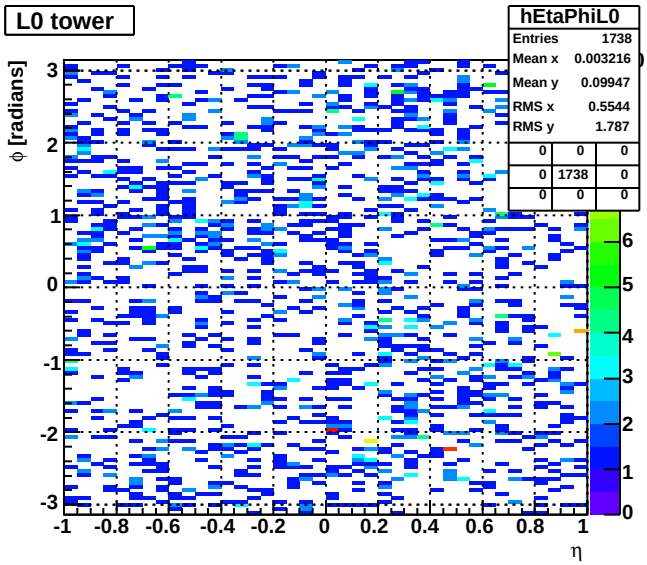
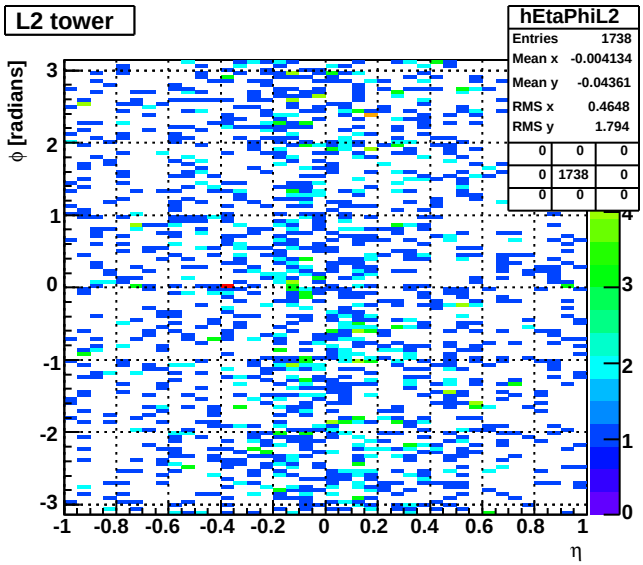
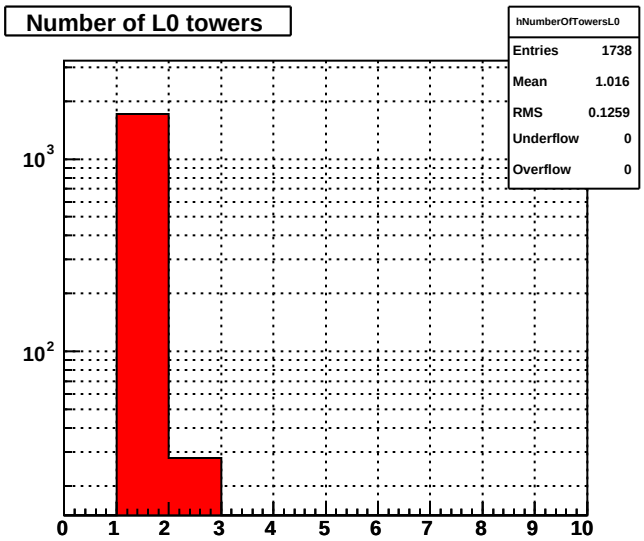
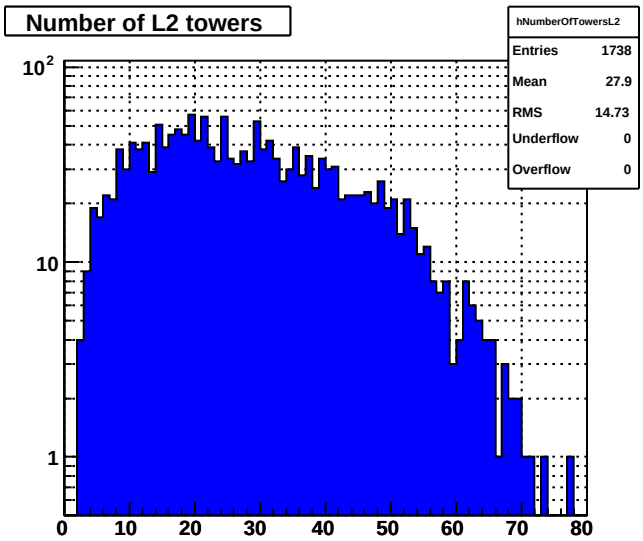
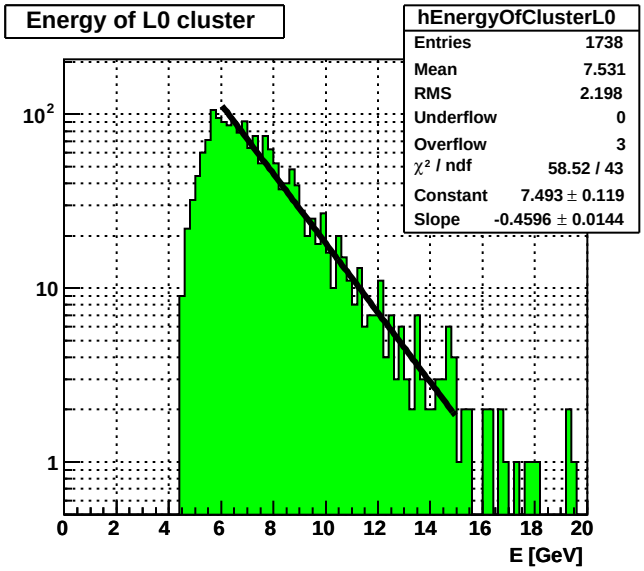
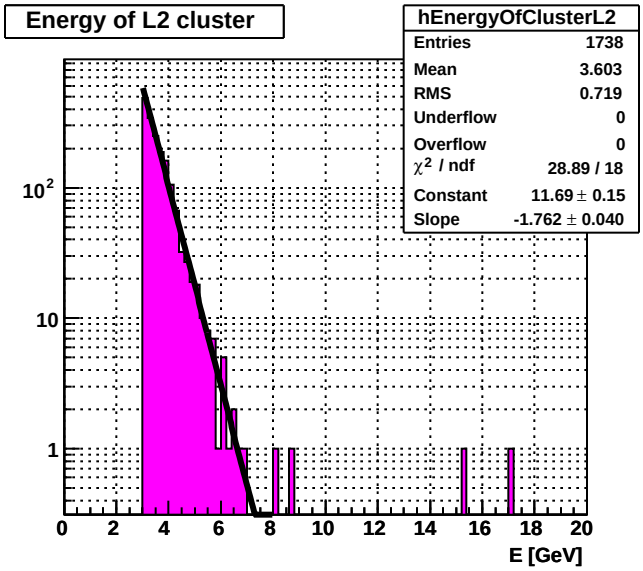

L0 tower
hEtaPhiL0
Entries 1738
Mean x 0.003216
Mean y 0.09947
RMS x 0.5544
RMS y 1.787
φ [radians]
η

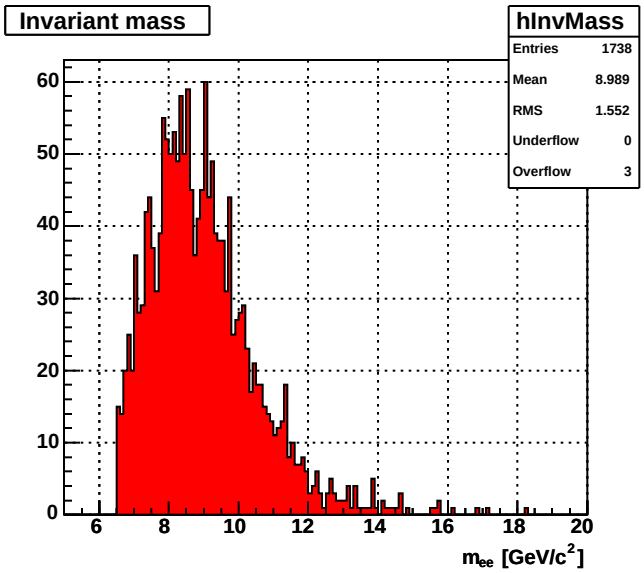

L2 tower
hEtaPhiL2
Entries 1738
Mean x -0.004134
Mean y -0.04361
RMS x 0.4648
RMS y 1.794
φ [radians]
η

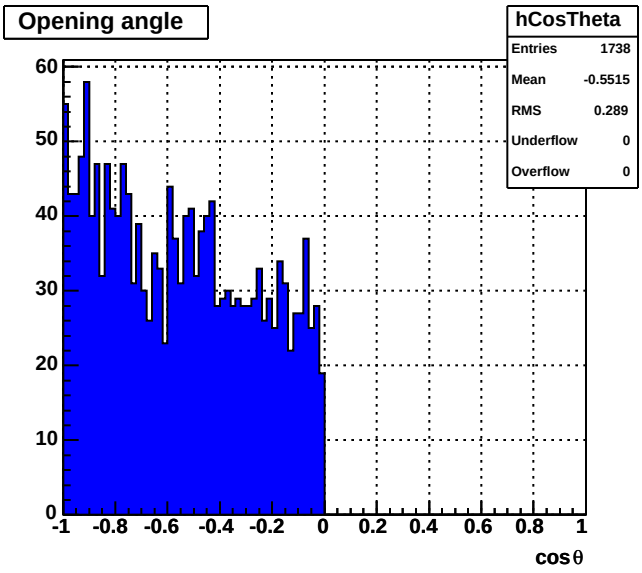

Number of L0 towers
hNumberOfTowersL0
Entries 1738
Mean 1.016
RMS 0.1259
Underflow 0
Overflow 0

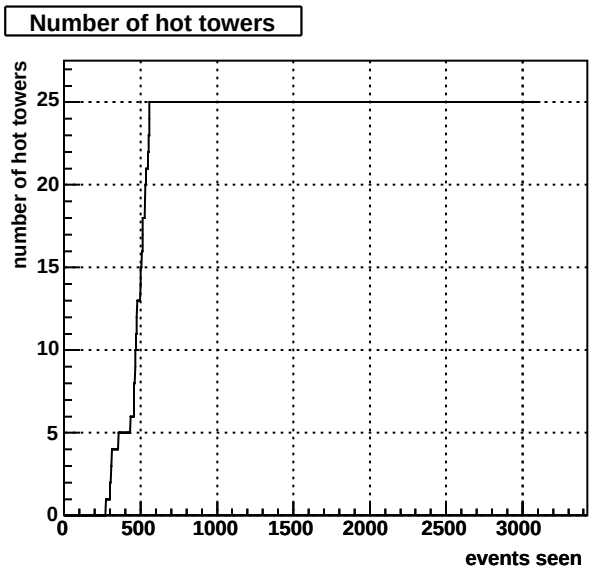

Number of L2 towers
hNumberOfTowersL2
Entries 1738
Mean 27.9
RMS 14.73
Underflow 0
Overflow 0

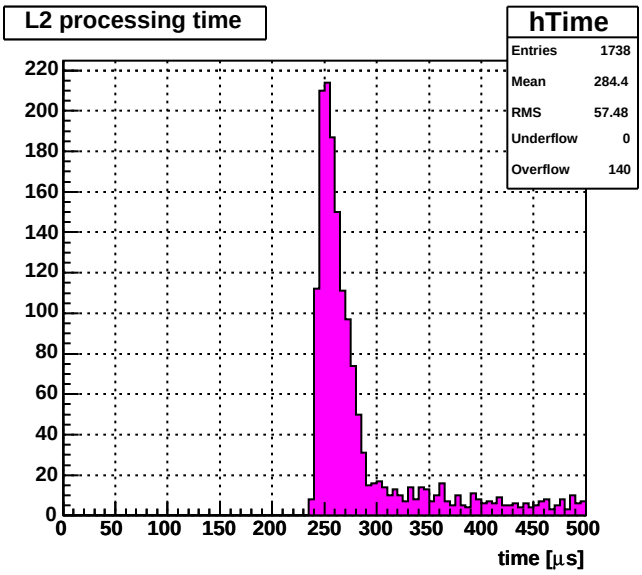

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1738
Mean 7.531
RMS 2.198
Underflow 0
Overflow 3
χ² / ndf 58.52 / 43
Constant 7.493 ± 0.119
Slope -0.4596 ± 0.0144
E [GeV]

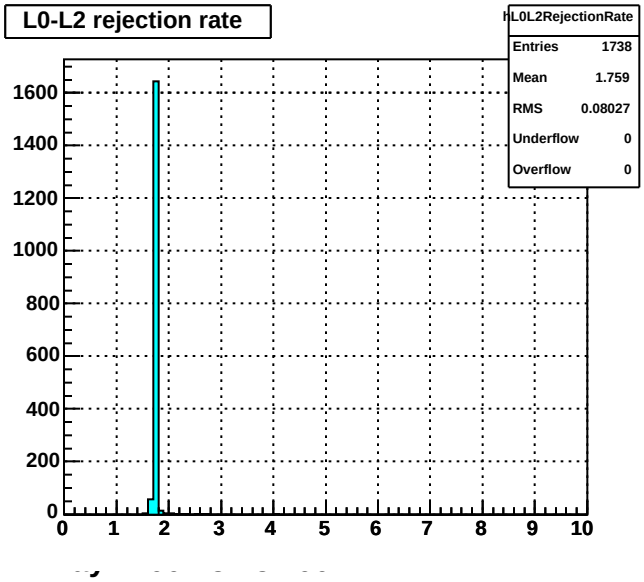

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1738
Mean 3.603
RMS 0.719
Underflow 0
Overflow 0
χ² / ndf 28.89 / 18
Constant 11.69 ± 0.15
Slope -1.762 ± 0.040
E [GeV]

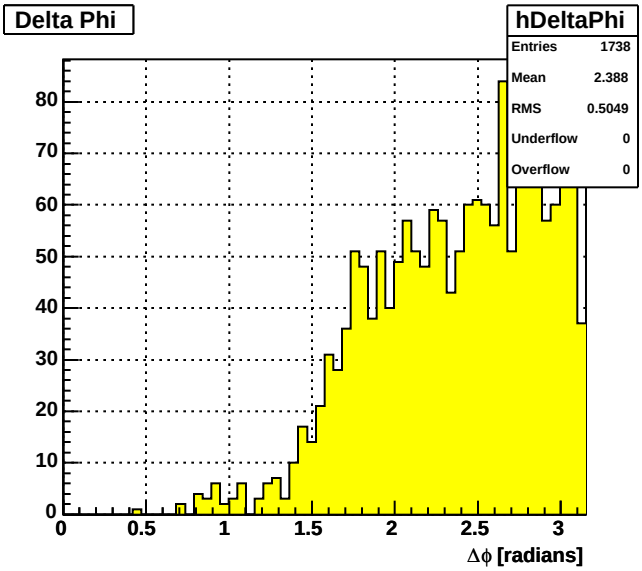

Invariant mass
hInvMass
Entries 1738
Mean 8.989
RMS 1.552
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

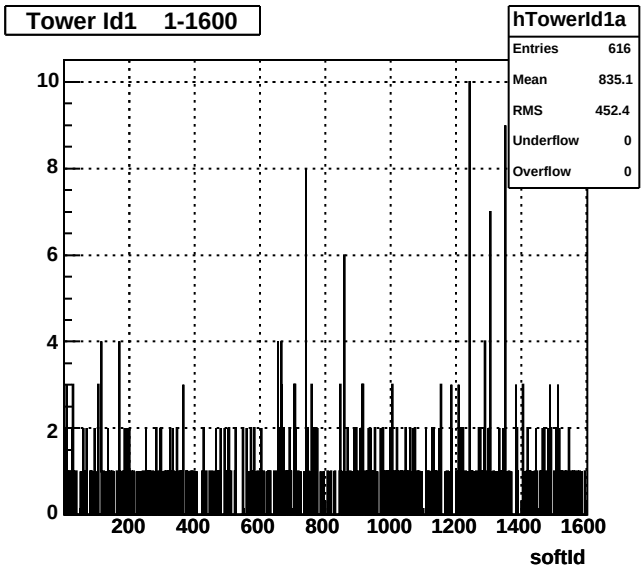

Opening angle
hCosTheta
Entries 1738
Mean -0.5515
RMS 0.289
Underflow 0
Overflow 0
cos θ

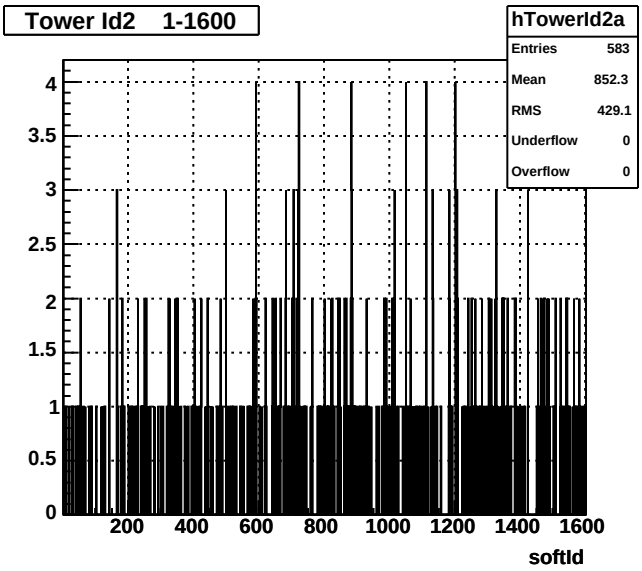

Number of hot towers
number of hot towers
events seen

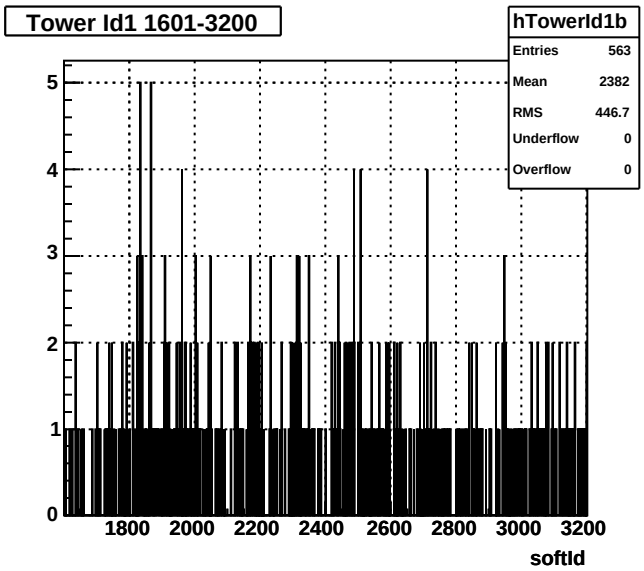

L2 processing time
hTime
Entries 1738
Mean 284.4
RMS 57.48
Underflow 0
Overflow 140
time [μs]

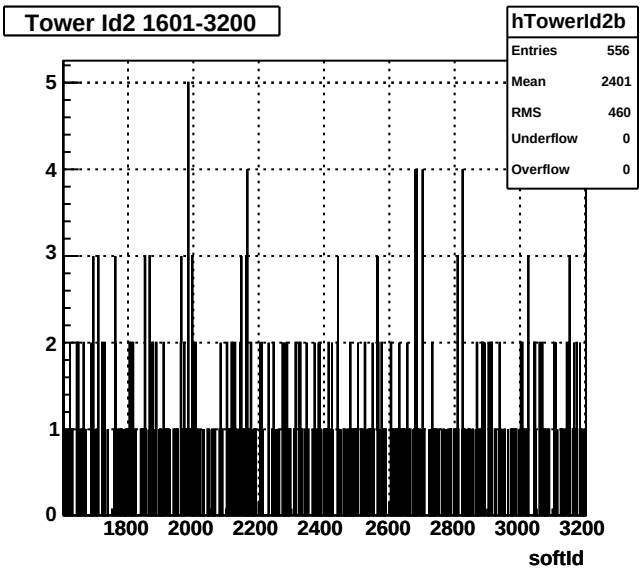

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1738
Mean 1.759
RMS 0.08027
Underflow 0
Overflow 0

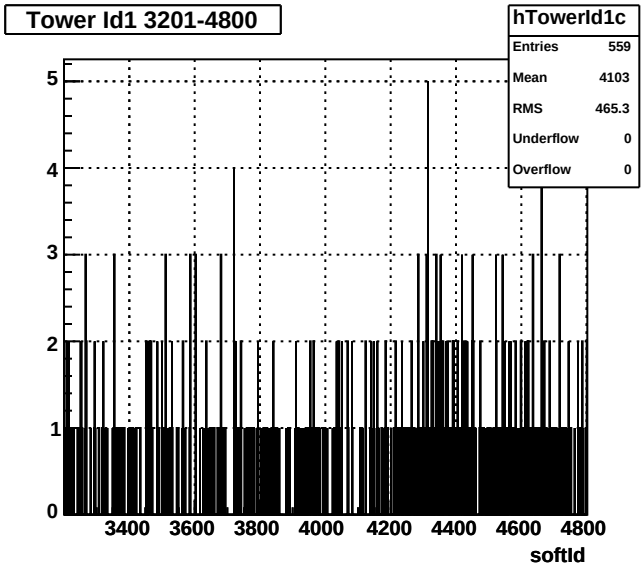

Delta Phi
hDeltaPhi
Entries 1738
Mean 2.388
RMS 0.5049
Underflow 0
Overflow 0
Δφ [radians]

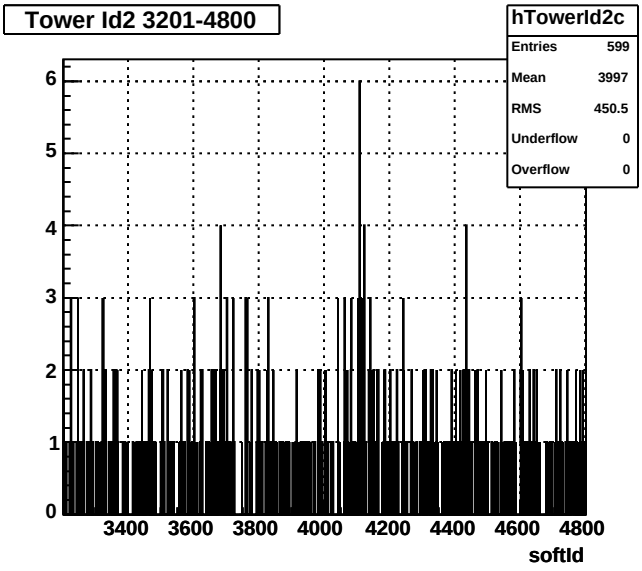

Tower Id1 1-1600
hTowerId1a
Entries 616
Mean 835.1
RMS 452.4
Underflow 0
Overflow 0
softId

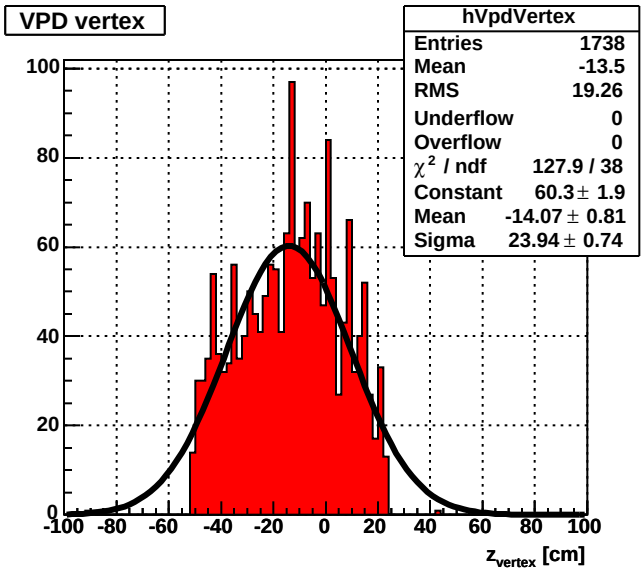

Tower Id2 1-1600
hTowerId2a
Entries 583
Mean 852.3
RMS 429.1
Underflow 0
Overflow 0
softId

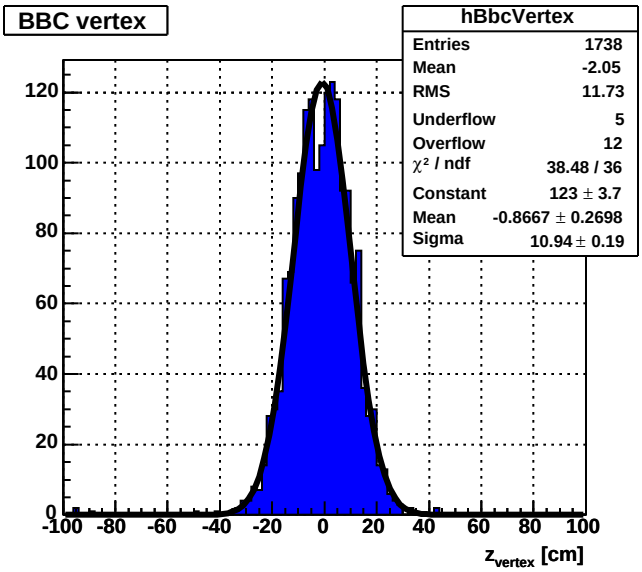

Tower Id1 1601-3200
hTowerId1b
Entries 563
Mean 2382
RMS 446.7
Underflow 0
Overflow 0
softId

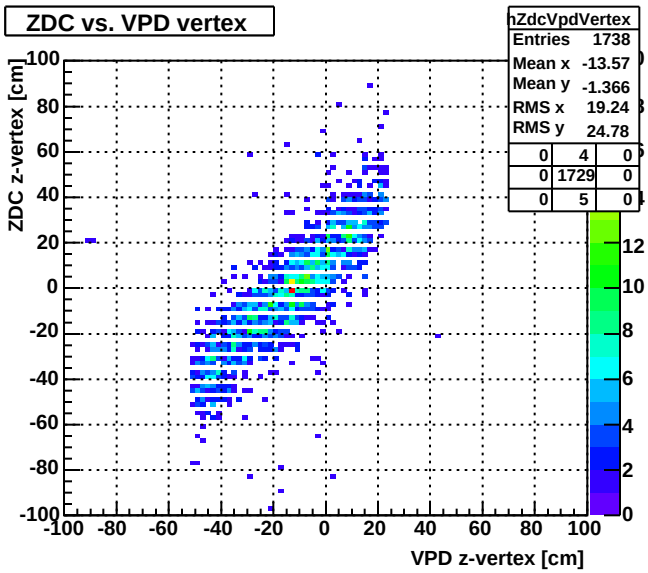

Tower Id2 1601-3200
hTowerId2b
Entries 556
Mean 2401
RMS 460
Underflow 0
Overflow 0
softId

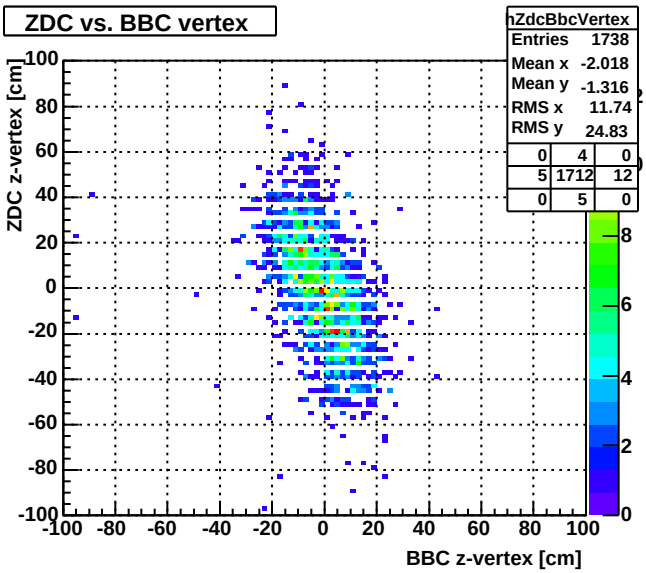

Tower Id1 3201-4800
hTowerId1c
Entries 559
Mean 4103
RMS 465.3
Underflow 0
Overflow 0
softId

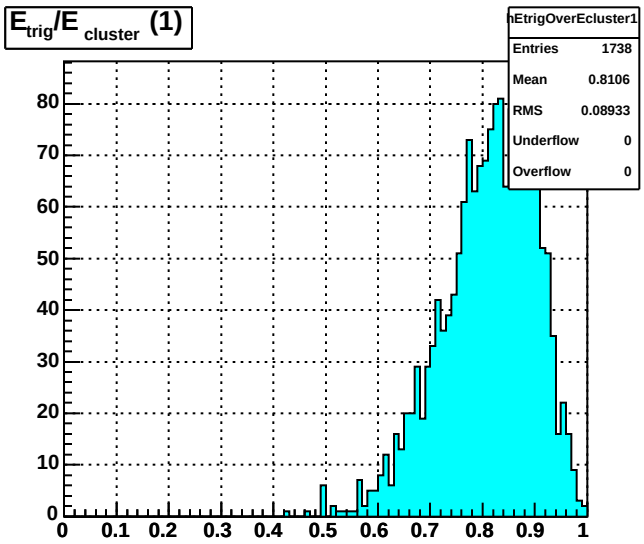

Tower Id2 3201-4800
hTowerId2c
Entries 599
Mean 3997
RMS 450.5
Underflow 0
Overflow 0
softId

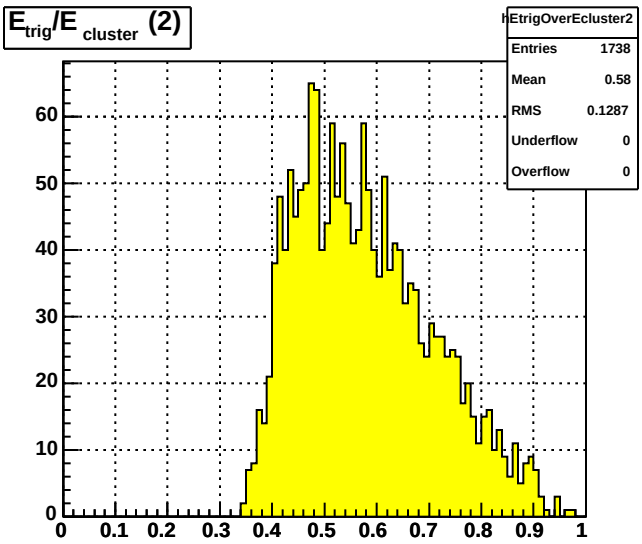

VPD vertex
hVpdVertex
Entries 1738
Mean -13.5
RMS 19.26
Underflow 0
Overflow 0
χ² / ndf 127.9 / 38
Constant 60.3 ± 1.9
Mean -14.07 ± 0.81
Sigma 23.94 ± 0.74
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1738
Mean -2.05
RMS 11.73
Underflow 5
Overflow 12
χ² / ndf 38.48 / 36
Constant 123 ± 3.7
Mean -0.8667 ± 0.2698
Sigma 10.94 ± 0.19
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1738
Mean x -13.57
Mean y -1.366
RMS x 19.24
RMS y 24.78
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1738
Mean x -2.018
Mean y -1.316
RMS x 11.74
RMS y 24.83
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1738
Mean 0.8106
RMS 0.08933
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1738
Mean 0.58
RMS 0.1287
Underflow 0
Overflow 0