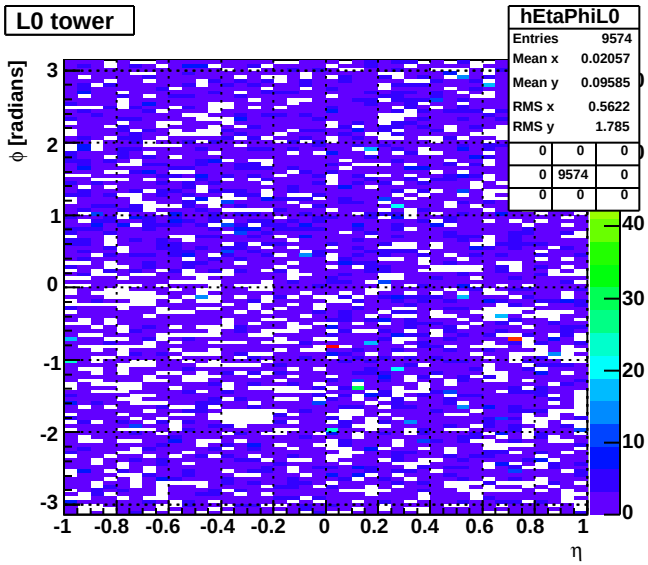
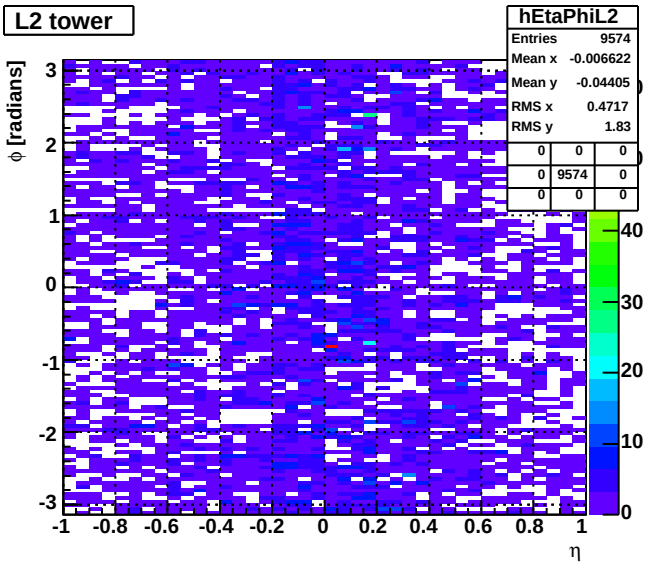
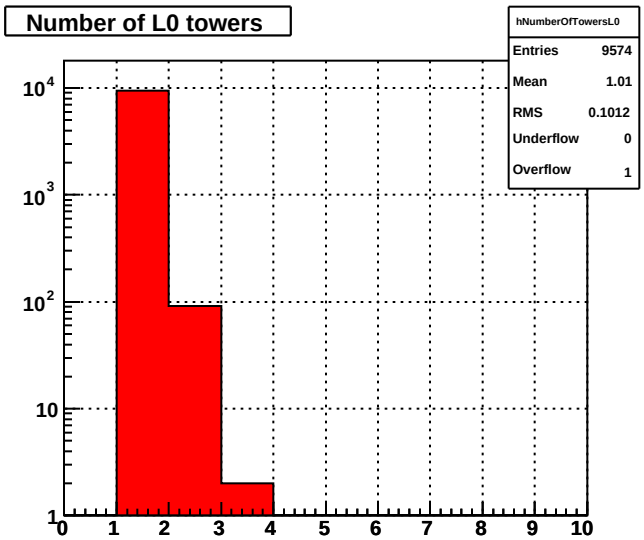
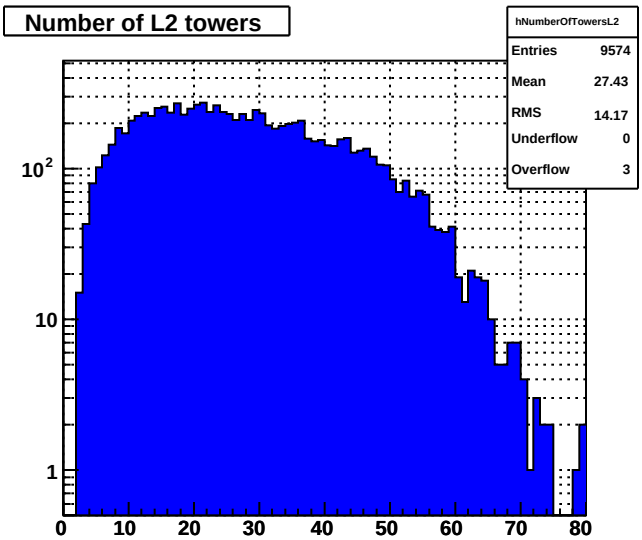
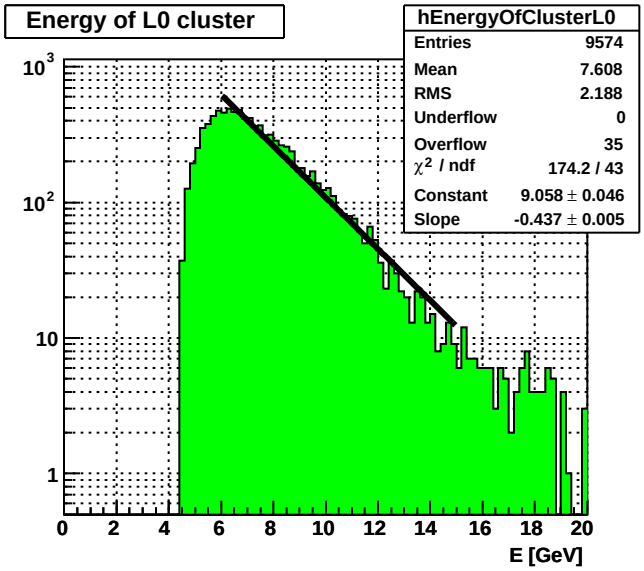
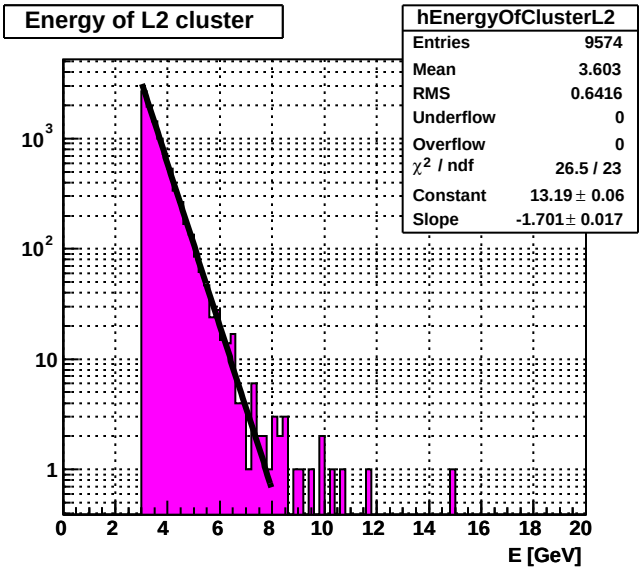

L0 tower
hEtaPhiL0
Entries 9574
Mean x 0.02057
Mean y 0.09585
RMS x 0.5622
RMS y 1.785
φ [radians]
η

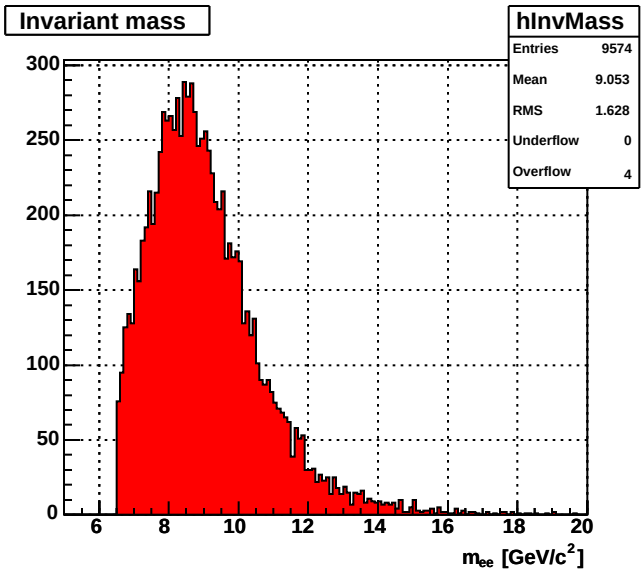

L2 tower
hEtaPhiL2
Entries 9574
Mean x -0.006622
Mean y -0.04405
RMS x 0.4717
RMS y 1.83
φ [radians]
η

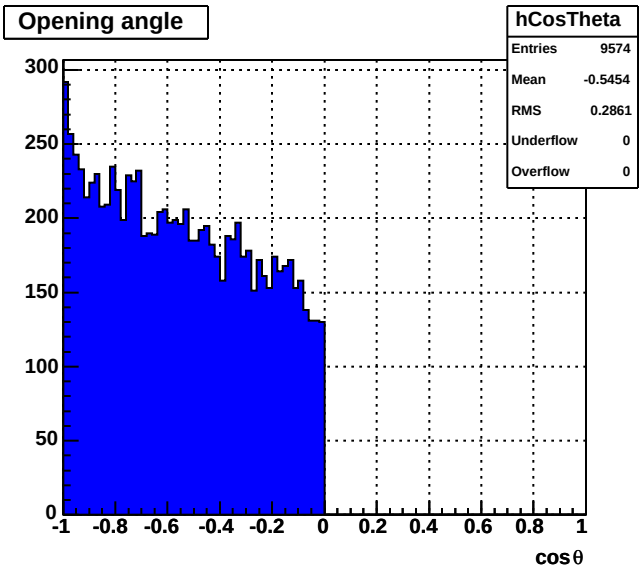

Number of L0 towers
hNumberOfTowersL0
Entries 9574
Mean 1.01
RMS 0.1012
Underflow 0
Overflow 1

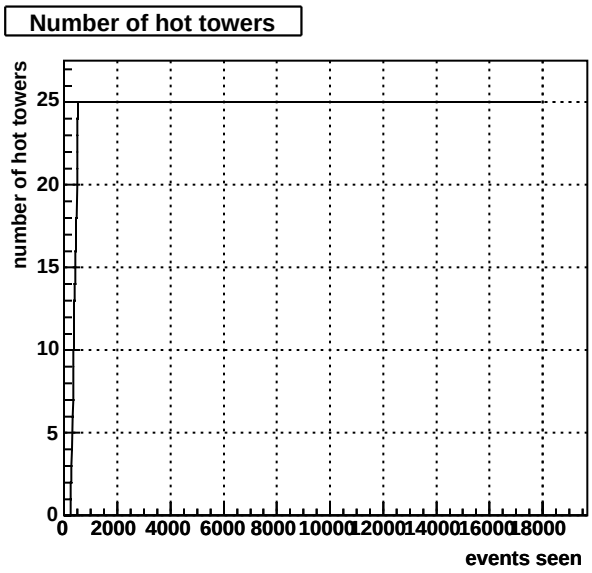

Number of L2 towers
hNumberOfTowersL2
Entries 9574
Mean 27.43
RMS 14.17
Underflow 0
Overflow 3

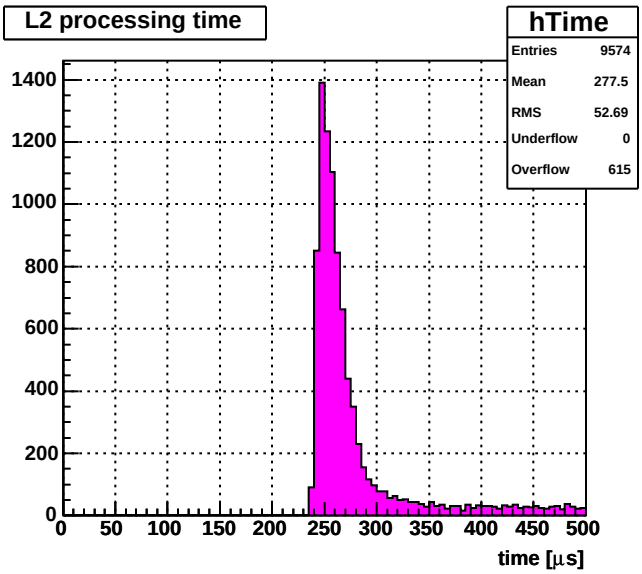

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9574
Mean 7.608
RMS 2.188
Underflow 0
Overflow 35
χ² / ndf 174.2 / 43
Constant 9.058 ± 0.046
Slope -0.437 ± 0.005
E [GeV]

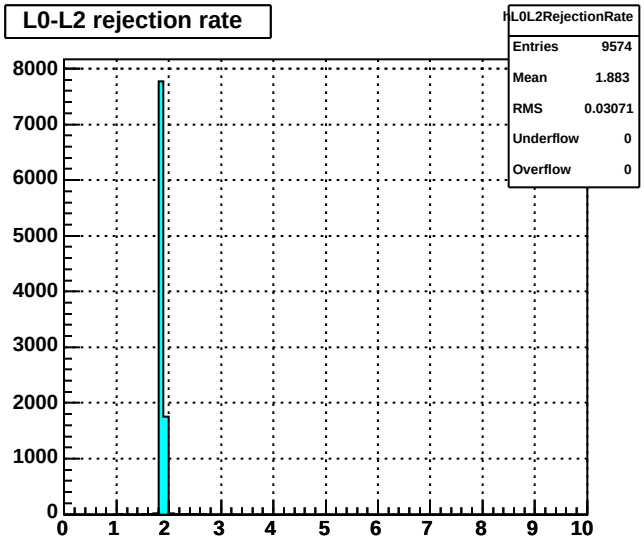

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9574
Mean 3.603
RMS 0.6416
Underflow 0
Overflow 0
χ² / ndf 26.5 / 23
Constant 13.19 ± 0.06
Slope -1.701 ± 0.017
E [GeV]

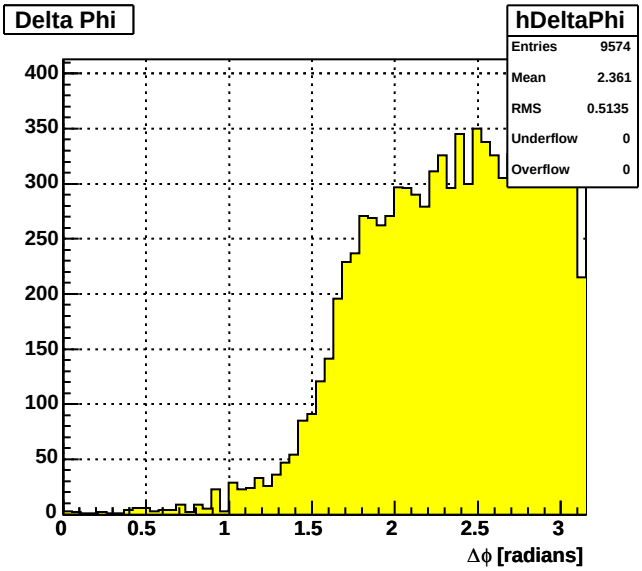

Invariant mass
hInvMass
Entries 9574
Mean 9.053
RMS 1.628
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

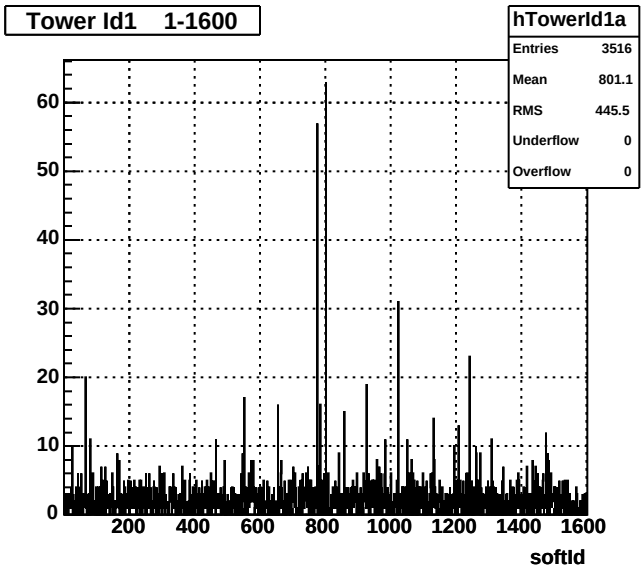

Opening angle
hCosTheta
Entries 9574
Mean -0.5454
RMS 0.2861
Underflow 0
Overflow 0
cos θ

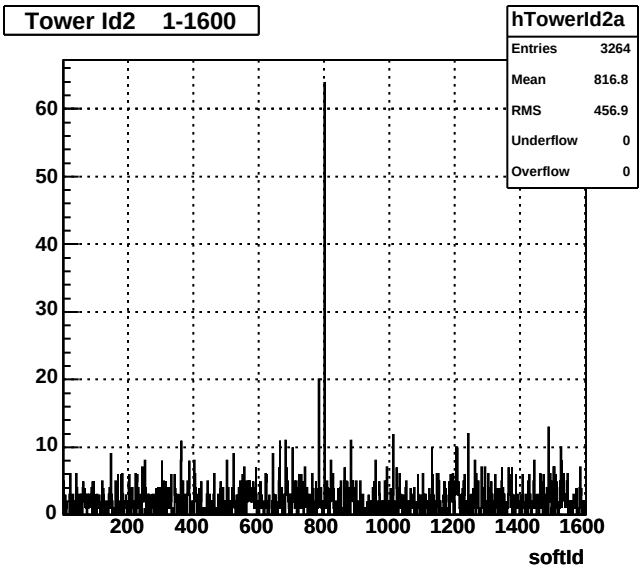

Number of hot towers
number of hot towers
events seen

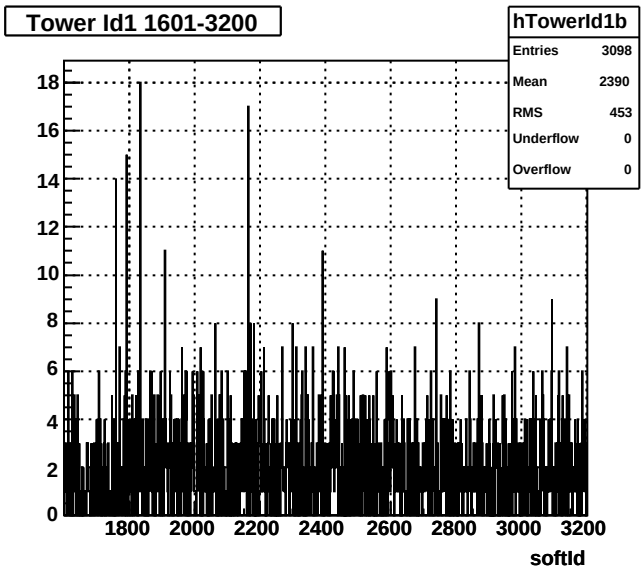

L2 processing time
hTime
Entries 9574
Mean 277.5
RMS 52.69
Underflow 0
Overflow 615
time [μs]

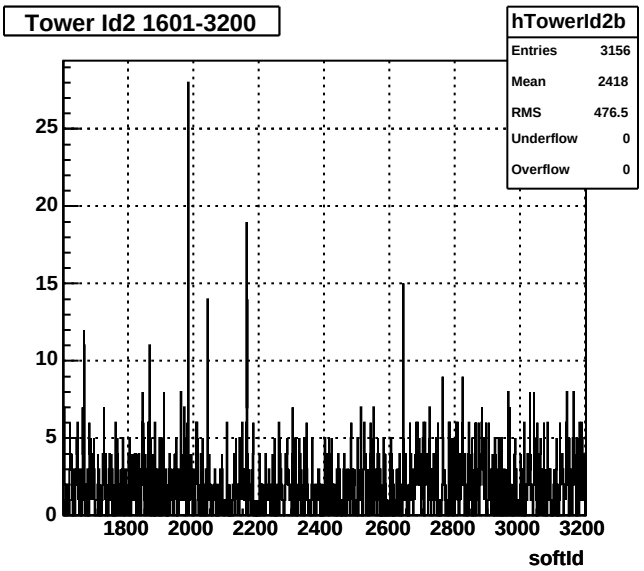

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9574
Mean 1.883
RMS 0.03071
Underflow 0
Overflow 0

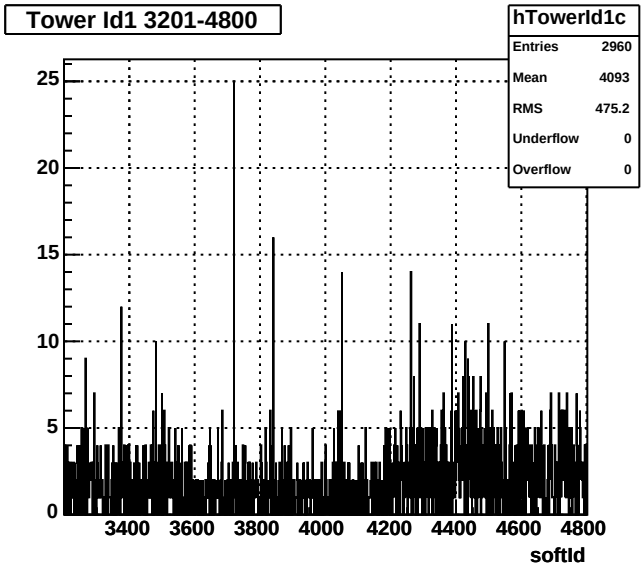

Delta Phi
hDeltaPhi
Entries 9574
Mean 2.361
RMS 0.5135
Underflow 0
Overflow 0
Δφ [radians]

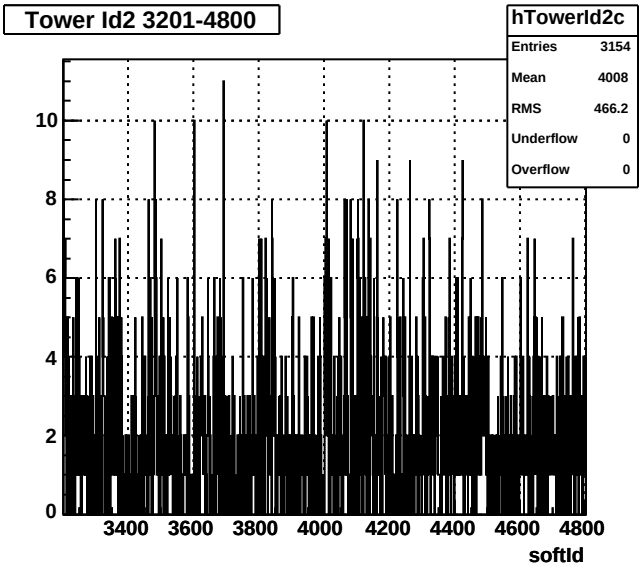

Tower Id1 1-1600
hTowerId1a
Entries 3516
Mean 801.1
RMS 445.5
Underflow 0
Overflow 0
softId

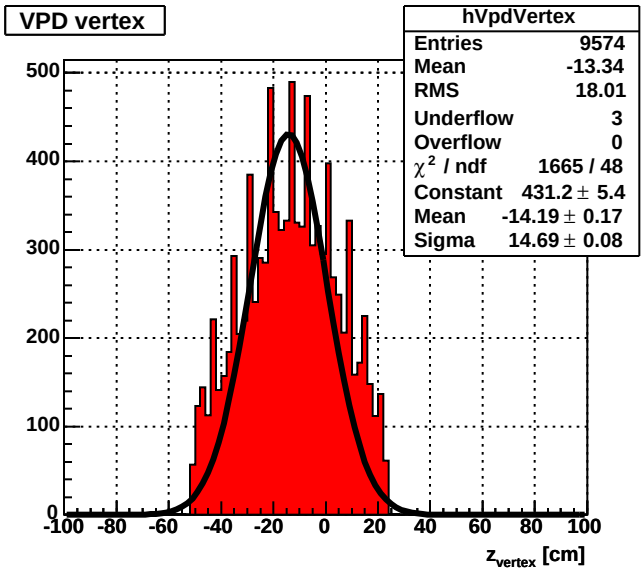

Tower Id2 1-1600
hTowerId2a
Entries 3264
Mean 816.8
RMS 456.9
Underflow 0
Overflow 0
softId

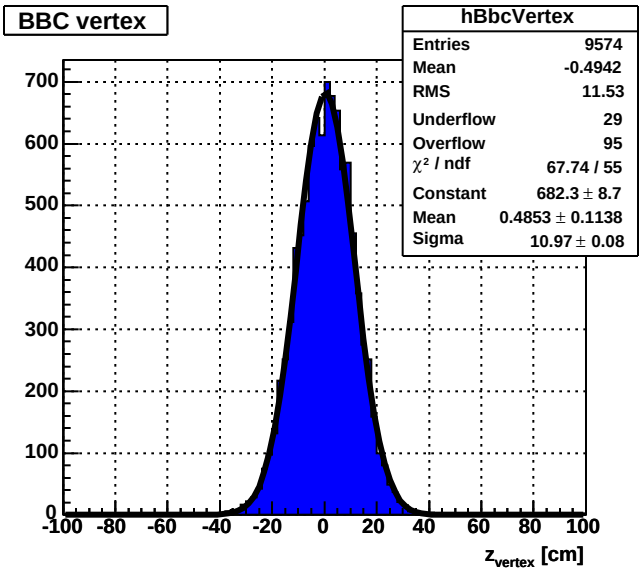

Tower Id1 1601-3200
hTowerId1b
Entries 3098
Mean 2390
RMS 453
Underflow 0
Overflow 0
softId

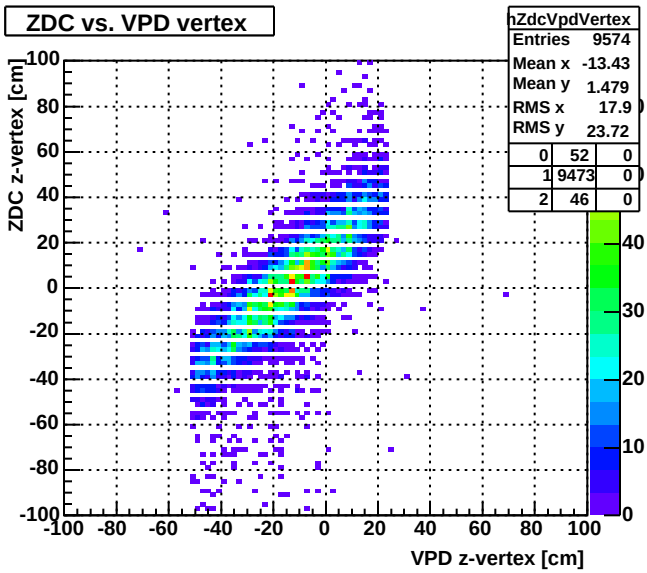

Tower Id2 1601-3200
hTowerId2b
Entries 3156
Mean 2418
RMS 476.5
Underflow 0
Overflow 0
softId

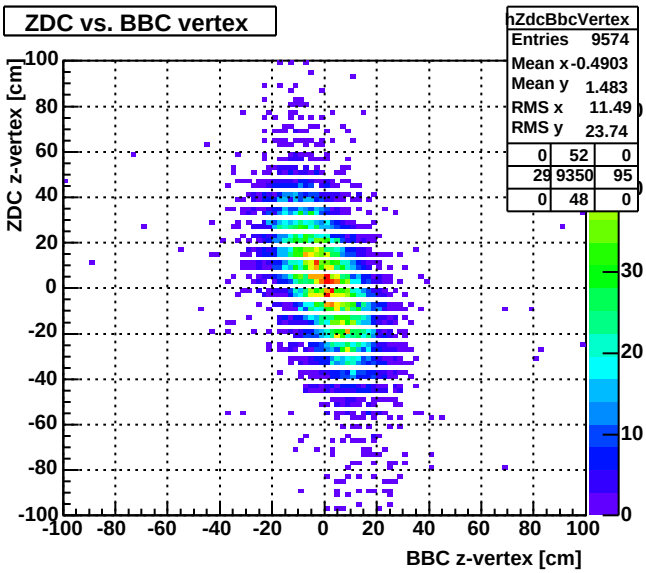

Tower Id1 3201-4800
hTowerId1c
Entries 2960
Mean 4093
RMS 475.2
Underflow 0
Overflow 0
softId

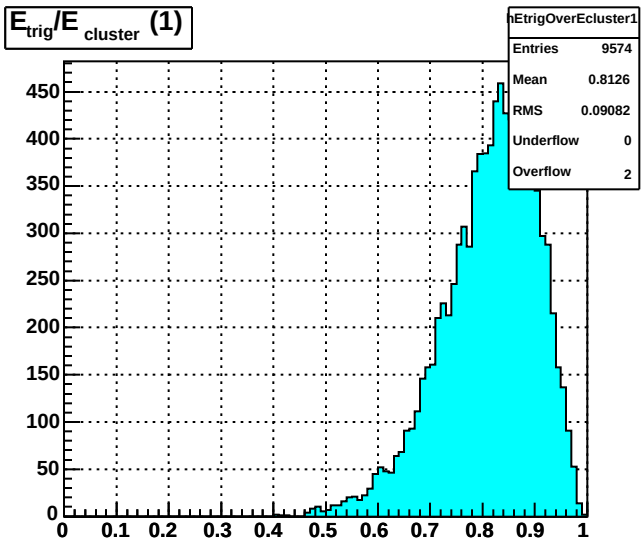

Tower Id2 3201-4800
hTowerId2c
Entries 3154
Mean 4008
RMS 466.2
Underflow 0
Overflow 0
softId

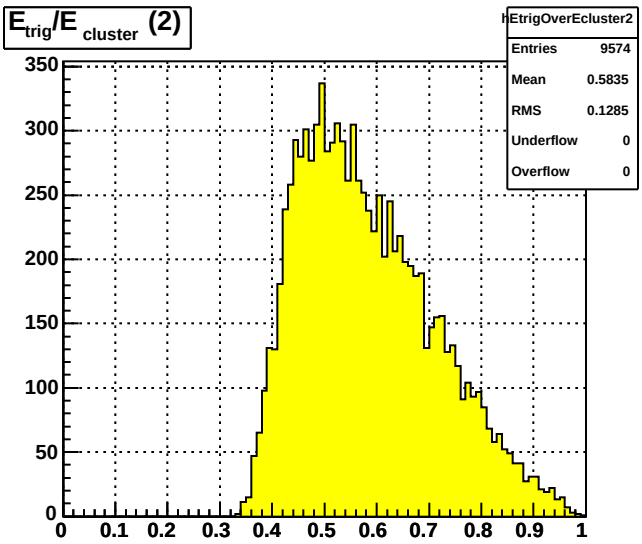

VPD vertex
hVpdVertex
Entries 9574
Mean -13.34
RMS 18.01
Underflow 3
Overflow 0
χ² / ndf 1665 / 48
Constant 431.2 ± 5.4
Mean -14.19 ± 0.17
Sigma 14.69 ± 0.08
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9574
Mean -0.4942
RMS 11.53
Underflow 29
Overflow 95
χ² / ndf 67.74 / 55
Constant 682.3 ± 8.7
Mean 0.4853 ± 0.1138
Sigma 10.97 ± 0.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9574
Mean x -13.43
Mean y 1.479
RMS x 17.9
RMS y 23.72
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9574
Mean x -0.4903
Mean y 1.483
RMS x 11.49
RMS y 23.74
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9574
Mean 0.8126
RMS 0.09082
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9574
Mean 0.5835
RMS 0.1285
Underflow 0
Overflow 0