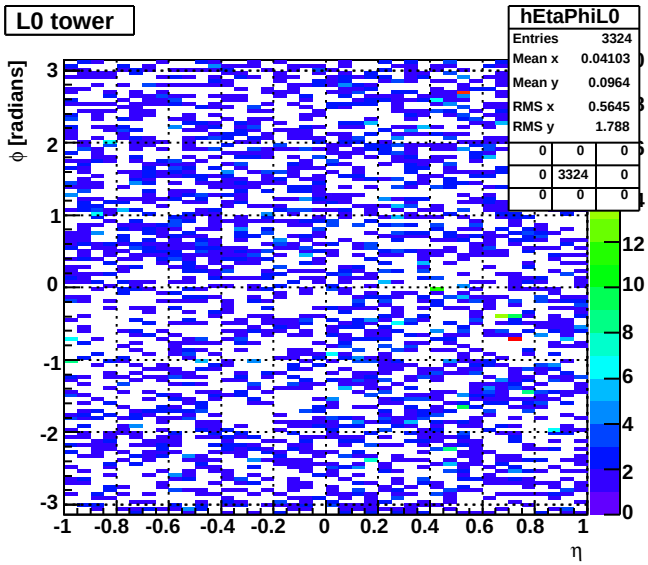
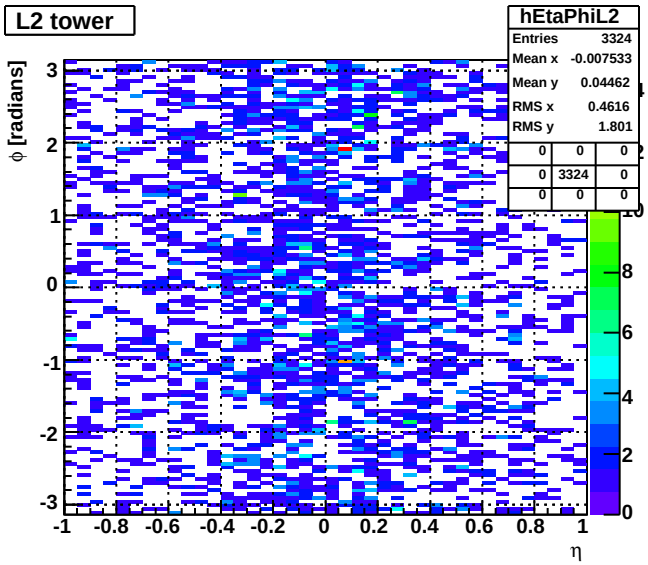
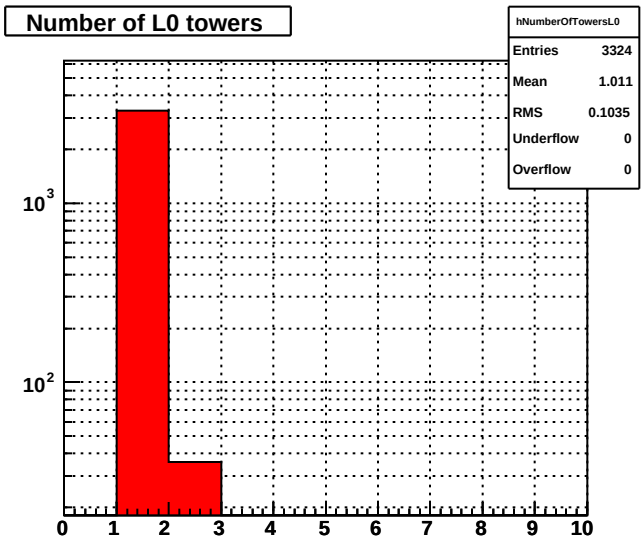
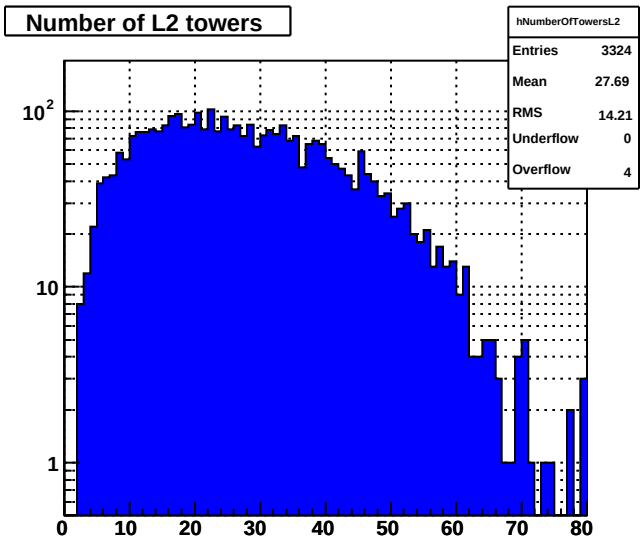
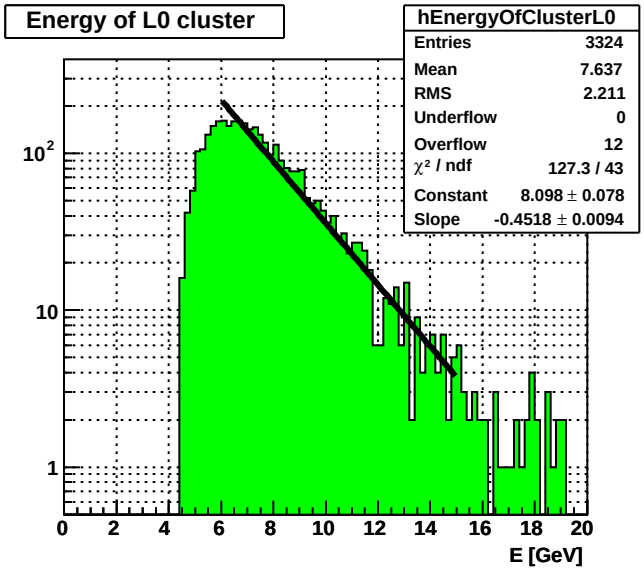
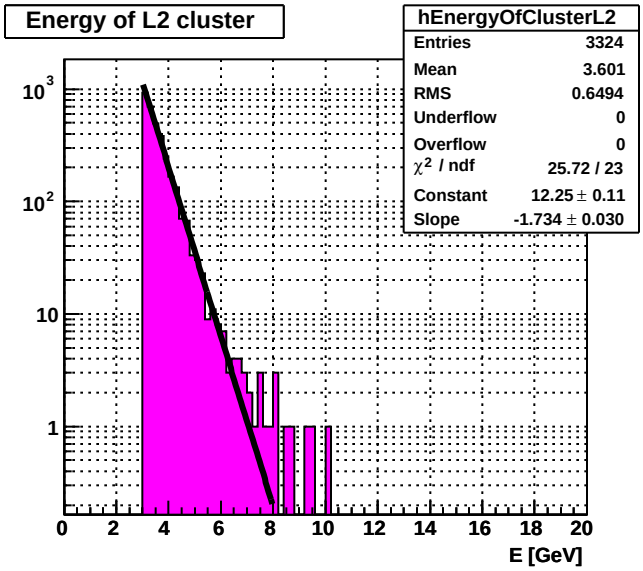

L0 tower
hEtaPhiL0
Entries 3324
Mean x 0.04103
Mean y 0.0964
RMS x 0.5645
RMS y 1.788
φ [radians]
η

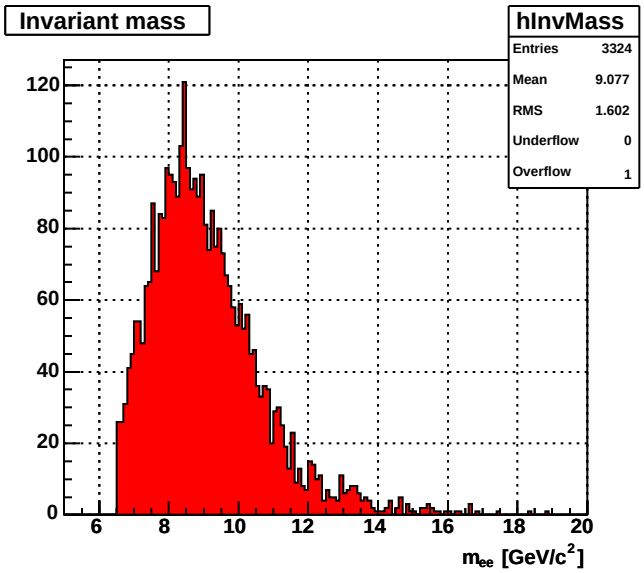

L2 tower
hEtaPhiL2
Entries 3324
Mean x -0.007533
Mean y 0.04462
RMS x 0.4616
RMS y 1.801
φ [radians]
η

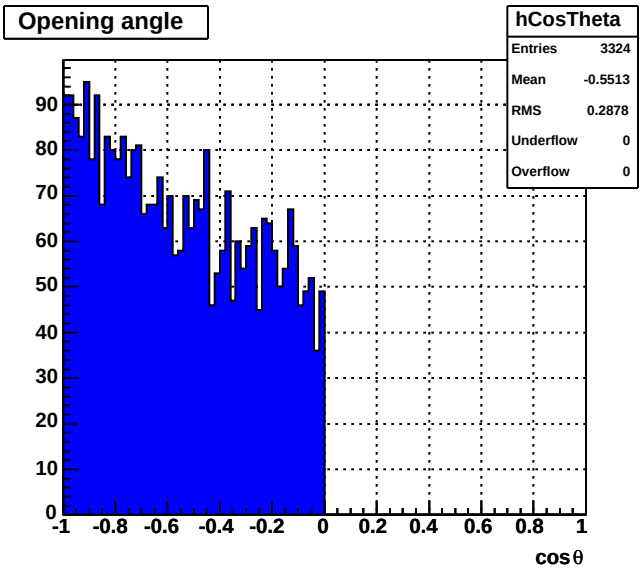

Number of L0 towers
hNumberOfTowersL0
Entries 3324
Mean 1.011
RMS 0.1035
Underflow 0
Overflow 0

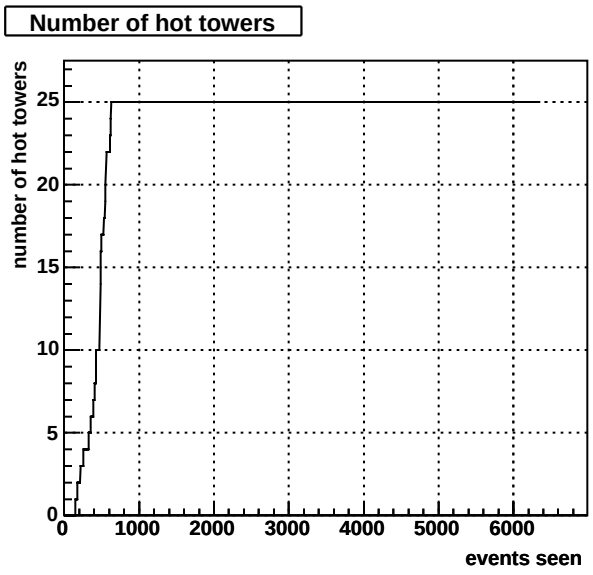

Number of L2 towers
hNumberOfTowersL2
Entries 3324
Mean 27.69
RMS 14.21
Underflow 0
Overflow 4

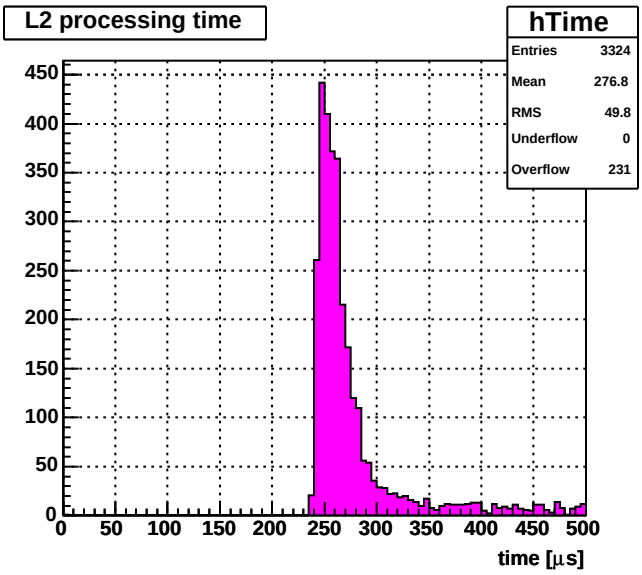

Energy of L0 cluster
hEnergyOfClusterL0
Entries 3324
Mean 7.637
RMS 2.211
Underflow 0
Overflow 12
χ² / ndf 127.3 / 43
Constant 8.098 ± 0.078
Slope -0.4518 ± 0.0094
E [GeV]

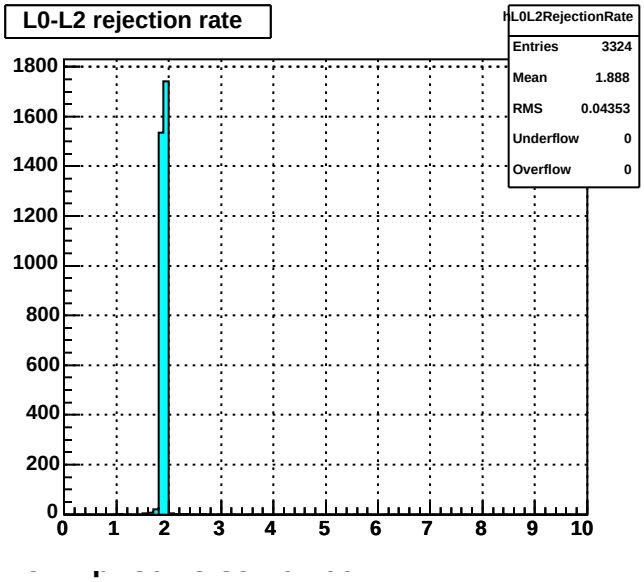

Energy of L2 cluster
hEnergyOfClusterL2
Entries 3324
Mean 3.601
RMS 0.6494
Underflow 0
Overflow 0
χ² / ndf 25.72 / 23
Constant 12.25 ± 0.11
Slope -1.734 ± 0.030
E [GeV]

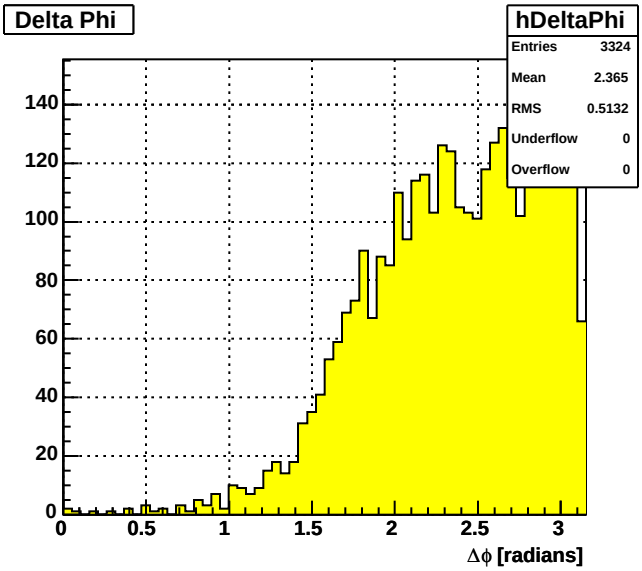

Invariant mass
hInvMass
Entries 3324
Mean 9.077
RMS 1.602
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

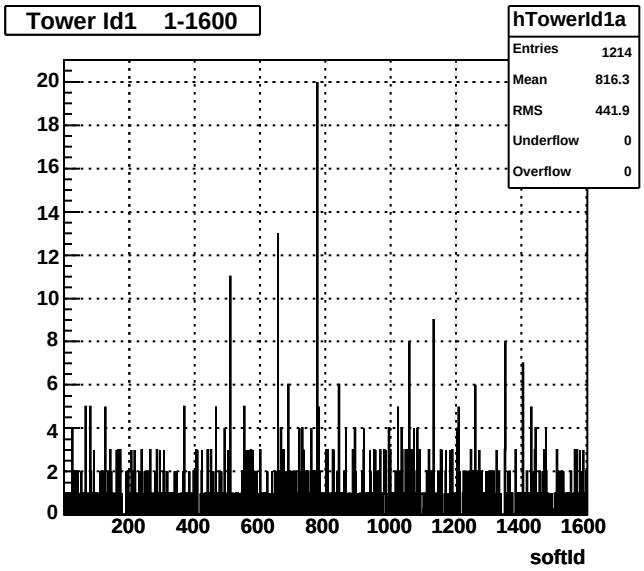

Opening angle
hCosTheta
Entries 3324
Mean -0.5513
RMS 0.2878
Underflow 0
Overflow 0
cos θ

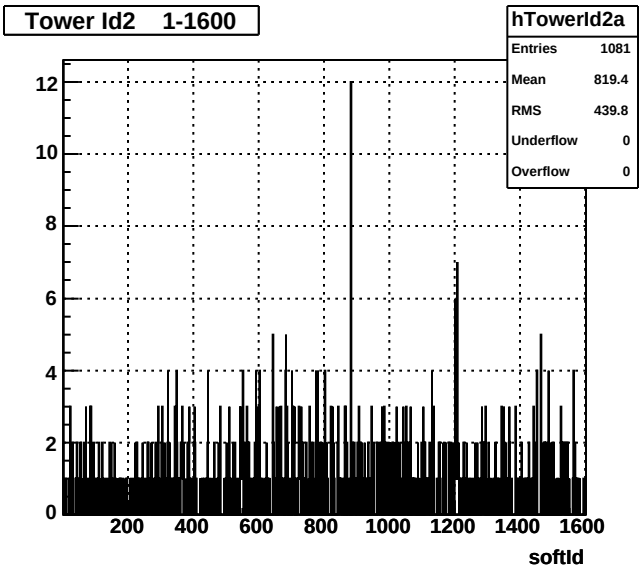

Number of hot towers
number of hot towers
events seen

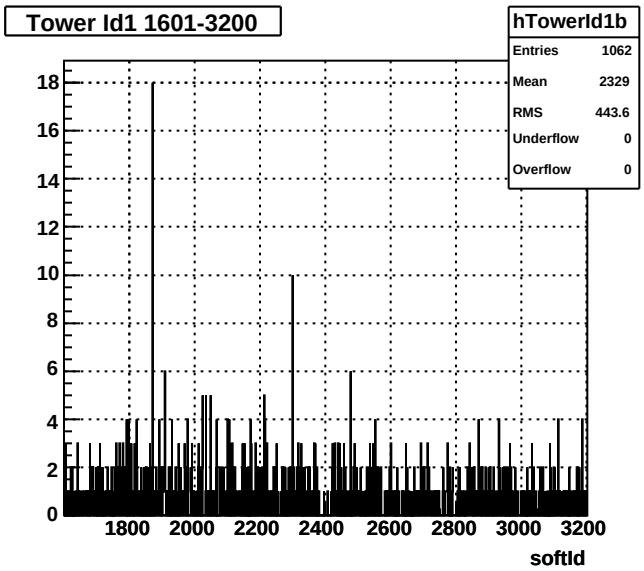

L2 processing time
hTime
Entries 3324
Mean 276.8
RMS 49.8
Underflow 0
Overflow 231
time [μs]

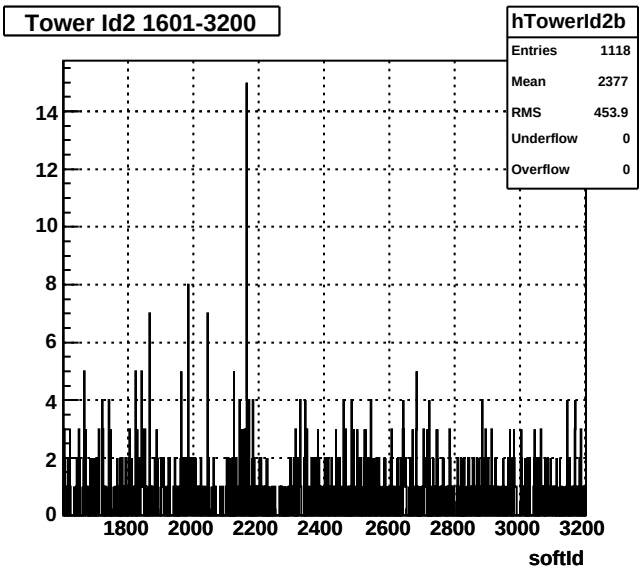

L0-L2 rejection rate
hL0L2RejectionRate
Entries 3324
Mean 1.888
RMS 0.04353
Underflow 0
Overflow 0

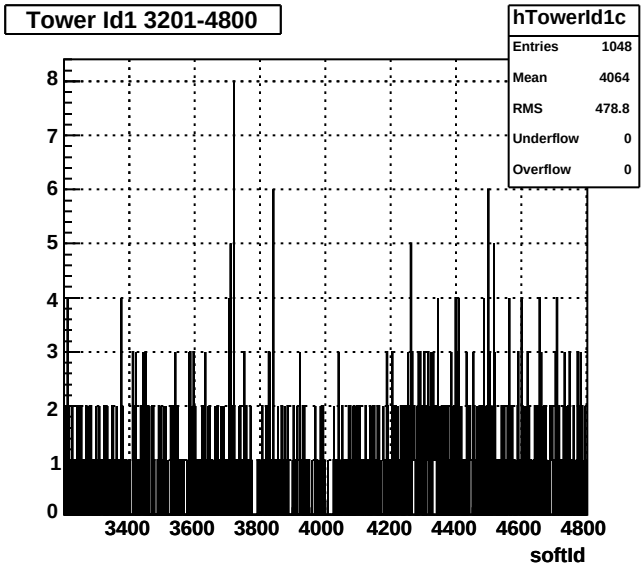

Delta Phi
hDeltaPhi
Entries 3324
Mean 2.365
RMS 0.5132
Underflow 0
Overflow 0
Δφ [radians]

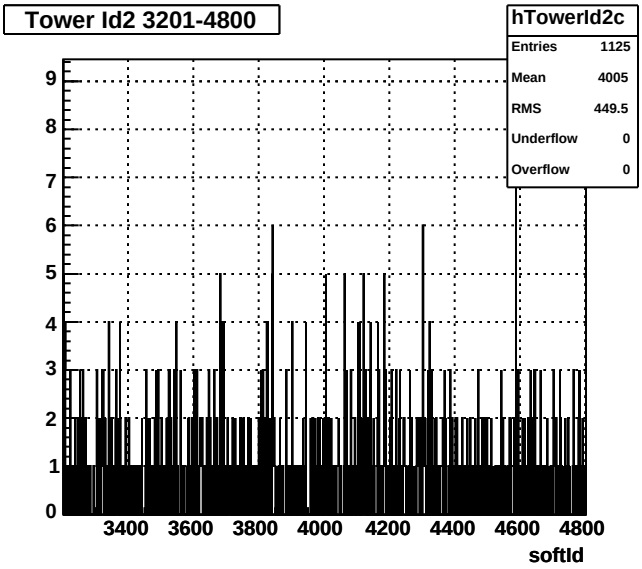

Tower Id1 1-1600
hTowerId1a
Entries 1214
Mean 816.3
RMS 441.9
Underflow 0
Overflow 0
softId

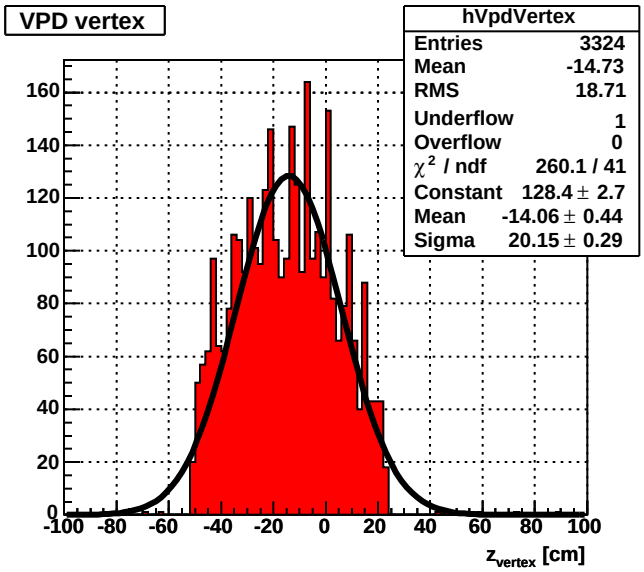

Tower Id2 1-1600
hTowerId2a
Entries 1081
Mean 819.4
RMS 439.8
Underflow 0
Overflow 0
softId

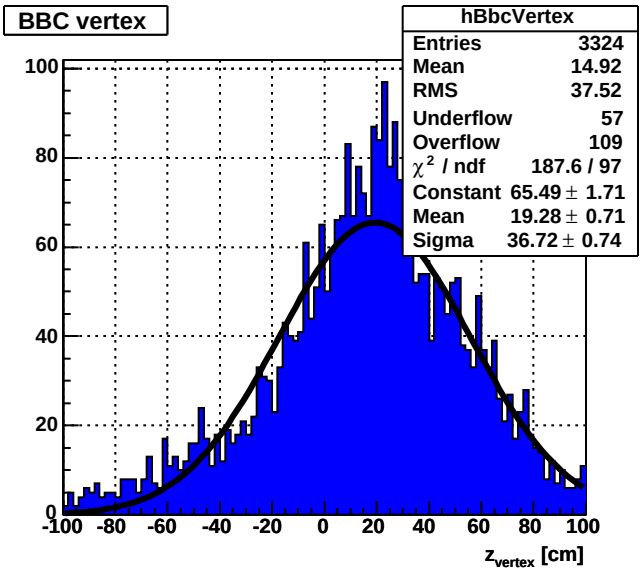

Tower Id1 1601-3200
hTowerId1b
Entries 1062
Mean 2329
RMS 443.6
Underflow 0
Overflow 0
softId

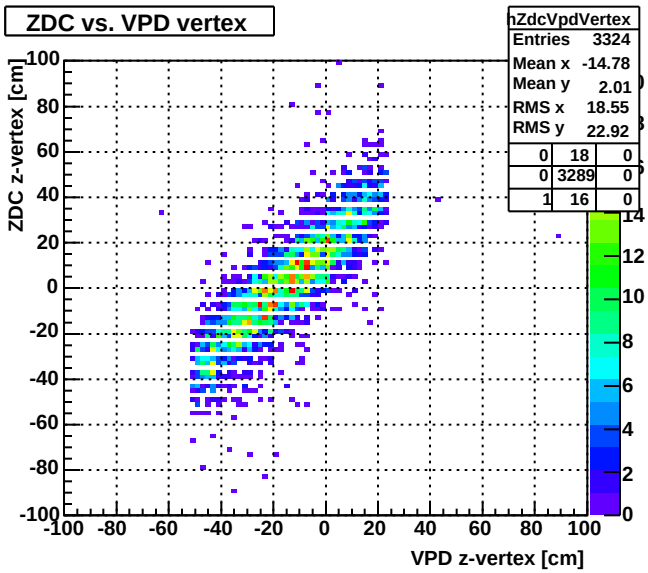

Tower Id2 1601-3200
hTowerId2b
Entries 1118
Mean 2377
RMS 453.9
Underflow 0
Overflow 0
softId

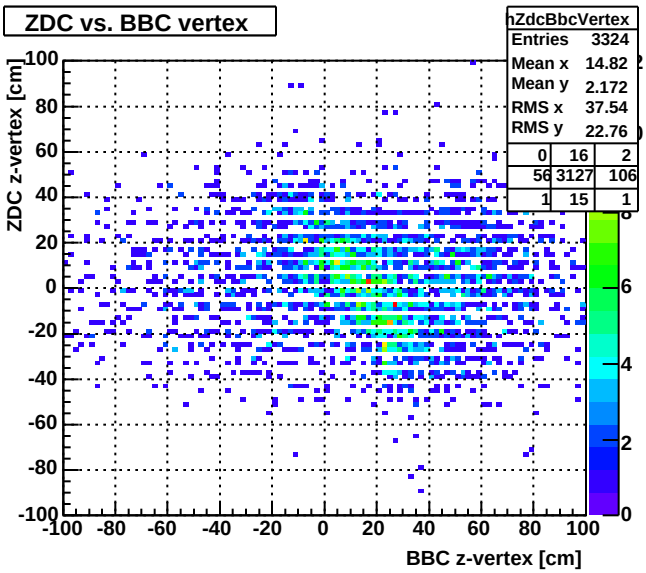

Tower Id1 3201-4800
hTowerId1c
Entries 1048
Mean 4064
RMS 478.8
Underflow 0
Overflow 0
softId

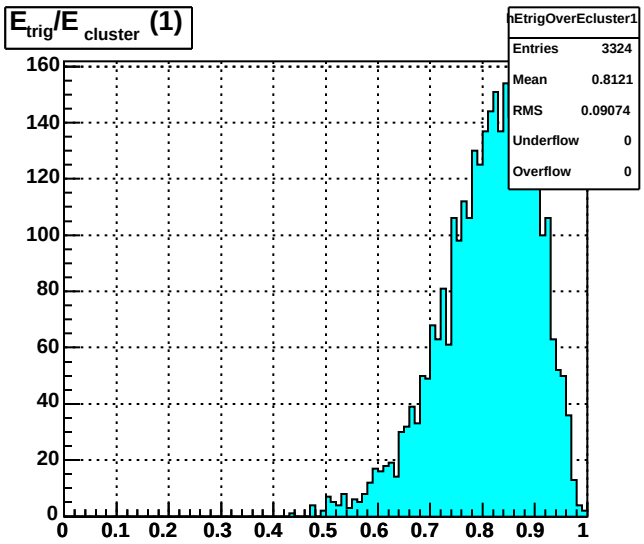

Tower Id2 3201-4800
hTowerId2c
Entries 1125
Mean 4005
RMS 449.5
Underflow 0
Overflow 0
softId

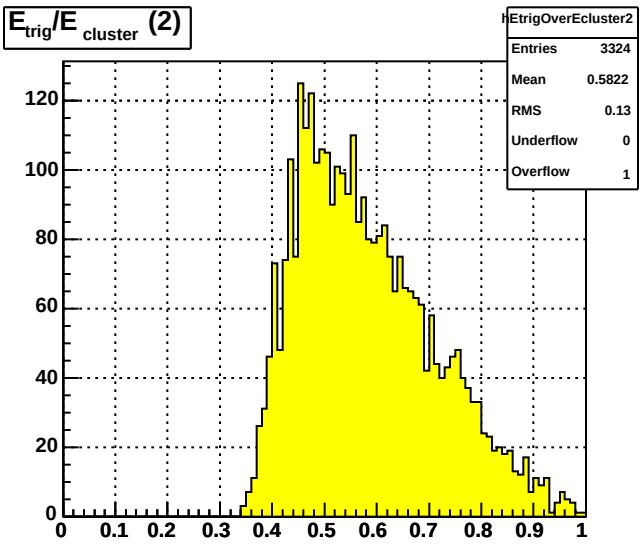

VPD vertex
hVpdVertex
Entries 3324
Mean -14.73
RMS 18.71
Underflow 1
Overflow 0
χ² / ndf 260.1 / 41
Constant 128.4 ± 2.7
Mean -14.06 ± 0.44
Sigma 20.15 ± 0.29
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 3324
Mean 14.92
RMS 37.52
Underflow 57
Overflow 109
χ² / ndf 187.6 / 97
Constant 65.49 ± 1.71
Mean 19.28 ± 0.71
Sigma 36.72 ± 0.74
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 3324
Mean x -14.78
Mean y 2.01
RMS x 18.55
RMS y 22.92
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 3324
Mean x 14.82
Mean y 2.172
RMS x 37.54
RMS y 22.76
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 3324
Mean 0.8121
RMS 0.09074
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 3324
Mean 0.5822
RMS 0.13
Underflow 0
Overflow 1