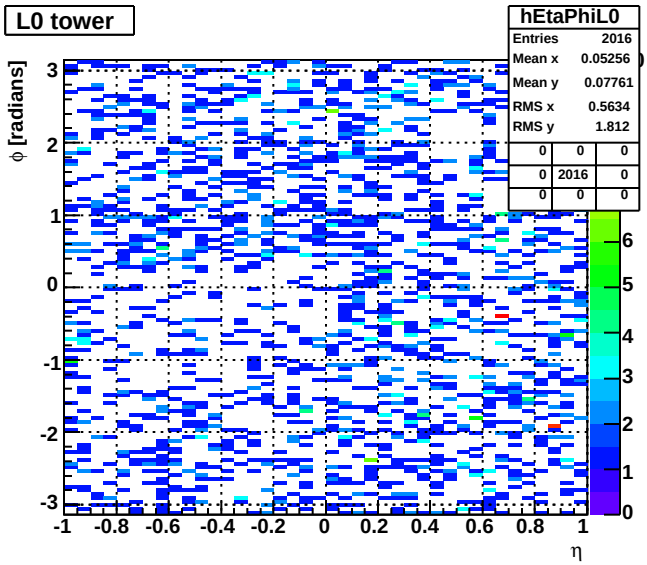
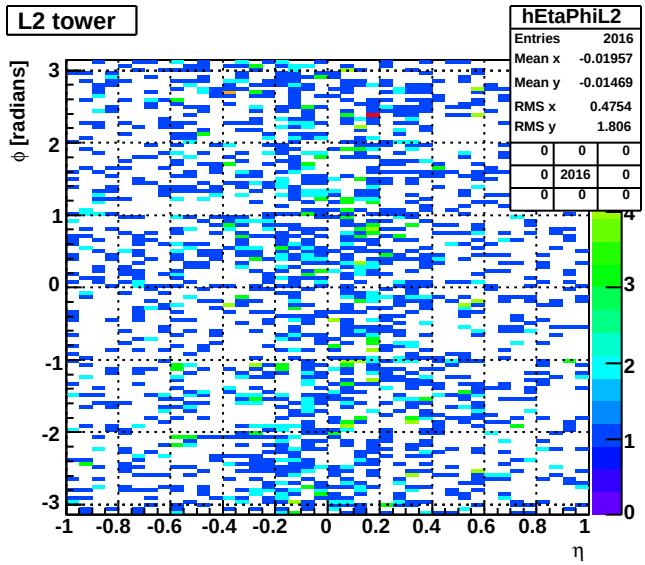
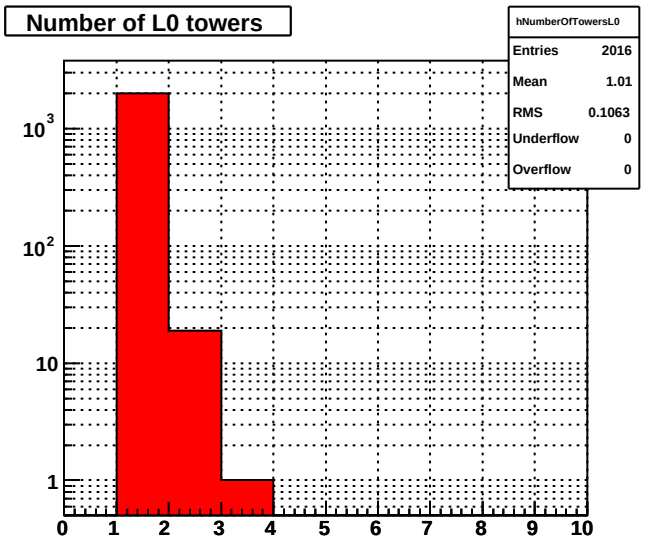
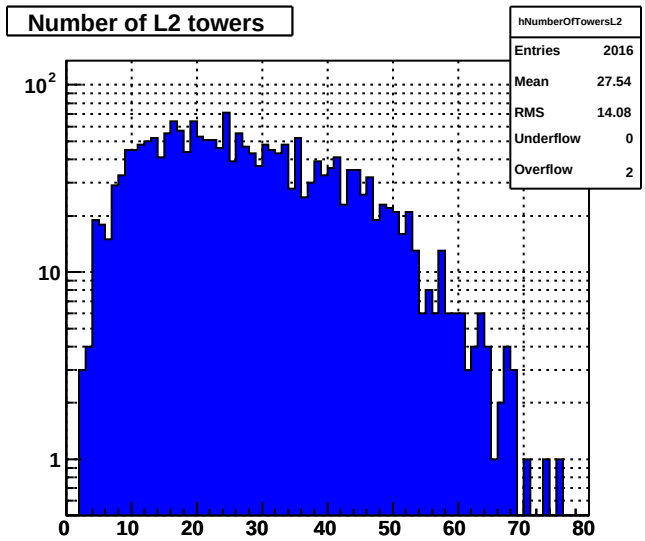
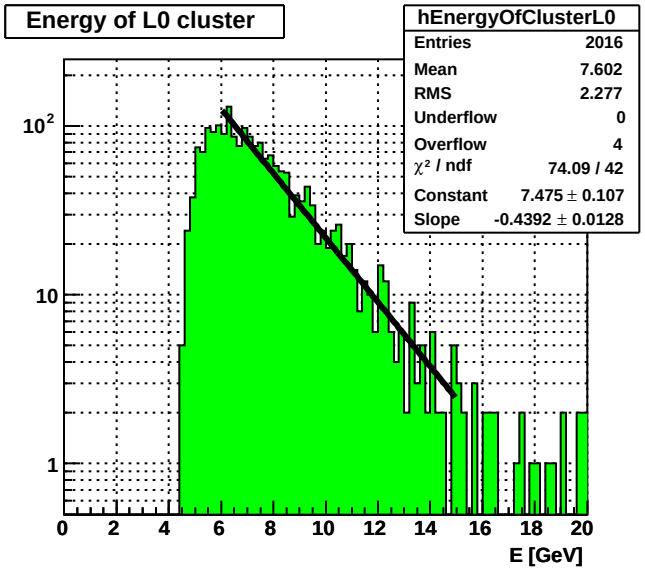
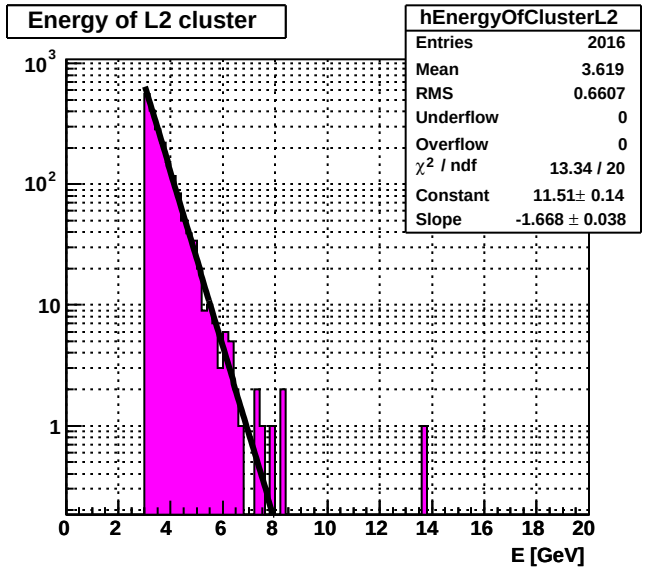

L0 tower
hEtaPhiL0
Entries 2016
Mean x 0.05256
Mean y 0.07761
RMS x 0.5634
RMS y 1.812
φ [radians]
η

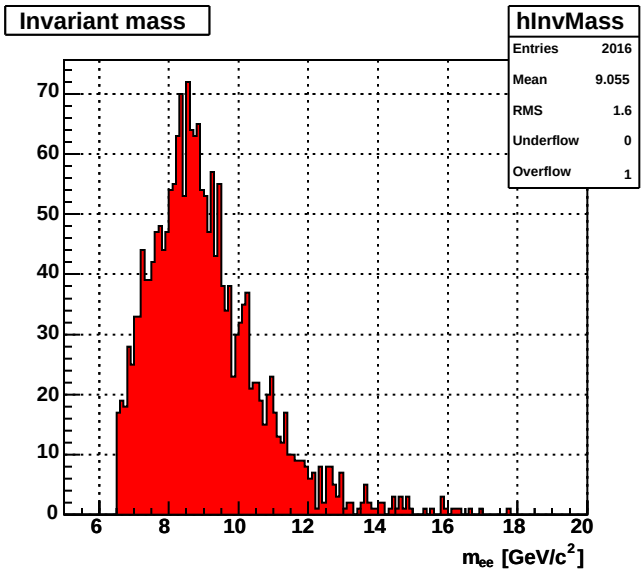

L2 tower
hEtaPhiL2
Entries 2016
Mean x -0.01957
Mean y -0.01469
RMS x 0.4754
RMS y 1.806
φ [radians]
η

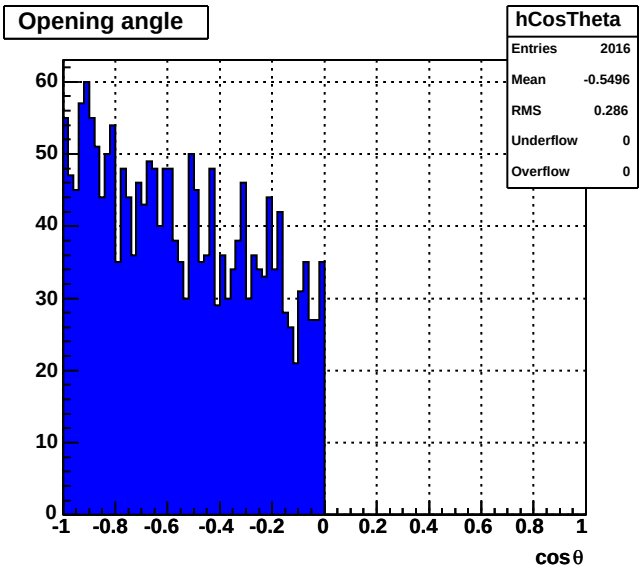

Number of L0 towers
hNumberOfTowersL0
Entries 2016
Mean 1.01
RMS 0.1063
Underflow 0
Overflow 0

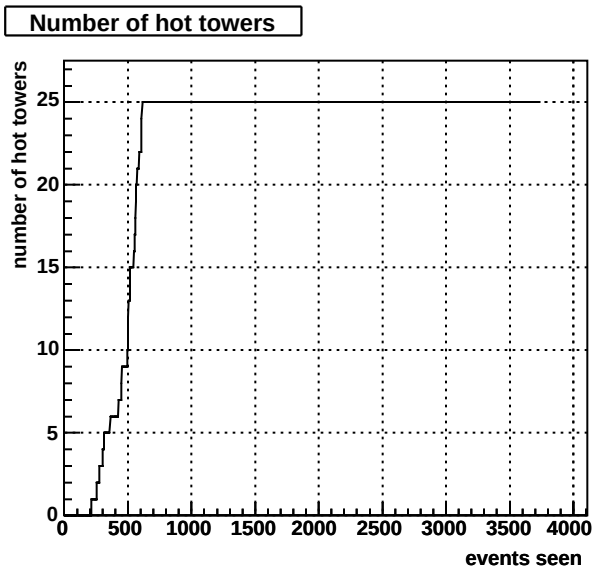

Number of L2 towers
hNumberOfTowersL2
Entries 2016
Mean 27.54
RMS 14.08
Underflow 0
Overflow 2

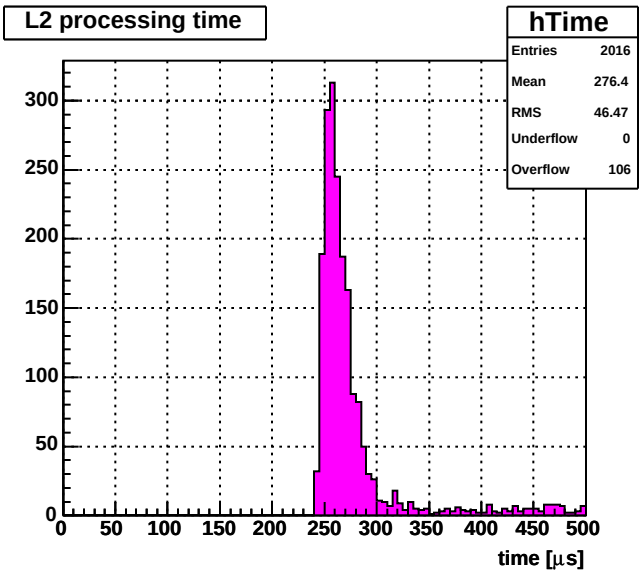

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2016
Mean 7.602
RMS 2.277
Underflow 0
Overflow 4
χ² / ndf 74.09 / 42
Constant 7.475 ± 0.107
Slope -0.4392 ± 0.0128
E [GeV]

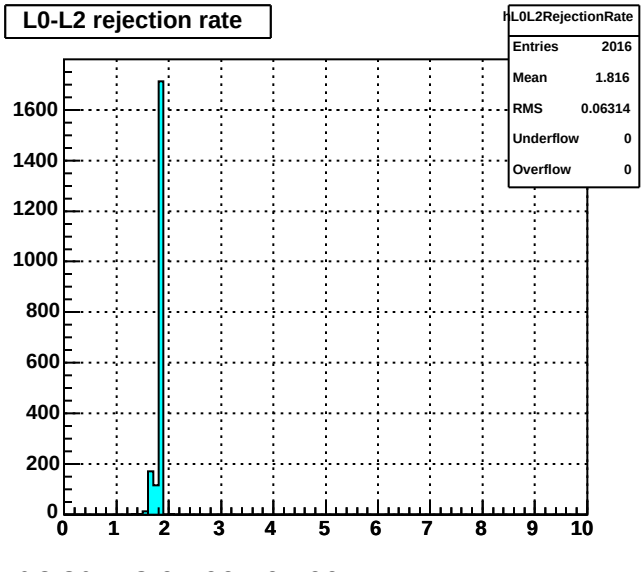

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2016
Mean 3.619
RMS 0.6607
Underflow 0
Overflow 0
χ² / ndf 13.34 / 20
Constant 11.51± 0.14
Slope -1.668 ± 0.038
E [GeV]

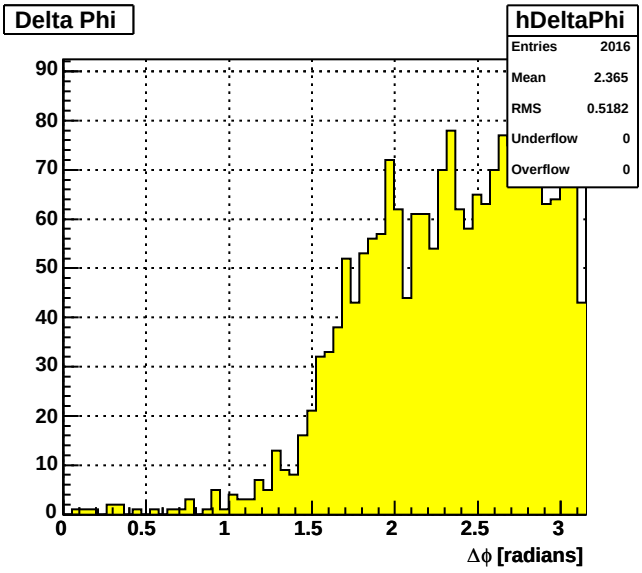

Invariant mass
hInvMass
Entries 2016
Mean 9.055
RMS 1.6
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

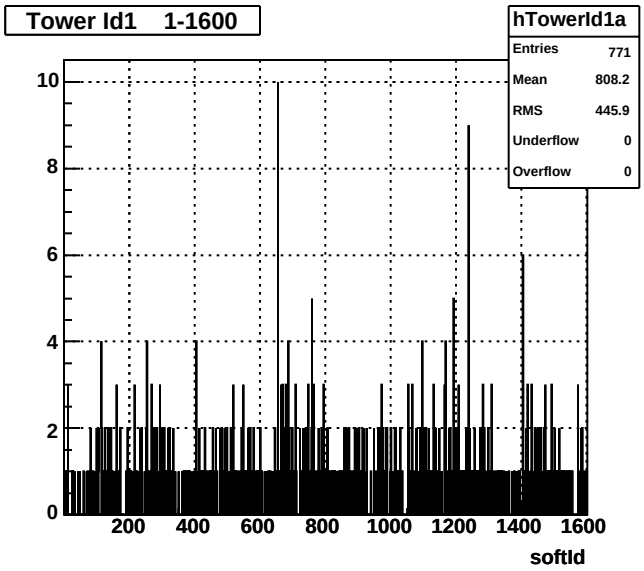

Opening angle
hCosTheta
Entries 2016
Mean -0.5496
RMS 0.286
Underflow 0
Overflow 0
cos θ

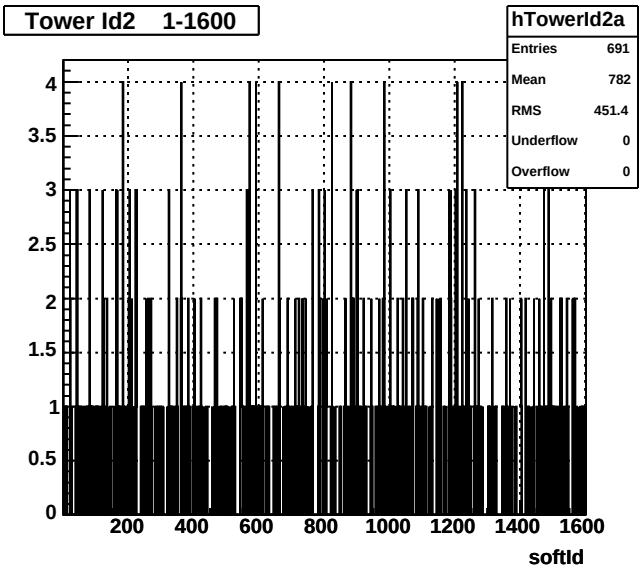

Number of hot towers
number of hot towers
events seen

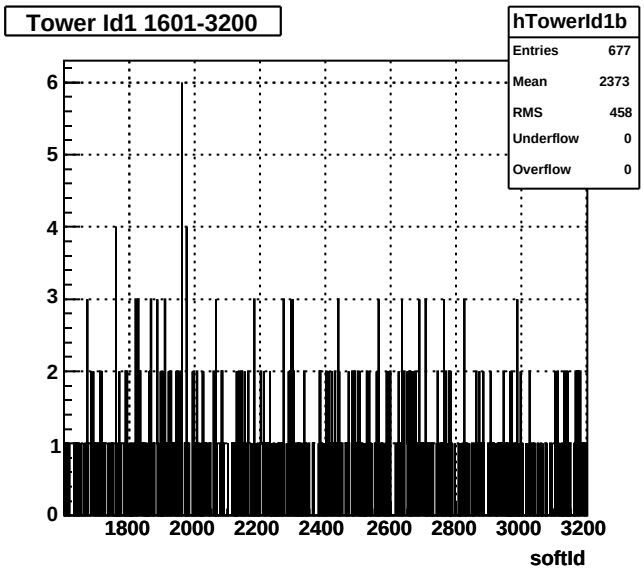

L2 processing time
hTime
Entries 2016
Mean 276.4
RMS 46.47
Underflow 0
Overflow 106
time [μs]

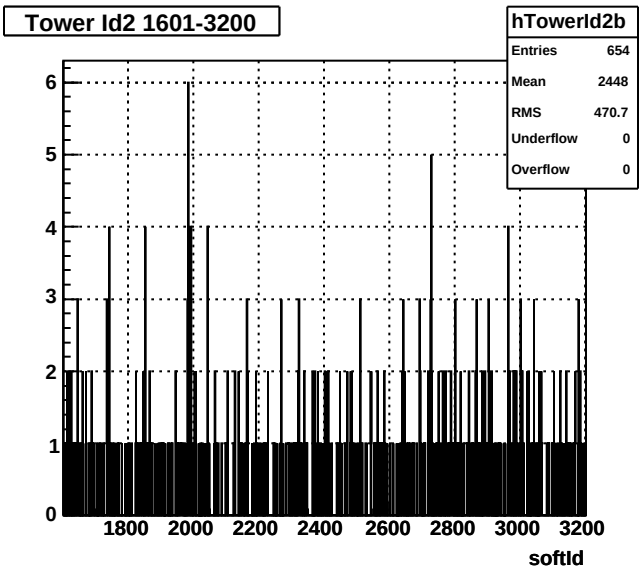

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2016
Mean 1.816
RMS 0.06314
Underflow 0
Overflow 0

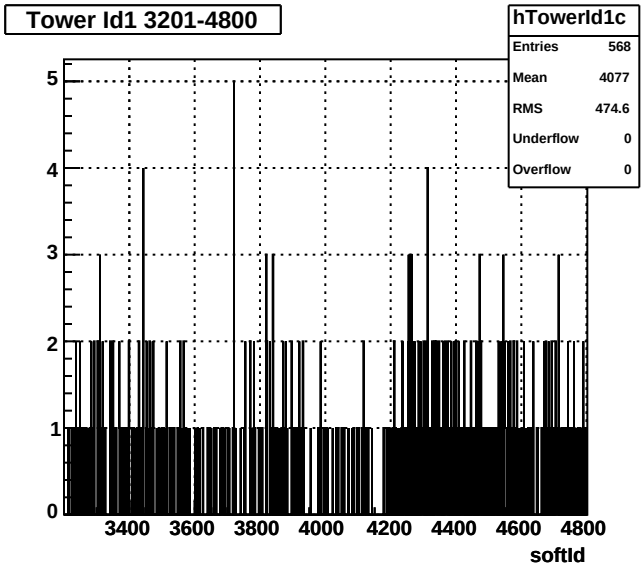

Delta Phi
hDeltaPhi
Entries 2016
Mean 2.365
RMS 0.5182
Underflow 0
Overflow 0
Δφ [radians]

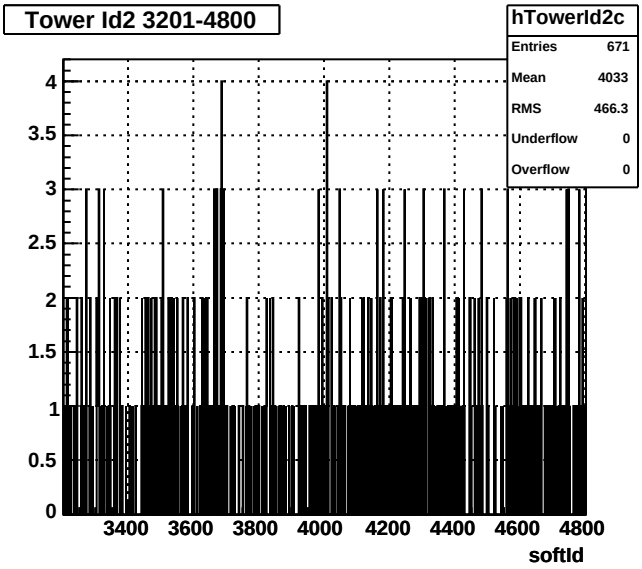

Tower Id1 1-1600
hTowerId1a
Entries 771
Mean 808.2
RMS 445.9
Underflow 0
Overflow 0
softId

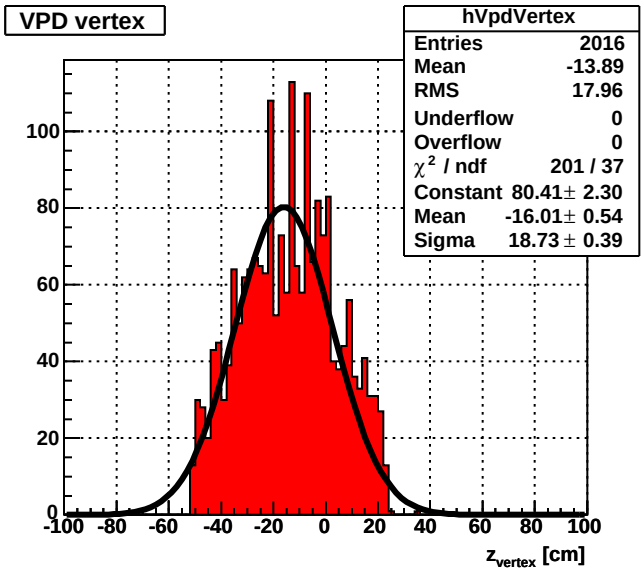

Tower Id2 1-1600
hTowerId2a
Entries 691
Mean 782
RMS 451.4
Underflow 0
Overflow 0
softId

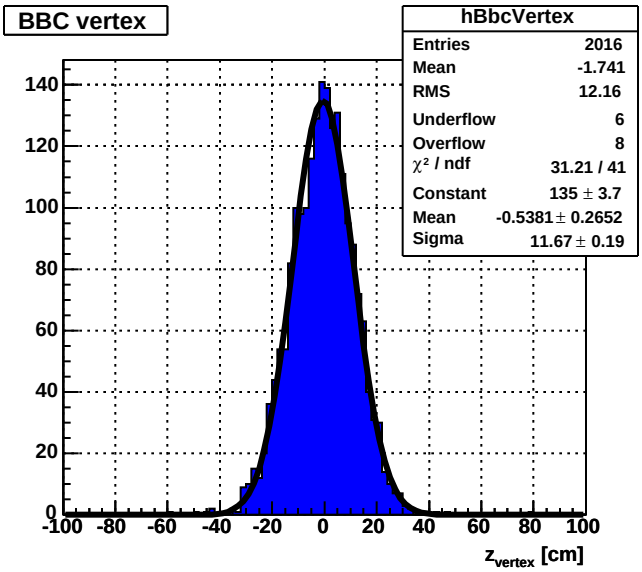

Tower Id1 1601-3200
hTowerId1b
Entries 677
Mean 2373
RMS 458
Underflow 0
Overflow 0
softId

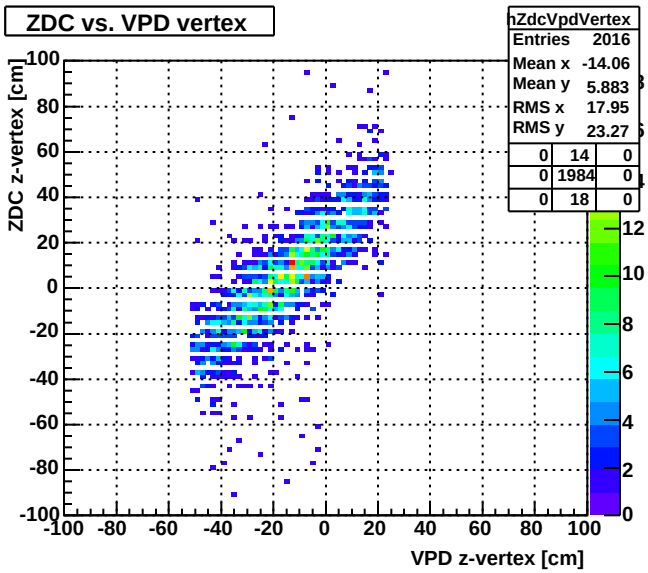

Tower Id2 1601-3200
hTowerId2b
Entries 654
Mean 2448
RMS 470.7
Underflow 0
Overflow 0
softId

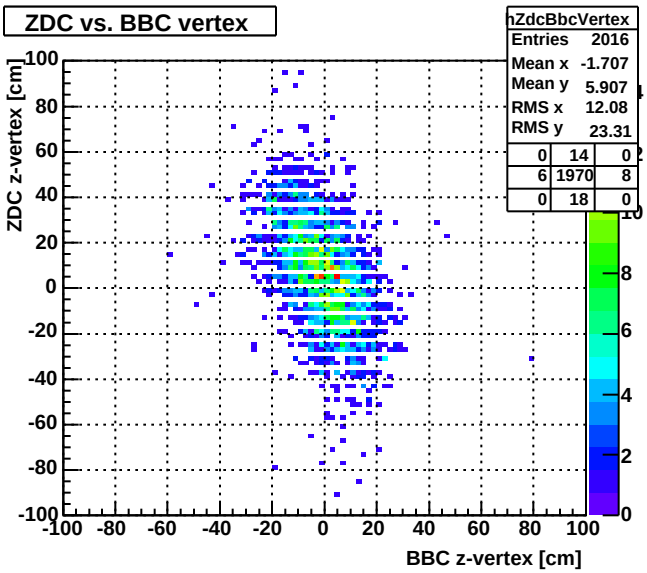

Tower Id1 3201-4800
hTowerId1c
Entries 568
Mean 4077
RMS 474.6
Underflow 0
Overflow 0
softId

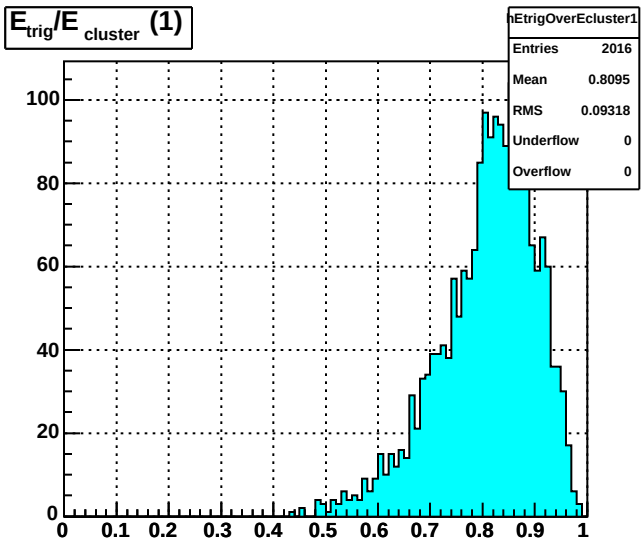

Tower Id2 3201-4800
hTowerId2c
Entries 671
Mean 4033
RMS 466.3
Underflow 0
Overflow 0
softId

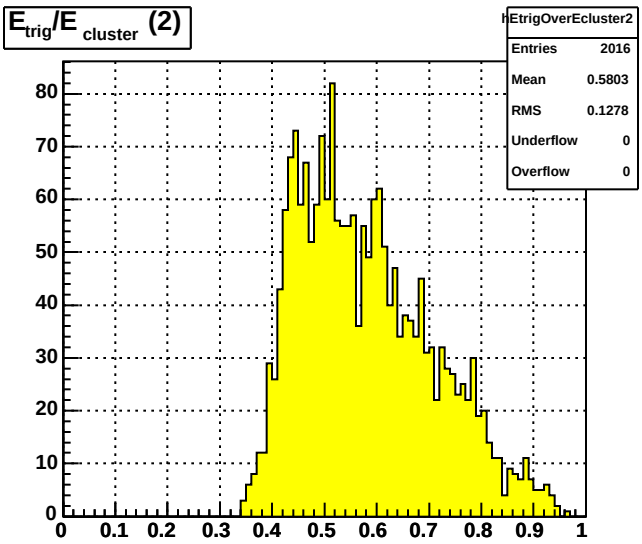

VPD vertex
hVpdVertex
Entries 2016
Mean -13.89
RMS 17.96
Underflow 0
Overflow 0
χ² / ndf 201 / 37
Constant 80.41 ± 2.30
Mean -16.01 ± 0.54
Sigma 18.73 ± 0.39
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2016
Mean -1.741
RMS 12.16
Underflow 6
Overflow 8
χ² / ndf 31.21 / 41
Constant 135 ± 3.7
Mean -0.5381 ± 0.2652
Sigma 11.67 ± 0.19
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2016
Mean x -14.06
Mean y 5.883
RMS x 17.95
RMS y 23.27
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2016
Mean x -1.707
Mean y 5.907
RMS x 12.08
RMS y 23.31
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2016
Mean 0.8095
RMS 0.09318
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2016
Mean 0.5803
RMS 0.1278
Underflow 0
Overflow 0