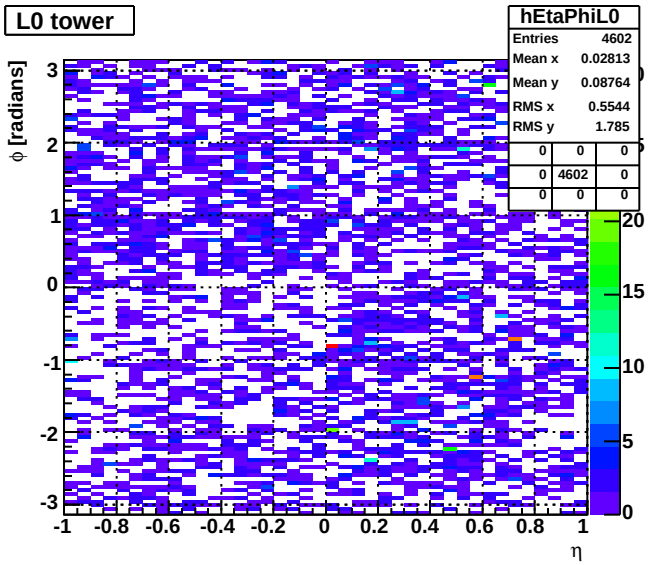
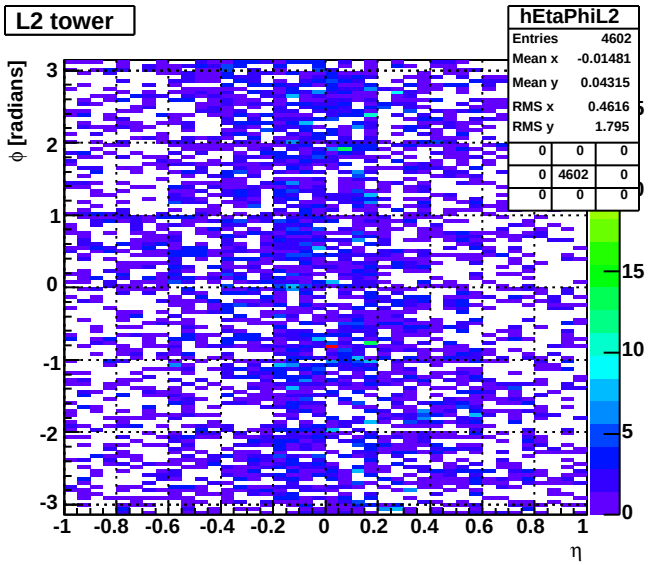
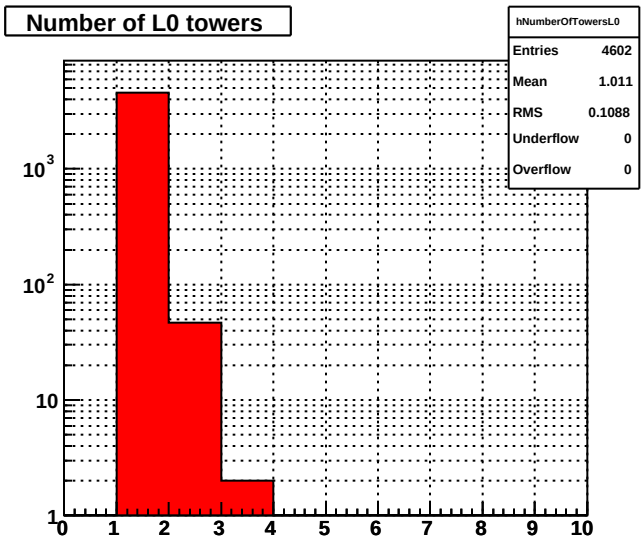
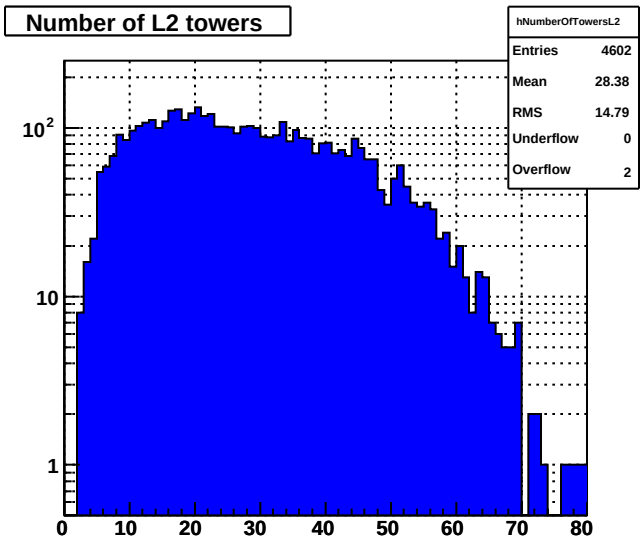
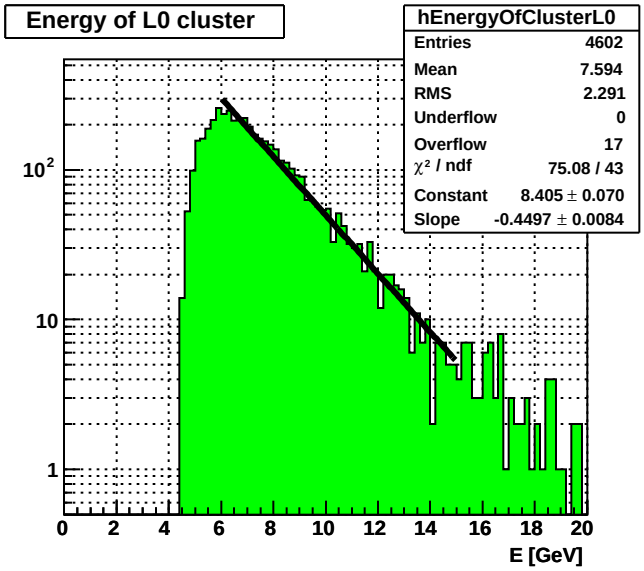
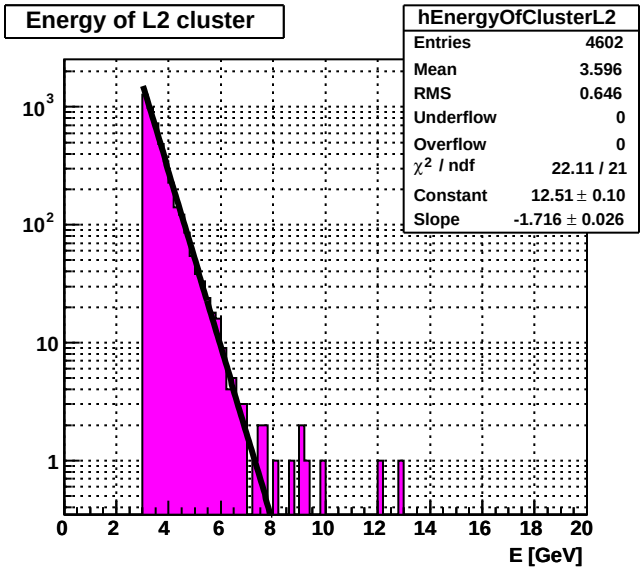

L0 tower
hEtaPhiL0
Entries 4602
Mean x 0.02813
Mean y 0.08764
RMS x 0.5544
RMS y 1.785
φ [radians]
η

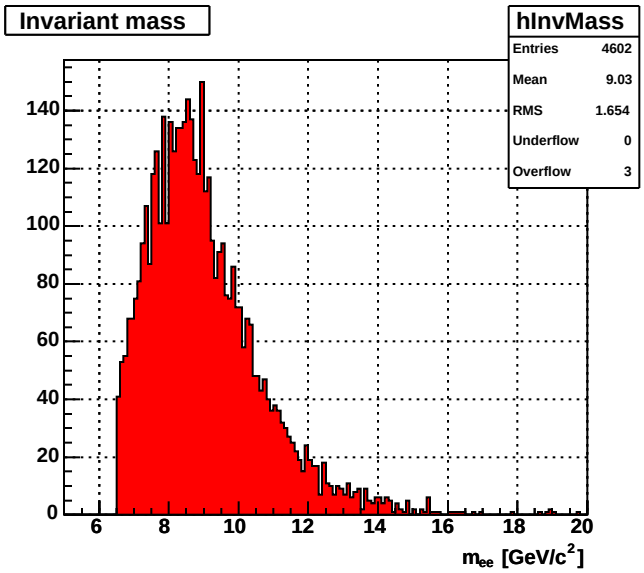

L2 tower
hEtaPhiL2
Entries 4602
Mean x -0.01481
Mean y 0.04315
RMS x 0.4616
RMS y 1.795
φ [radians]
η

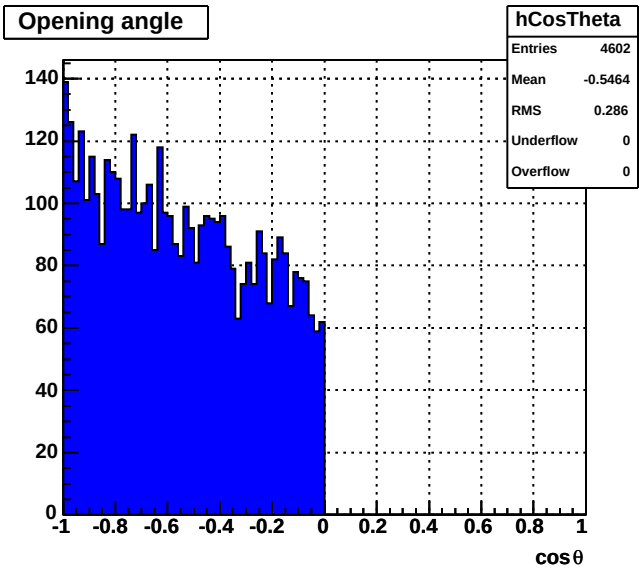

Number of L0 towers
hNumberOfTowersL0
Entries 4602
Mean 1.011
RMS 0.1088
Underflow 0
Overflow 0

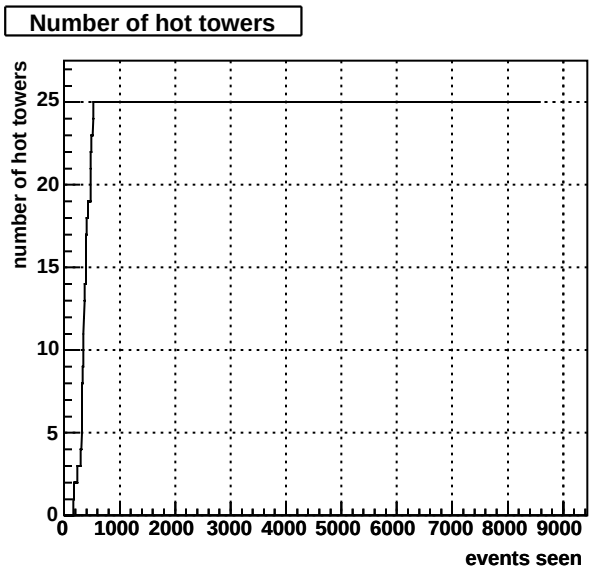

Number of L2 towers
hNumberOfTowersL2
Entries 4602
Mean 28.38
RMS 14.79
Underflow 0
Overflow 2

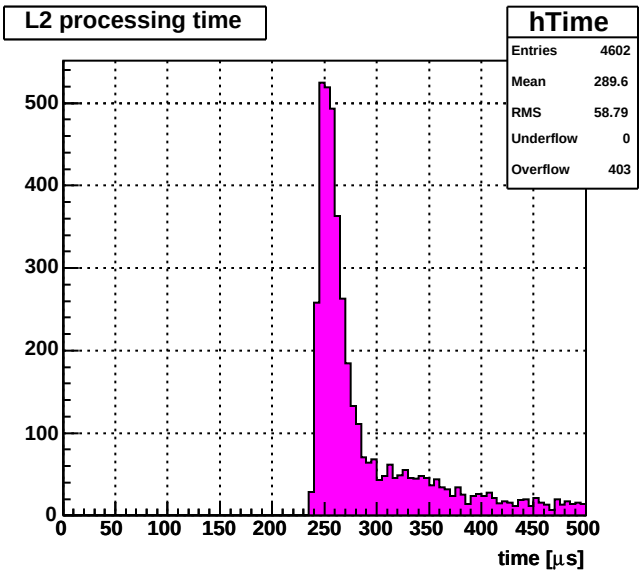

Energy of L0 cluster
hEnergyOfClusterL0
Entries 4602
Mean 7.594
RMS 2.291
Underflow 0
Overflow 17
χ² / ndf 75.08 / 43
Constant 8.405 ± 0.070
Slope -0.4497 ± 0.0084
E [GeV]

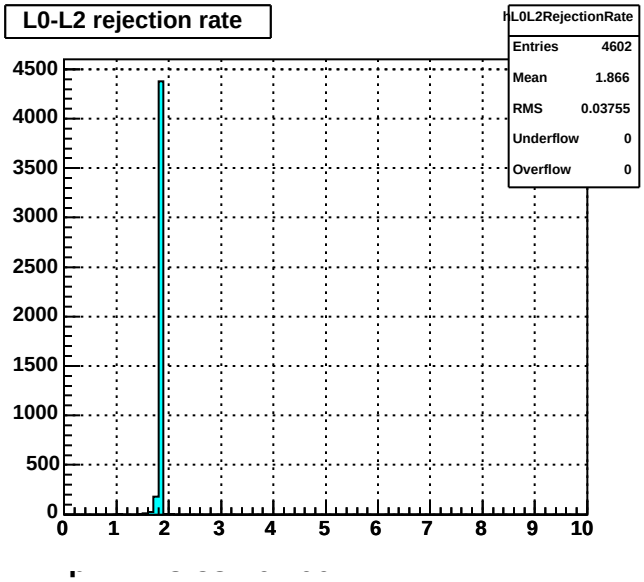

Energy of L2 cluster
hEnergyOfClusterL2
Entries 4602
Mean 3.596
RMS 0.646
Underflow 0
Overflow 0
χ² / ndf 22.11 / 21
Constant 12.51 ± 0.10
Slope -1.716 ± 0.026
E [GeV]

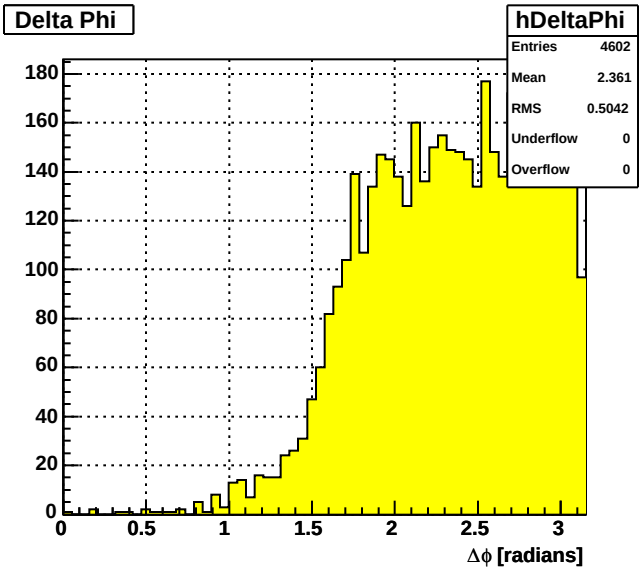

Invariant mass
hInvMass
Entries 4602
Mean 9.03
RMS 1.654
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

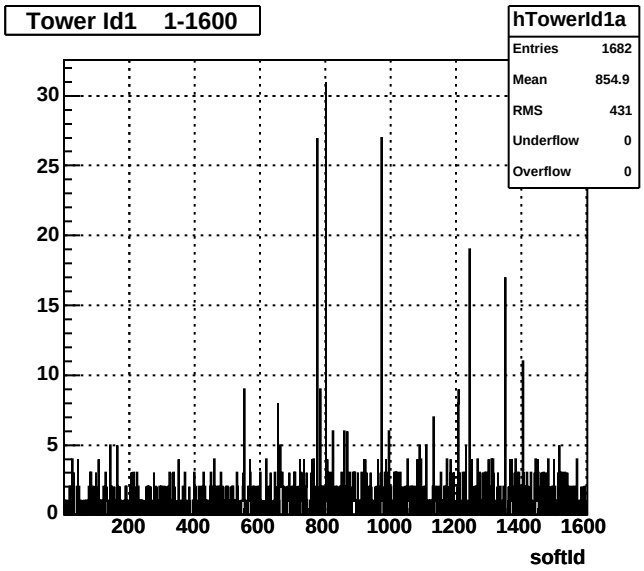

Opening angle
hCosTheta
Entries 4602
Mean -0.5464
RMS 0.286
Underflow 0
Overflow 0
cos θ

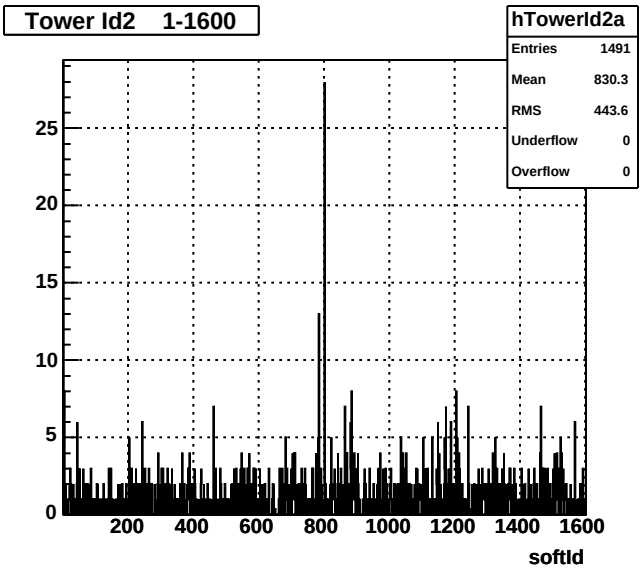

Number of hot towers
number of hot towers
events seen

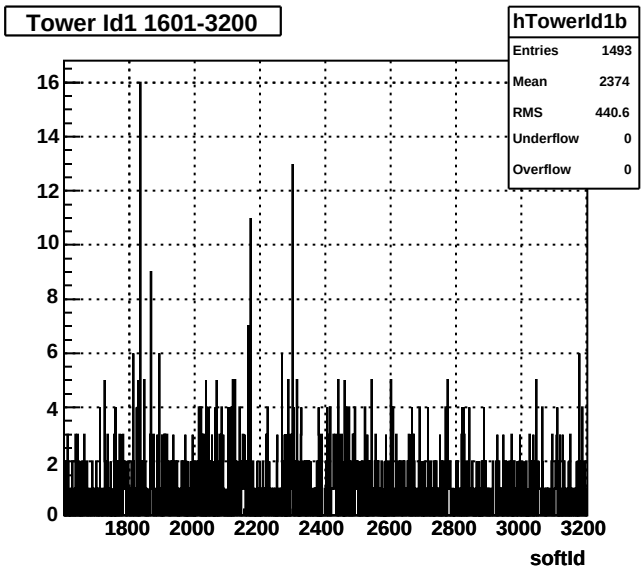

L2 processing time
hTime
Entries 4602
Mean 289.6
RMS 58.79
Underflow 0
Overflow 403
time [μs]

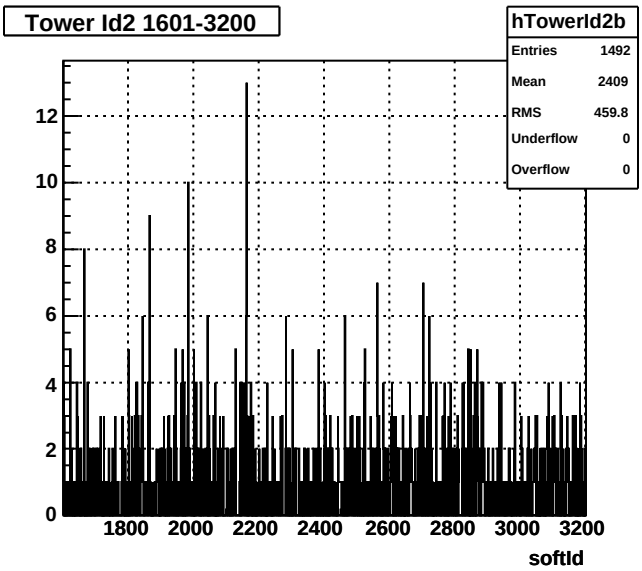

L0-L2 rejection rate
hL0L2RejectionRate
Entries 4602
Mean 1.866
RMS 0.03755
Underflow 0
Overflow 0

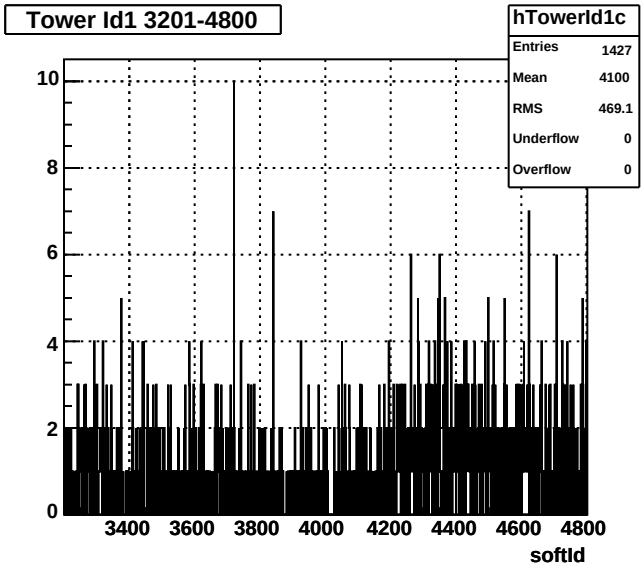

Delta Phi
hDeltaPhi
Entries 4602
Mean 2.361
RMS 0.5042
Underflow 0
Overflow 0
Δφ [radians]

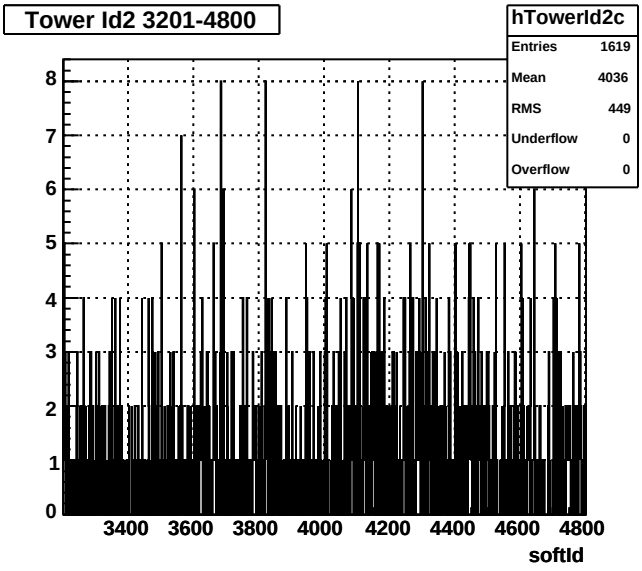

Tower Id1 1-1600
hTowerId1a
Entries 1682
Mean 854.9
RMS 431
Underflow 0
Overflow 0
softId

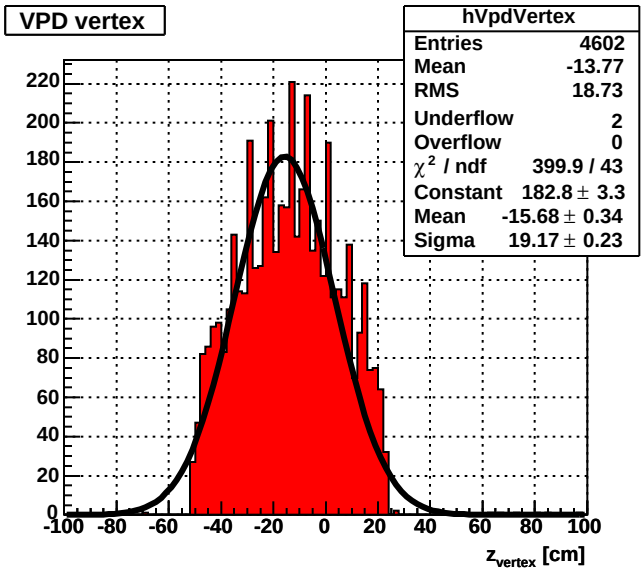

Tower Id2 1-1600
hTowerId2a
Entries 1491
Mean 830.3
RMS 443.6
Underflow 0
Overflow 0
softId

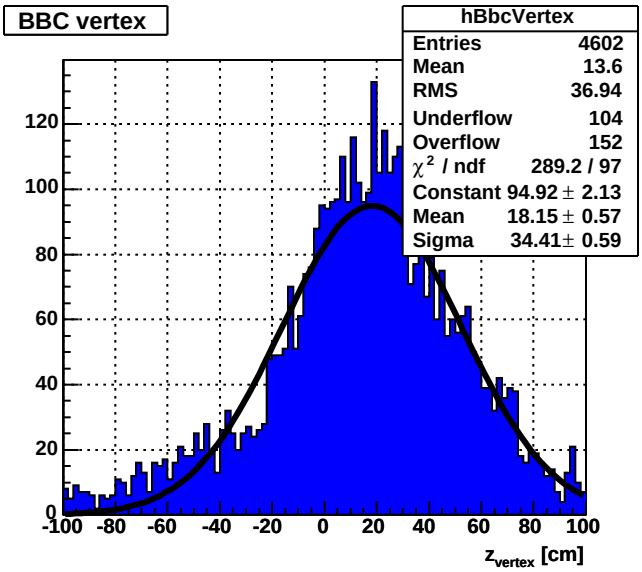

Tower Id1 1601-3200
hTowerId1b
Entries 1493
Mean 2374
RMS 440.6
Underflow 0
Overflow 0
softId

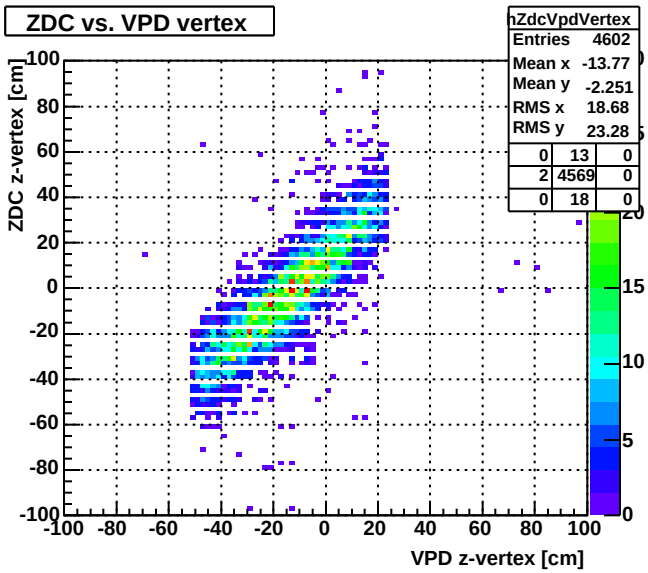

Tower Id2 1601-3200
hTowerId2b
Entries 1492
Mean 2409
RMS 459.8
Underflow 0
Overflow 0
softId

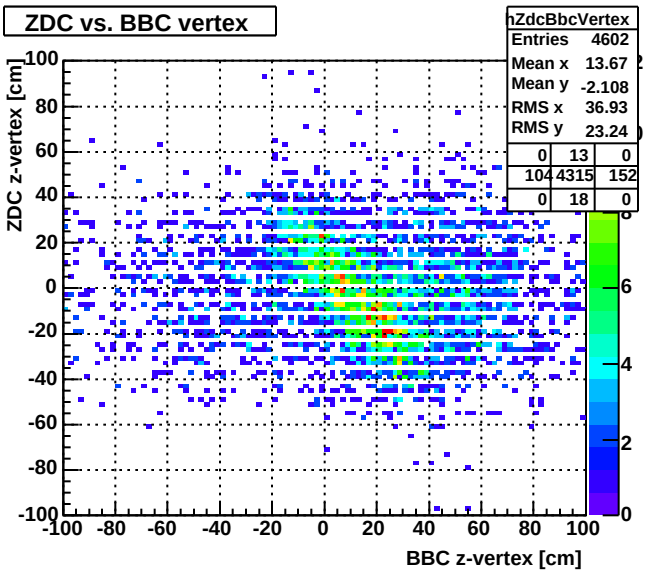

Tower Id1 3201-4800
hTowerId1c
Entries 1427
Mean 4100
RMS 469.1
Underflow 0
Overflow 0
softId

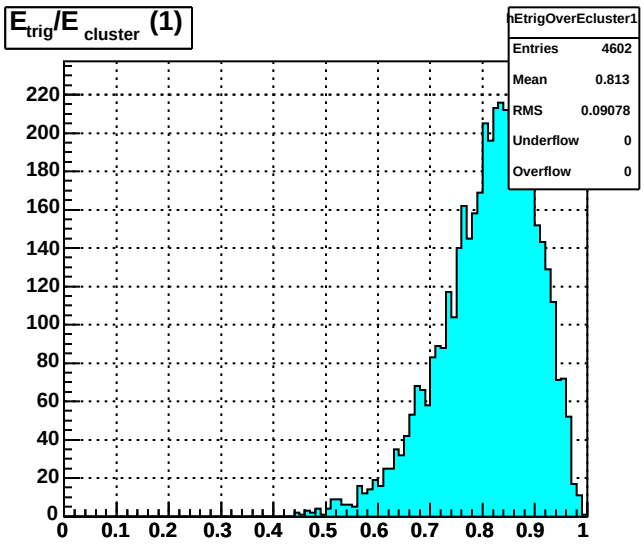

Tower Id2 3201-4800
hTowerId2c
Entries 1619
Mean 4036
RMS 449
Underflow 0
Overflow 0
softId

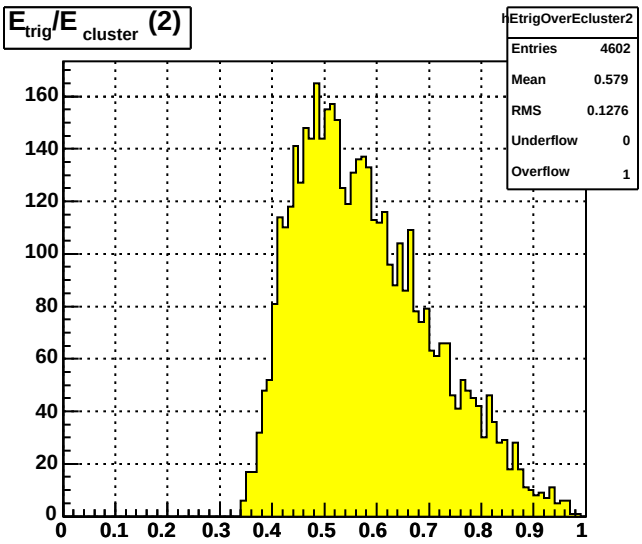

VPD vertex
hVpdVertex
Entries 4602
Mean -13.77
RMS 18.73
Underflow 2
Overflow 0
χ² / ndf 399.9 / 43
Constant 182.8 ± 3.3
Mean -15.68 ± 0.34
Sigma 19.17 ± 0.23
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 4602
Mean 13.6
RMS 36.94
Underflow 104
Overflow 152
χ² / ndf 289.2 / 97
Constant 94.92 ± 2.13
Mean 18.15 ± 0.57
Sigma 34.41 ± 0.59
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 4602
Mean x -13.77
Mean y -2.251
RMS x 18.68
RMS y 23.28
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 4602
Mean x 13.67
Mean y -2.108
RMS x 36.93
RMS y 23.24
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 4602
Mean 0.813
RMS 0.09078
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 4602
Mean 0.579
RMS 0.1276
Underflow 0
Overflow 1