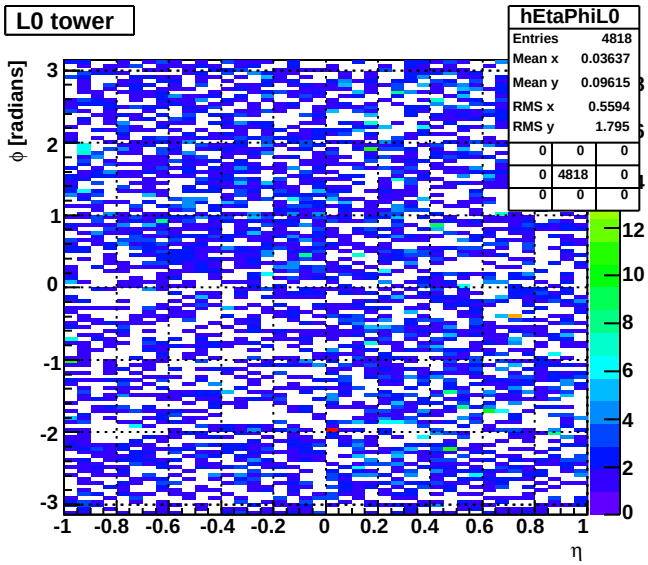
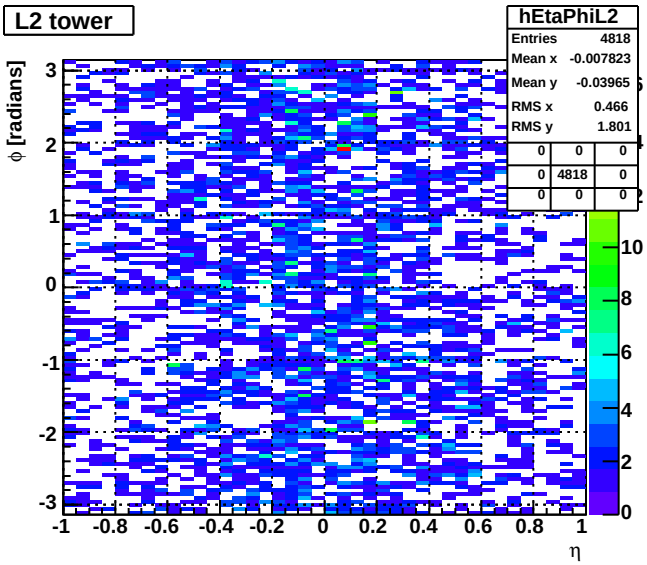
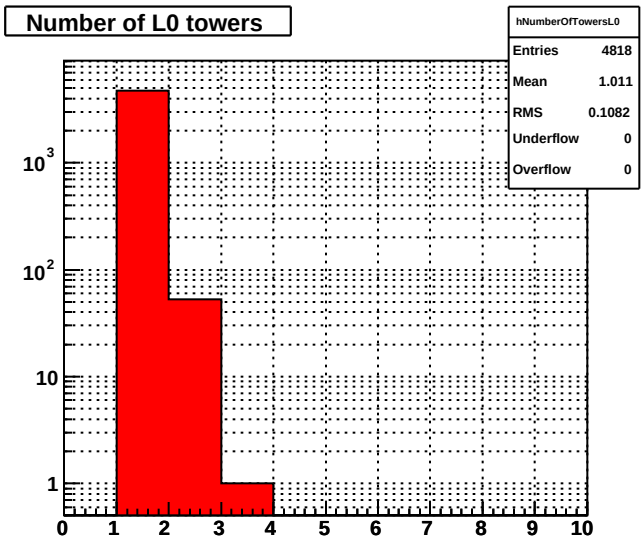
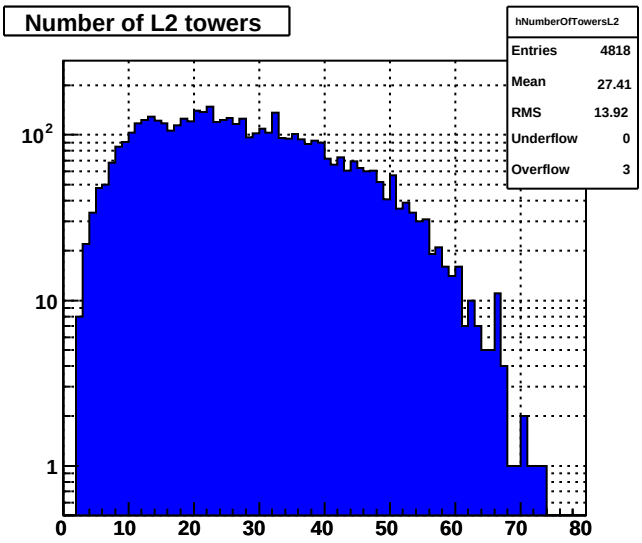
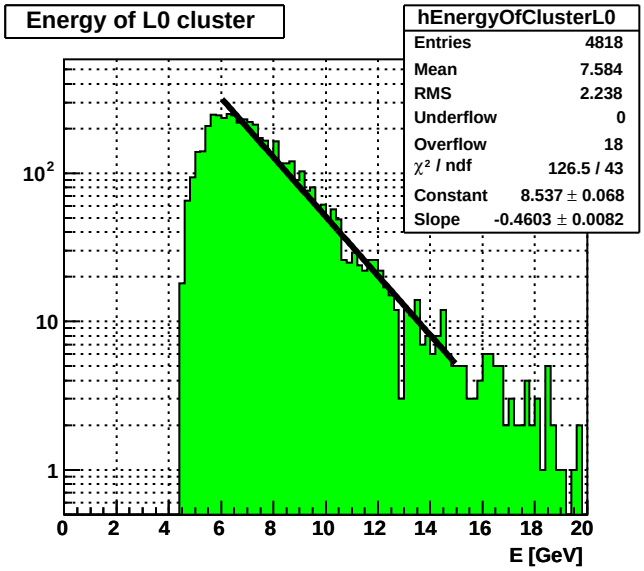
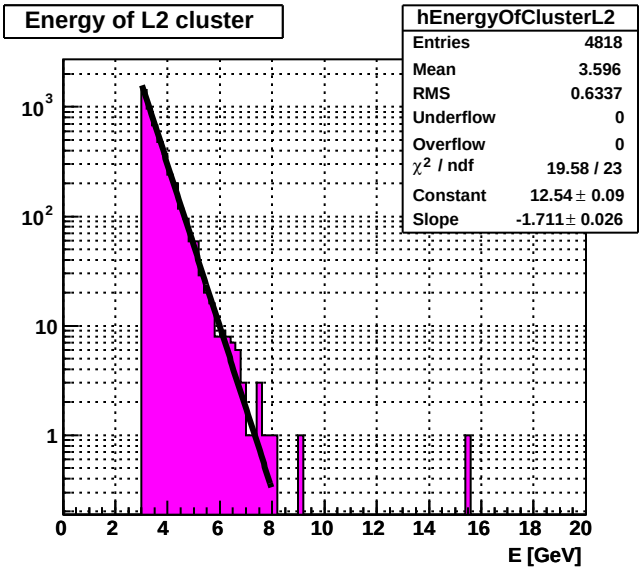

L0 tower
hEtaPhiL0
Entries 4818
Mean x 0.03637
Mean y 0.09615
RMS x 0.5594
RMS y 1.795
φ [radians]
η

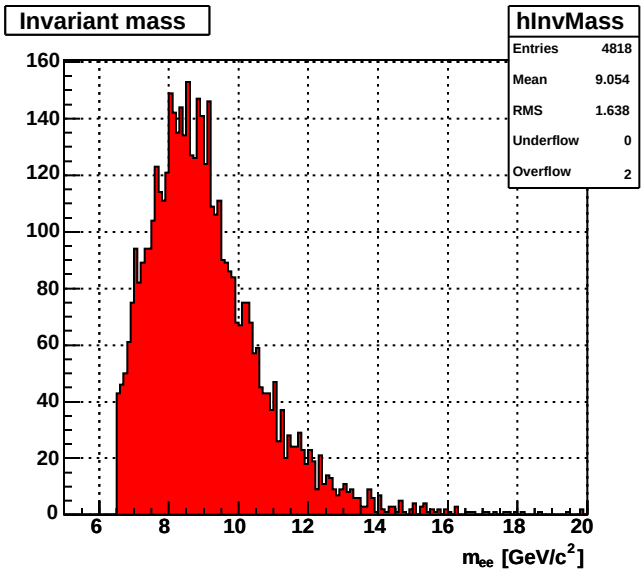

L2 tower
hEtaPhiL2
Entries 4818
Mean x -0.007823
Mean y -0.03965
RMS x 0.466
RMS y 1.801
φ [radians]
η

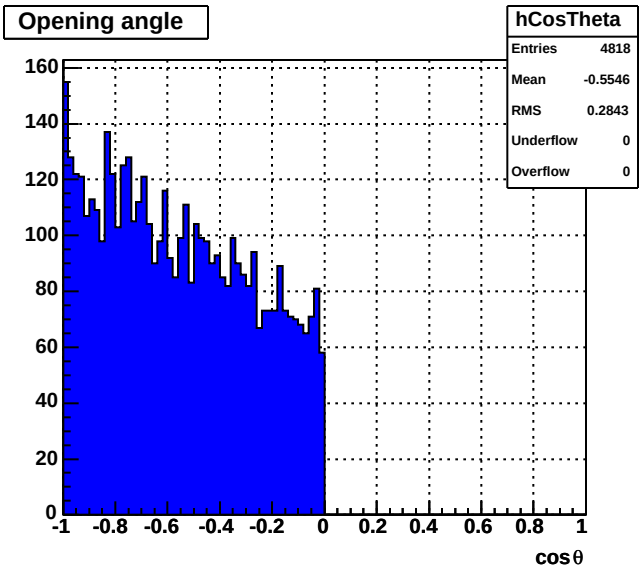

Number of L0 towers
hNumberOfTowersL0
Entries 4818
Mean 1.011
RMS 0.1082
Underflow 0
Overflow 0

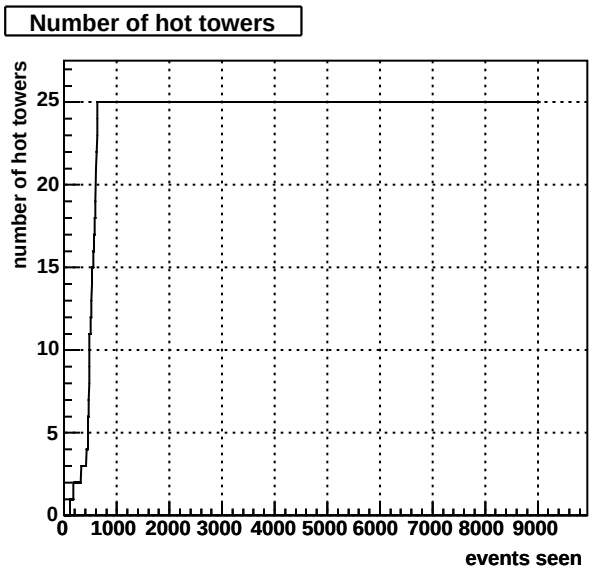

Number of L2 towers
hNumberOfTowersL2
Entries 4818
Mean 27.41
RMS 13.92
Underflow 0
Overflow 3

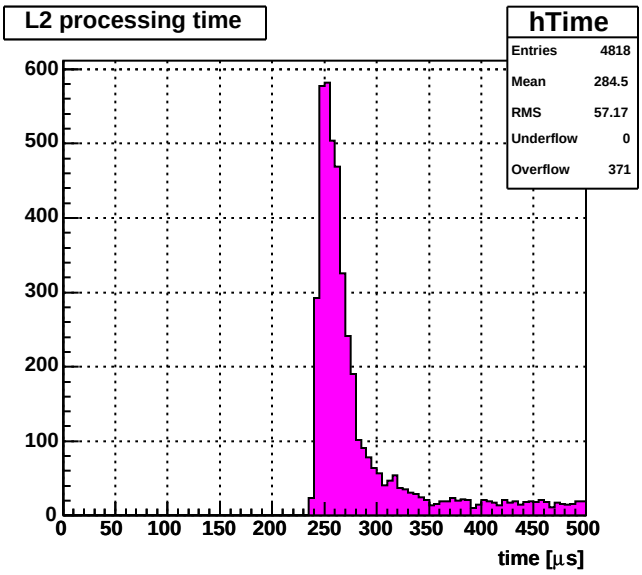

Energy of L0 cluster
hEnergyOfClusterL0
Entries 4818
Mean 7.584
RMS 2.238
Underflow 0
Overflow 18
χ² / ndf 126.5 / 43
Constant 8.537 ± 0.068
Slope -0.4603 ± 0.0082
E [GeV]

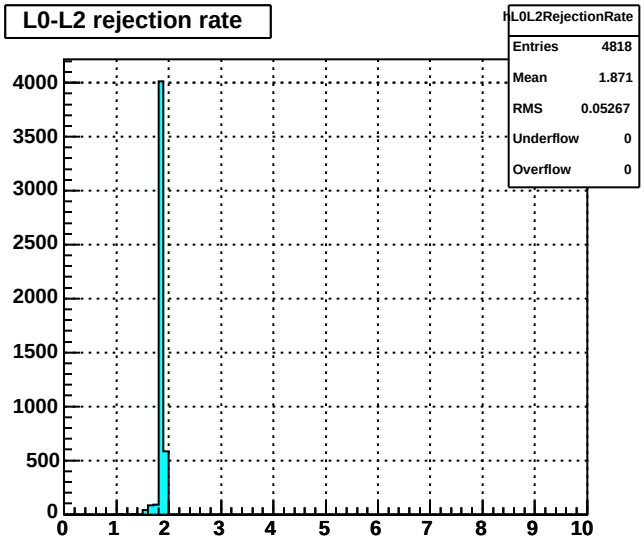

Energy of L2 cluster
hEnergyOfClusterL2
Entries 4818
Mean 3.596
RMS 0.6337
Underflow 0
Overflow 0
χ² / ndf 19.58 / 23
Constant 12.54 ± 0.09
Slope -1.711 ± 0.026
E [GeV]

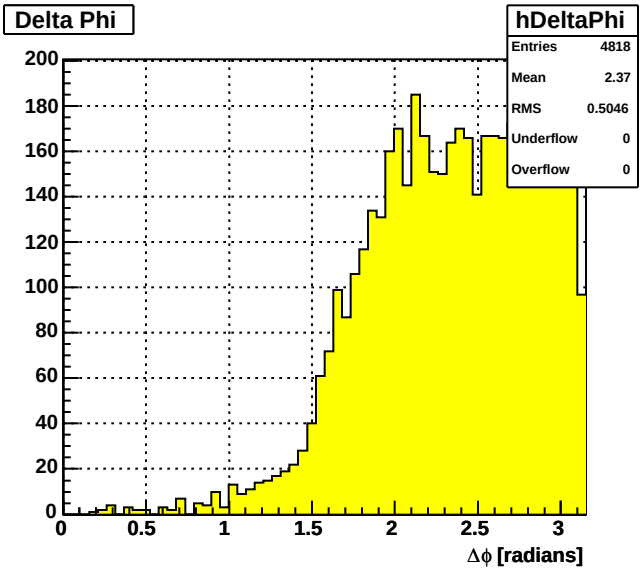

Invariant mass
hInvMass
Entries 4818
Mean 9.054
RMS 1.638
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

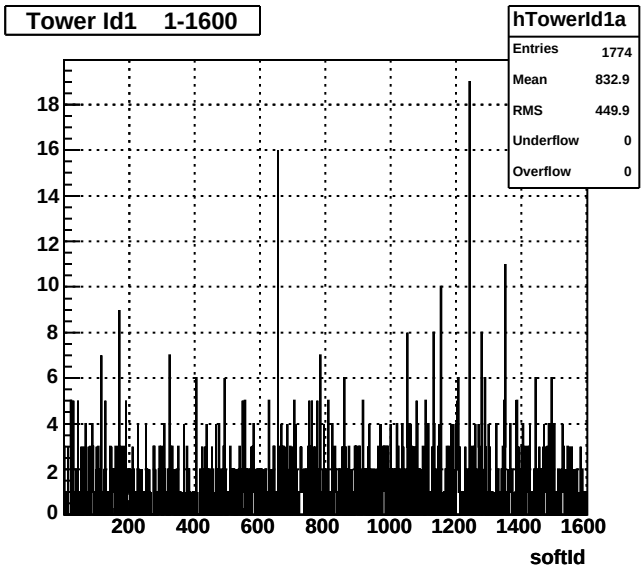

Opening angle
hCosTheta
Entries 4818
Mean -0.5546
RMS 0.2843
Underflow 0
Overflow 0
cos θ

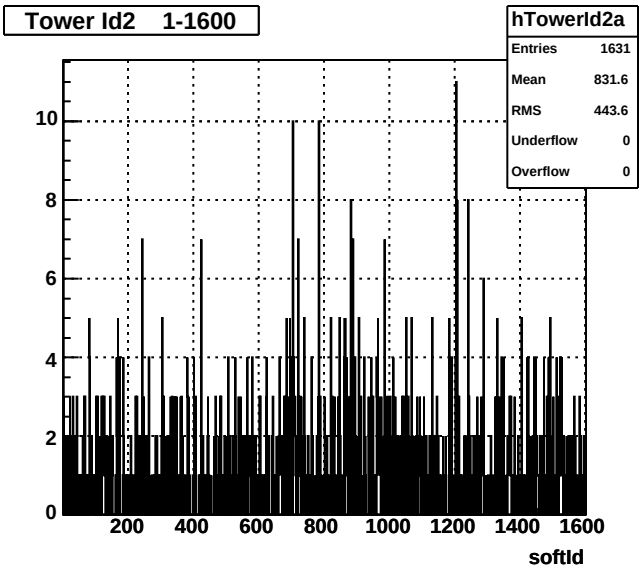

Number of hot towers
number of hot towers
events seen

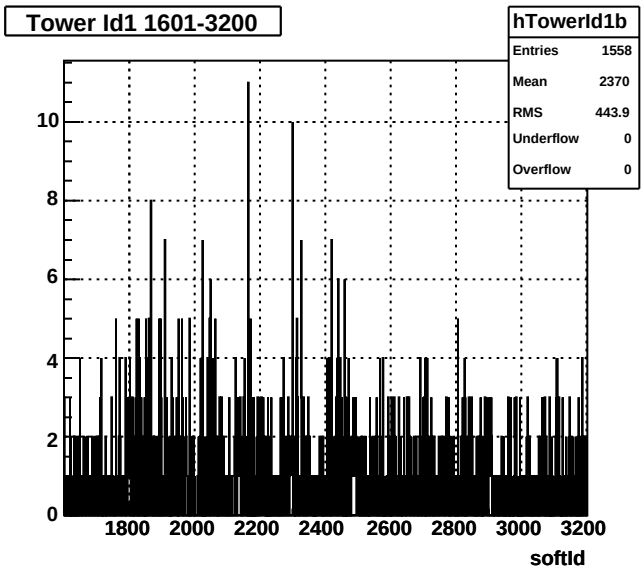

L2 processing time
hTime
Entries 4818
Mean 284.5
RMS 57.17
Underflow 0
Overflow 371
time [μs]

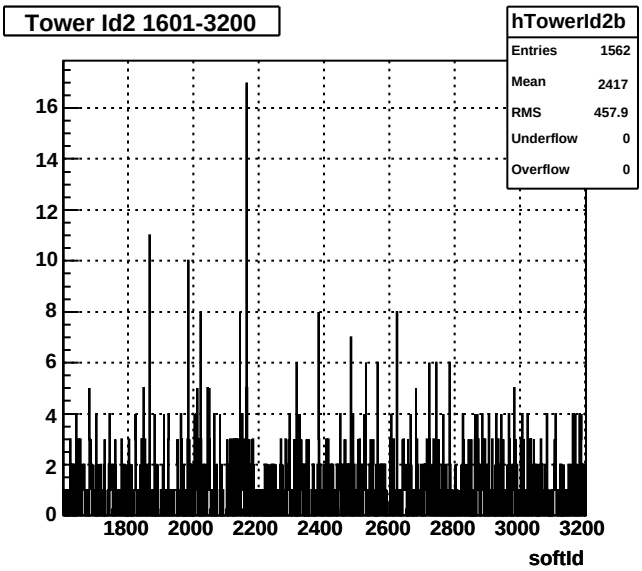

L0-L2 rejection rate
hL0L2RejectionRate
Entries 4818
Mean 1.871
RMS 0.05267
Underflow 0
Overflow 0

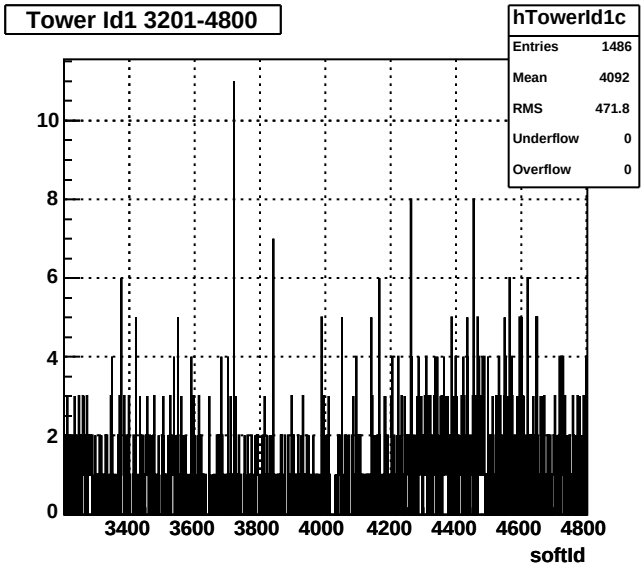

Delta Phi
hDeltaPhi
Entries 4818
Mean 2.37
RMS 0.5046
Underflow 0
Overflow 0
Δφ [radians]

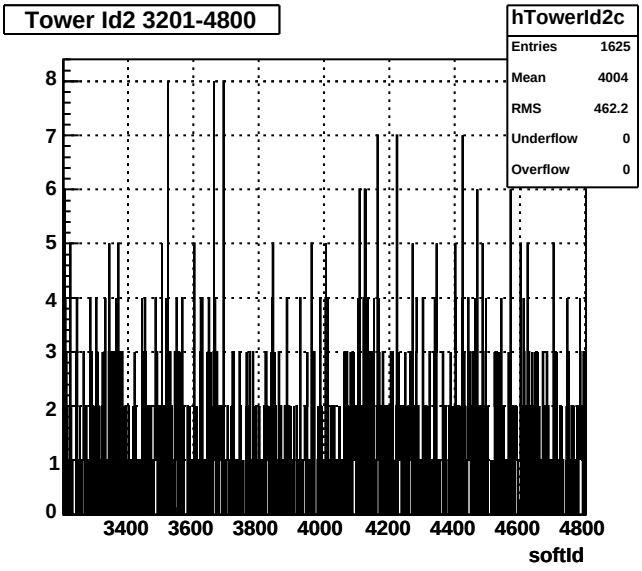

Tower Id1 1-1600
hTowerId1a
Entries 1774
Mean 832.9
RMS 449.9
Underflow 0
Overflow 0
softId

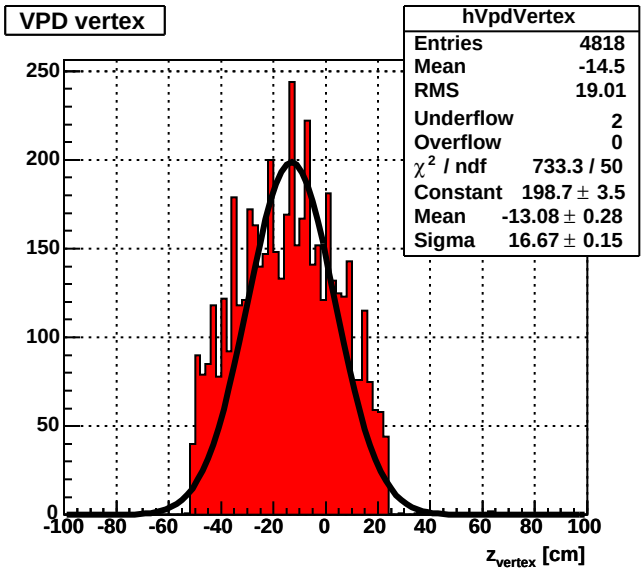

Tower Id2 1-1600
hTowerId2a
Entries 1631
Mean 831.6
RMS 443.6
Underflow 0
Overflow 0
softId

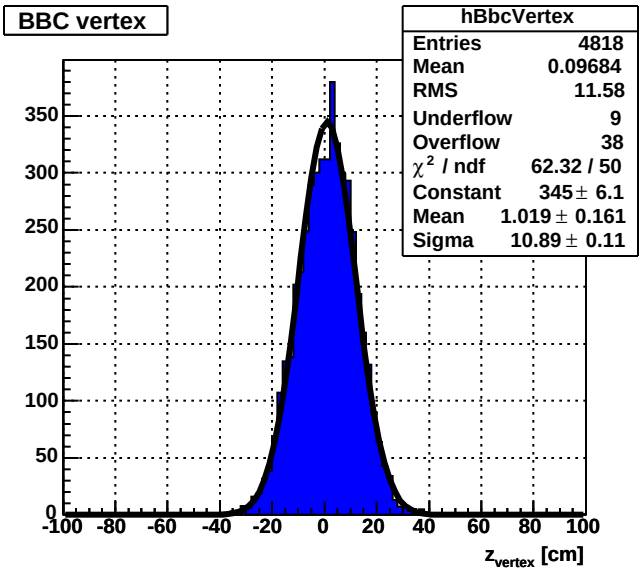

Tower Id1 1601-3200
hTowerId1b
Entries 1558
Mean 2370
RMS 443.9
Underflow 0
Overflow 0
softId

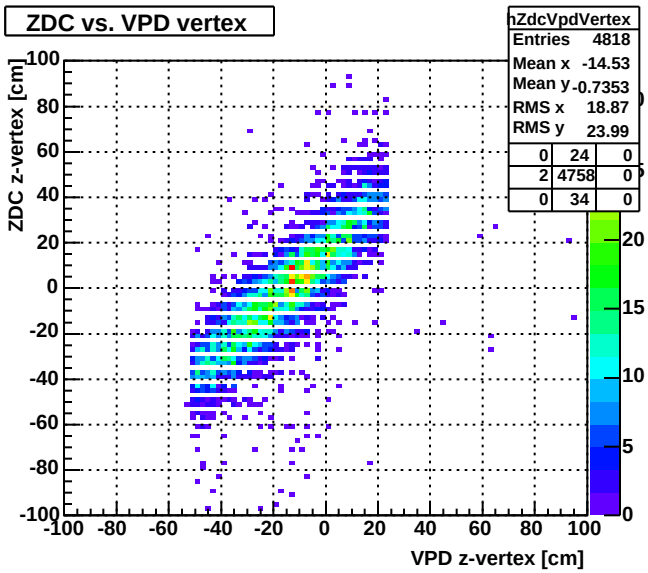

Tower Id2 1601-3200
hTowerId2b
Entries 1562
Mean 2417
RMS 457.9
Underflow 0
Overflow 0
softId

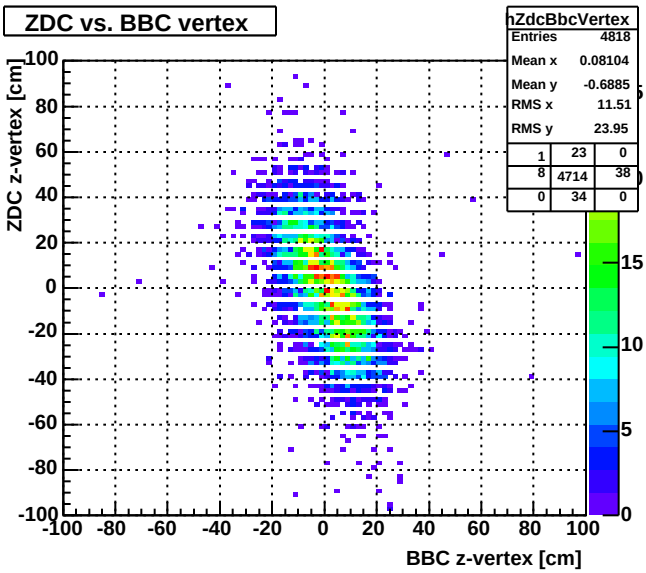

Tower Id1 3201-4800
hTowerId1c
Entries 1486
Mean 4092
RMS 471.8
Underflow 0
Overflow 0
softId

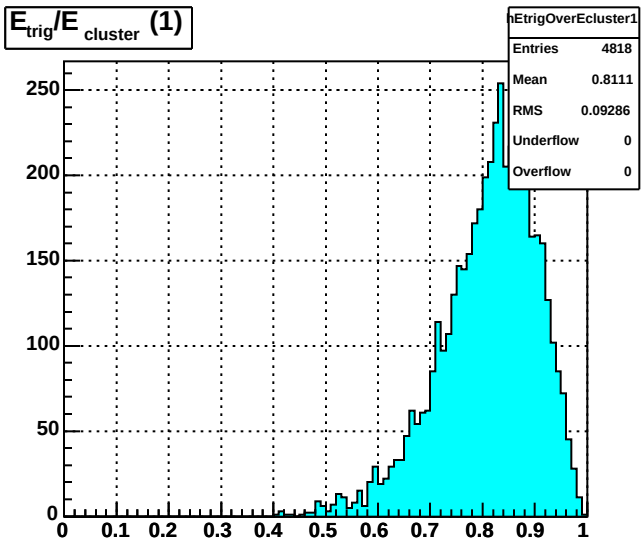

Tower Id2 3201-4800
hTowerId2c
Entries 1625
Mean 4004
RMS 462.2
Underflow 0
Overflow 0
softId

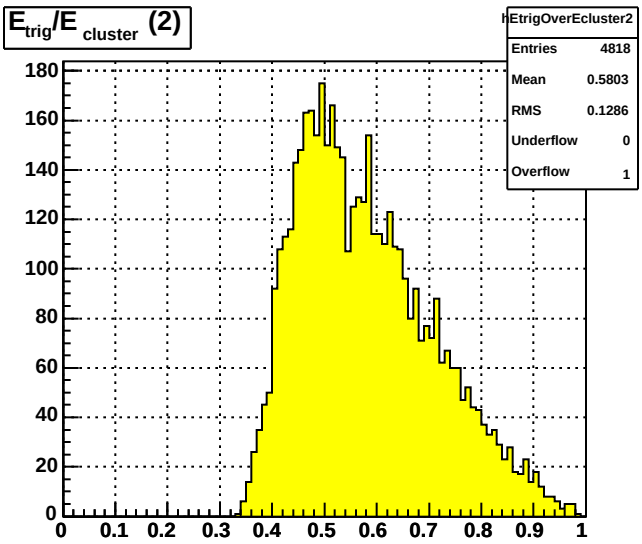

VPD vertex
hVpdVertex
Entries 4818
Mean -14.5
RMS 19.01
Underflow 2
Overflow 0
χ² / ndf 733.3 / 50
Constant 198.7 ± 3.5
Mean -13.08 ± 0.28
Sigma 16.67 ± 0.15
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 4818
Mean 0.09684
RMS 11.58
Underflow 9
Overflow 38
χ² / ndf 62.32 / 50
Constant 345 ± 6.1
Mean 1.019 ± 0.161
Sigma 10.89 ± 0.11
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 4818
Mean x -14.53
Mean y -0.7353
RMS x 18.87
RMS y 23.99
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 4818
Mean x 0.08104
Mean y -0.6885
RMS x 11.51
RMS y 23.95
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 4818
Mean 0.8111
RMS 0.09286
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 4818
Mean 0.5803
RMS 0.1286
Underflow 0
Overflow 1