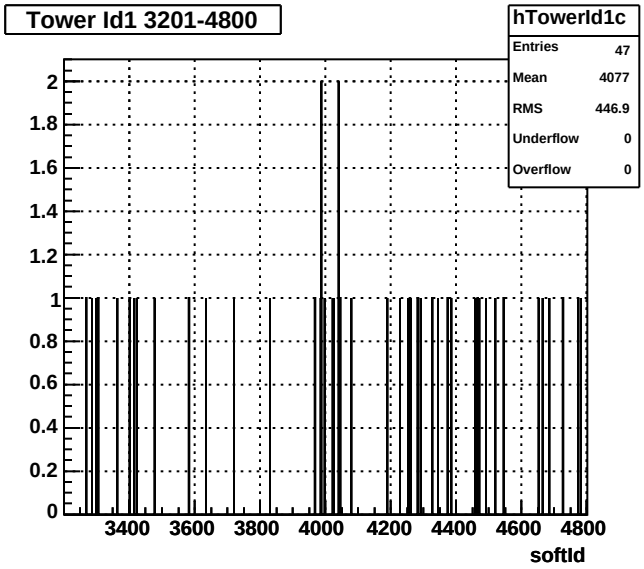

Delta Phi
hDeltaPhi
Entries 167
Mean 2.366
RMS 0.4757
Underflow 0
Overflow 0
Δφ [radians]

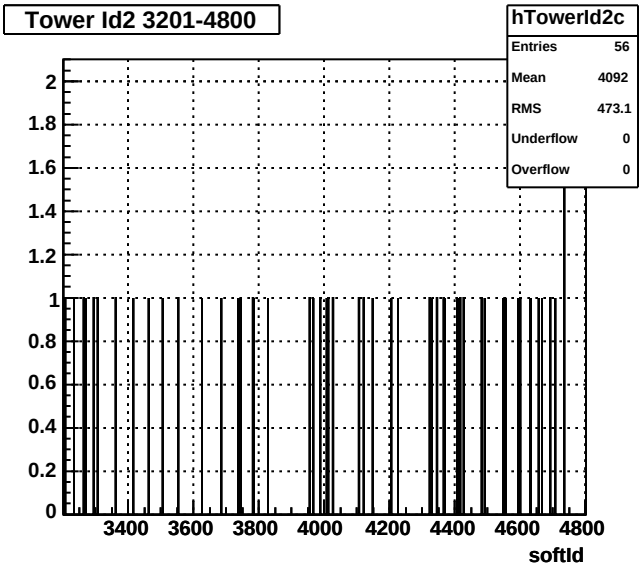

Tower Id1 1-1600
hTowerId1a
Entries 67
Mean 871.6
RMS 419
Underflow 0
Overflow 0
softId

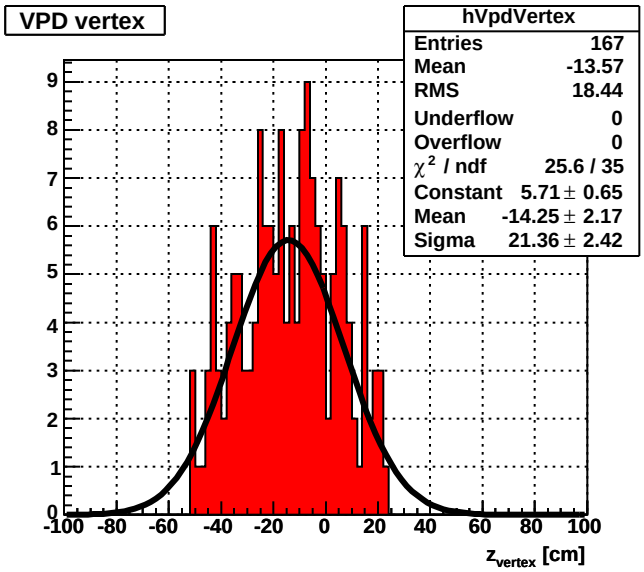

Tower Id2 1-1600
hTowerId2a
Entries 55
Mean 746.5
RMS 453.2
Underflow 0
Overflow 0
softId

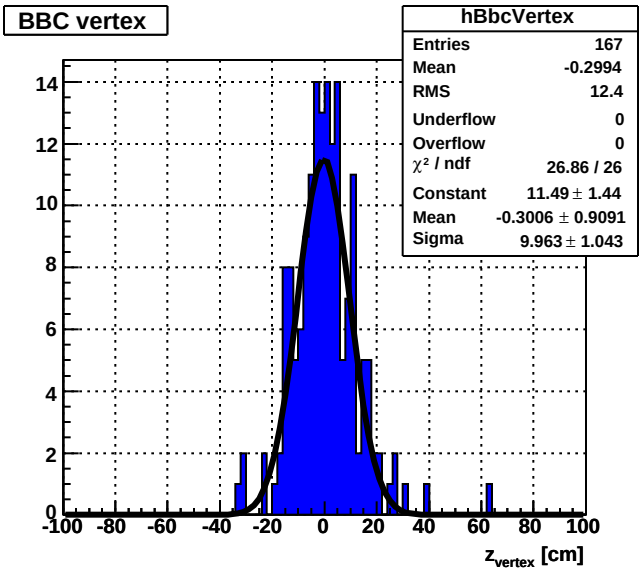

Tower Id1 1601-3200
hTowerId1b
Entries 53
Mean 2491
RMS 442.2
Underflow 0
Overflow 0
softId

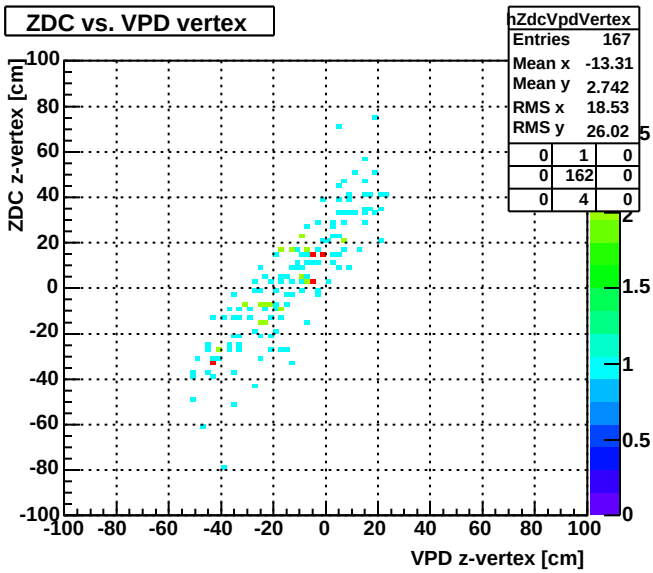

Tower Id2 1601-3200
hTowerId2b
Entries 56
Mean 2429
RMS 476.5
Underflow 0
Overflow 0
softId

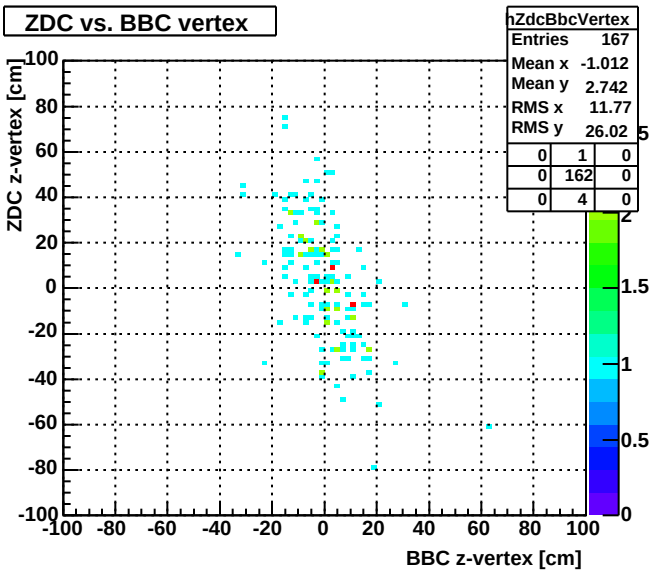

Tower Id1 3201-4800
hTowerId1c
Entries 47
Mean 4077
RMS 446.9
Underflow 0
Overflow 0
softId

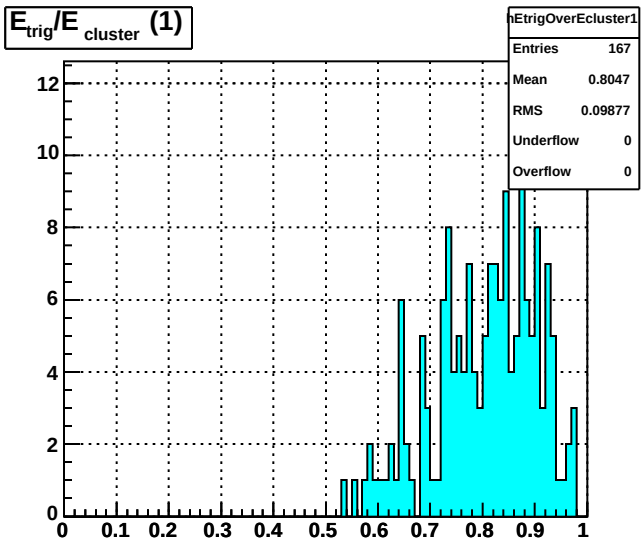

Tower Id2 3201-4800
hTowerId2c
Entries 56
Mean 4092
RMS 473.1
Underflow 0
Overflow 0
softId

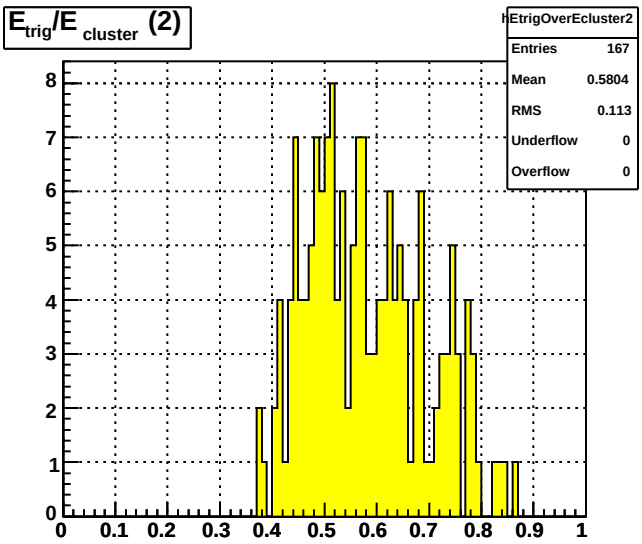

VPD vertex
hVpdVertex
Entries 167
Mean -13.57
RMS 18.44
Underflow 0
Overflow 0
χ² / ndf 25.6 / 35
Constant 5.71 ± 0.65
Mean -14.25 ± 2.17
Sigma 21.36 ± 2.42
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 167
Mean -0.2994
RMS 12.4
Underflow 0
Overflow 0
χ² / ndf 26.86 / 26
Constant 11.49 ± 1.44
Mean -0.3006 ± 0.9091
Sigma 9.963 ± 1.043
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 167
Mean x -13.31
Mean y 2.742
RMS x 18.53
RMS y 26.02
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 167
Mean x -1.012
Mean y 2.742
RMS x 11.77
RMS y 26.02
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 167
Mean 0.8047
RMS 0.09877
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 167
Mean 0.5804
RMS 0.113
Underflow 0
Overflow 0