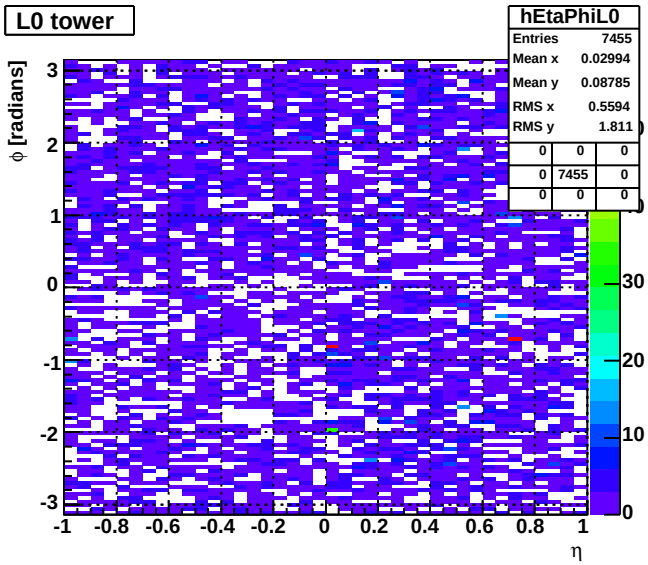
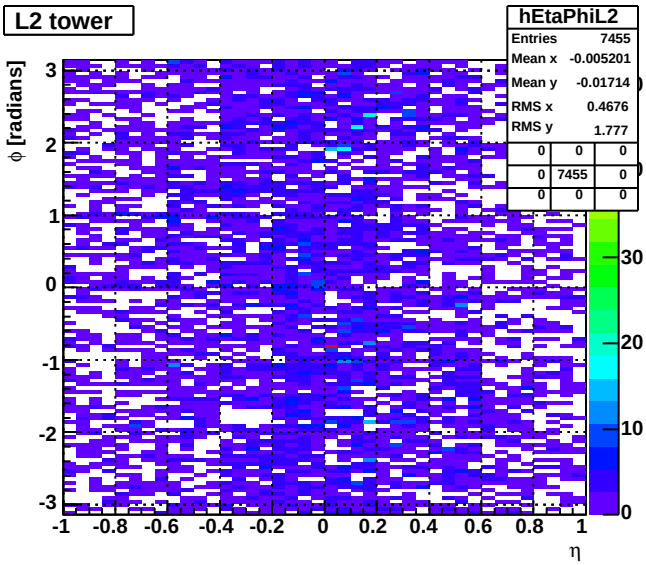
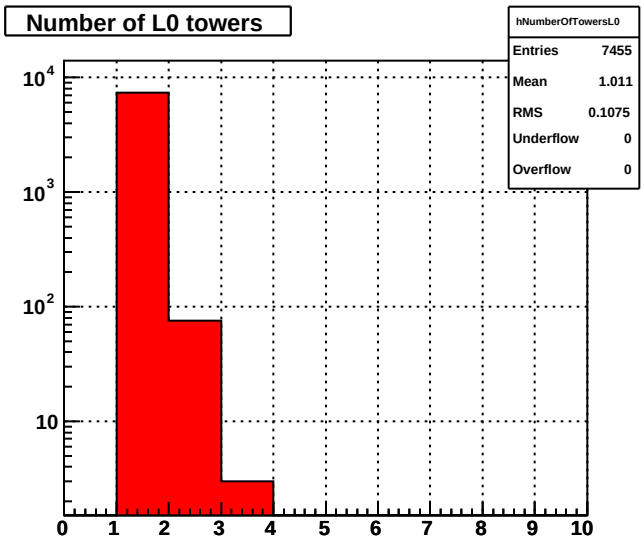
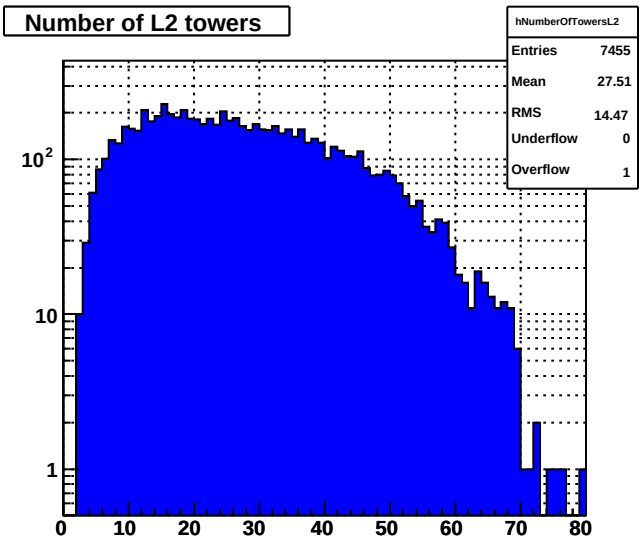
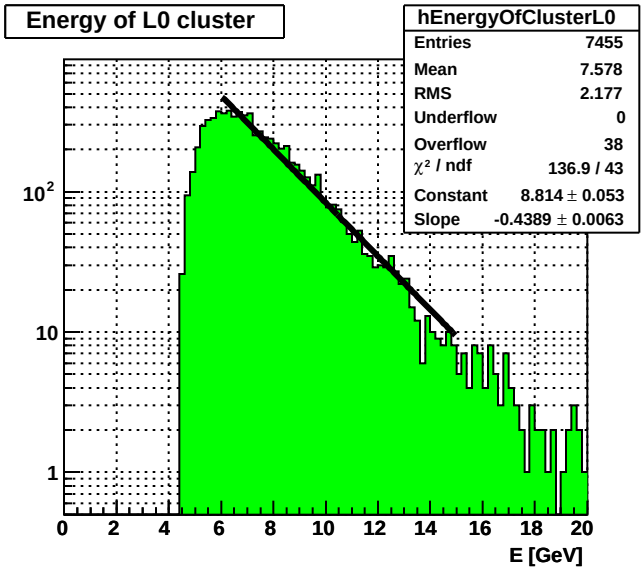
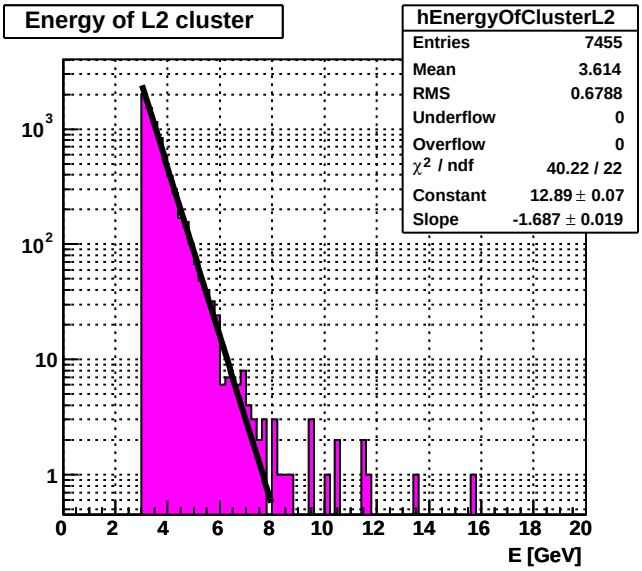

L0 tower
hEtaPhiL0
Entries 7455
Mean x 0.02994
Mean y 0.08785
RMS x 0.5594
RMS y 1.811
φ [radians]
η

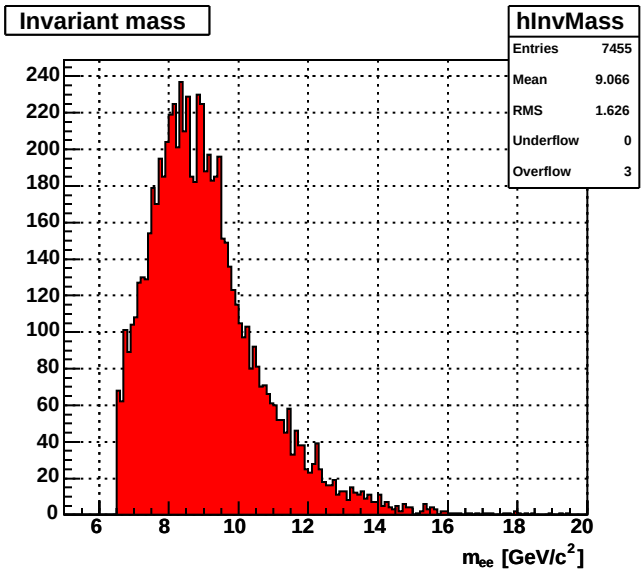

L2 tower
hEtaPhiL2
Entries 7455
Mean x -0.005201
Mean y -0.01714
RMS x 0.4676
RMS y 1.777
φ [radians]
η

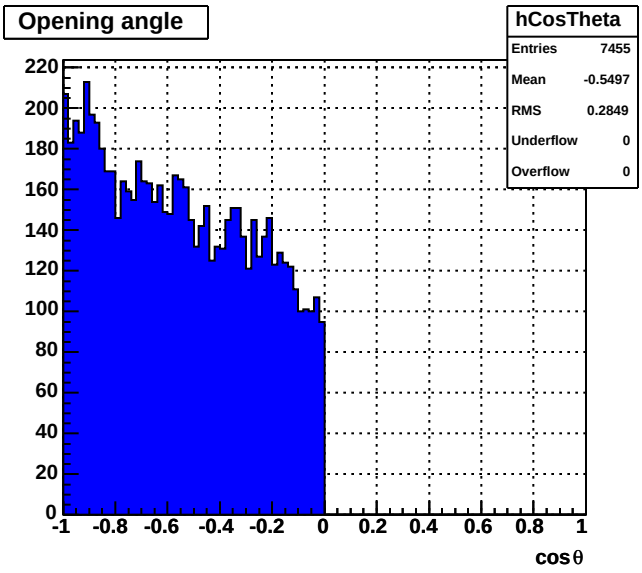

Number of L0 towers
hNumberOfTowersL0
Entries 7455
Mean 1.011
RMS 0.1075
Underflow 0
Overflow 0

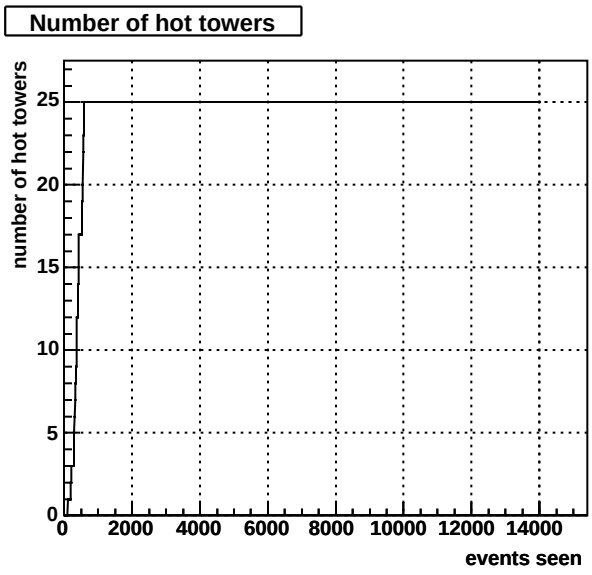

Number of L2 towers
hNumberOfTowersL2
Entries 7455
Mean 27.51
RMS 14.47
Underflow 0
Overflow 1

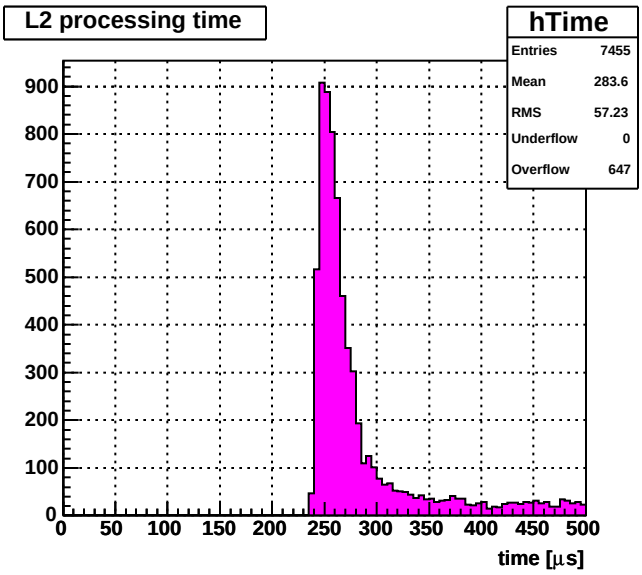

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7455
Mean 7.578
RMS 2.177
Underflow 0
Overflow 38
χ² / ndf 136.9 / 43
Constant 8.814 ± 0.053
Slope -0.4389 ± 0.0063
E [GeV]

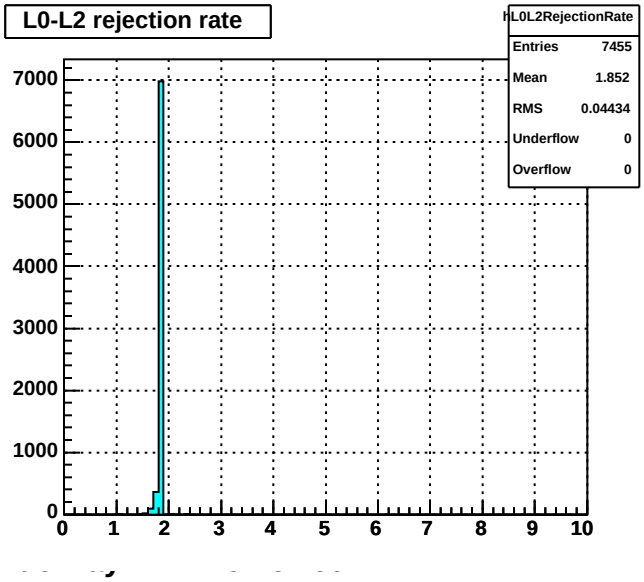

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7455
Mean 3.614
RMS 0.6788
Underflow 0
Overflow 0
χ² / ndf 40.22 / 22
Constant 12.89 ± 0.07
Slope -1.687 ± 0.019
E [GeV]

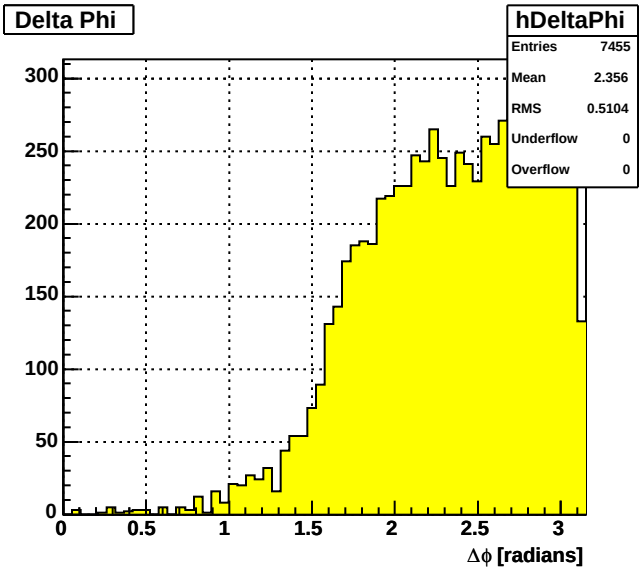

Invariant mass
hInvMass
Entries 7455
Mean 9.066
RMS 1.626
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

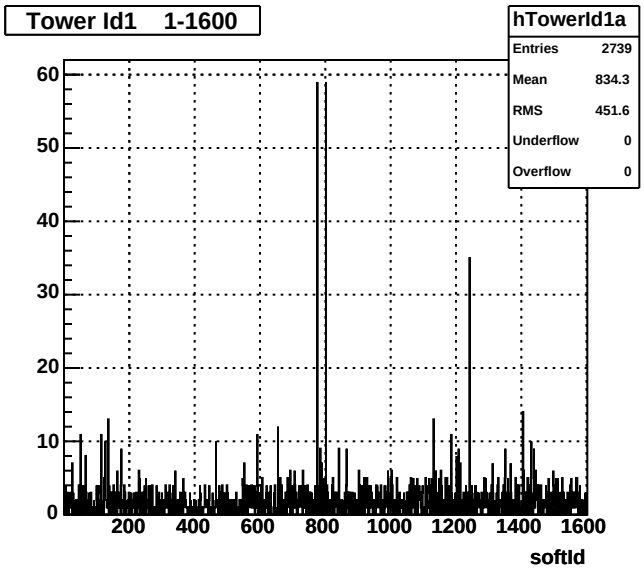

Opening angle
hCosTheta
Entries 7455
Mean -0.5497
RMS 0.2849
Underflow 0
Overflow 0
cos θ

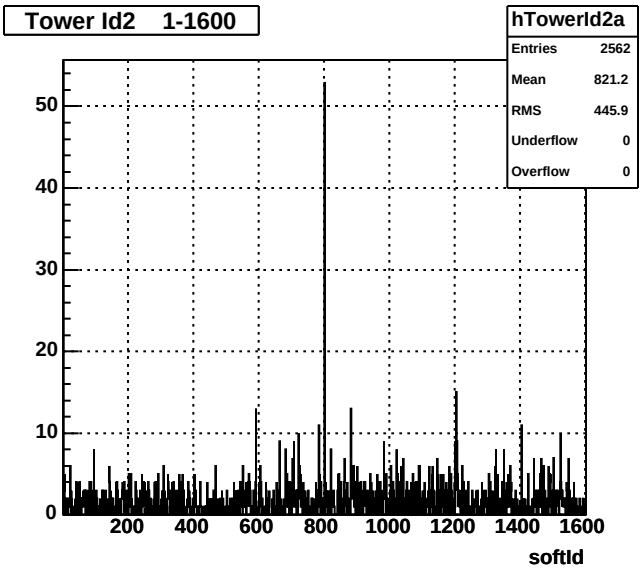

Number of hot towers
number of hot towers
events seen

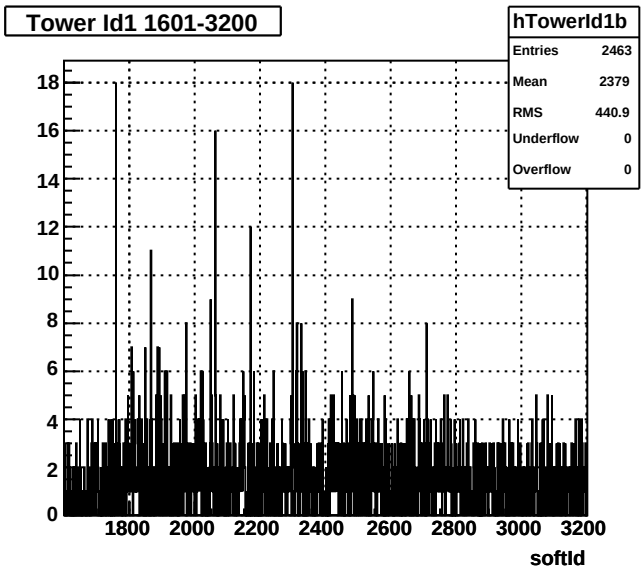

L2 processing time
hTime
Entries 7455
Mean 283.6
RMS 57.23
Underflow 0
Overflow 647
time [μs]

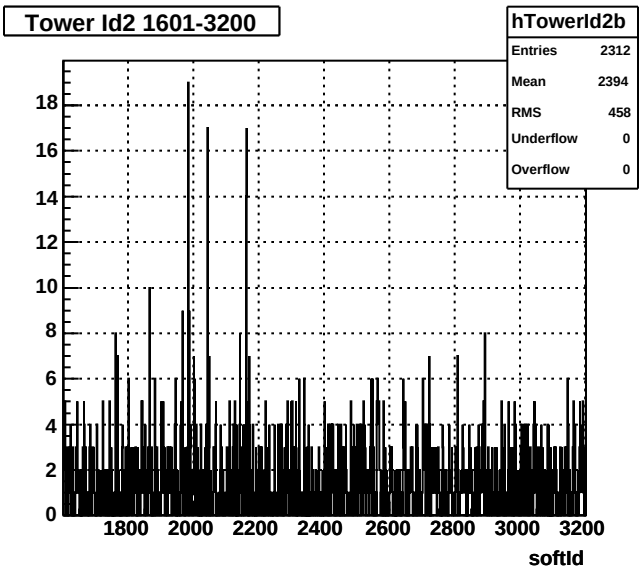

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7455
Mean 1.852
RMS 0.04434
Underflow 0
Overflow 0

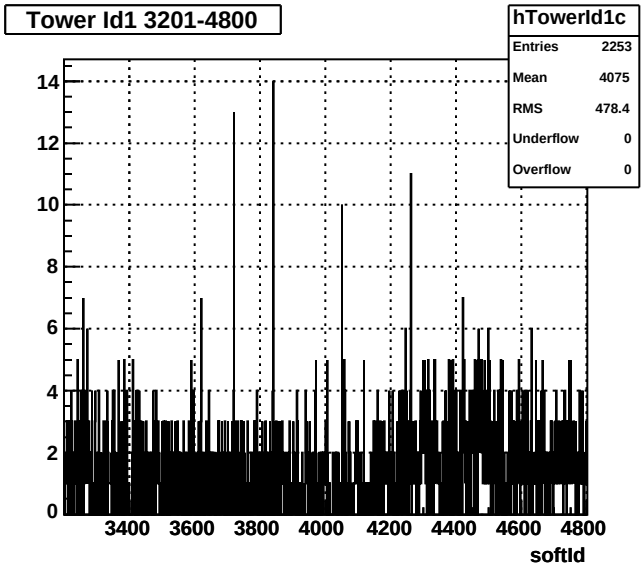

Delta Phi
hDeltaPhi
Entries 7455
Mean 2.356
RMS 0.5104
Underflow 0
Overflow 0
Δφ [radians]

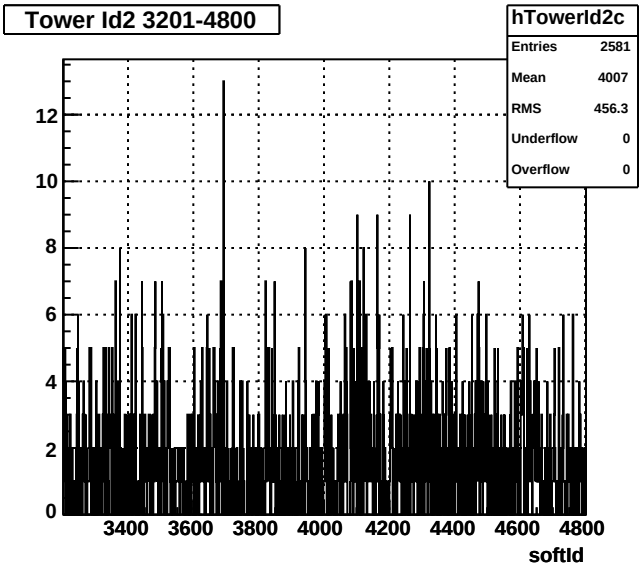

Tower Id1 1-1600
hTowerId1a
Entries 2739
Mean 834.3
RMS 451.6
Underflow 0
Overflow 0
softId

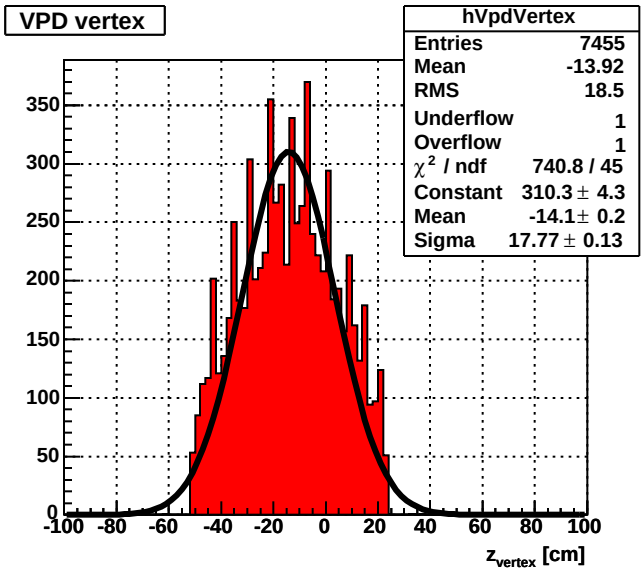

Tower Id2 1-1600
hTowerId2a
Entries 2562
Mean 821.2
RMS 445.9
Underflow 0
Overflow 0
softId

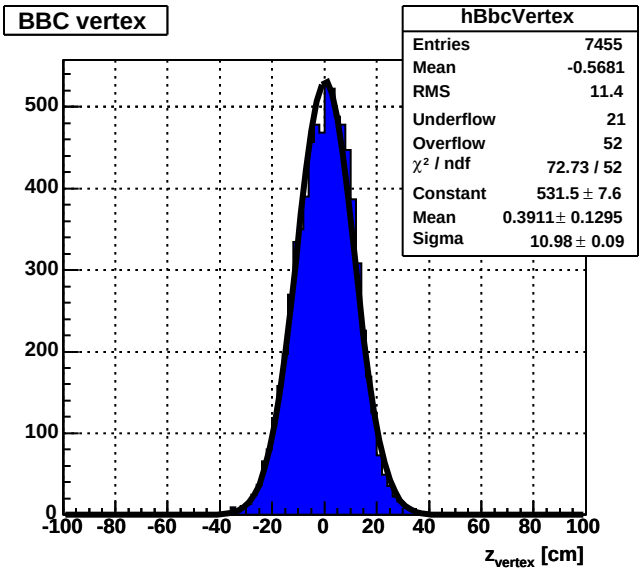

Tower Id1 1601-3200
hTowerId1b
Entries 2463
Mean 2379
RMS 440.9
Underflow 0
Overflow 0
softId

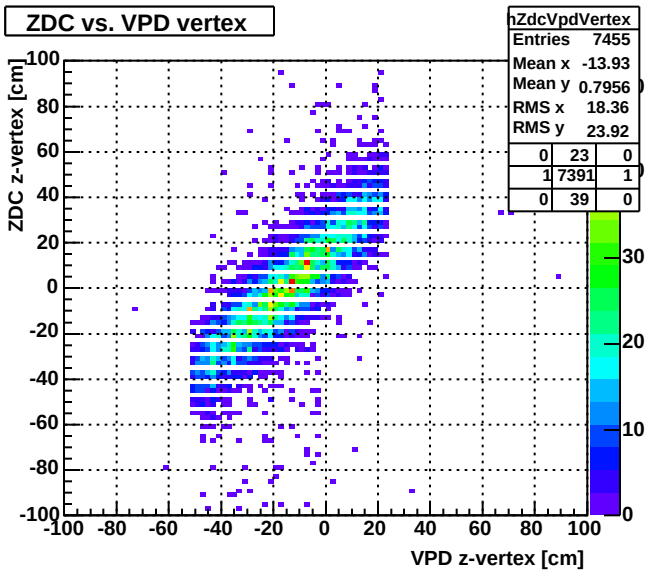

Tower Id2 1601-3200
hTowerId2b
Entries 2312
Mean 2394
RMS 458
Underflow 0
Overflow 0
softId

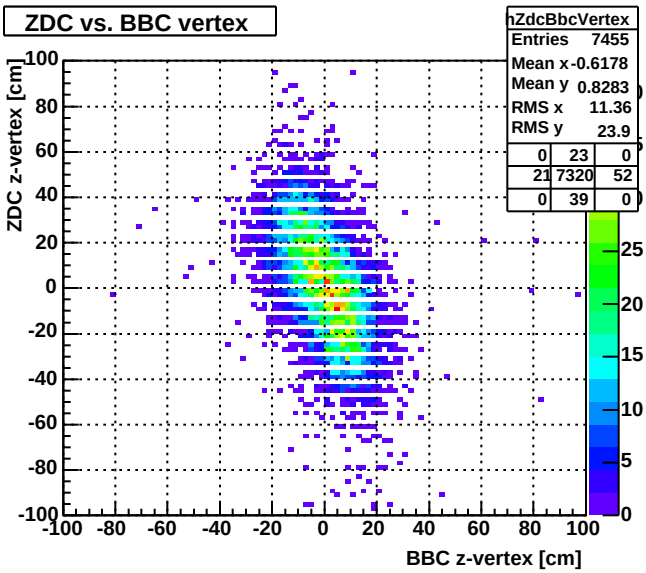

Tower Id1 3201-4800
hTowerId1c
Entries 2253
Mean 4075
RMS 478.4
Underflow 0
Overflow 0
softId

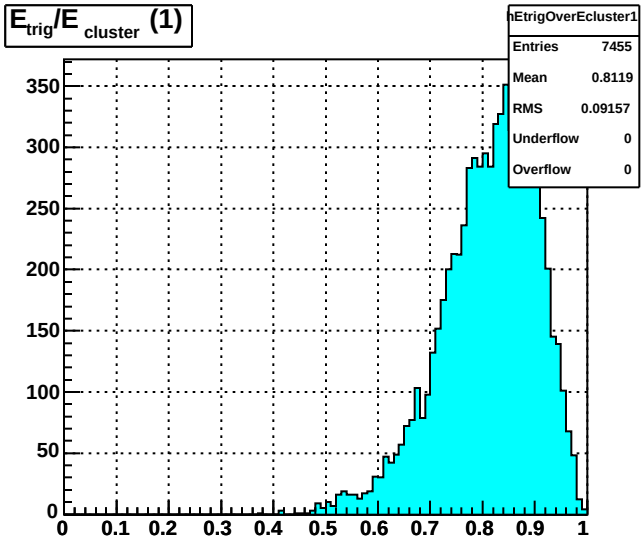

Tower Id2 3201-4800
hTowerId2c
Entries 2581
Mean 4007
RMS 456.3
Underflow 0
Overflow 0
softId

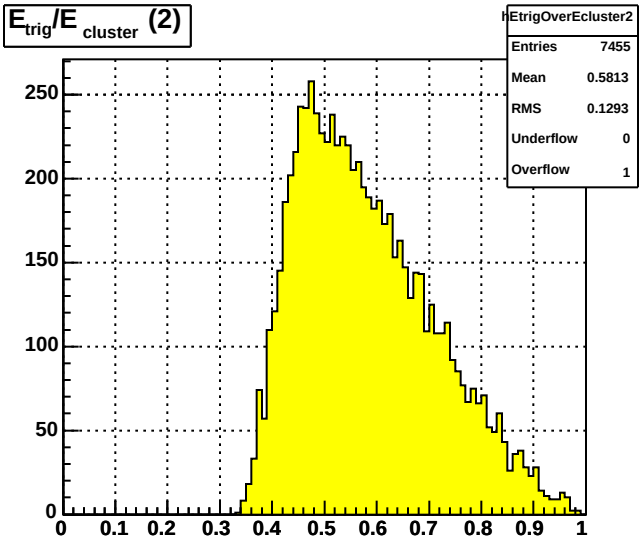

VPD vertex
hVpdVertex
Entries 7455
Mean -13.92
RMS 18.5
Underflow 1
Overflow 1
χ² / ndf 740.8 / 45
Constant 310.3 ± 4.3
Mean -14.1 ± 0.2
Sigma 17.77 ± 0.13
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7455
Mean -0.5681
RMS 11.4
Underflow 21
Overflow 52
χ² / ndf 72.73 / 52
Constant 531.5 ± 7.6
Mean 0.3911 ± 0.1295
Sigma 10.98 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7455
Mean x -13.93
Mean y 0.7956
RMS x 18.36
RMS y 23.92
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7455
Mean x -0.6178
Mean y 0.8283
RMS x 11.36
RMS y 23.9
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7455
Mean 0.8119
RMS 0.09157
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7455
Mean 0.5813
RMS 0.1293
Underflow 0
Overflow 1