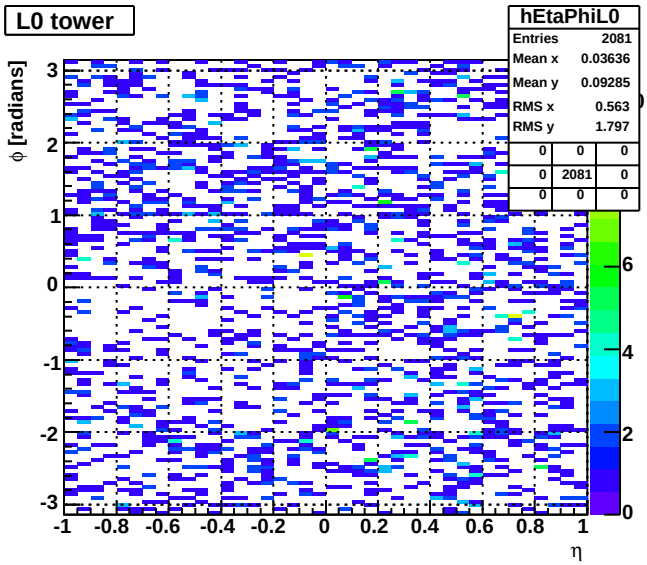
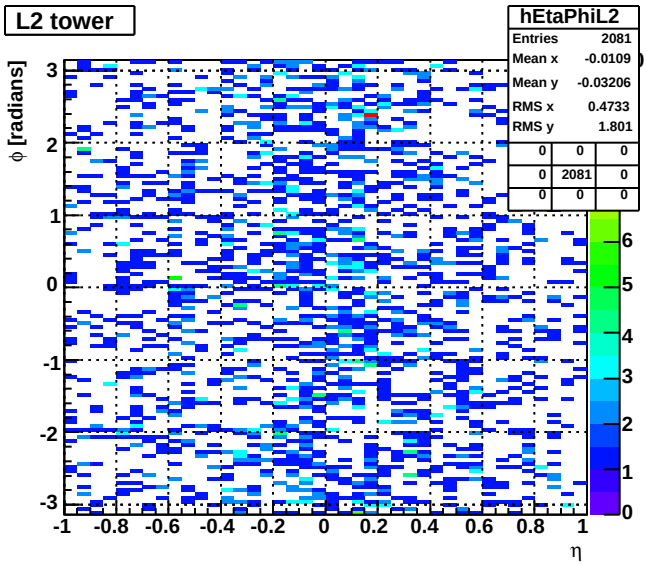
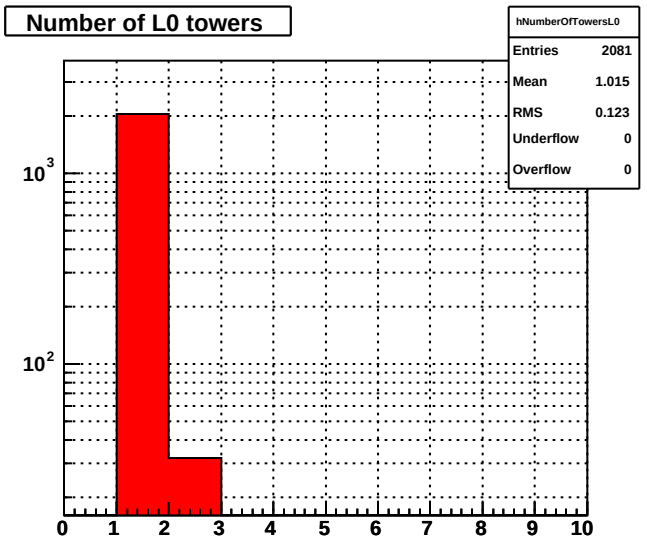
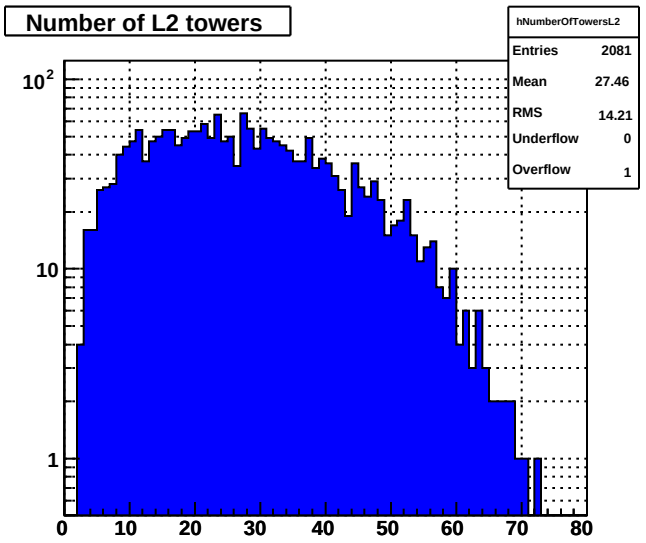
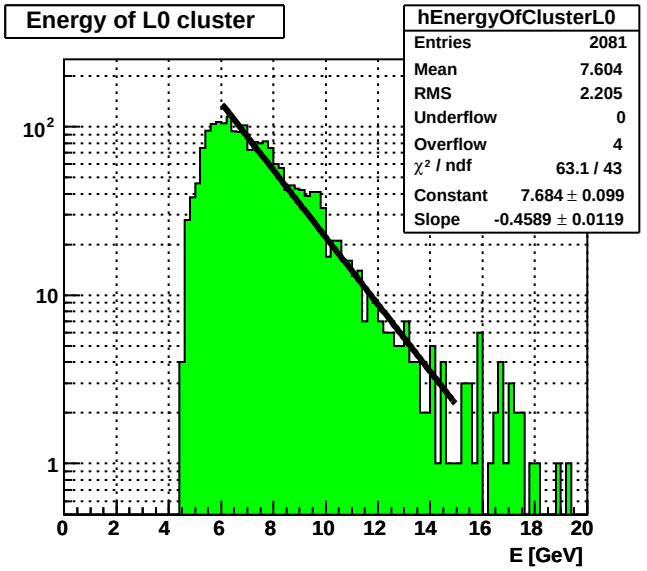
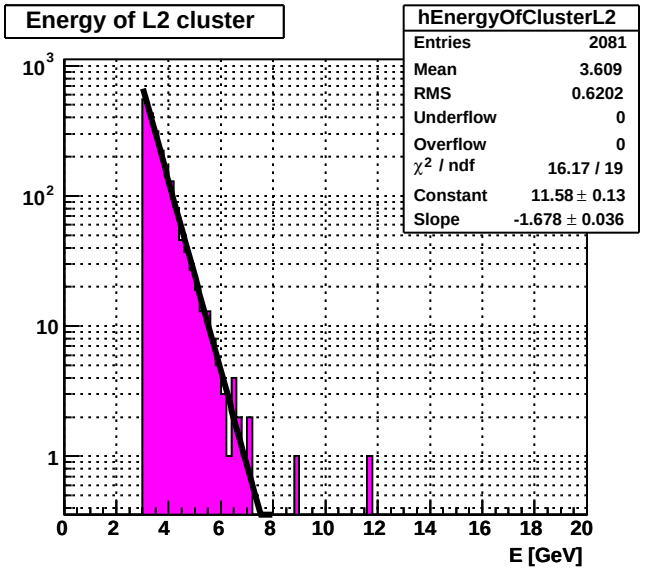

L0 tower
hEtaPhiL0
Entries 2081
Mean x 0.03636
Mean y 0.09285
RMS x 0.563
RMS y 1.797
φ [radians]
η

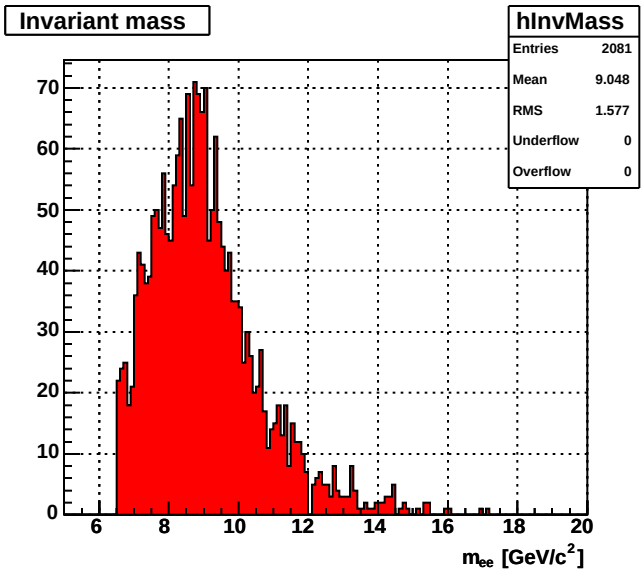

L2 tower
hEtaPhiL2
Entries 2081
Mean x -0.0109
Mean y -0.03206
RMS x 0.4733
RMS y 1.801
φ [radians]
η

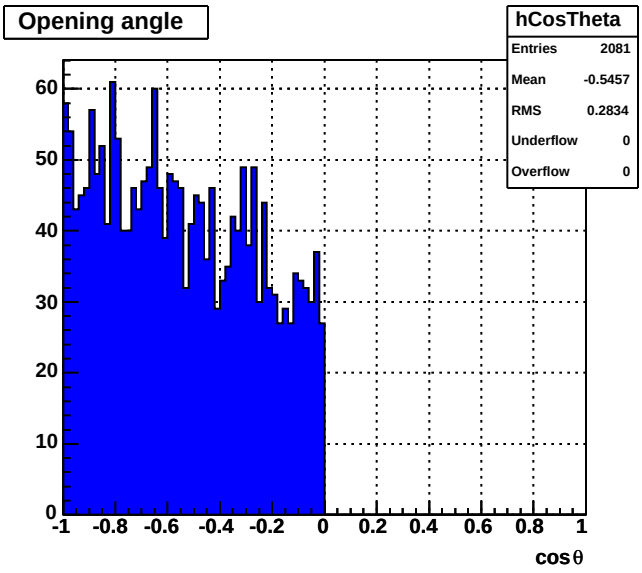

Number of L0 towers
hNumberOfTowersL0
Entries 2081
Mean 1.015
RMS 0.123
Underflow 0
Overflow 0

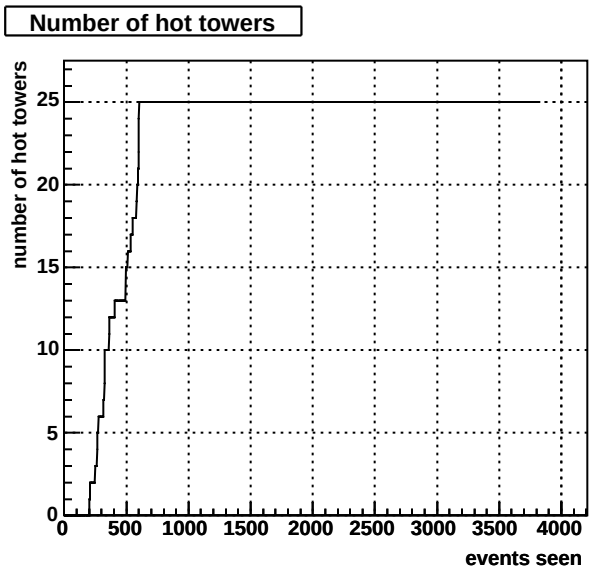

Number of L2 towers
hNumberOfTowersL2
Entries 2081
Mean 27.46
RMS 14.21
Underflow 0
Overflow 1

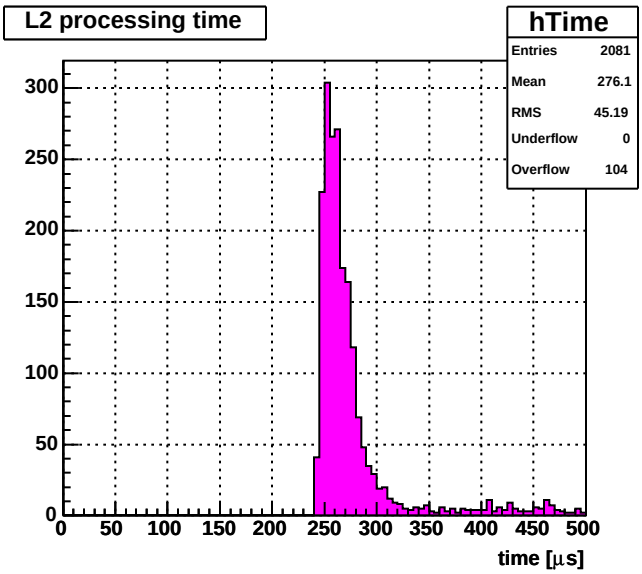

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2081
Mean 7.604
RMS 2.205
Underflow 0
Overflow 4
χ² / ndf 63.1 / 43
Constant 7.684 ± 0.099
Slope -0.4589 ± 0.0119
E [GeV]

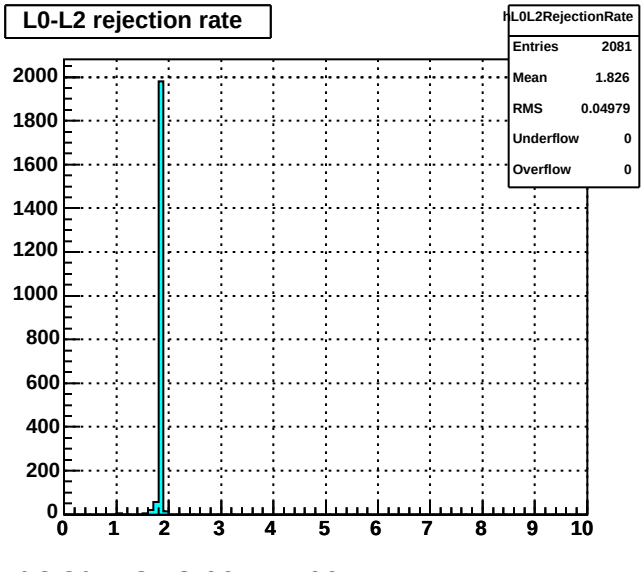

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2081
Mean 3.609
RMS 0.6202
Underflow 0
Overflow 0
χ² / ndf 16.17 / 19
Constant 11.58 ± 0.13
Slope -1.678 ± 0.036
E [GeV]

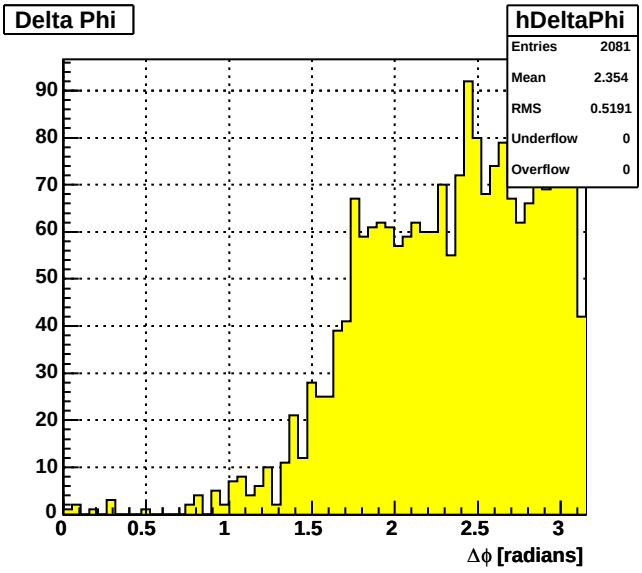

Invariant mass
hInvMass
Entries 2081
Mean 9.048
RMS 1.577
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

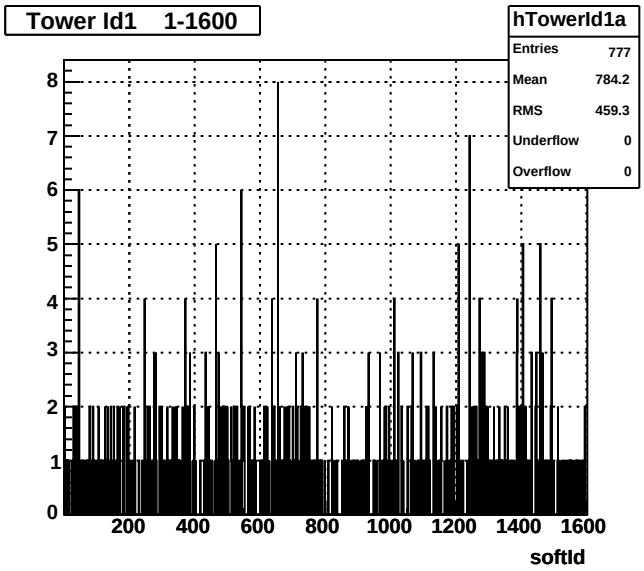

Opening angle
hCosTheta
Entries 2081
Mean -0.5457
RMS 0.2834
Underflow 0
Overflow 0
cos θ

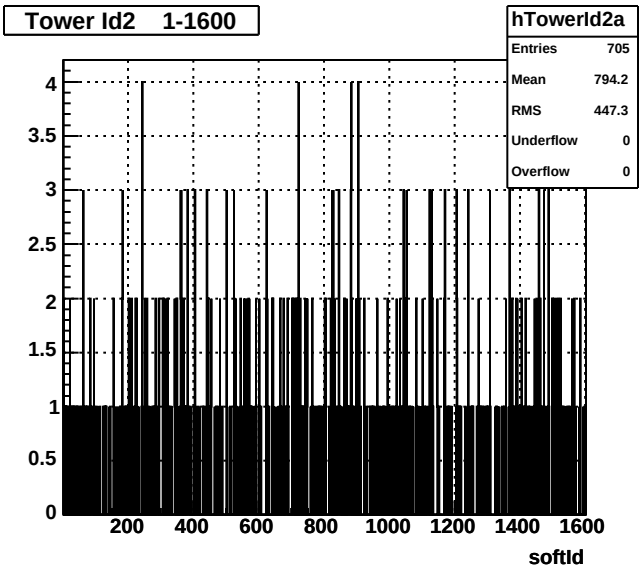

Number of hot towers
number of hot towers
events seen

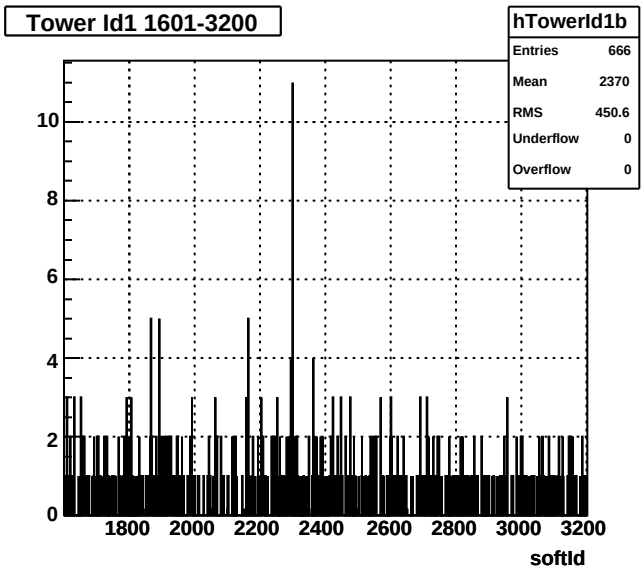

L2 processing time
hTime
Entries 2081
Mean 276.1
RMS 45.19
Underflow 0
Overflow 104
time [μs]

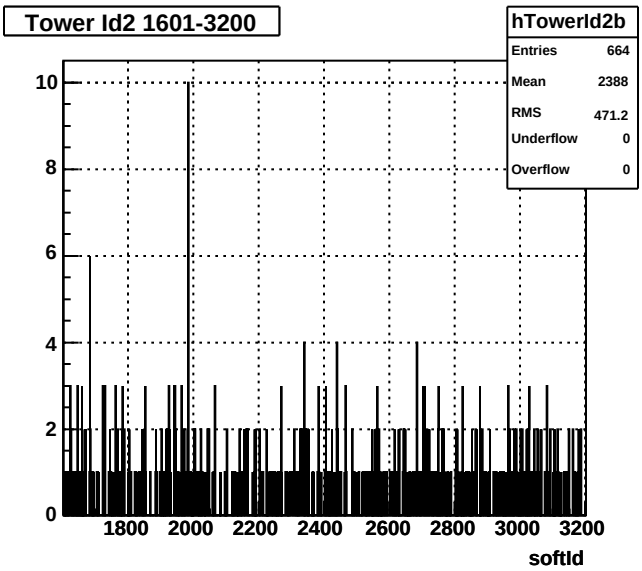

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2081
Mean 1.826
RMS 0.04979
Underflow 0
Overflow 0

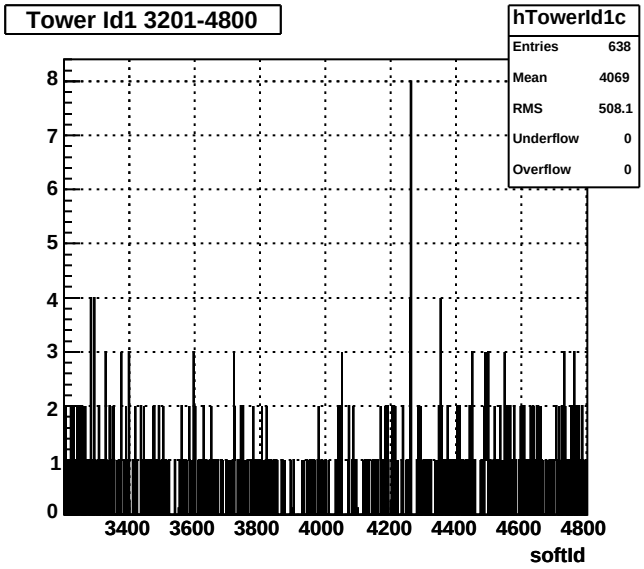

Delta Phi
hDeltaPhi
Entries 2081
Mean 2.354
RMS 0.5191
Underflow 0
Overflow 0
Δφ [radians]

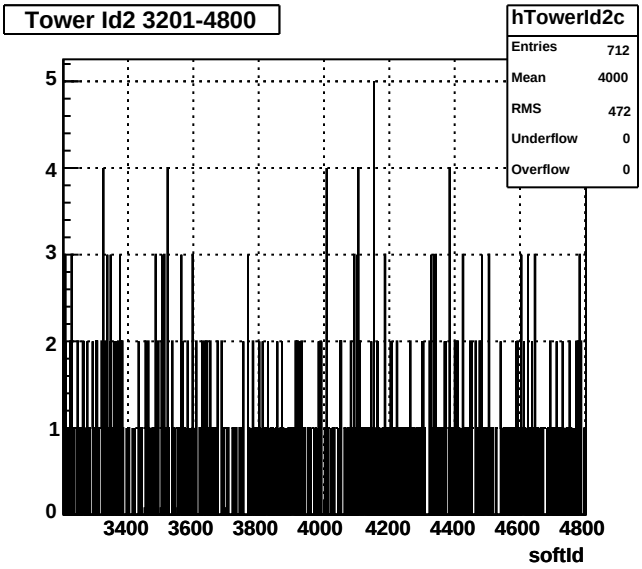

Tower Id1 1-1600
hTowerId1a
Entries 777
Mean 784.2
RMS 459.3
Underflow 0
Overflow 0
softId

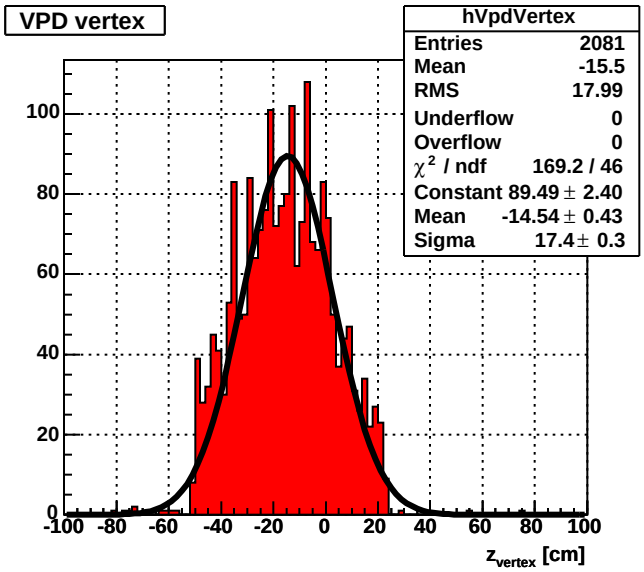

Tower Id2 1-1600
hTowerId2a
Entries 705
Mean 794.2
RMS 447.3
Underflow 0
Overflow 0
softId

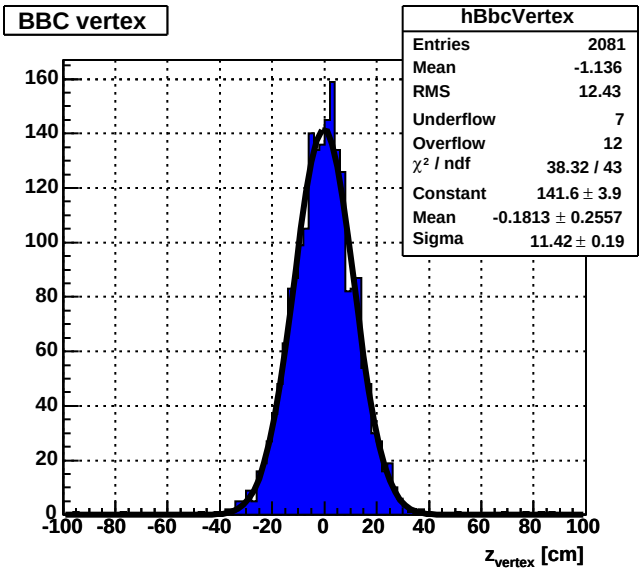

Tower Id1 1601-3200
hTowerId1b
Entries 666
Mean 2370
RMS 450.6
Underflow 0
Overflow 0
softId

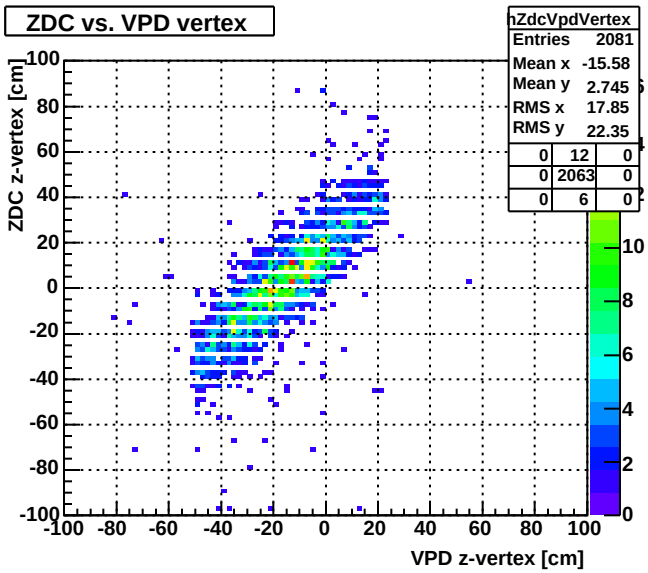

Tower Id2 1601-3200
hTowerId2b
Entries 664
Mean 2388
RMS 471.2
Underflow 0
Overflow 0
softId

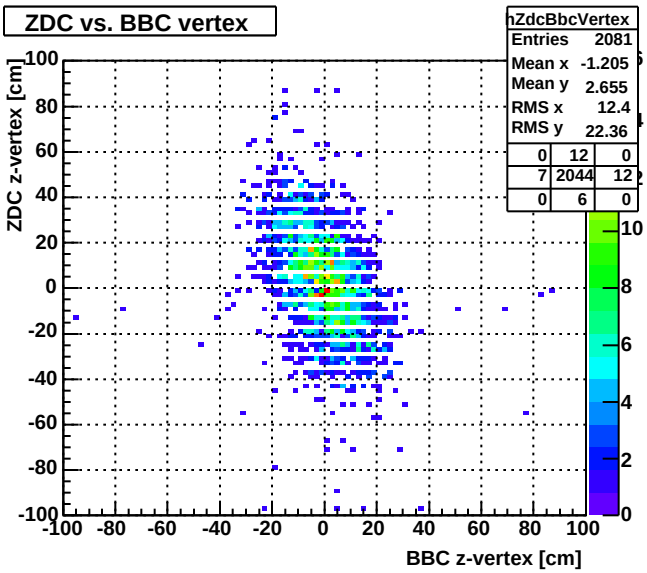

Tower Id1 3201-4800
hTowerId1c
Entries 638
Mean 4069
RMS 508.1
Underflow 0
Overflow 0
softId

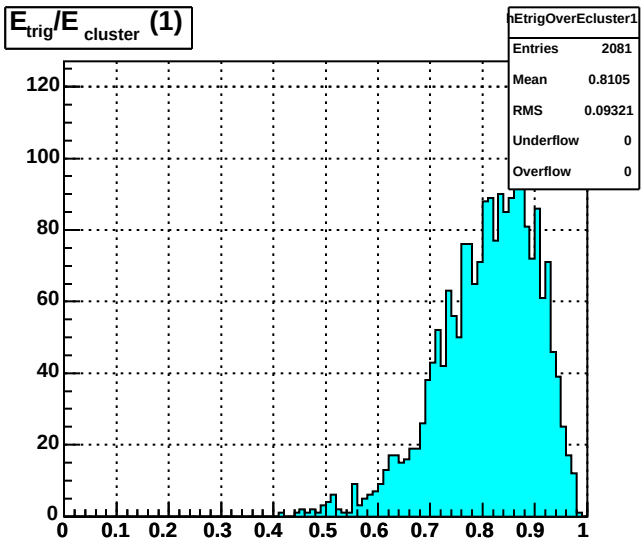

Tower Id2 3201-4800
hTowerId2c
Entries 712
Mean 4000
RMS 472
Underflow 0
Overflow 0
softId

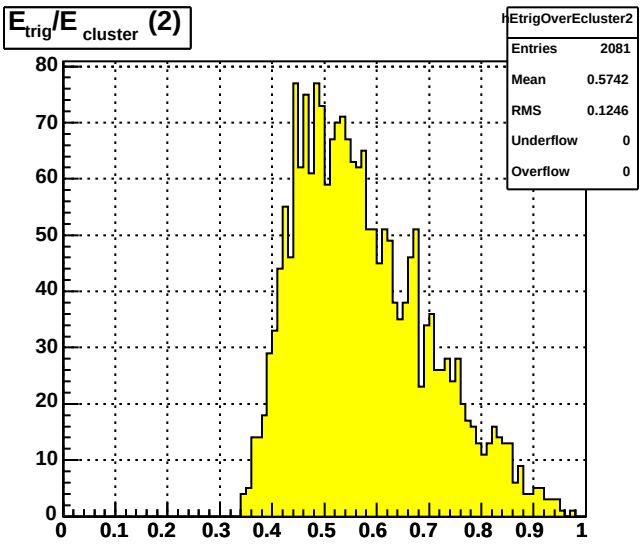

VPD vertex
hVpdVertex
Entries 2081
Mean -15.5
RMS 17.99
Underflow 0
Overflow 0
χ² / ndf 169.2 / 46
Constant 89.49 ± 2.40
Mean -14.54 ± 0.43
Sigma 17.4 ± 0.3
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2081
Mean -1.136
RMS 12.43
Underflow 7
Overflow 12
χ² / ndf 38.32 / 43
Constant 141.6 ± 3.9
Mean -0.1813 ± 0.2557
Sigma 11.42 ± 0.19
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2081
Mean x -15.58
Mean y 2.745
RMS x 17.85
RMS y 22.35
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2081
Mean x -1.205
Mean y 2.655
RMS x 12.4
RMS y 22.36
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2081
Mean 0.8105
RMS 0.09321
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2081
Mean 0.5742
RMS 0.1246
Underflow 0
Overflow 0