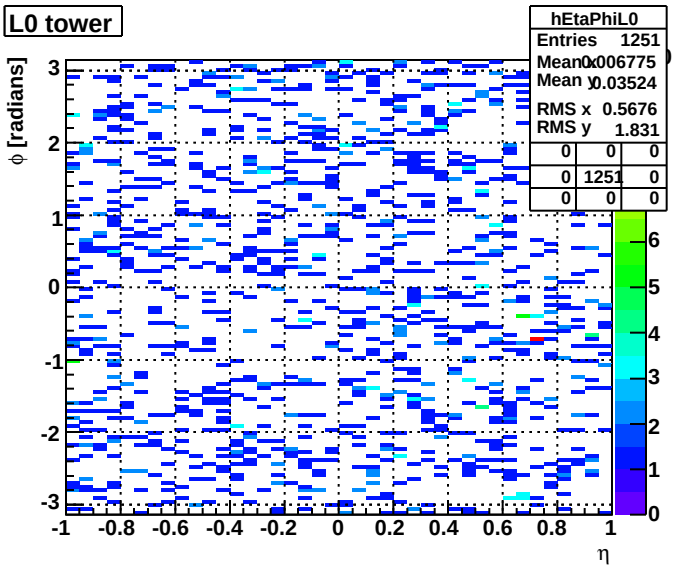
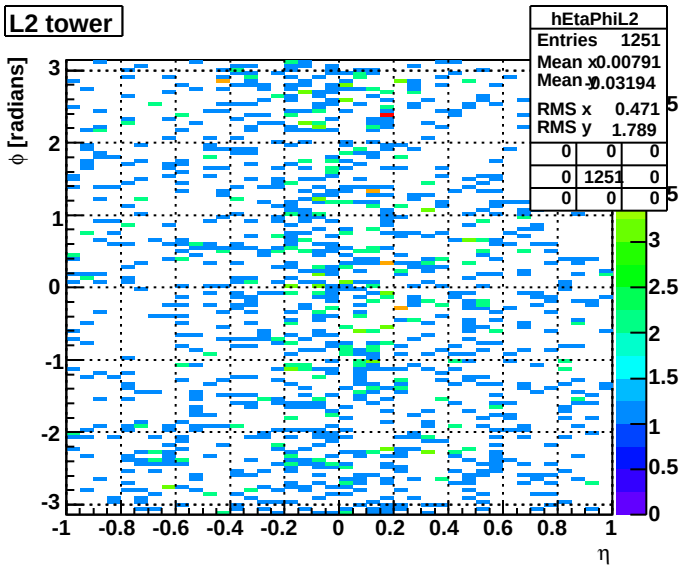
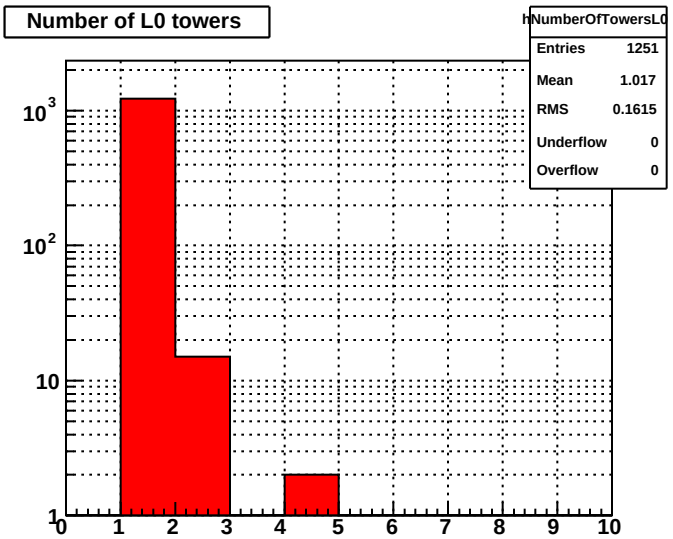
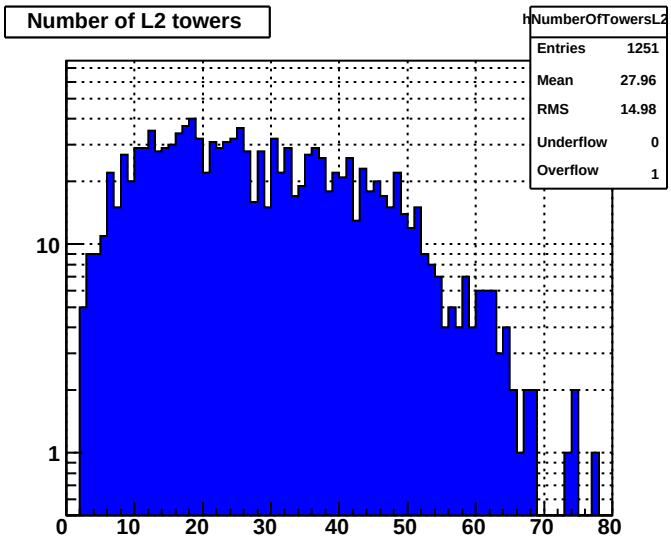
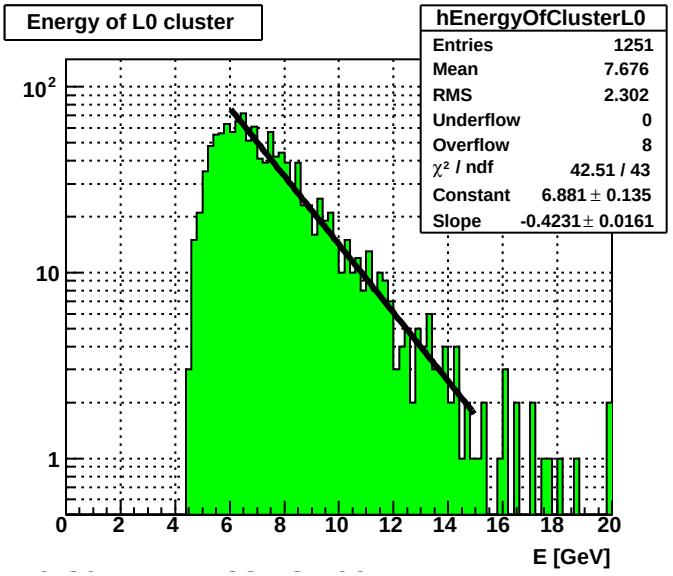
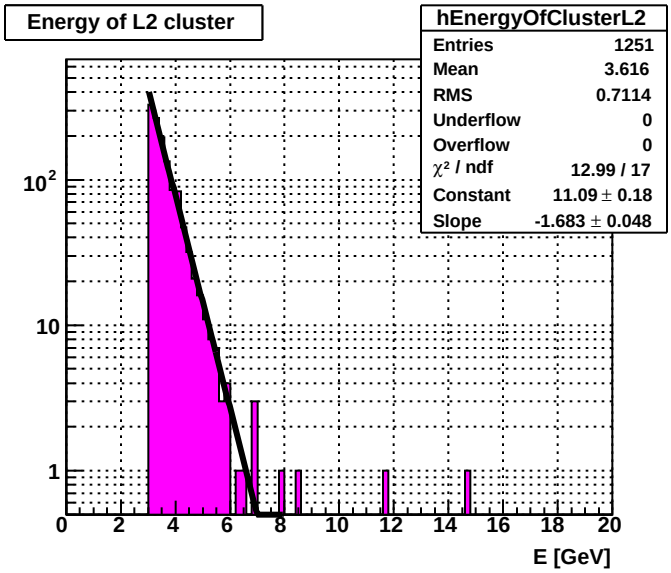

L0 tower
hEtaPhiL0
Entries 1251
Mean x 0.006775
Mean y 0.03524
RMS x 0.5676
RMS y 1.831
φ [radians]
η

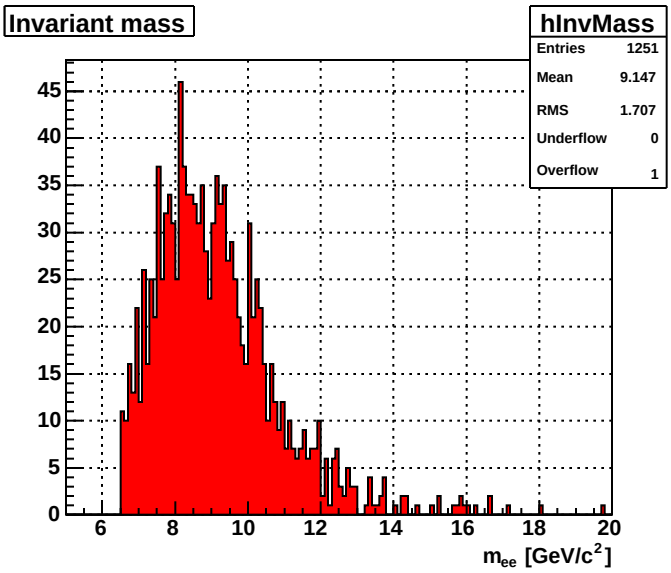

L2 tower
hEtaPhiL2
Entries 1251
Mean x 0.00791
Mean y 0.03194
RMS x 0.471
RMS y 1.789
φ [radians]
η

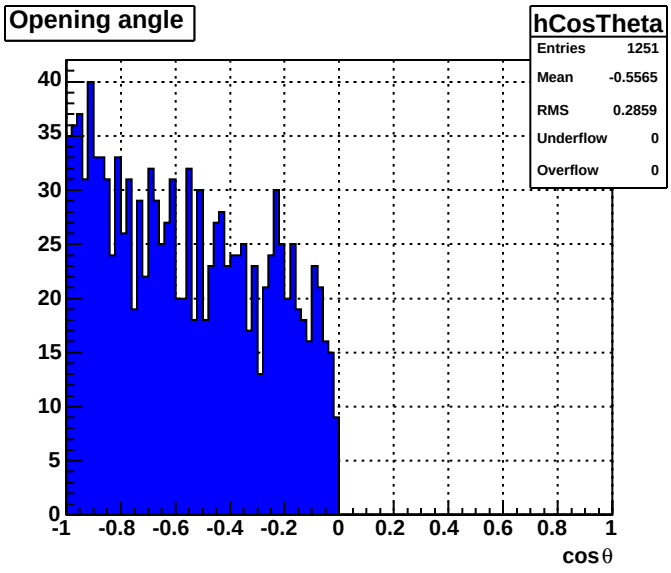

Number of L0 towers
hNumberOfTowersL0
Entries 1251
Mean 1.017
RMS 0.1615
Underflow 0
Overflow 0

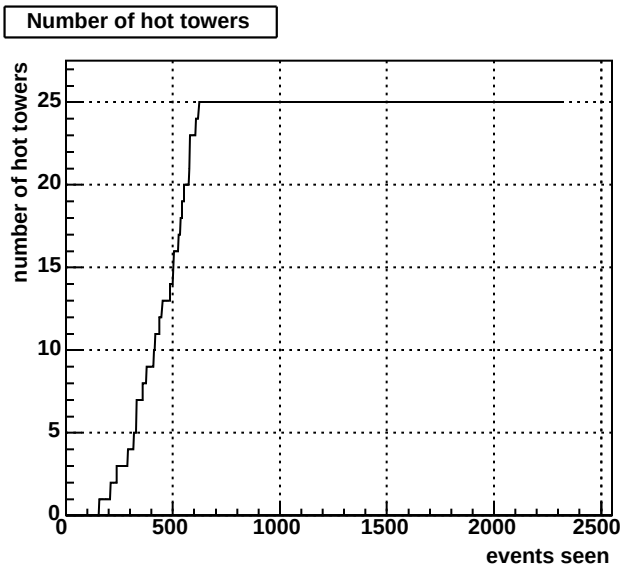

Number of L2 towers
hNumberOfTowersL2
Entries 1251
Mean 27.96
RMS 14.98
Underflow 0
Overflow 1

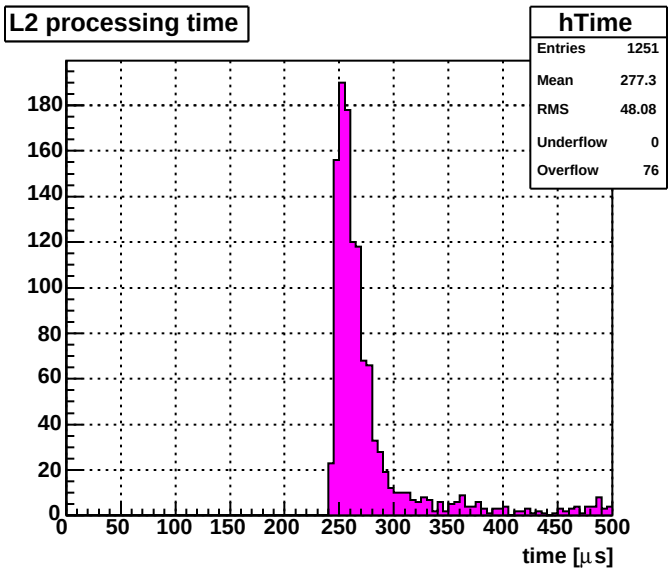

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1251
Mean 7.676
RMS 2.302
Underflow 0
Overflow 8
χ² / ndf 42.51 / 43
Constant 6.881 ± 0.135
Slope -0.4231 ± 0.0161
E [GeV]

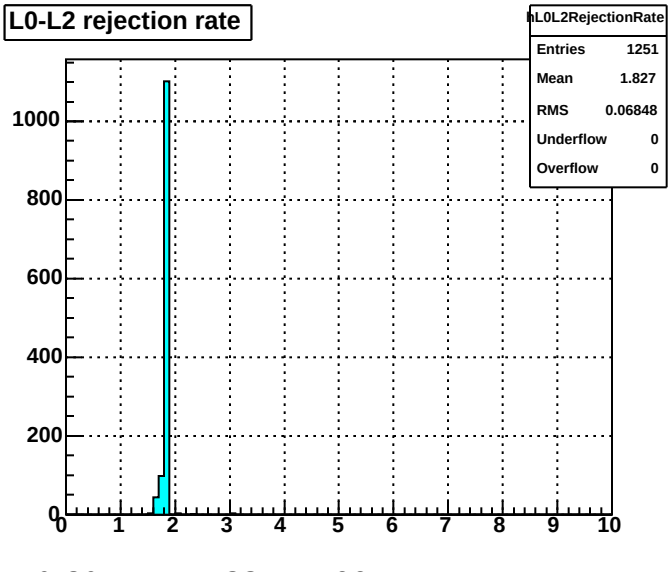

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1251
Mean 3.616
RMS 0.7114
Underflow 0
Overflow 0
χ² / ndf 12.99 / 17
Constant 11.09 ± 0.18
Slope -1.683 ± 0.048
E [GeV]

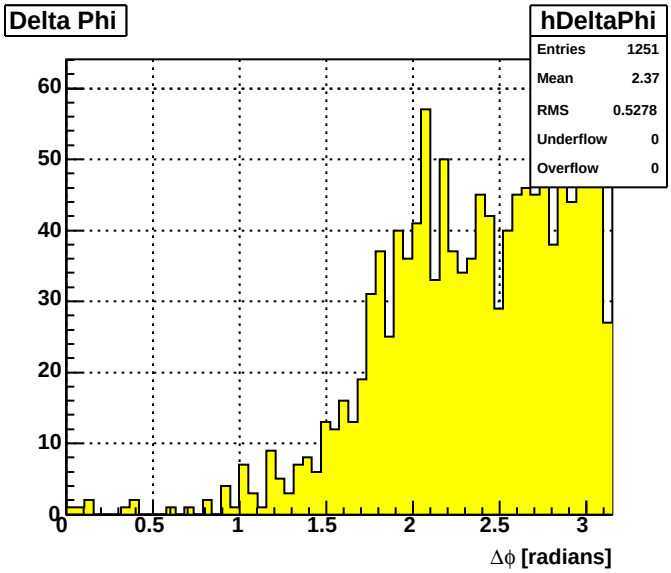

Invariant mass
hInvMass
Entries 1251
Mean 9.147
RMS 1.707
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

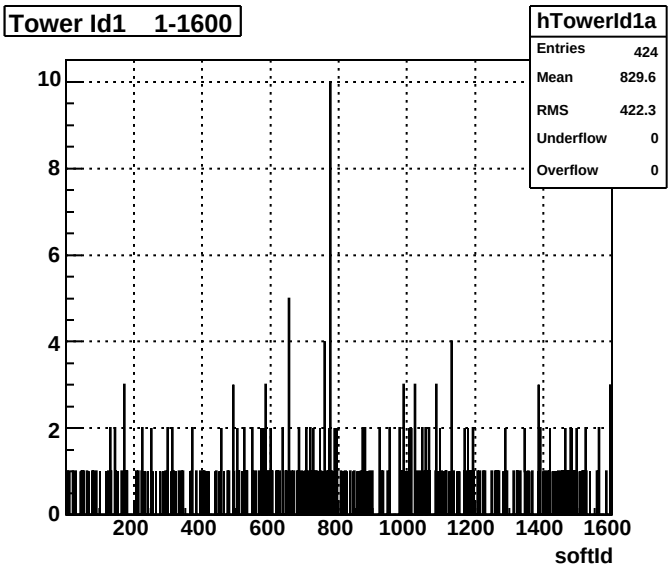

Opening angle
hCosTheta
Entries 1251
Mean -0.5565
RMS 0.2859
Underflow 0
Overflow 0
cos θ

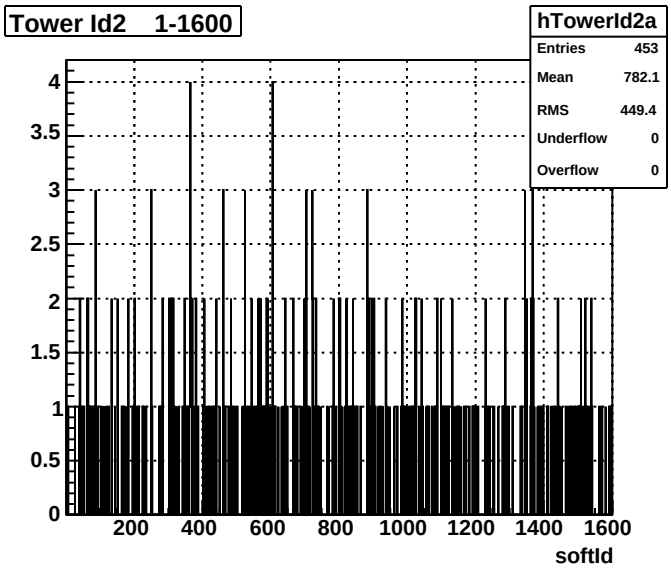

Number of hot towers
number of hot towers
events seen

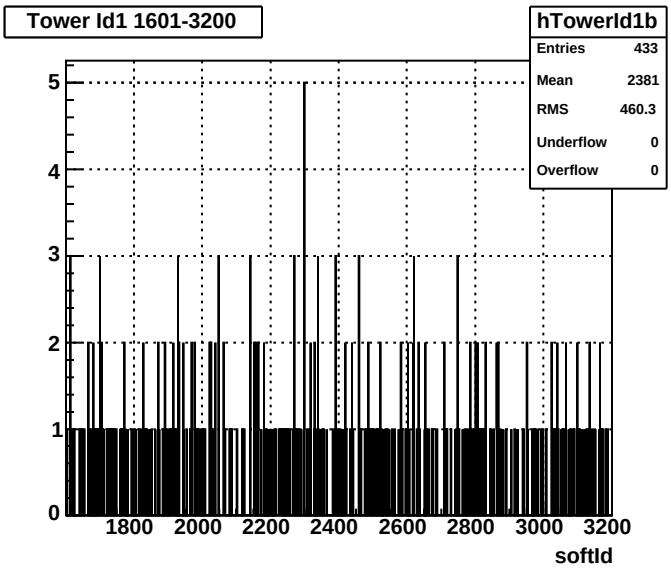

L2 processing time
hTime
Entries 1251
Mean 277.3
RMS 48.08
Underflow 0
Overflow 76
time [μs]

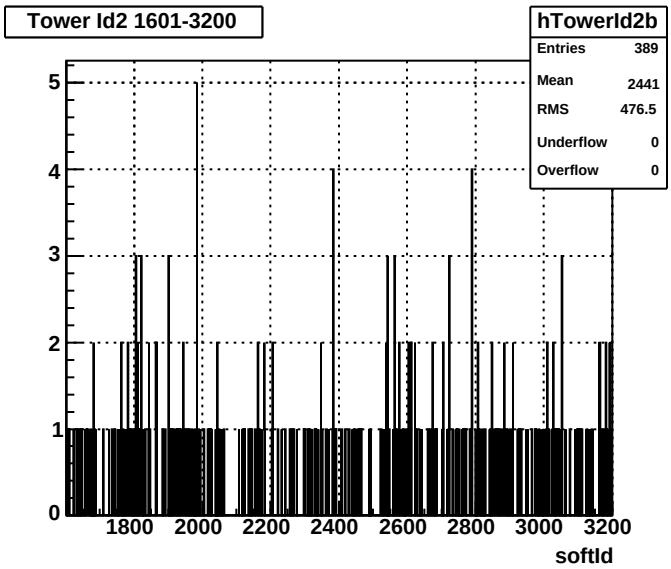

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1251
Mean 1.827
RMS 0.06848
Underflow 0
Overflow 0

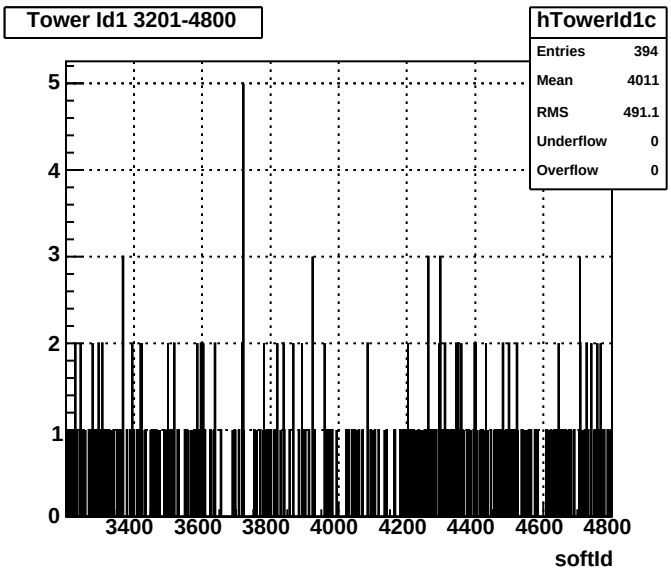

Delta Phi
hDeltaPhi
Entries 1251
Mean 2.37
RMS 0.5278
Underflow 0
Overflow 0
Δφ [radians]

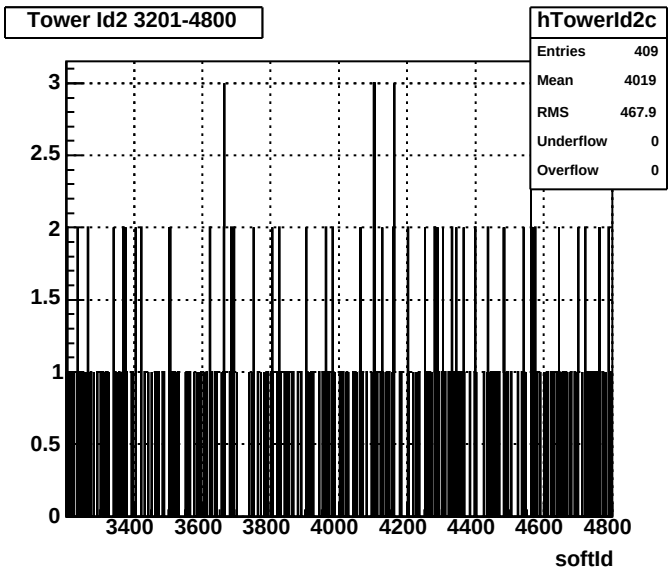

Tower Id1 1-1600
hTowerId1a
Entries 424
Mean 829.6
RMS 422.3
Underflow 0
Overflow 0
softId

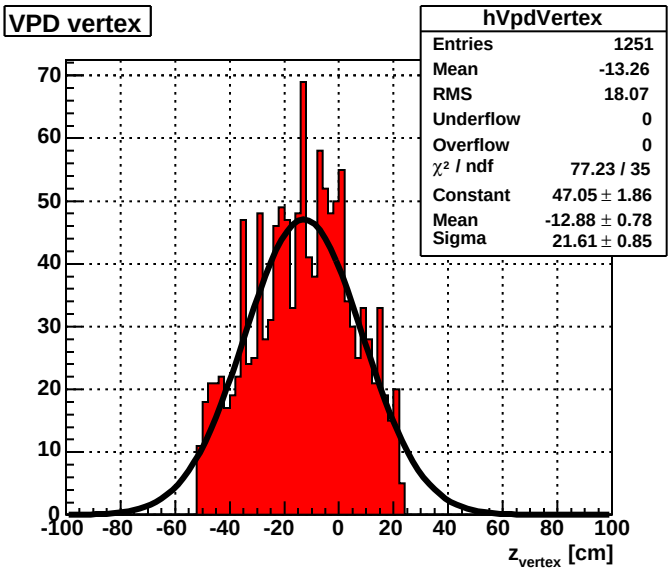

Tower Id2 1-1600
hTowerId2a
Entries 453
Mean 782.1
RMS 449.4
Underflow 0
Overflow 0
softId

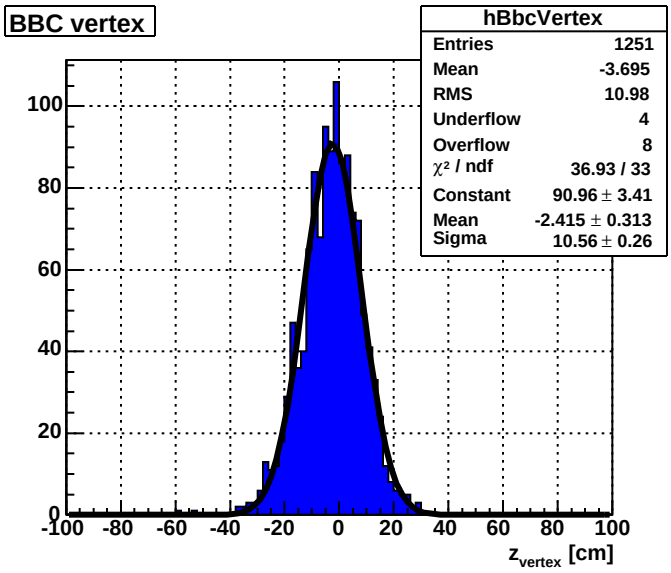

Tower Id1 1601-3200
hTowerId1b
Entries 433
Mean 2381
RMS 460.3
Underflow 0
Overflow 0
softId

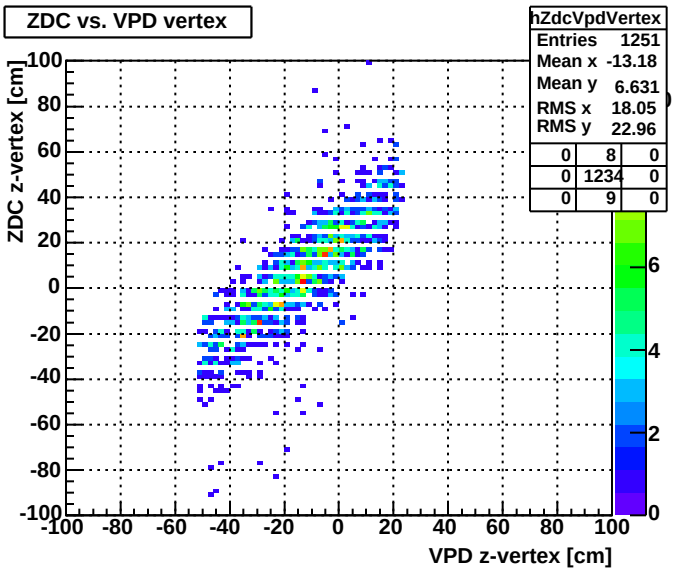

Tower Id2 1601-3200
hTowerId2b
Entries 389
Mean 2441
RMS 476.5
Underflow 0
Overflow 0
softId

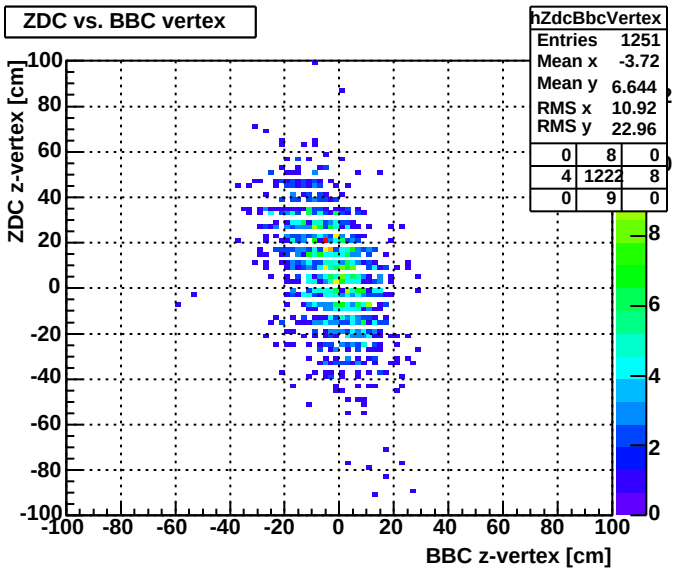

Tower Id1 3201-4800
hTowerId1c
Entries 394
Mean 4011
RMS 491.1
Underflow 0
Overflow 0
softId

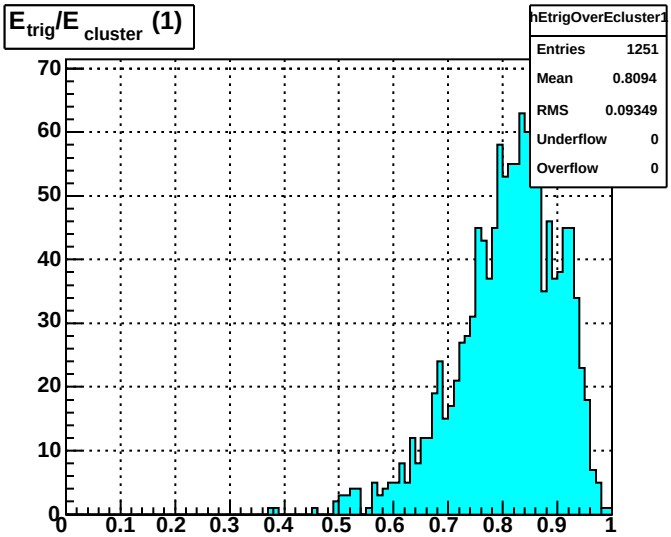

Tower Id2 3201-4800
hTowerId2c
Entries 409
Mean 4019
RMS 467.9
Underflow 0
Overflow 0
softId

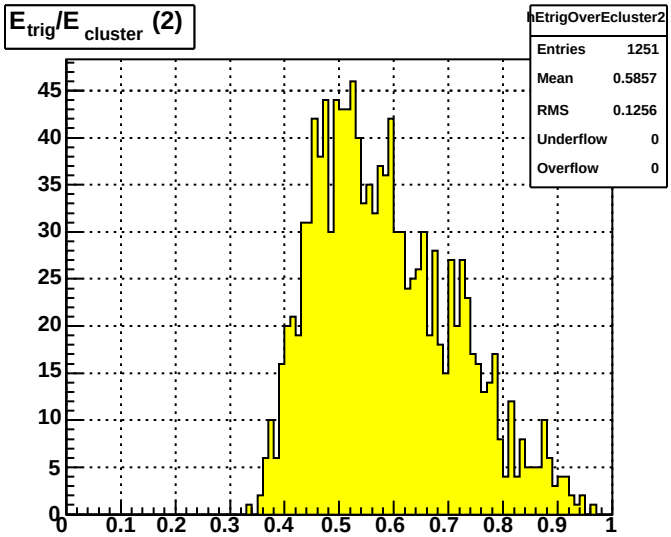

VPD vertex
hVpdVertex
Entries 1251
Mean -13.26
RMS 18.07
Underflow 0
Overflow 0
χ² / ndf 77.23 / 35
Constant 47.05 ± 1.86
Mean -12.88 ± 0.78
Sigma 21.61 ± 0.85
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1251
Mean -3.695
RMS 10.98
Underflow 4
Overflow 8
χ² / ndf 36.93 / 33
Constant 90.96 ± 3.41
Mean -2.415 ± 0.313
Sigma 10.56 ± 0.26
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1251
Mean x -13.18
Mean y 6.631
RMS x 18.05
RMS y 22.96
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1251
Mean x -3.72
Mean y 6.644
RMS x 10.92
RMS y 22.96
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1251
Mean 0.8094
RMS 0.09349
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1251
Mean 0.5857
RMS 0.1256
Underflow 0
Overflow 0