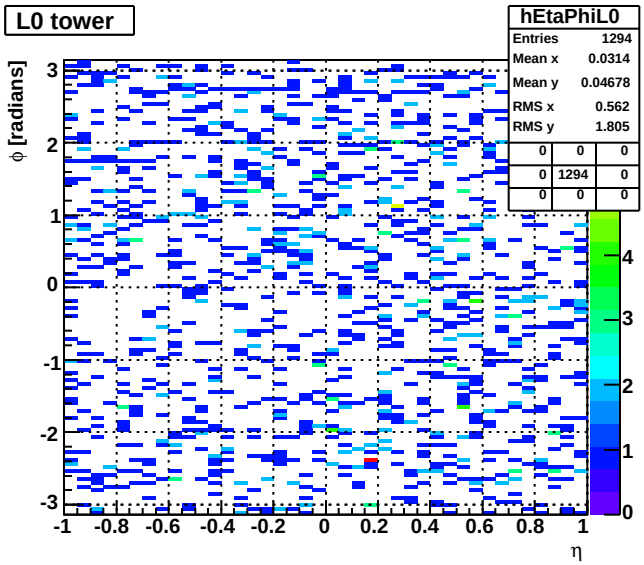
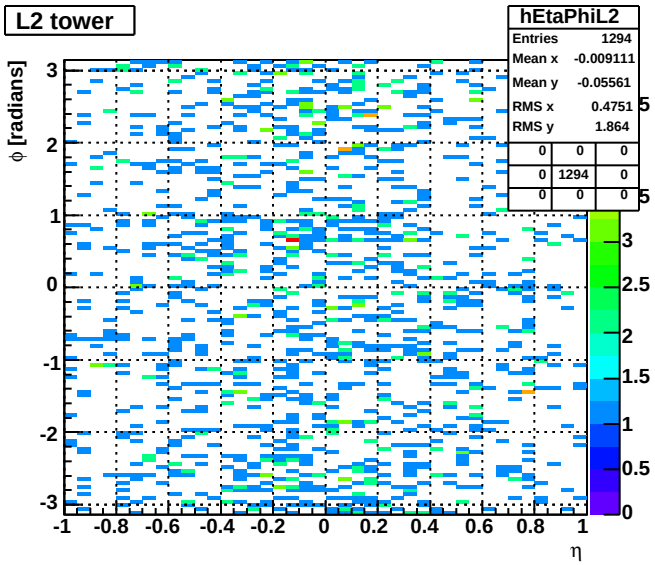
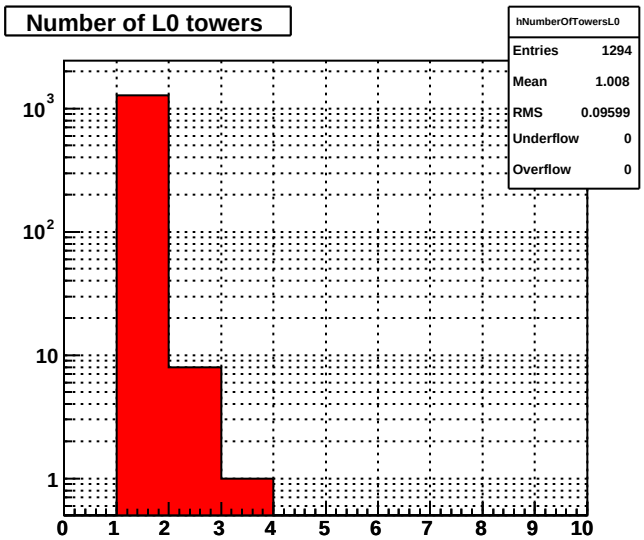
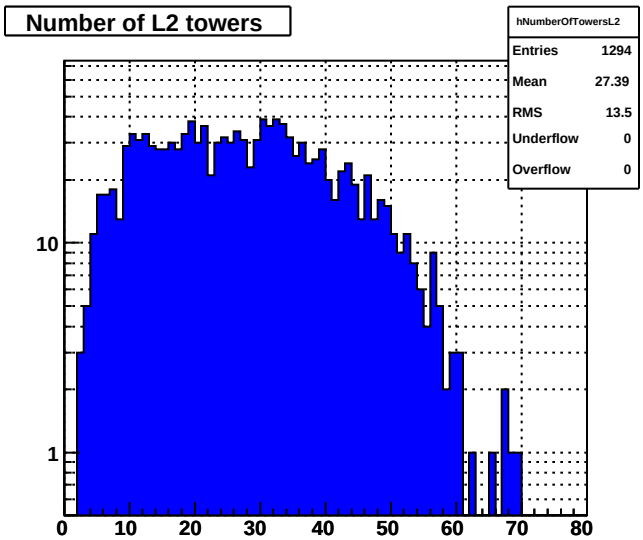
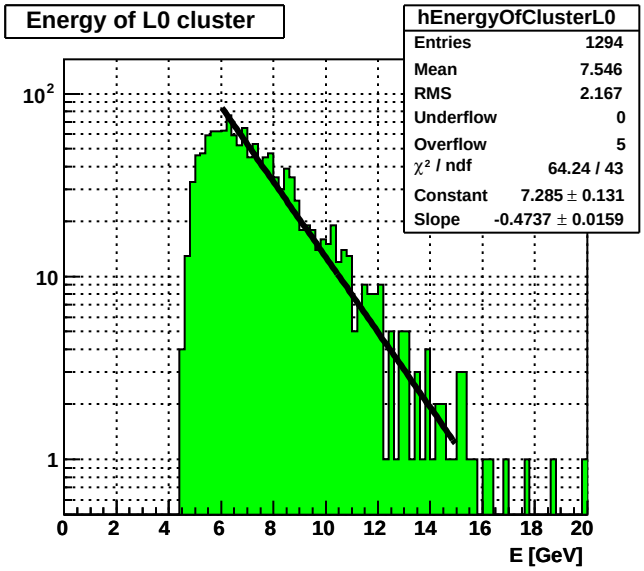
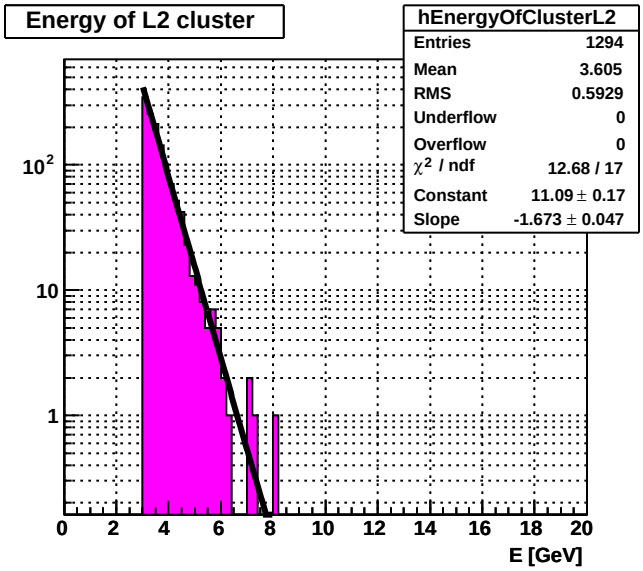

L0 tower
hEtaPhiL0
Entries 1294
Mean x 0.0314
Mean y 0.04678
RMS x 0.562
RMS y 1.805
φ [radians]
η

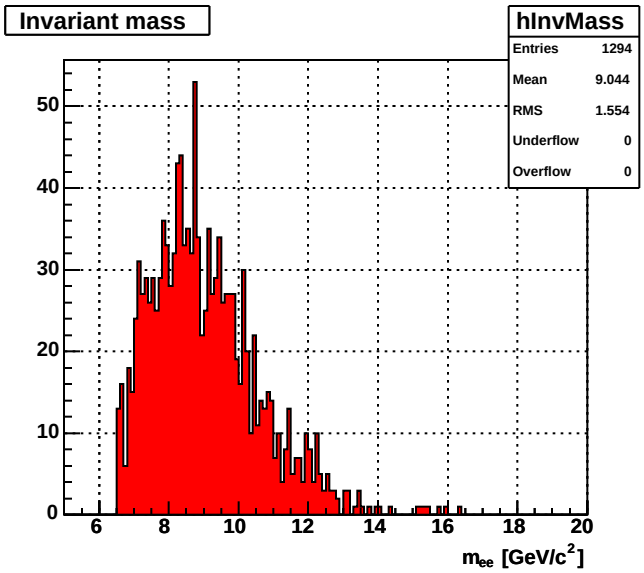

L2 tower
hEtaPhiL2
Entries 1294
Mean x -0.009111
Mean y -0.05561
RMS x 0.4751
RMS y 1.864
φ [radians]
η

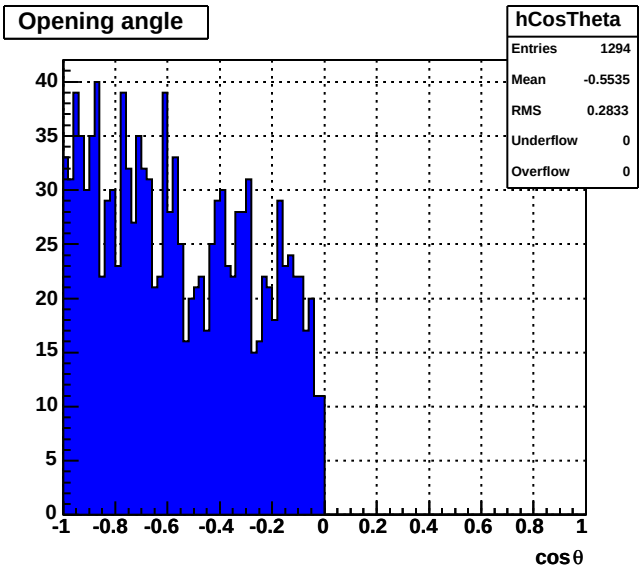

Number of L0 towers
hNumberOfTowersL0
Entries 1294
Mean 1.008
RMS 0.09599
Underflow 0
Overflow 0

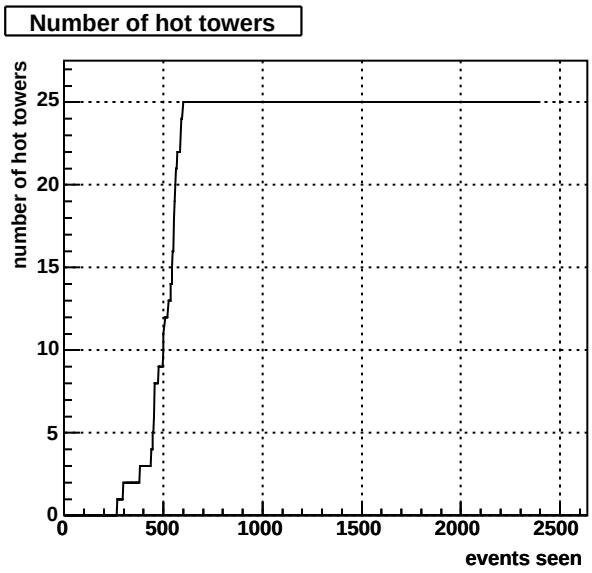

Number of L2 towers
hNumberOfTowersL2
Entries 1294
Mean 27.39
RMS 13.5
Underflow 0
Overflow 0

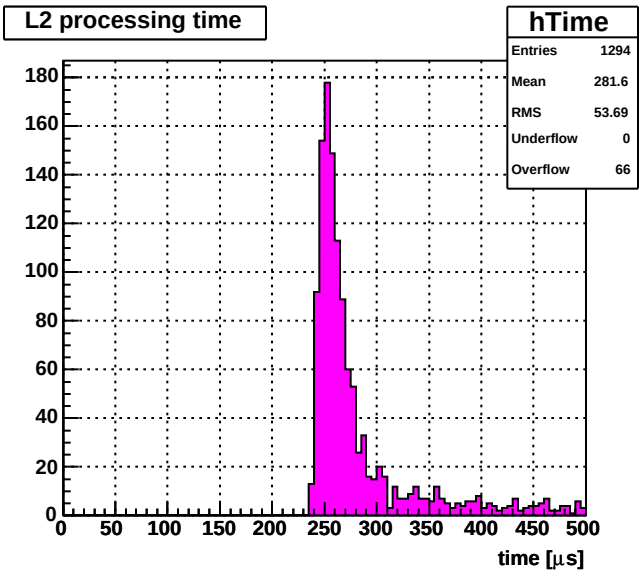

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1294
Mean 7.546
RMS 2.167
Underflow 0
Overflow 5
χ² / ndf 64.24 / 43
Constant 7.285 ± 0.131
Slope -0.4737 ± 0.0159
E [GeV]

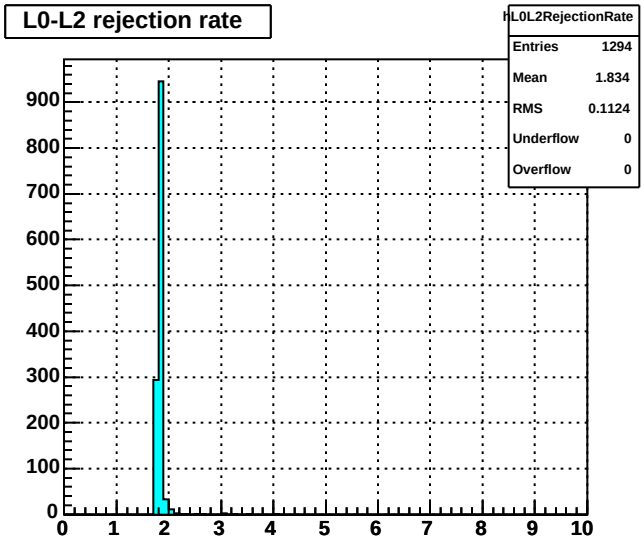

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1294
Mean 3.605
RMS 0.5929
Underflow 0
Overflow 0
χ² / ndf 12.68 / 17
Constant 11.09 ± 0.17
Slope -1.673 ± 0.047
E [GeV]

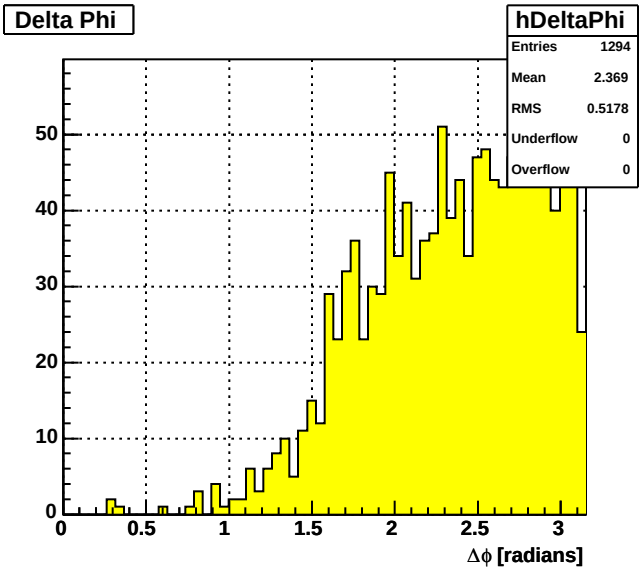

Invariant mass
hInvMass
Entries 1294
Mean 9.044
RMS 1.554
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

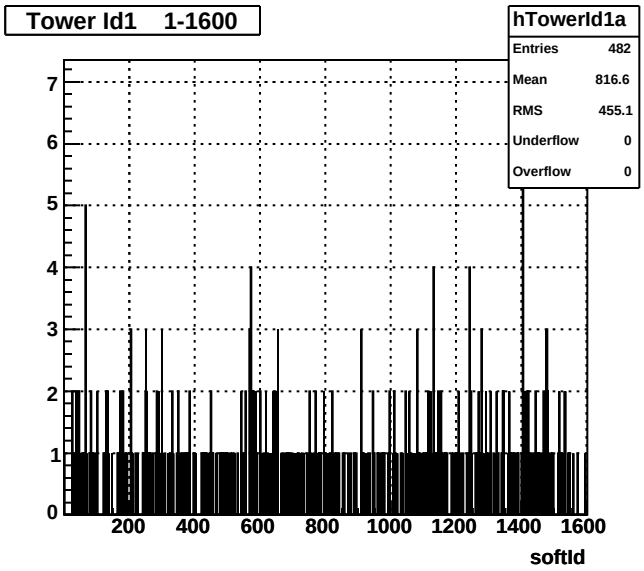

Opening angle
hCosTheta
Entries 1294
Mean -0.5535
RMS 0.2833
Underflow 0
Overflow 0
cos θ

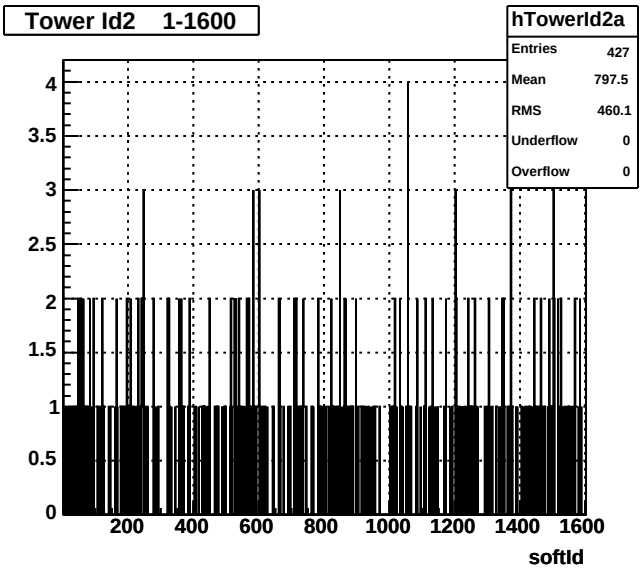

Number of hot towers
number of hot towers
events seen

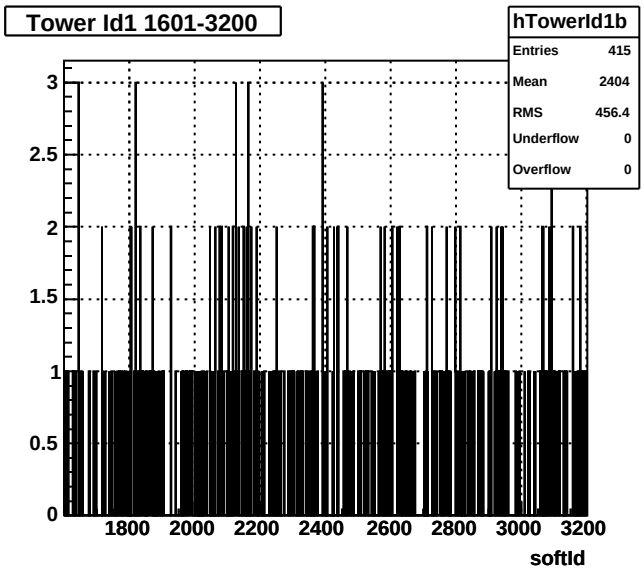

L2 processing time
hTime
Entries 1294
Mean 281.6
RMS 53.69
Underflow 0
Overflow 66
time [μs]

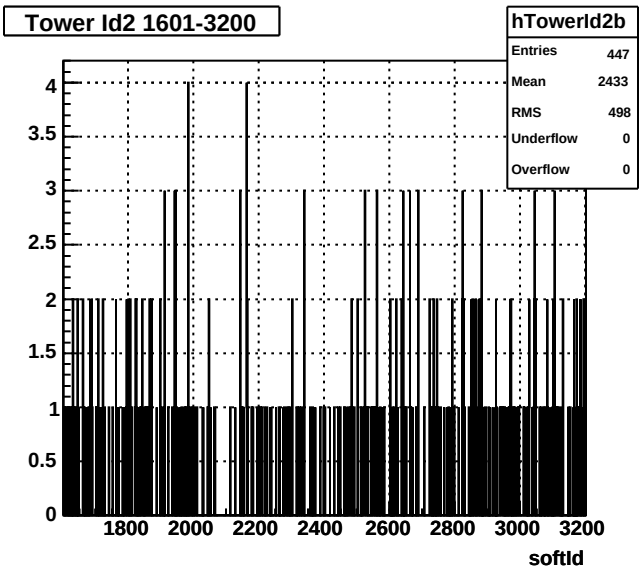

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1294
Mean 1.834
RMS 0.1124
Underflow 0
Overflow 0

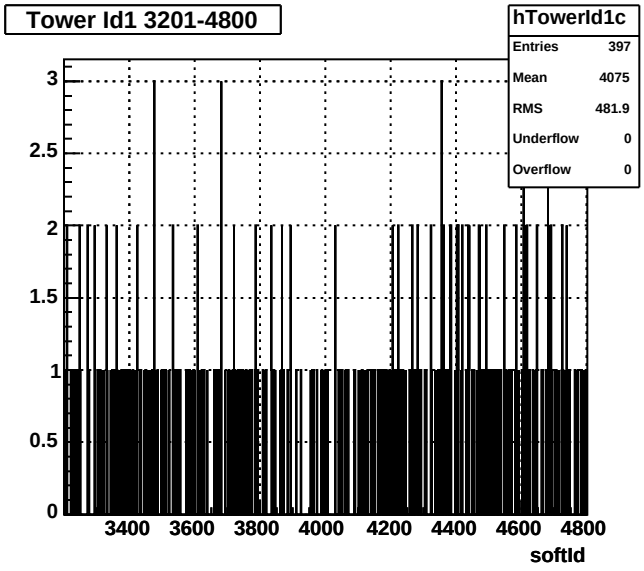

Delta Phi
hDeltaPhi
Entries 1294
Mean 2.369
RMS 0.5178
Underflow 0
Overflow 0
Δφ [radians]

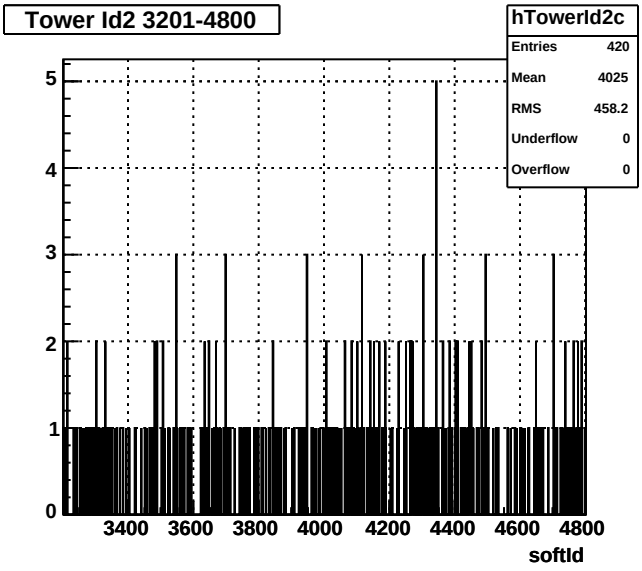

Tower Id1 1-1600
hTowerId1a
Entries 482
Mean 816.6
RMS 455.1
Underflow 0
Overflow 0
softId

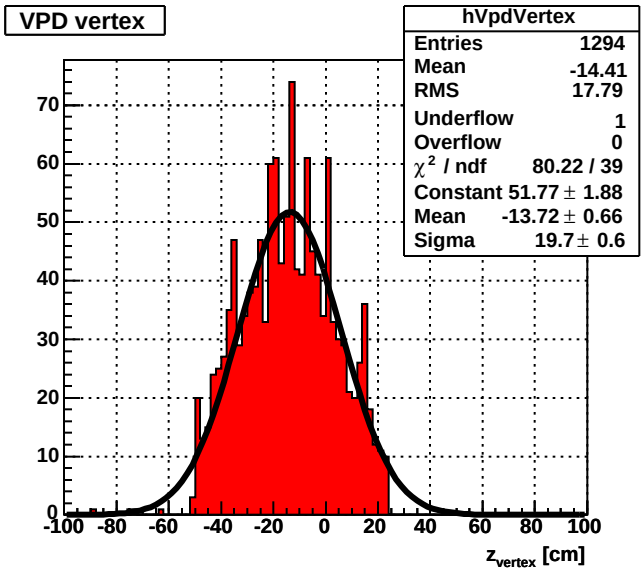

Tower Id2 1-1600
hTowerId2a
Entries 427
Mean 797.5
RMS 460.1
Underflow 0
Overflow 0
softId

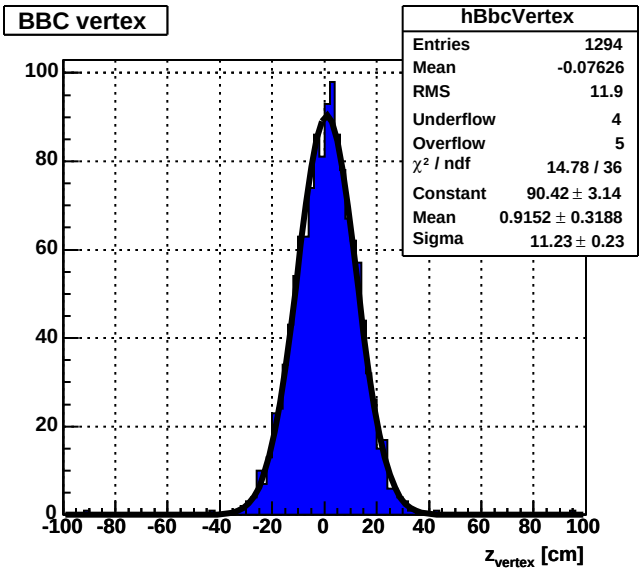

Tower Id1 1601-3200
hTowerId1b
Entries 415
Mean 2404
RMS 456.4
Underflow 0
Overflow 0
softId

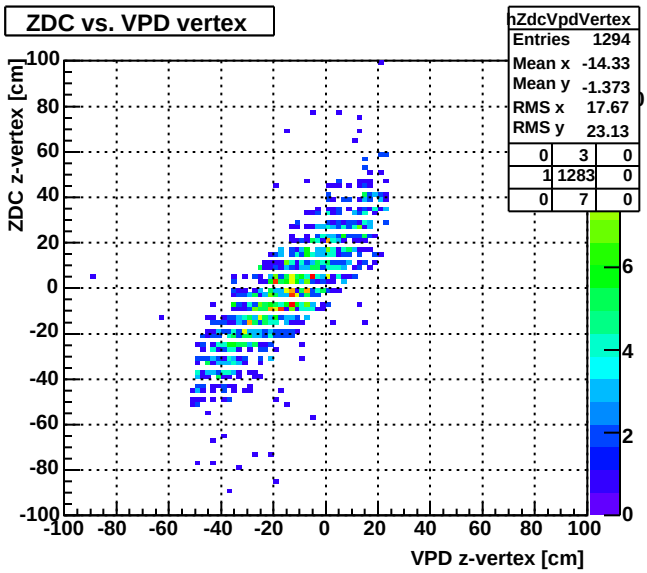

Tower Id2 1601-3200
hTowerId2b
Entries 447
Mean 2433
RMS 498
Underflow 0
Overflow 0
softId

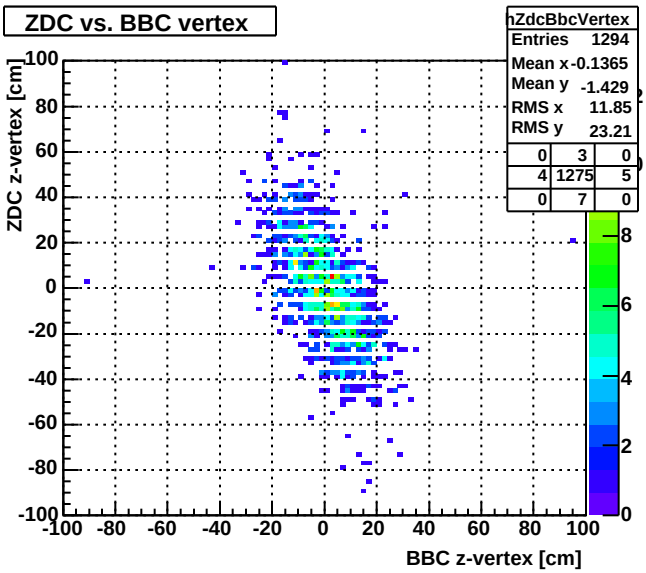

Tower Id1 3201-4800
hTowerId1c
Entries 397
Mean 4075
RMS 481.9
Underflow 0
Overflow 0
softId

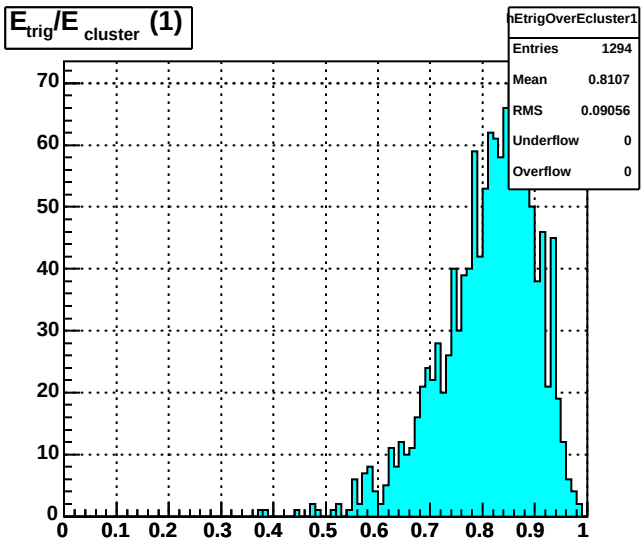

Tower Id2 3201-4800
hTowerId2c
Entries 420
Mean 4025
RMS 458.2
Underflow 0
Overflow 0
softId

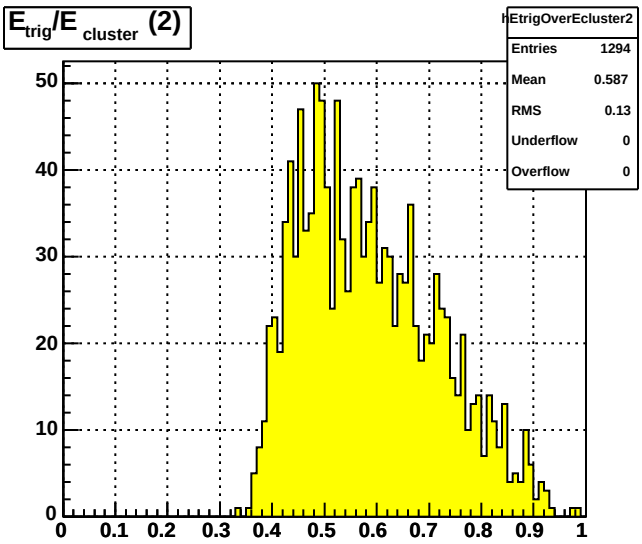

VPD vertex
hVpdVertex
Entries 1294
Mean -14.41
RMS 17.79
Underflow 1
Overflow 0
χ² / ndf 80.22 / 39
Constant 51.77 ± 1.88
Mean -13.72 ± 0.66
Sigma 19.7 ± 0.6
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1294
Mean -0.07626
RMS 11.9
Underflow 4
Overflow 5
χ² / ndf 14.78 / 36
Constant 90.42 ± 3.14
Mean 0.9152 ± 0.3188
Sigma 11.23 ± 0.23
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1294
Mean x -14.33
Mean y -1.373
RMS x 17.67
RMS y 23.13
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1294
Mean x -0.1365
Mean y -1.429
RMS x 11.85
RMS y 23.21
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1294
Mean 0.8107
RMS 0.09056
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1294
Mean 0.587
RMS 0.13
Underflow 0
Overflow 0