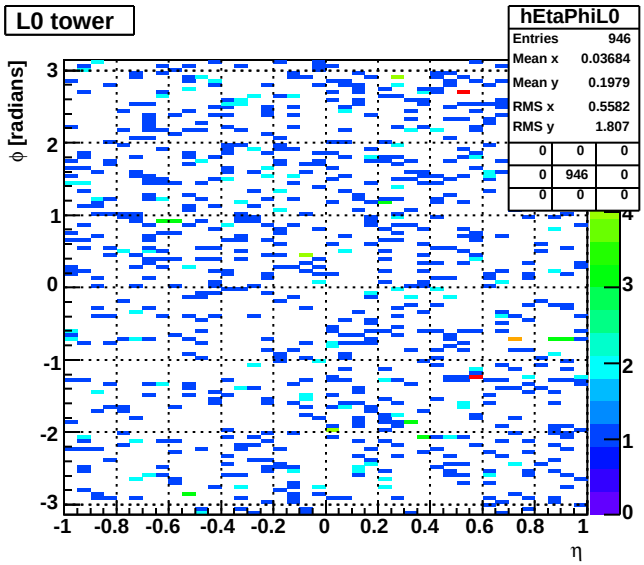
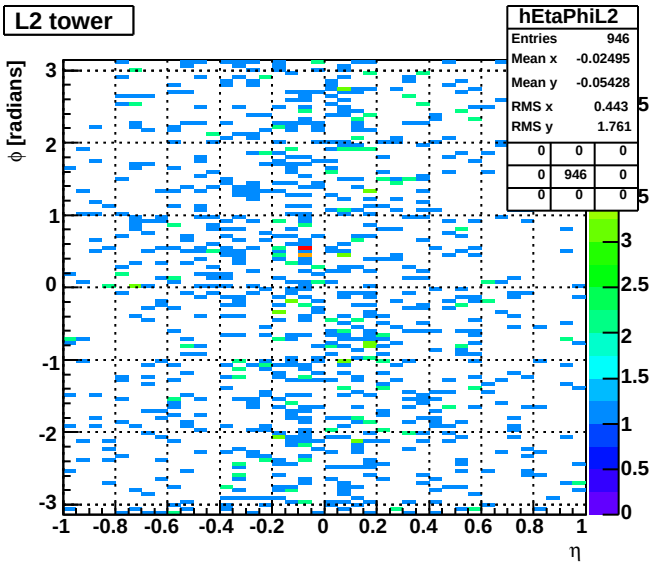
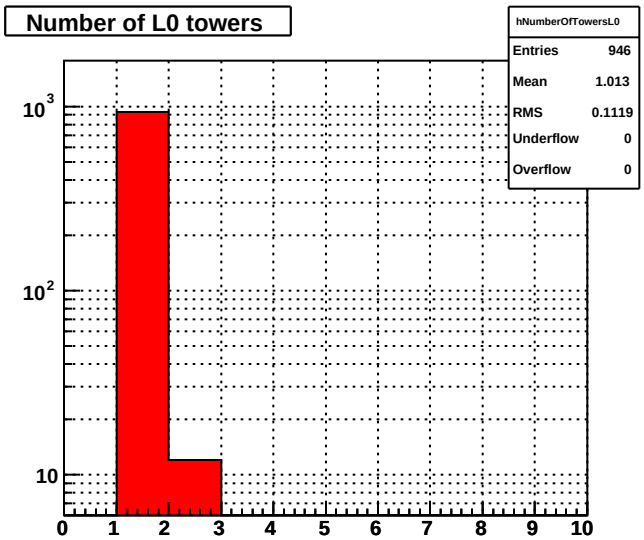
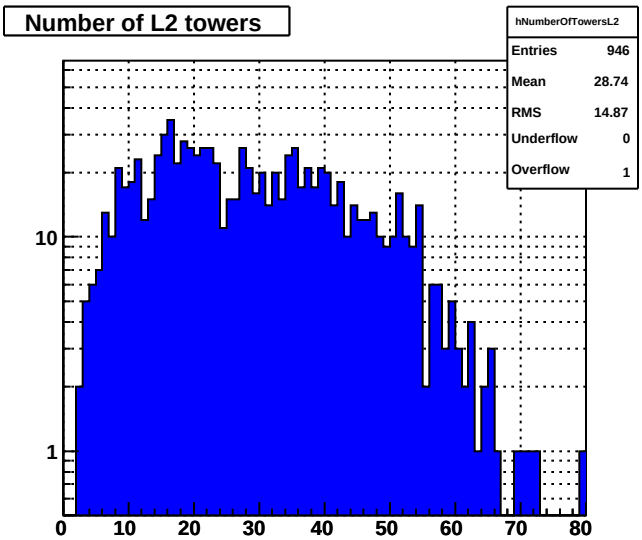
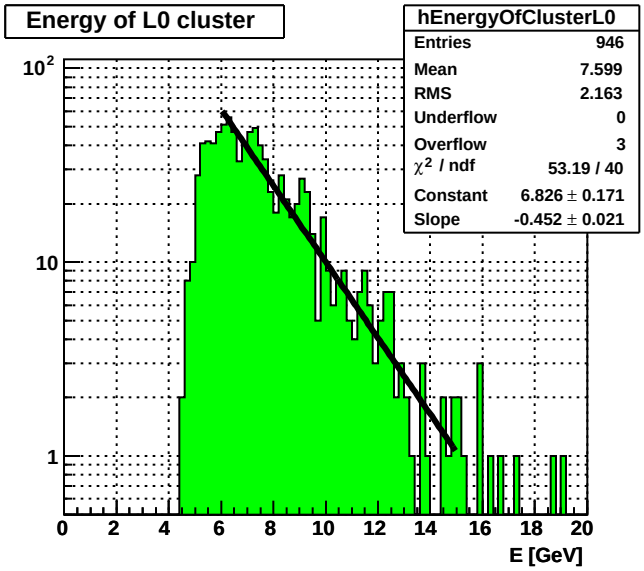
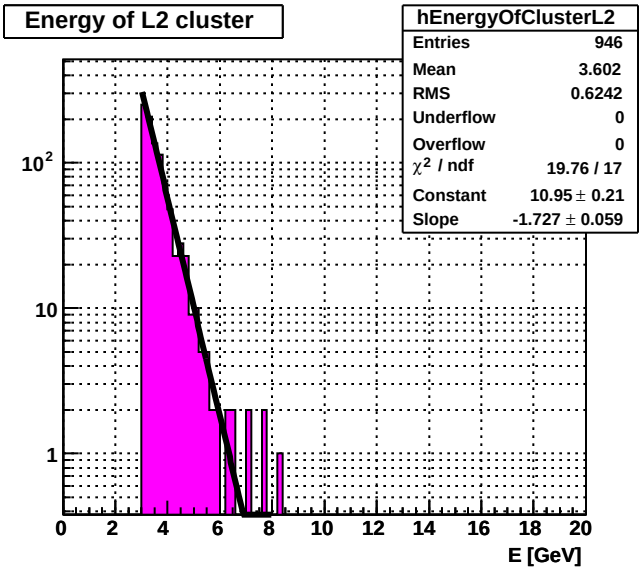

L0 tower
hEtaPhiL0
Entries 946
Mean x 0.03684
Mean y 0.1979
RMS x 0.5582
RMS y 1.807
φ [radians]
η

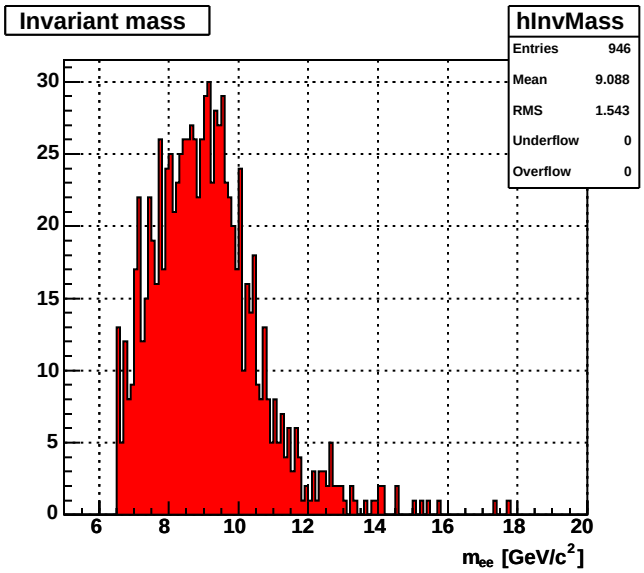

L2 tower
hEtaPhiL2
Entries 946
Mean x -0.02495
Mean y -0.05428
RMS x 0.443
RMS y 1.761
φ [radians]
η

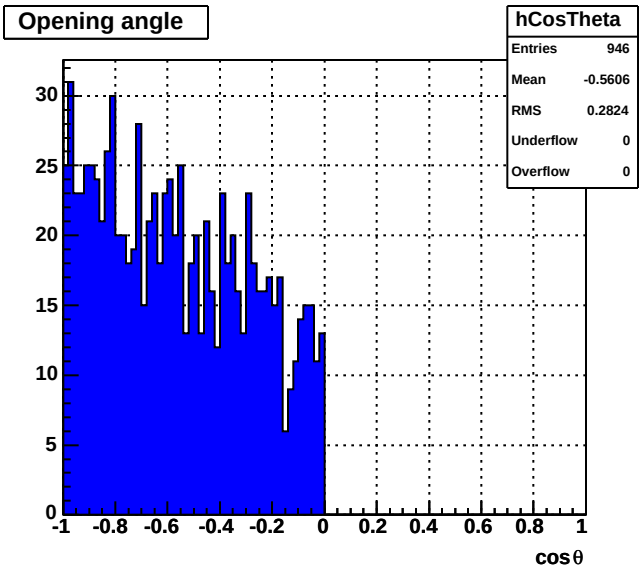

Number of L0 towers
hNumberOfTowersL0
Entries 946
Mean 1.013
RMS 0.1119
Underflow 0
Overflow 0

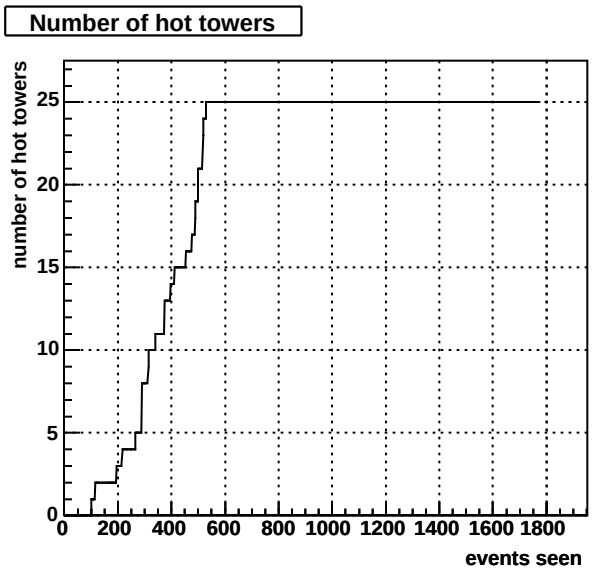

Number of L2 towers
hNumberOfTowersL2
Entries 946
Mean 28.74
RMS 14.87
Underflow 0
Overflow 1

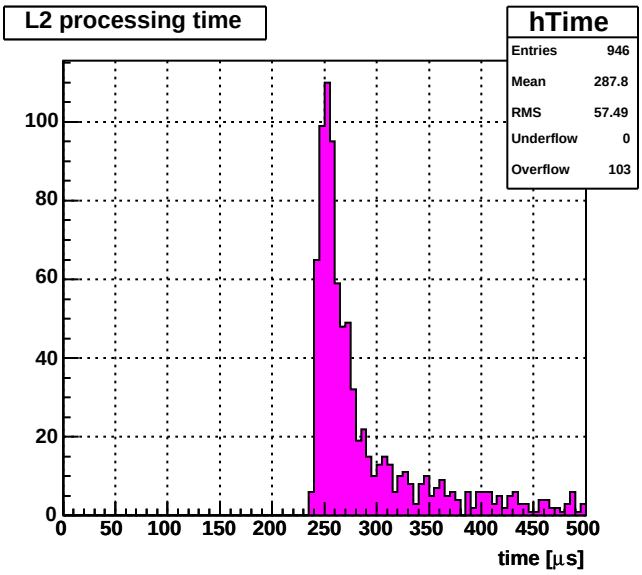

Energy of L0 cluster
hEnergyOfClusterL0
Entries 946
Mean 7.599
RMS 2.163
Underflow 0
Overflow 3
χ² / ndf 53.19 / 40
Constant 6.826 ± 0.171
Slope -0.452 ± 0.021
E [GeV]

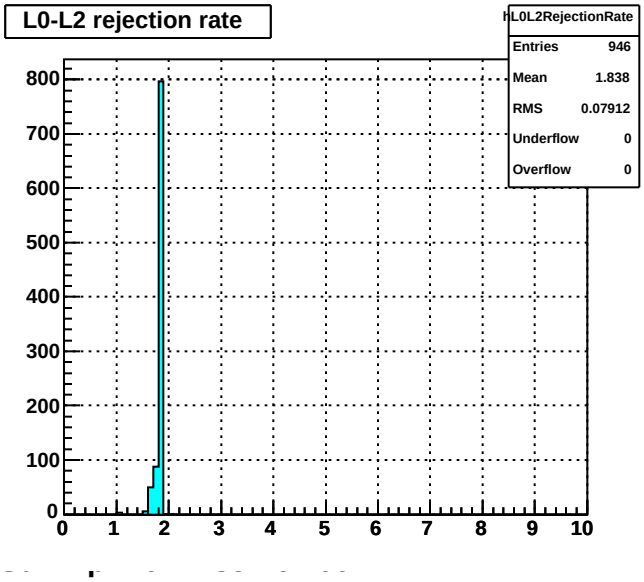

Energy of L2 cluster
hEnergyOfClusterL2
Entries 946
Mean 3.602
RMS 0.6242
Underflow 0
Overflow 0
χ² / ndf 19.76 / 17
Constant 10.95 ± 0.21
Slope -1.727 ± 0.059
E [GeV]

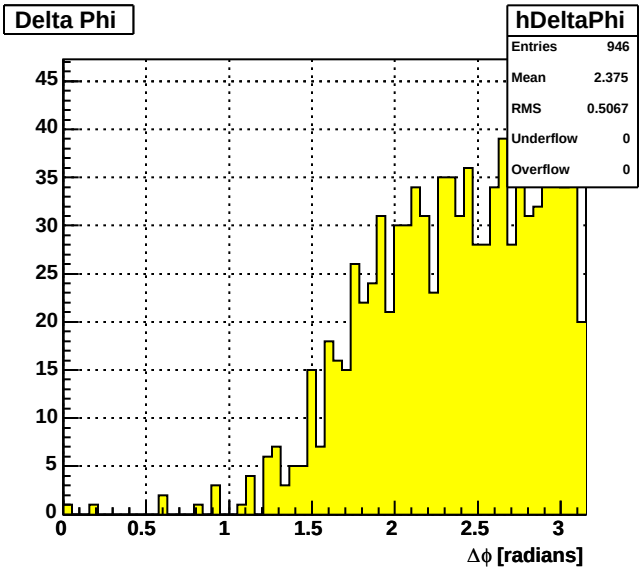

Invariant mass
hInvMass
Entries 946
Mean 9.088
RMS 1.543
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

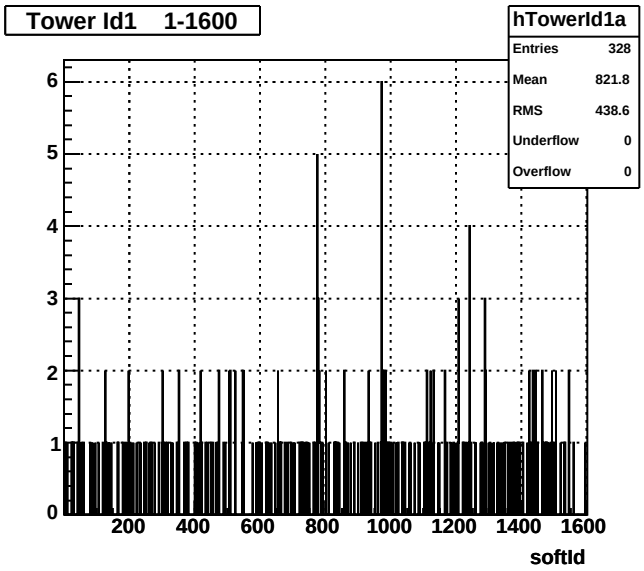

Opening angle
hCosTheta
Entries 946
Mean -0.5606
RMS 0.2824
Underflow 0
Overflow 0
cos θ

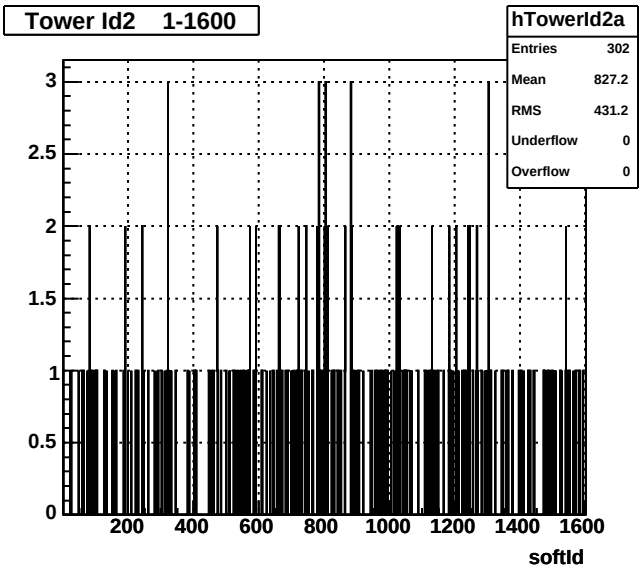

Number of hot towers
number of hot towers
events seen

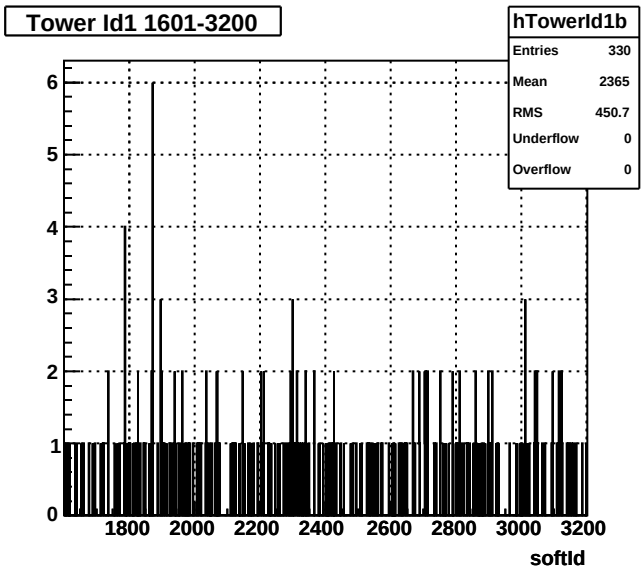

L2 processing time
hTime
Entries 946
Mean 287.8
RMS 57.49
Underflow 0
Overflow 103
time [μs]

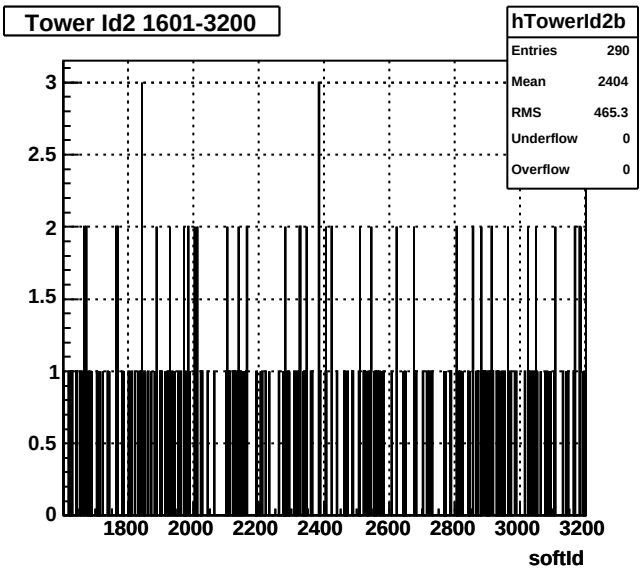

L0-L2 rejection rate
hL0L2RejectionRate
Entries 946
Mean 1.838
RMS 0.07912
Underflow 0
Overflow 0

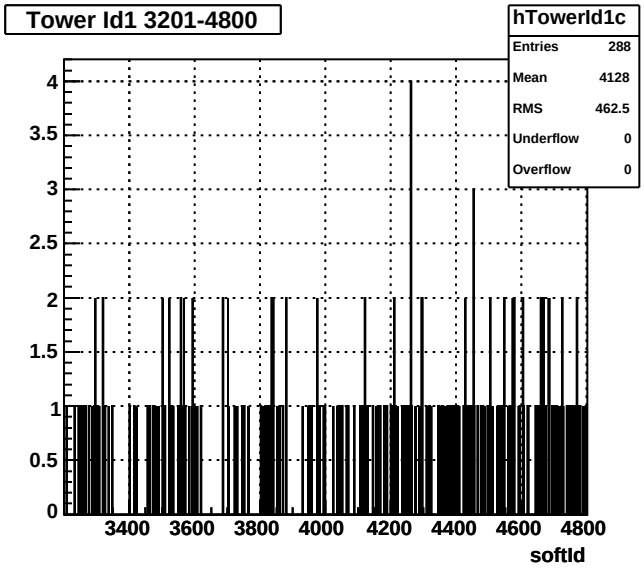

Delta Phi
hDeltaPhi
Entries 946
Mean 2.375
RMS 0.5067
Underflow 0
Overflow 0
Δφ [radians]

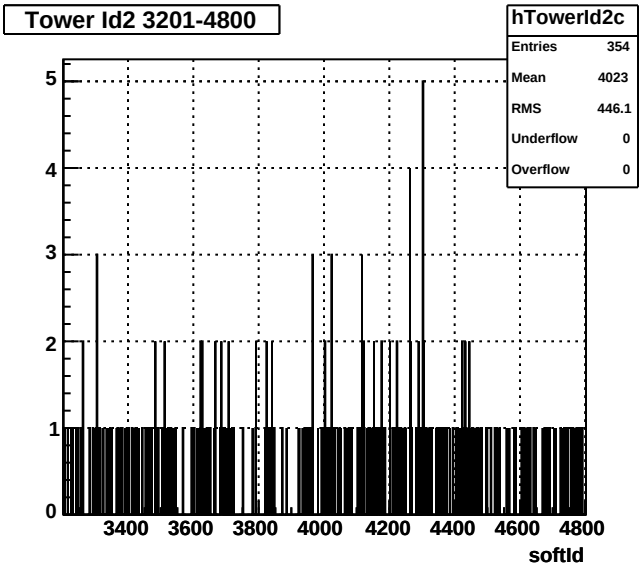

Tower Id1 1-1600
hTowerId1a
Entries 328
Mean 821.8
RMS 438.6
Underflow 0
Overflow 0
softId

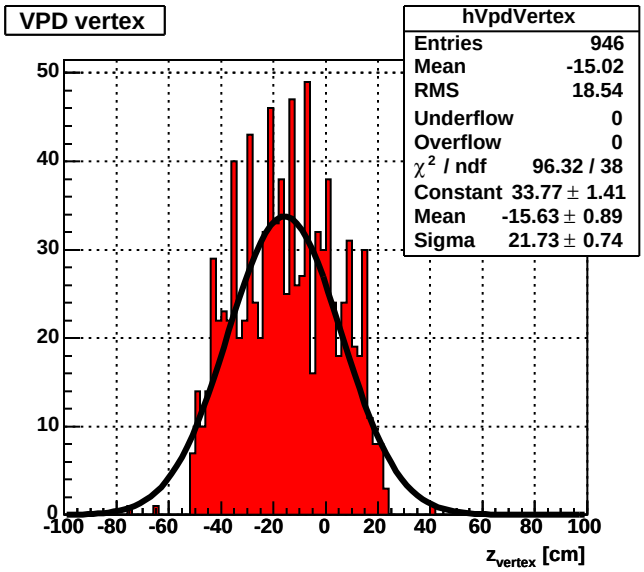

Tower Id2 1-1600
hTowerId2a
Entries 302
Mean 827.2
RMS 431.2
Underflow 0
Overflow 0
softId

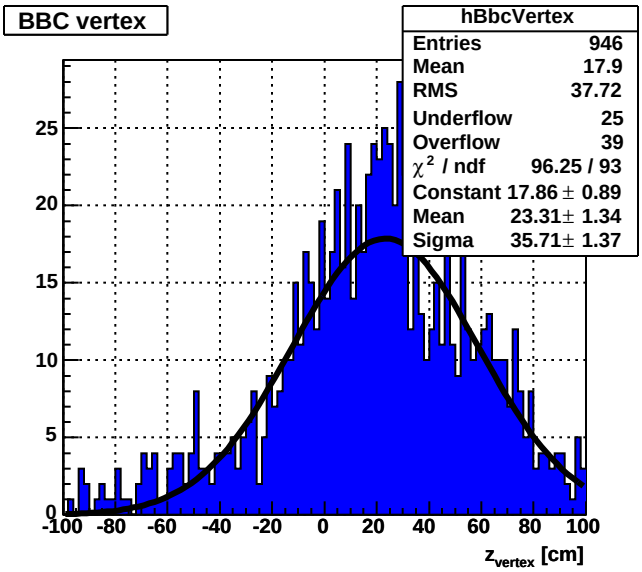

Tower Id1 1601-3200
hTowerId1b
Entries 330
Mean 2365
RMS 450.7
Underflow 0
Overflow 0
softId

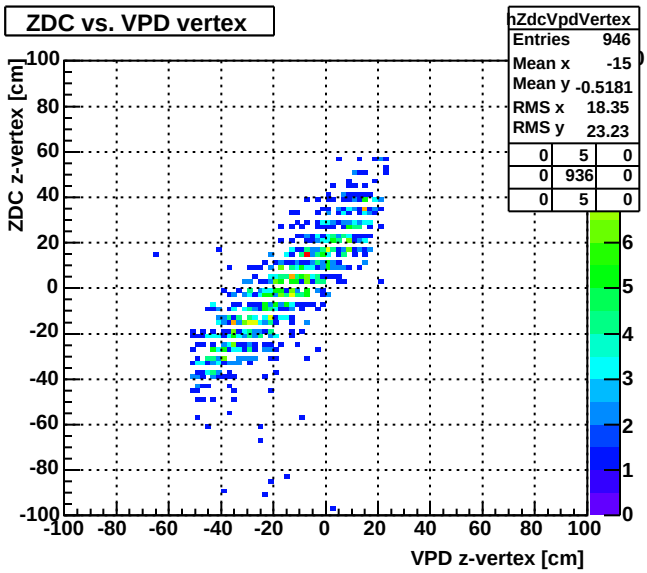

Tower Id2 1601-3200
hTowerId2b
Entries 290
Mean 2404
RMS 465.3
Underflow 0
Overflow 0
softId

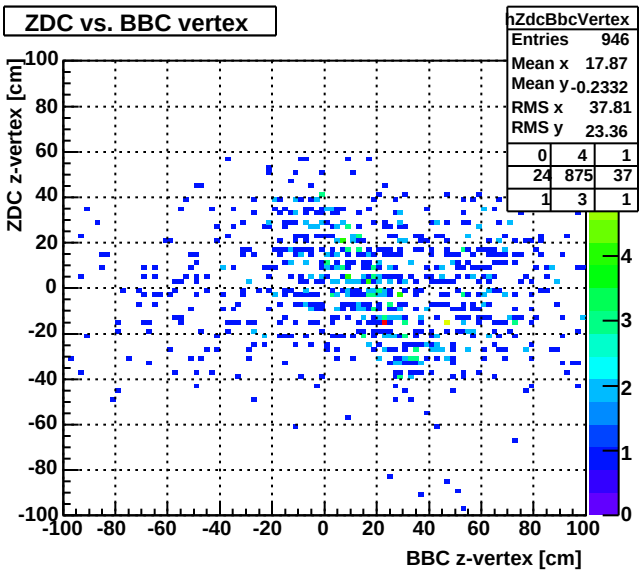

Tower Id1 3201-4800
hTowerId1c
Entries 288
Mean 4128
RMS 462.5
Underflow 0
Overflow 0
softId

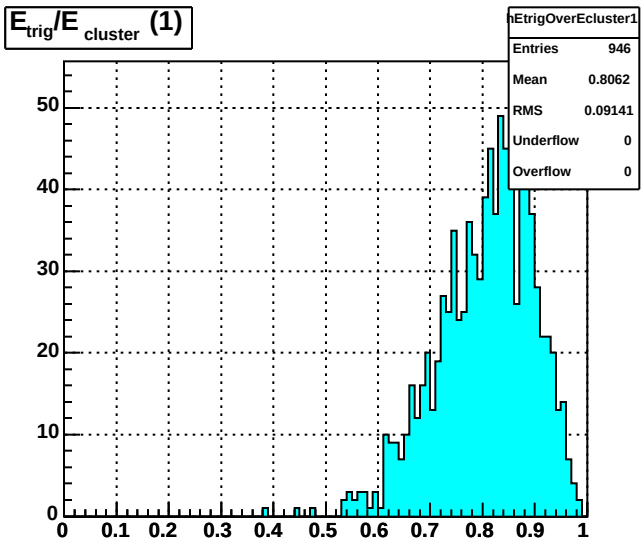

Tower Id2 3201-4800
hTowerId2c
Entries 354
Mean 4023
RMS 446.1
Underflow 0
Overflow 0
softId

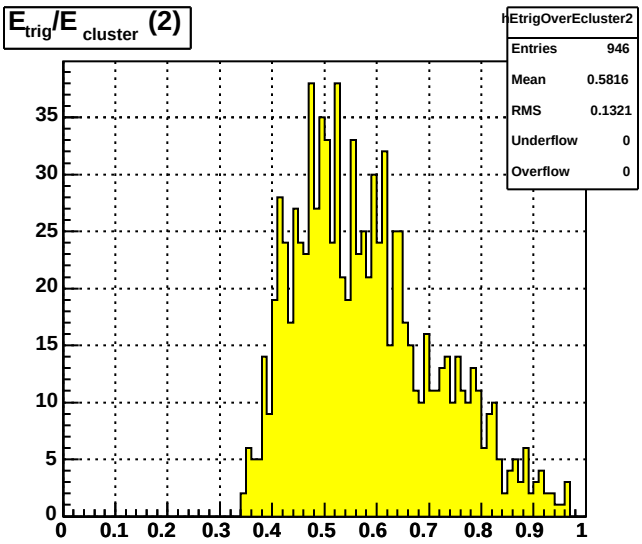

VPD vertex
hVpdVertex
Entries 946
Mean -15.02
RMS 18.54
Underflow 0
Overflow 0
χ² / ndf 96.32 / 38
Constant 33.77 ± 1.41
Mean -15.63 ± 0.89
Sigma 21.73 ± 0.74
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 946
Mean 17.9
RMS 37.72
Underflow 25
Overflow 39
χ² / ndf 96.25 / 93
Constant 17.86 ± 0.89
Mean 23.31 ± 1.34
Sigma 35.71 ± 1.37
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 946
Mean x -15
Mean y -0.5181
RMS x 18.35
RMS y 23.23
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 946
Mean x 17.87
Mean y -0.2332
RMS x 37.81
RMS y 23.36
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 946
Mean 0.8062
RMS 0.09141
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 946
Mean 0.5816
RMS 0.1321
Underflow 0
Overflow 0