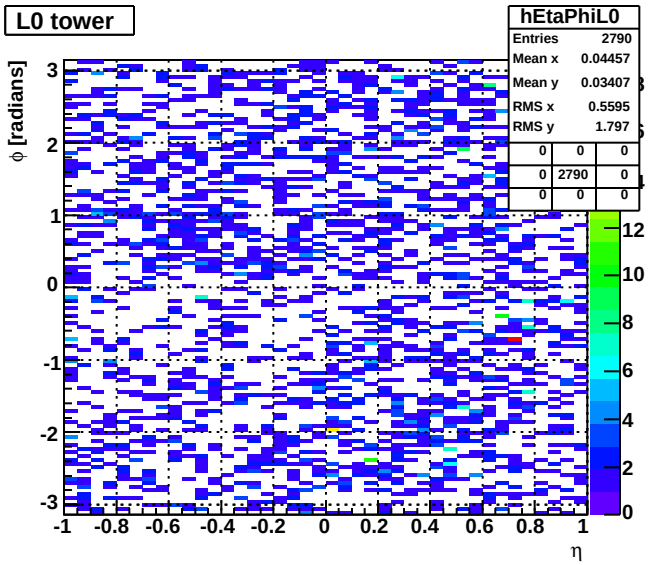
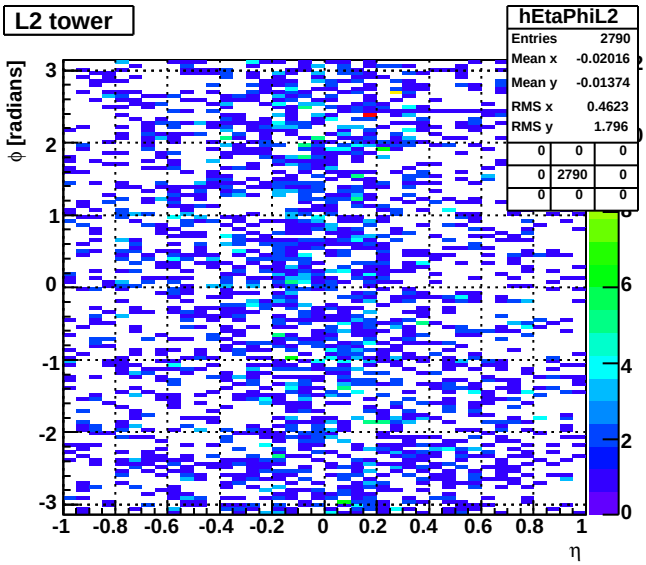
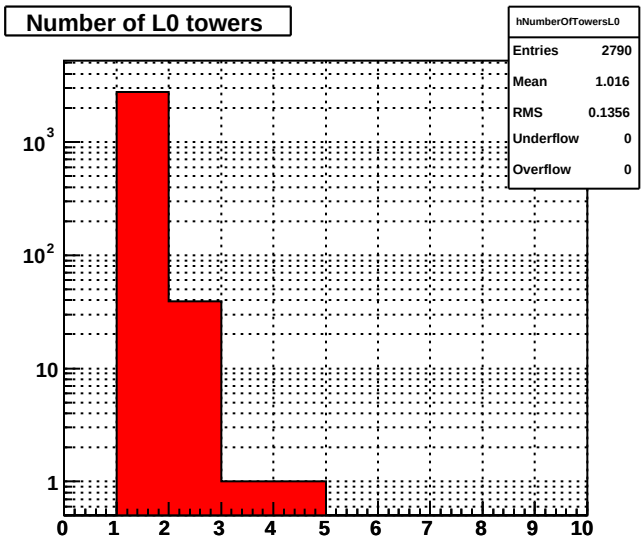
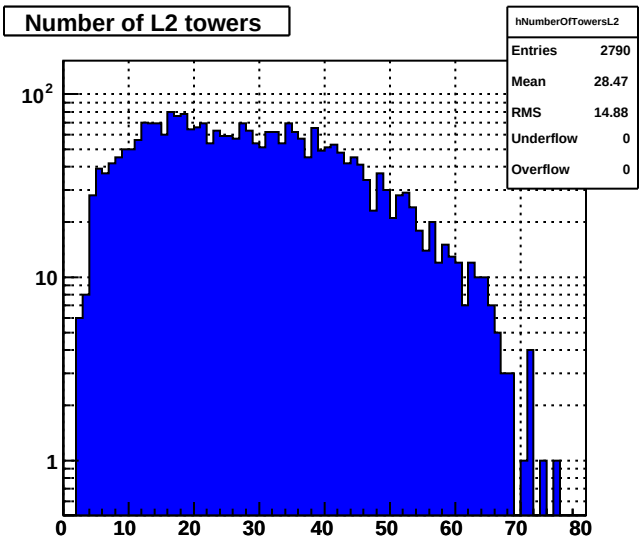
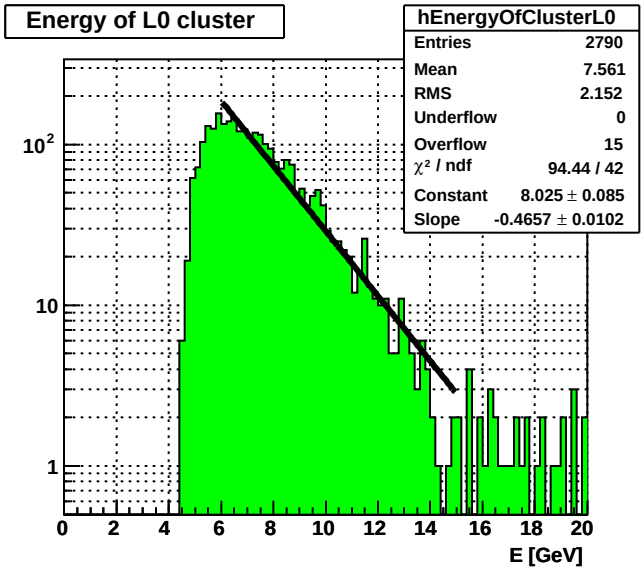
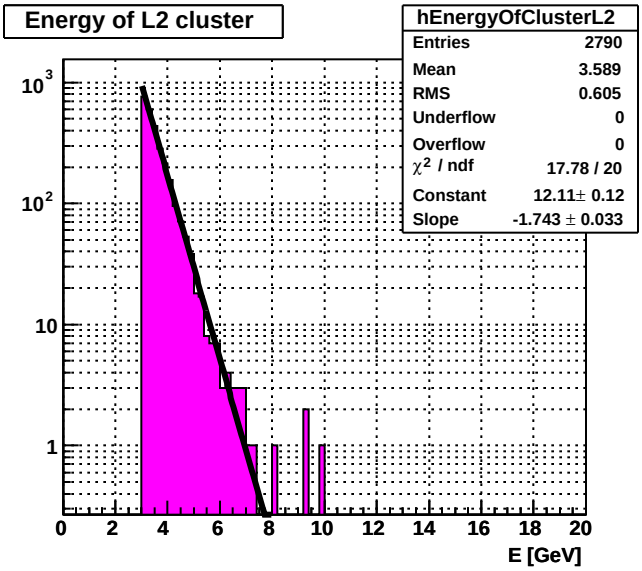

L0 tower
hEtaPhiL0
Entries 2790
Mean x 0.04457
Mean y 0.03407
RMS x 0.5595
RMS y 1.797
φ [radians]
η

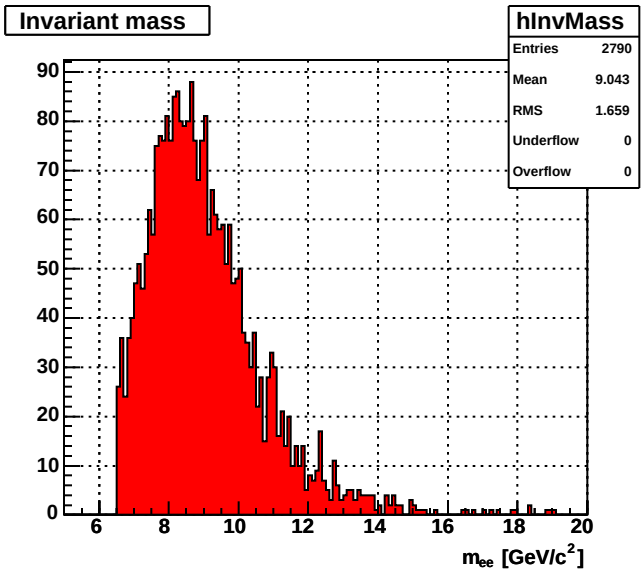

L2 tower
hEtaPhiL2
Entries 2790
Mean x -0.02016
Mean y -0.01374
RMS x 0.4623
RMS y 1.796
φ [radians]
η

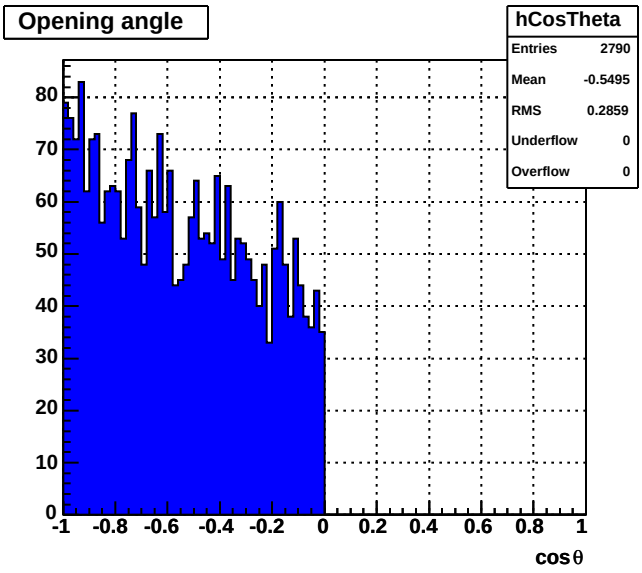

Number of L0 towers
hNumberOfTowersL0
Entries 2790
Mean 1.016
RMS 0.1356
Underflow 0
Overflow 0

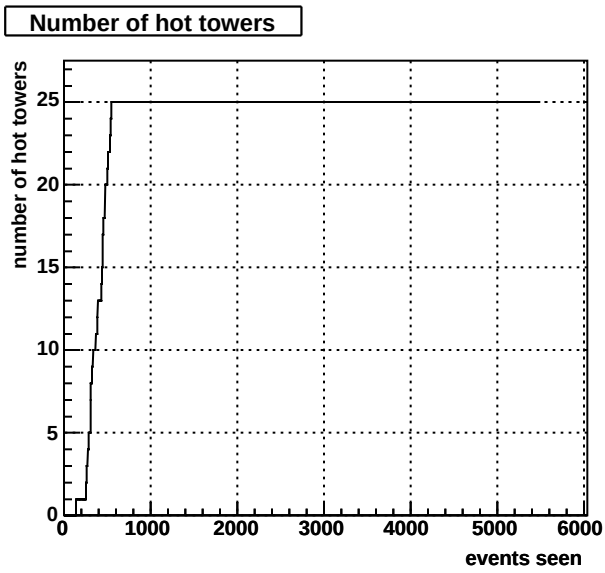

Number of L2 towers
hNumberOfTowersL2
Entries 2790
Mean 28.47
RMS 14.88
Underflow 0
Overflow 0

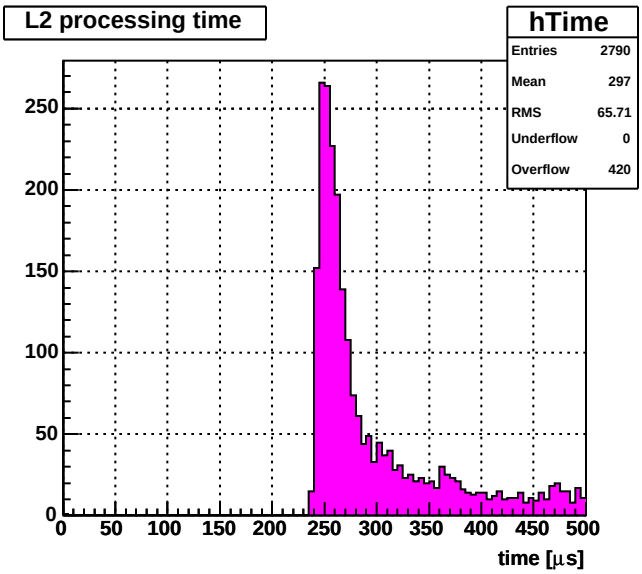

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2790
Mean 7.561
RMS 2.152
Underflow 0
Overflow 15
χ² / ndf 94.44 / 42
Constant 8.025 ± 0.085
Slope -0.4657 ± 0.0102
E [GeV]

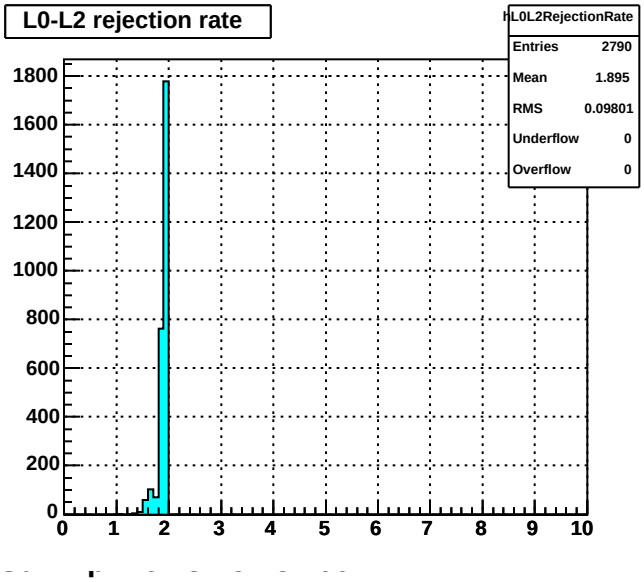

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2790
Mean 3.589
RMS 0.605
Underflow 0
Overflow 0
χ² / ndf 17.78 / 20
Constant 12.11± 0.12
Slope -1.743 ± 0.033
E [GeV]

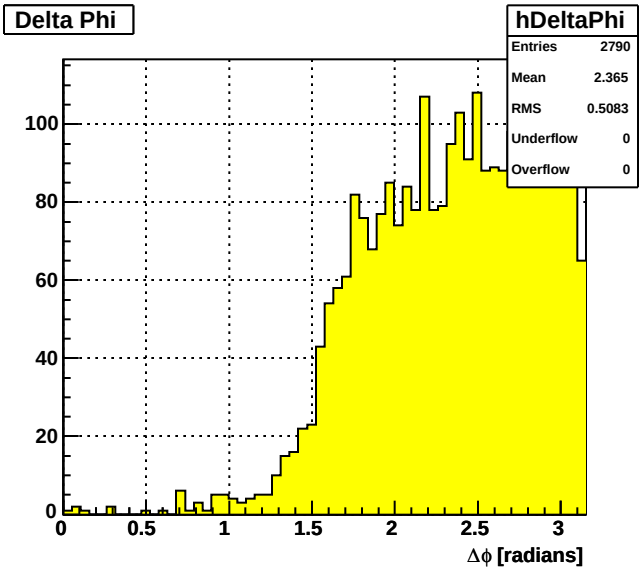

Invariant mass
hInvMass
Entries 2790
Mean 9.043
RMS 1.659
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

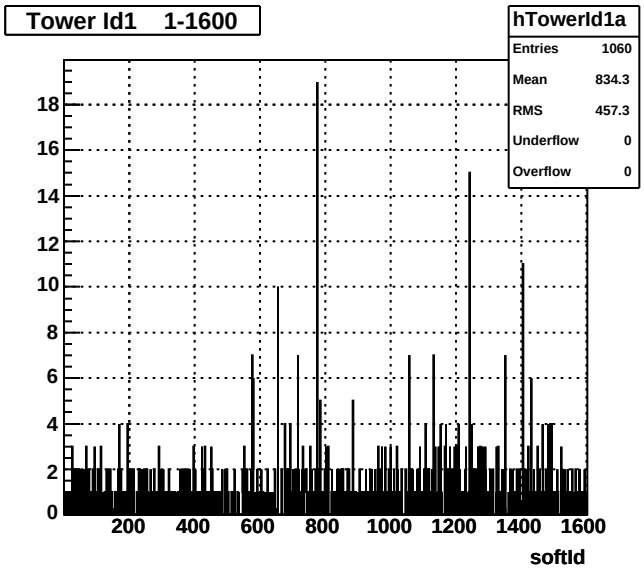

Opening angle
hCosTheta
Entries 2790
Mean -0.5495
RMS 0.2859
Underflow 0
Overflow 0
cos θ

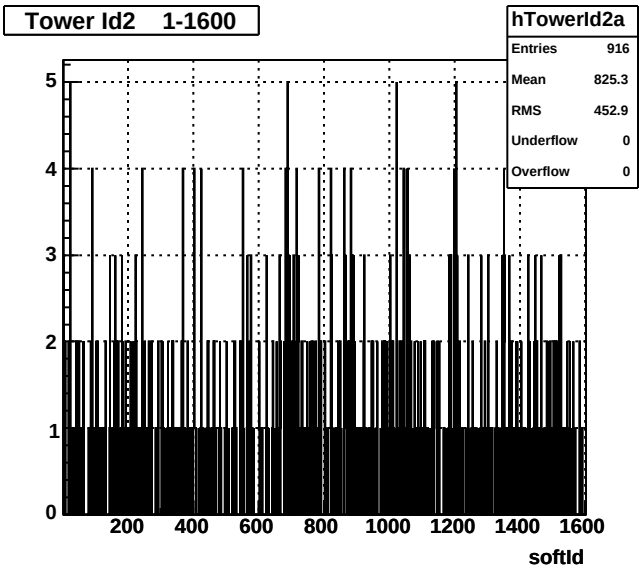

Number of hot towers
number of hot towers
events seen

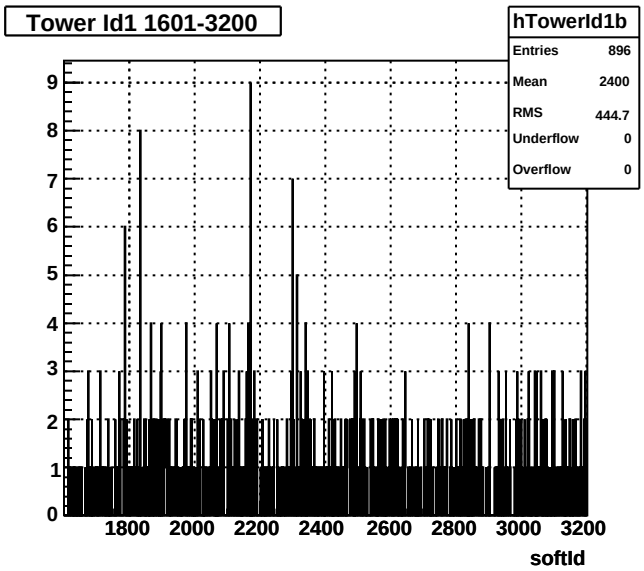

L2 processing time
hTime
Entries 2790
Mean 297
RMS 65.71
Underflow 0
Overflow 420
time [μs]

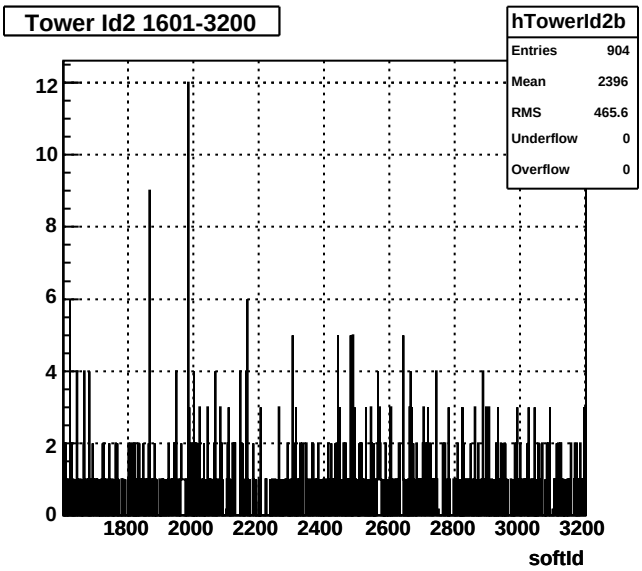

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2790
Mean 1.895
RMS 0.09801
Underflow 0
Overflow 0

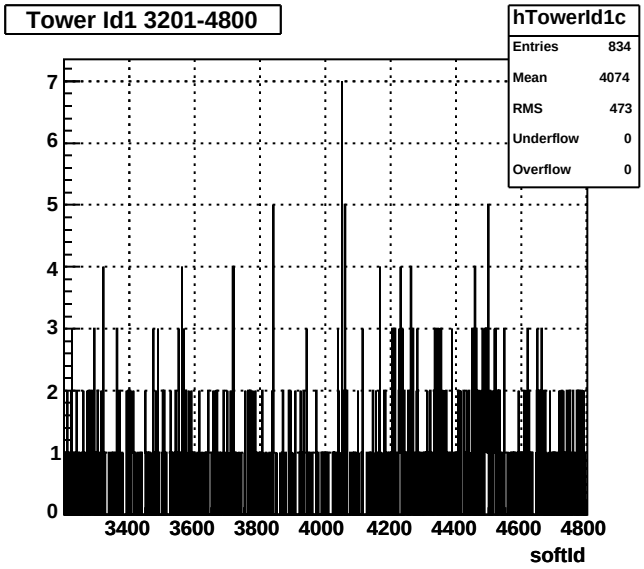

Delta Phi
hDeltaPhi
Entries 2790
Mean 2.365
RMS 0.5083
Underflow 0
Overflow 0
Δφ [radians]

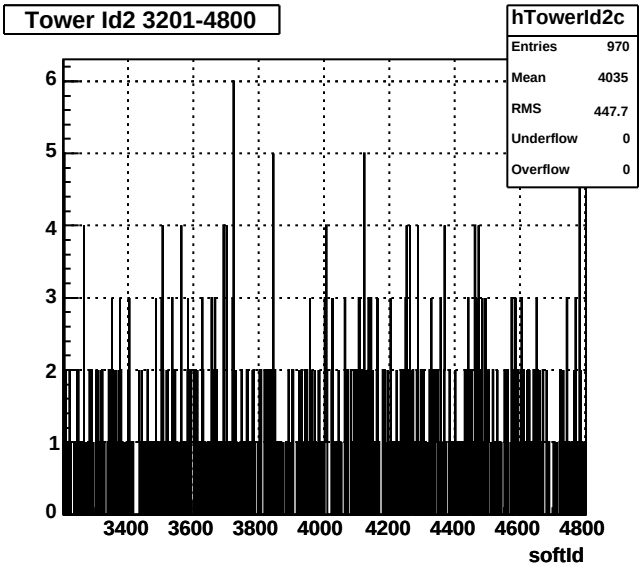

Tower Id1 1-1600
hTowerId1a
Entries 1060
Mean 834.3
RMS 457.3
Underflow 0
Overflow 0
softId

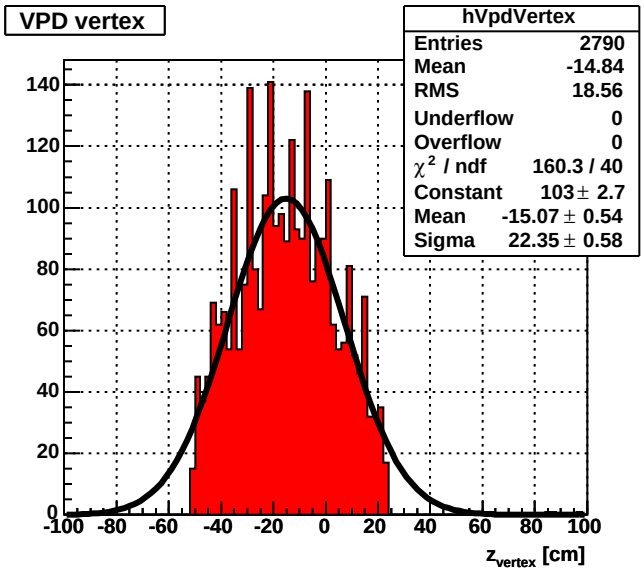

Tower Id2 1-1600
hTowerId2a
Entries 916
Mean 825.3
RMS 452.9
Underflow 0
Overflow 0
softId

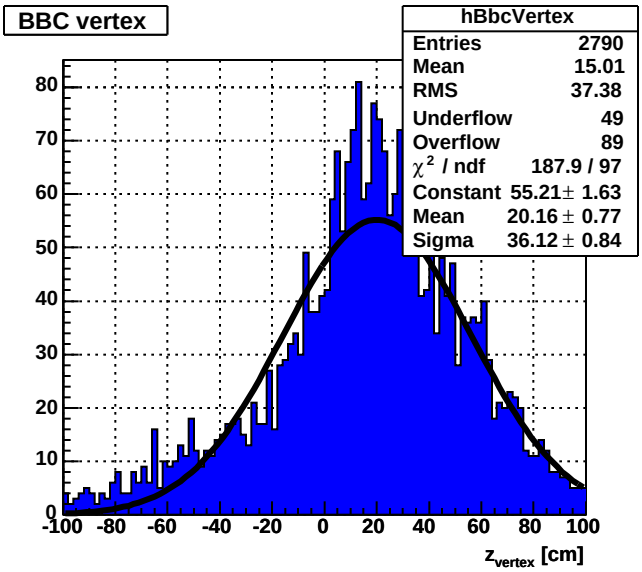

Tower Id1 1601-3200
hTowerId1b
Entries 896
Mean 2400
RMS 444.7
Underflow 0
Overflow 0
softId

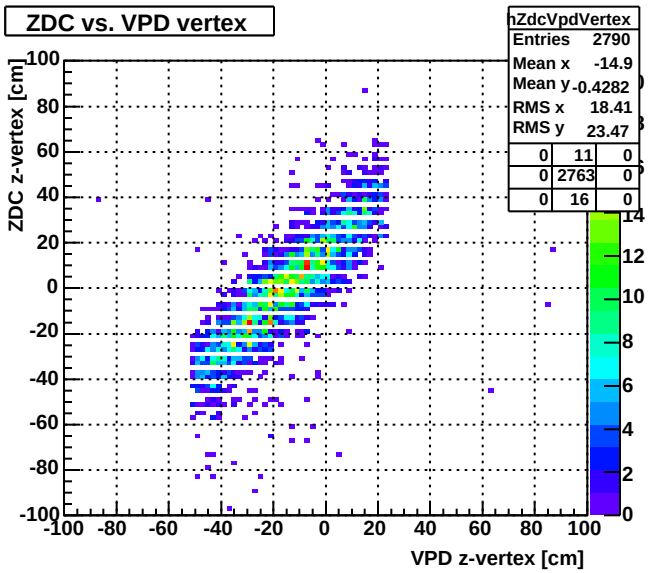

Tower Id2 1601-3200
hTowerId2b
Entries 904
Mean 2396
RMS 465.6
Underflow 0
Overflow 0
softId

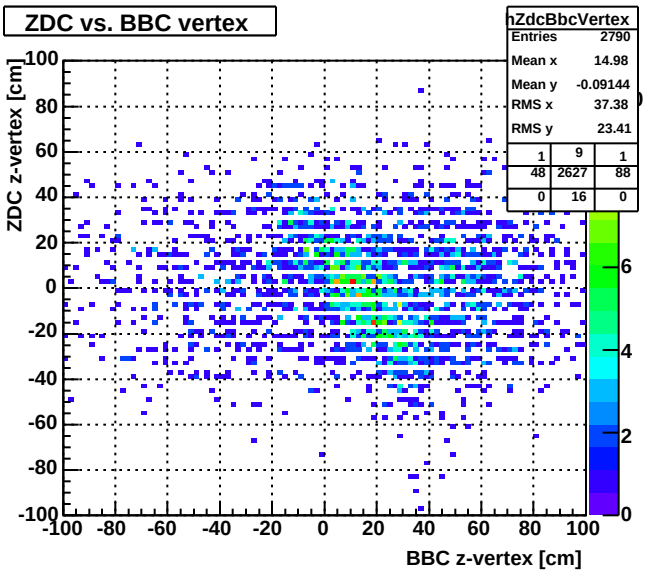

Tower Id1 3201-4800
hTowerId1c
Entries 834
Mean 4074
RMS 473
Underflow 0
Overflow 0
softId

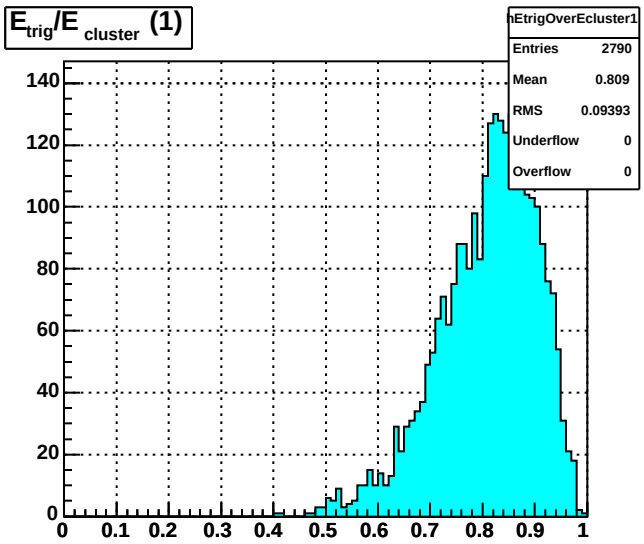

Tower Id2 3201-4800
hTowerId2c
Entries 970
Mean 4035
RMS 447.7
Underflow 0
Overflow 0
softId

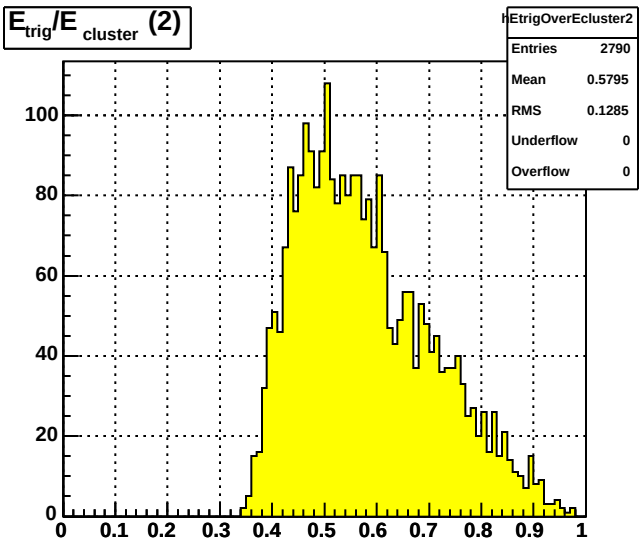

VPD vertex
hVpdVertex
Entries 2790
Mean -14.84
RMS 18.56
Underflow 0
Overflow 0
χ² / ndf 160.3 / 40
Constant 103 ± 2.7
Mean -15.07 ± 0.54
Sigma 22.35 ± 0.58
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2790
Mean 15.01
RMS 37.38
Underflow 49
Overflow 89
χ² / ndf 187.9 / 97
Constant 55.21 ± 1.63
Mean 20.16 ± 0.77
Sigma 36.12 ± 0.84
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2790
Mean x -14.9
Mean y -0.4282
RMS x 18.41
RMS y 23.47
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2790
Mean x 14.98
Mean y -0.09144
RMS x 37.38
RMS y 23.41
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2790
Mean 0.809
RMS 0.09393
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2790
Mean 0.5795
RMS 0.1285
Underflow 0
Overflow 0