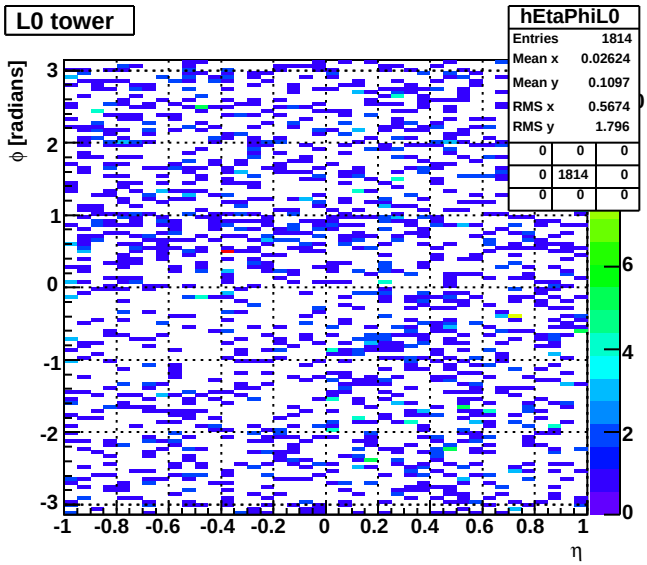
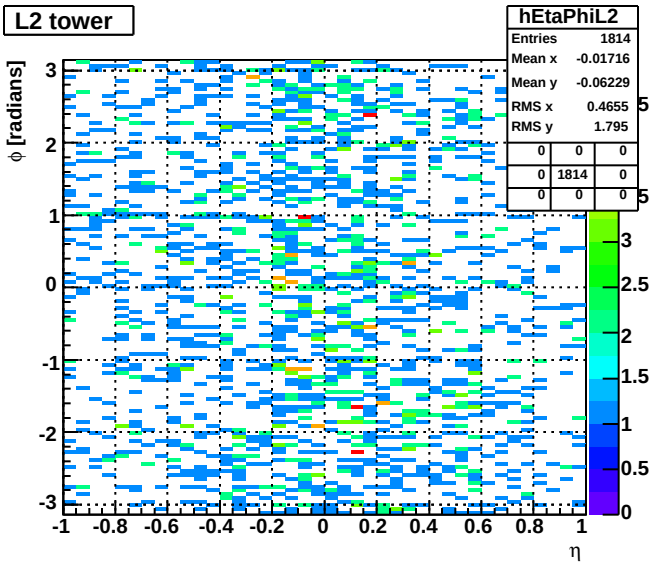
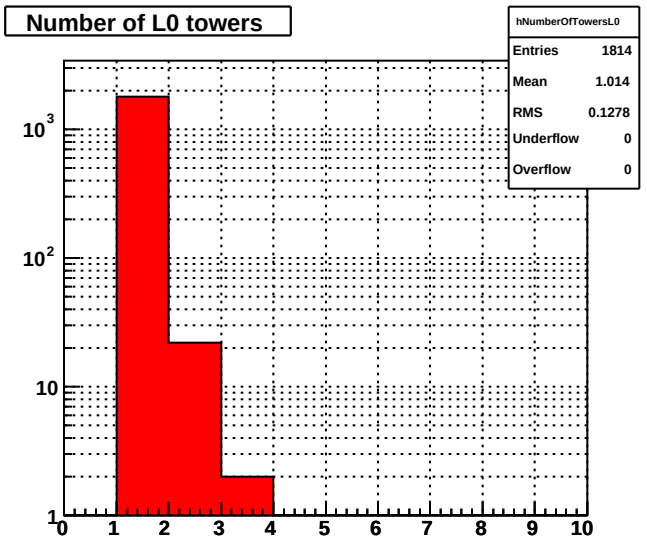
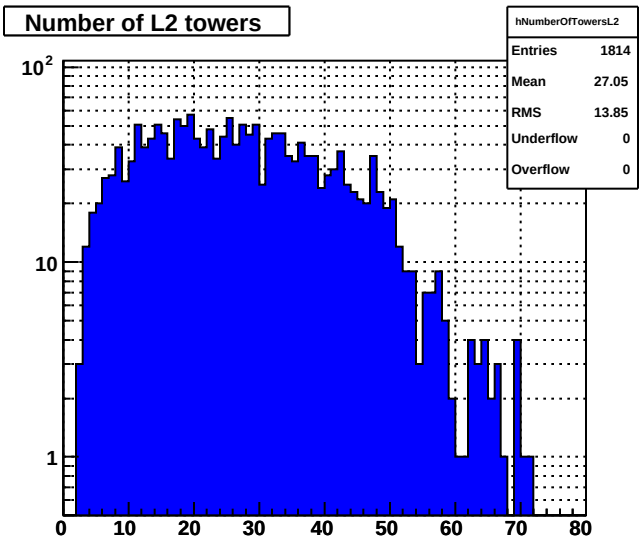
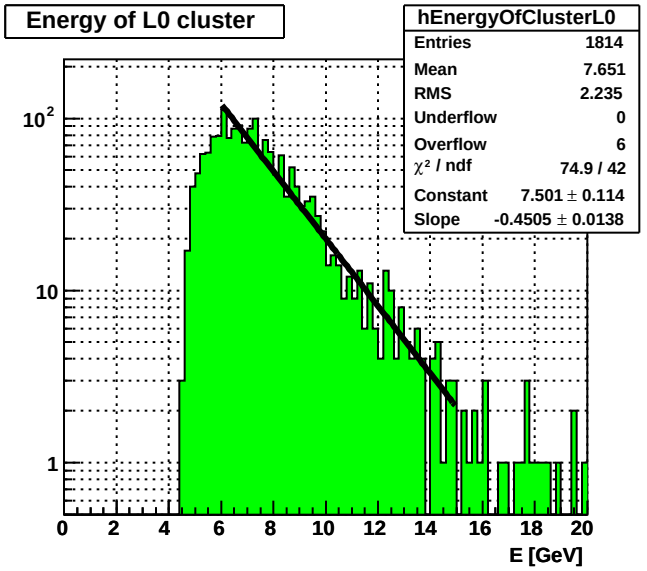
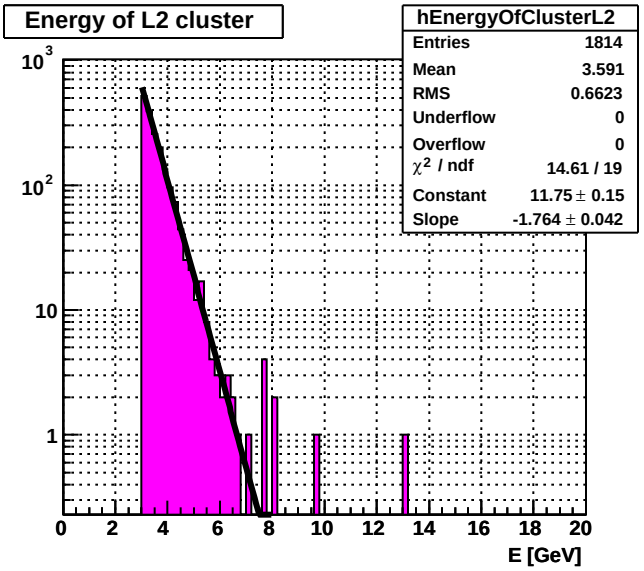

L0 tower
hEtaPhiL0
Entries 1814
Mean x 0.02624
Mean y 0.1097
RMS x 0.5674
RMS y 1.796
φ [radians]
η

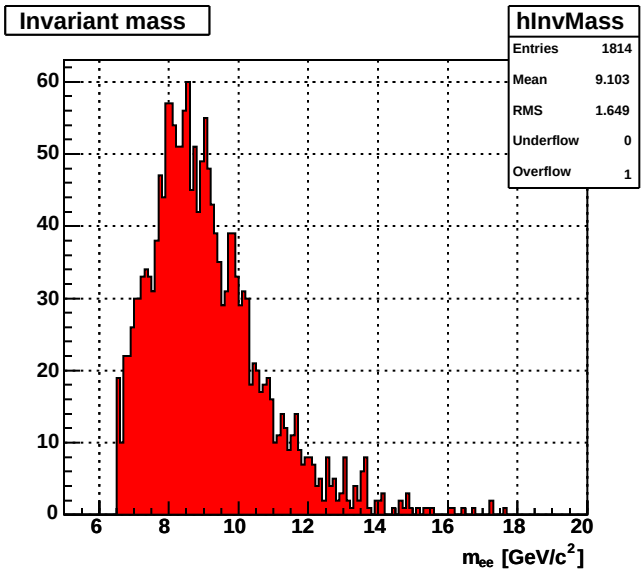

L2 tower
hEtaPhiL2
Entries 1814
Mean x -0.01716
Mean y -0.06229
RMS x 0.4655
RMS y 1.795
φ [radians]
η

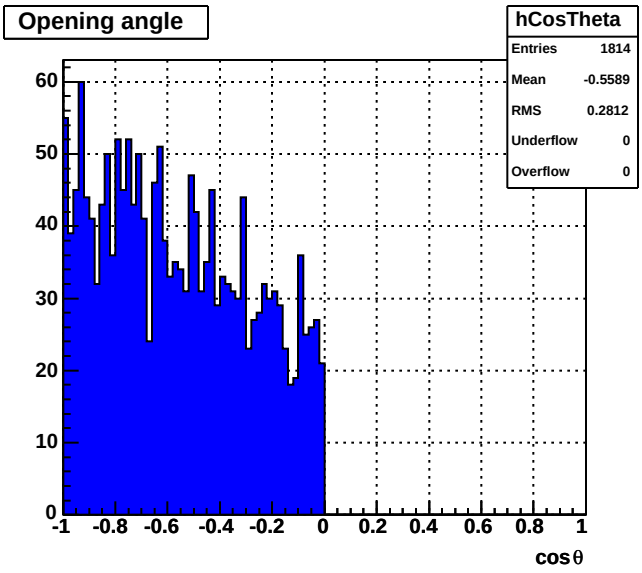

Number of L0 towers
hNumberOfTowersL0
Entries 1814
Mean 1.014
RMS 0.1278
Underflow 0
Overflow 0

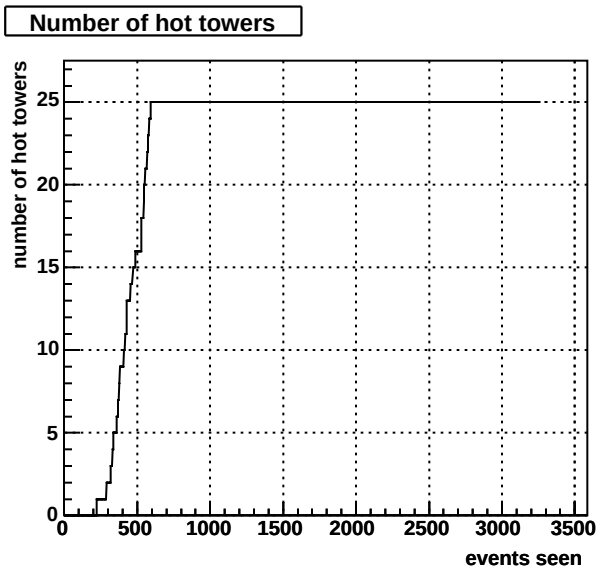

Number of L2 towers
hNumberOfTowersL2
Entries 1814
Mean 27.05
RMS 13.85
Underflow 0
Overflow 0

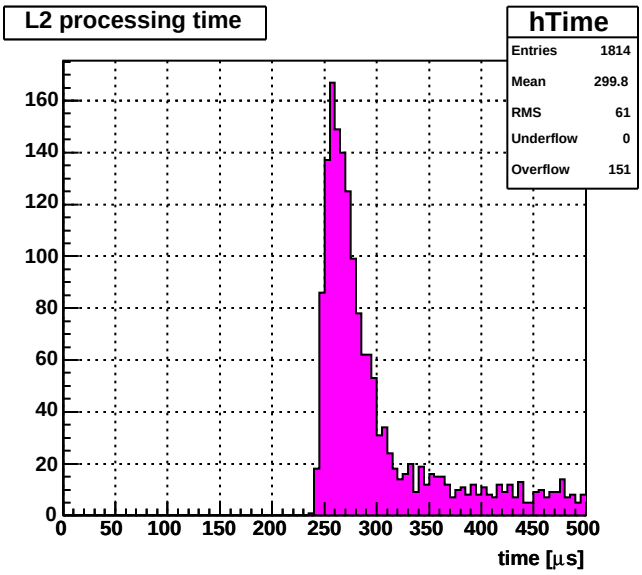

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1814
Mean 7.651
RMS 2.235
Underflow 0
Overflow 6
χ² / ndf 74.9 / 42
Constant 7.501 ± 0.114
Slope -0.4505 ± 0.0138
E [GeV]

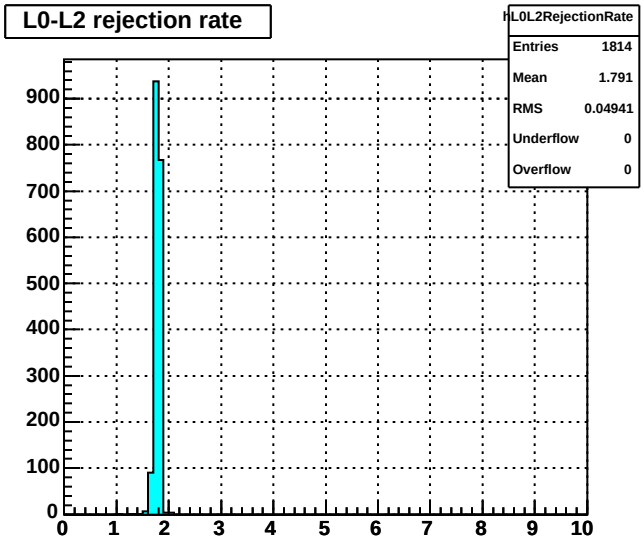

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1814
Mean 3.591
RMS 0.6623
Underflow 0
Overflow 0
χ² / ndf 14.61 / 19
Constant 11.75 ± 0.15
Slope -1.764 ± 0.042
E [GeV]

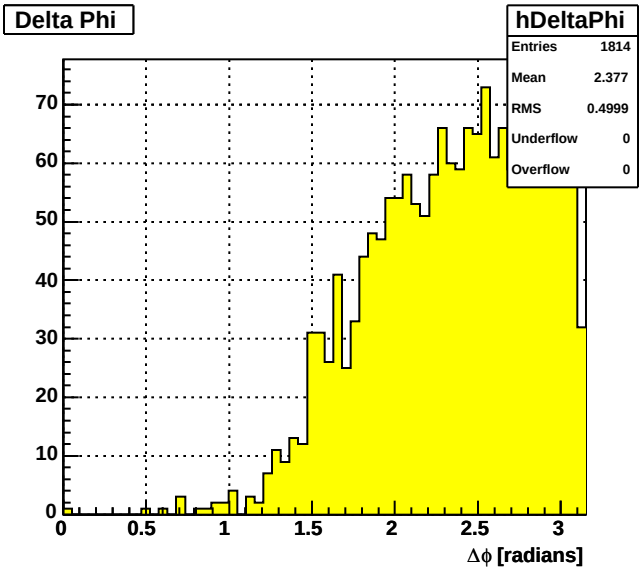

Invariant mass
hInvMass
Entries 1814
Mean 9.103
RMS 1.649
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

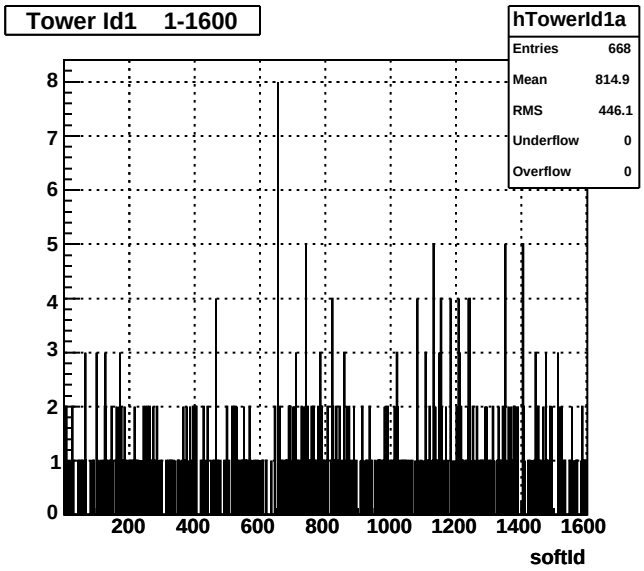

Opening angle
hCosTheta
Entries 1814
Mean -0.5589
RMS 0.2812
Underflow 0
Overflow 0
cos θ

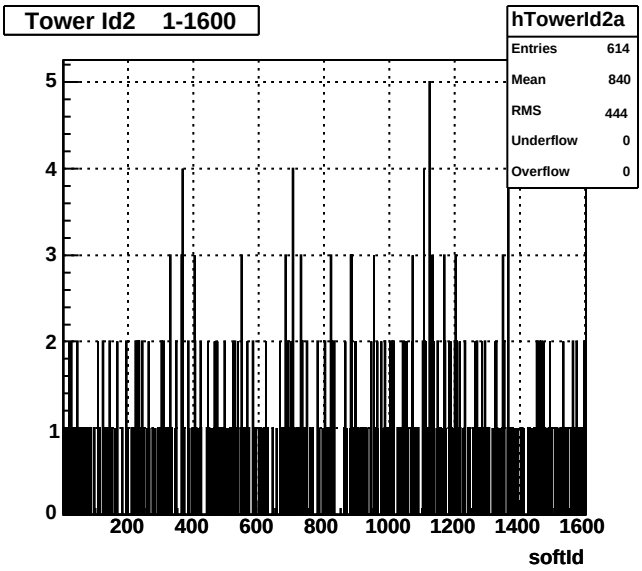

Number of hot towers
number of hot towers
events seen

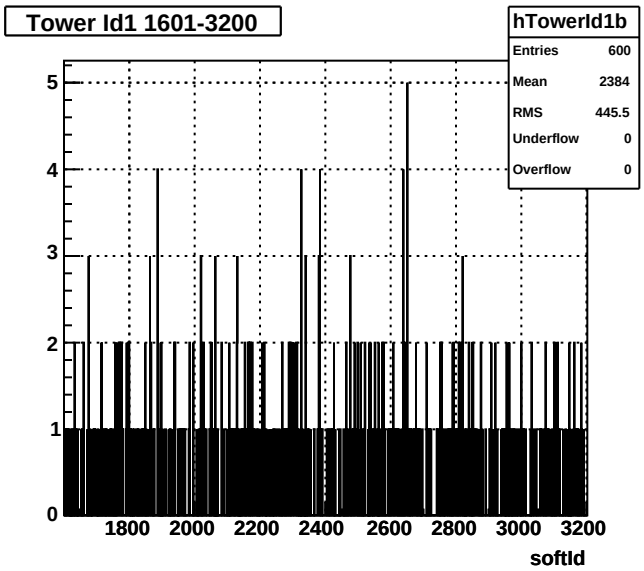

L2 processing time
hTime
Entries 1814
Mean 299.8
RMS 61
Underflow 0
Overflow 151
time [μs]

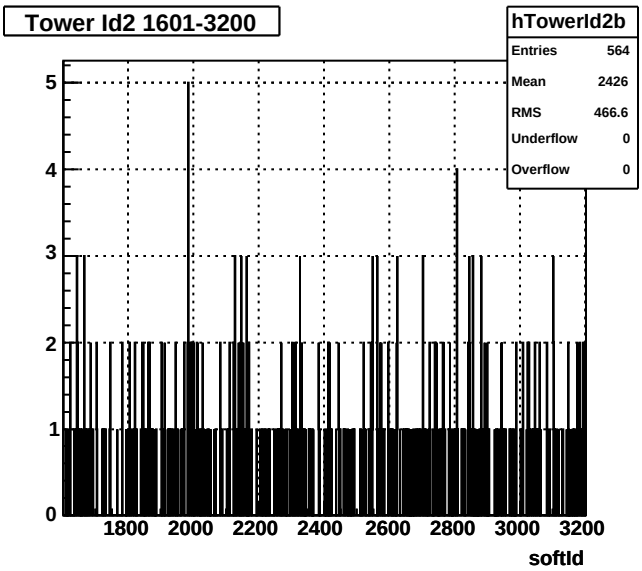

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1814
Mean 1.791
RMS 0.04941
Underflow 0
Overflow 0

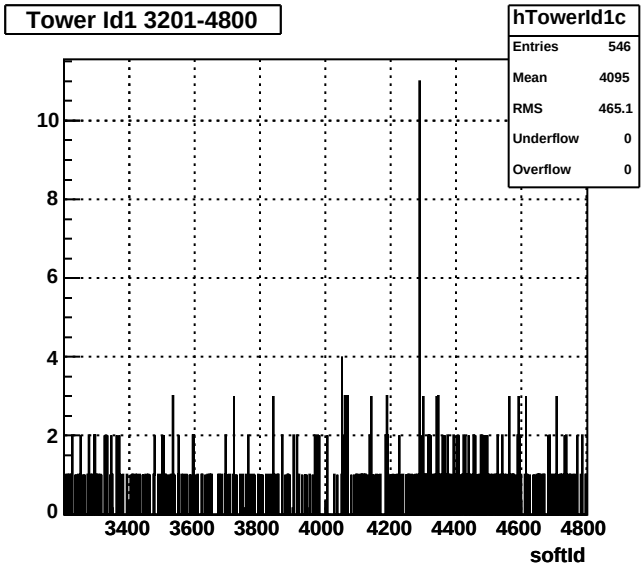

Delta Phi
hDeltaPhi
Entries 1814
Mean 2.377
RMS 0.4999
Underflow 0
Overflow 0
Δφ [radians]

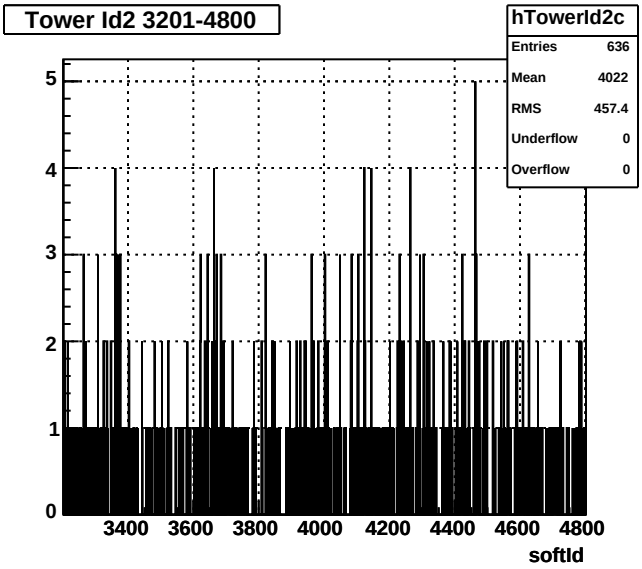

Tower Id1 1-1600
hTowerId1a
Entries 668
Mean 814.9
RMS 446.1
Underflow 0
Overflow 0
softId

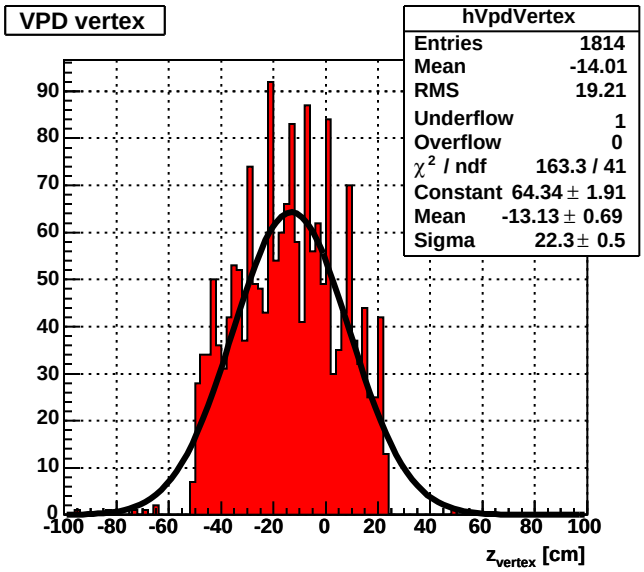

Tower Id2 1-1600
hTowerId2a
Entries 614
Mean 840
RMS 444
Underflow 0
Overflow 0
softId

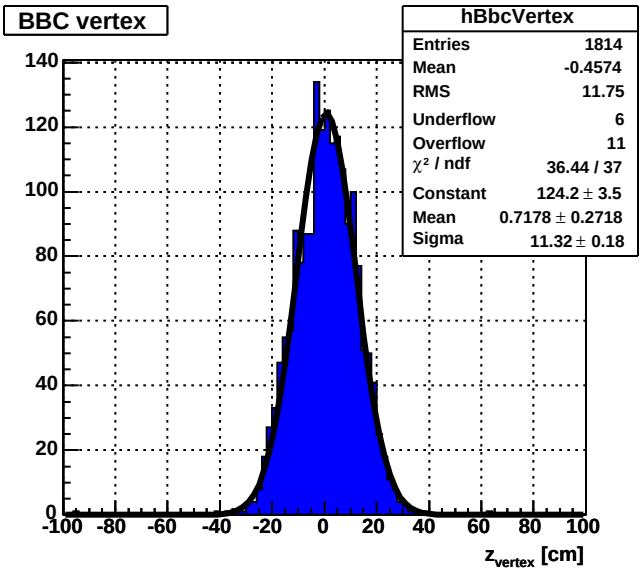

Tower Id1 1601-3200
hTowerId1b
Entries 600
Mean 2384
RMS 445.5
Underflow 0
Overflow 0
softId

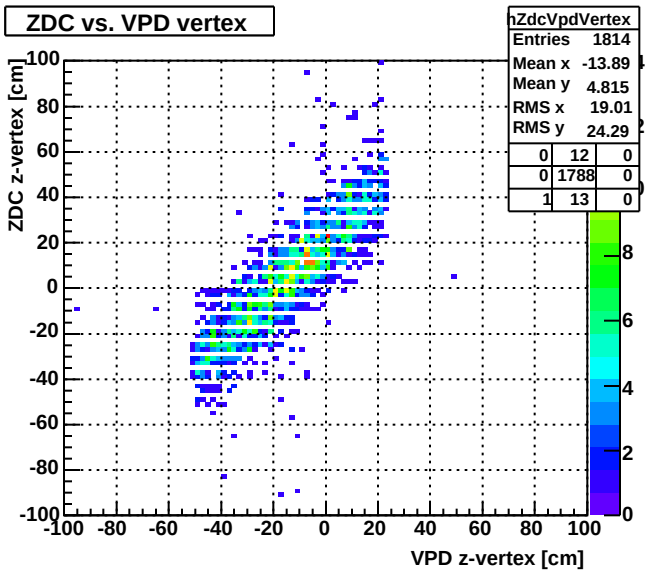

Tower Id2 1601-3200
hTowerId2b
Entries 564
Mean 2426
RMS 466.6
Underflow 0
Overflow 0
softId

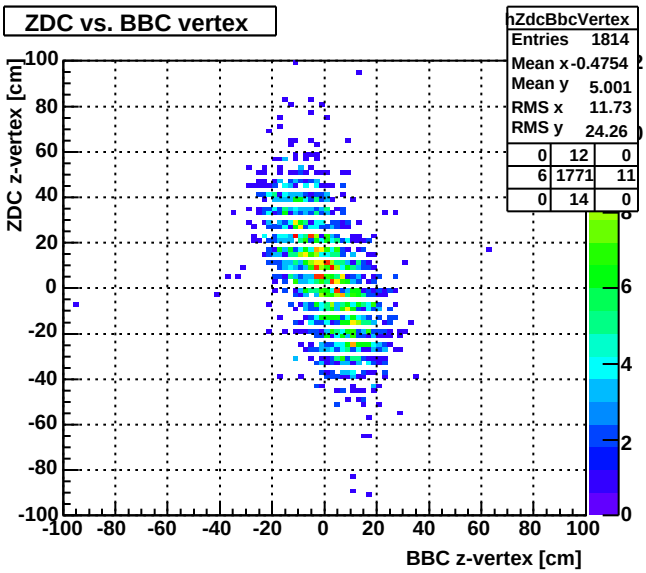

Tower Id1 3201-4800
hTowerId1c
Entries 546
Mean 4095
RMS 465.1
Underflow 0
Overflow 0
softId

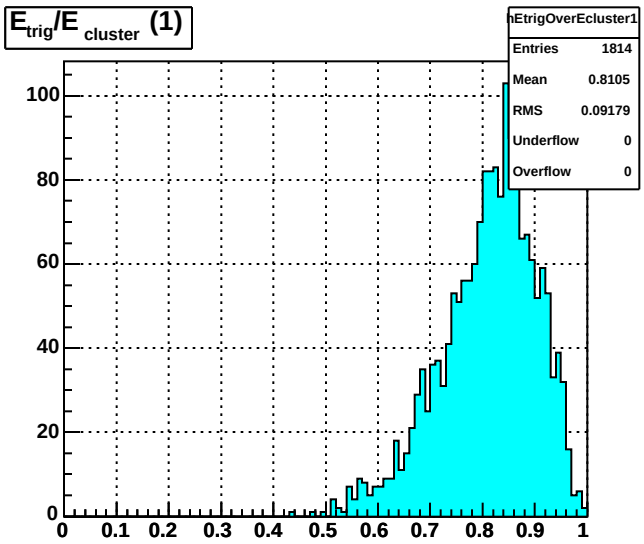

Tower Id2 3201-4800
hTowerId2c
Entries 636
Mean 4022
RMS 457.4
Underflow 0
Overflow 0
softId

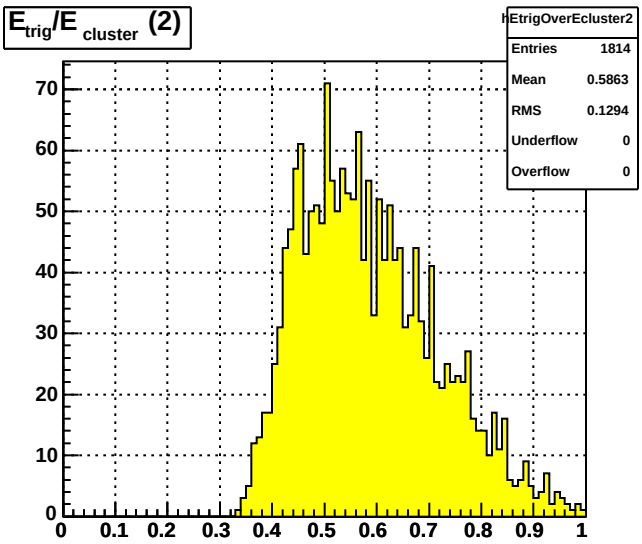

VPD vertex
hVpdVertex
Entries 1814
Mean -14.01
RMS 19.21
Underflow 1
Overflow 0
χ² / ndf 163.3 / 41
Constant 64.34 ± 1.91
Mean -13.13 ± 0.69
Sigma 22.3 ± 0.5
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1814
Mean -0.4574
RMS 11.75
Underflow 6
Overflow 11
χ² / ndf 36.44 / 37
Constant 124.2 ± 3.5
Mean 0.7178 ± 0.2718
Sigma 11.32 ± 0.18
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1814
Mean x -13.89
Mean y 4.815
RMS x 19.01
RMS y 24.29
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1814
Mean x -0.4754
Mean y 5.001
RMS x 11.73
RMS y 24.26
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1814
Mean 0.8105
RMS 0.09179
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1814
Mean 0.5863
RMS 0.1294
Underflow 0
Overflow 0