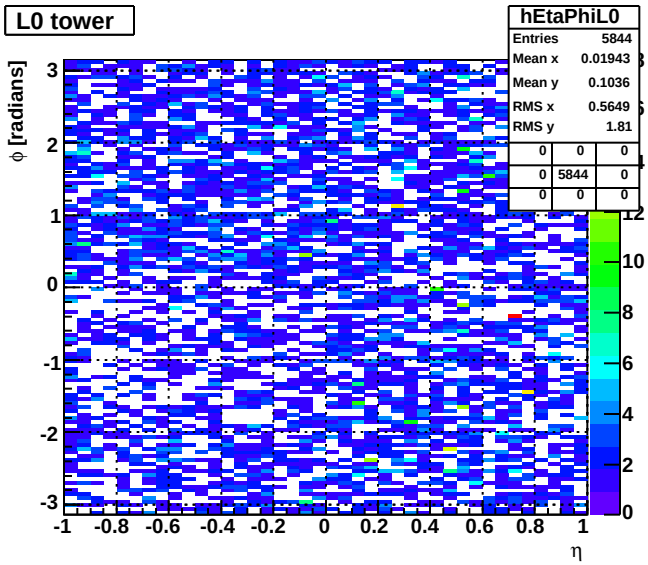
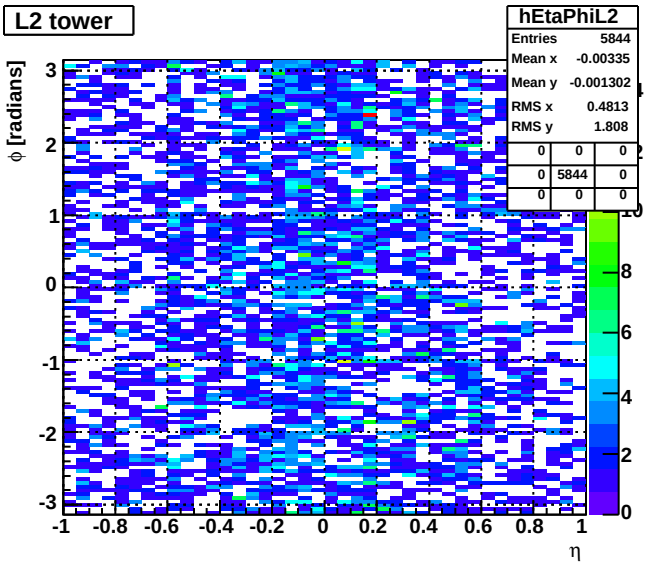
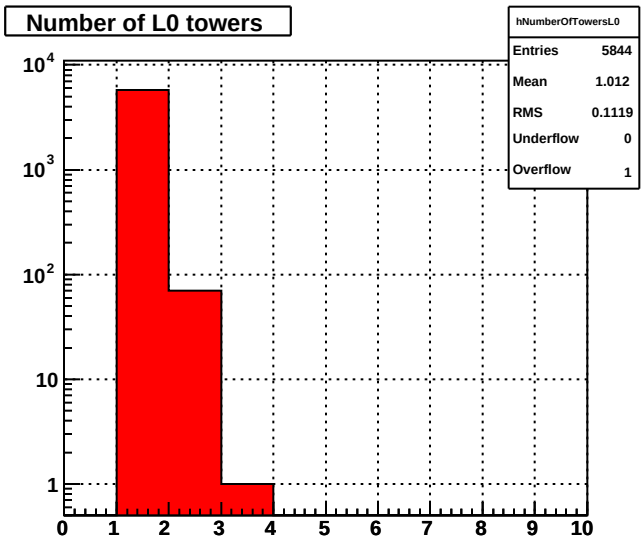
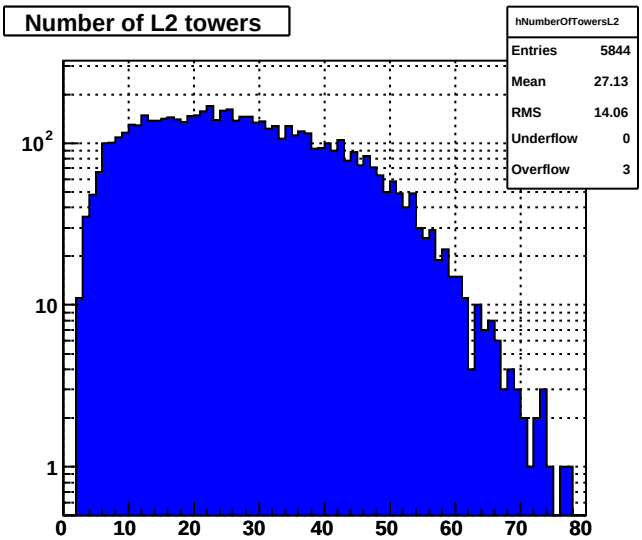
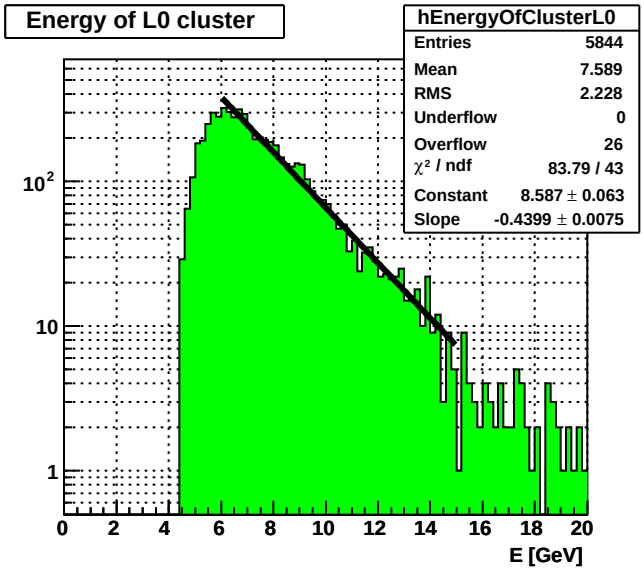
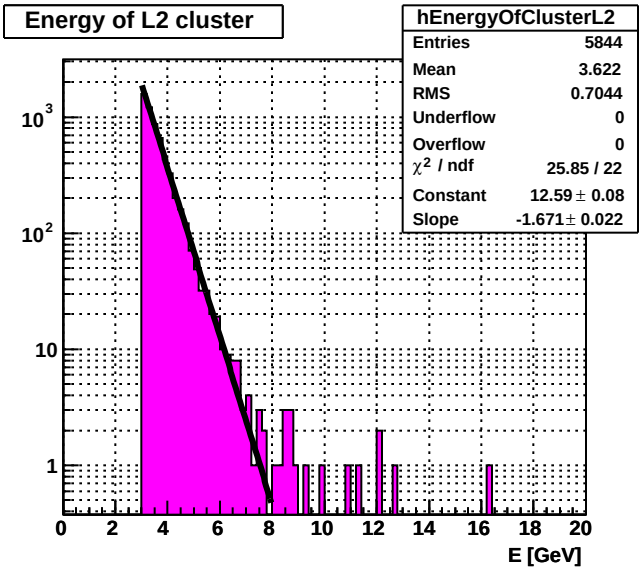

L0 tower
hEtaPhiL0
Entries 5844
Mean x 0.01943
Mean y 0.1036
RMS x 0.5649
RMS y 1.81
φ [radians]
η

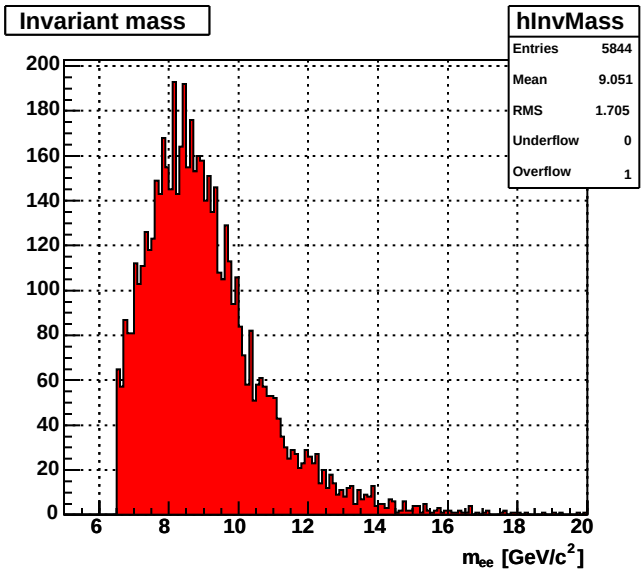

L2 tower
hEtaPhiL2
Entries 5844
Mean x -0.00335
Mean y -0.001302
RMS x 0.4813
RMS y 1.808
φ [radians]
η

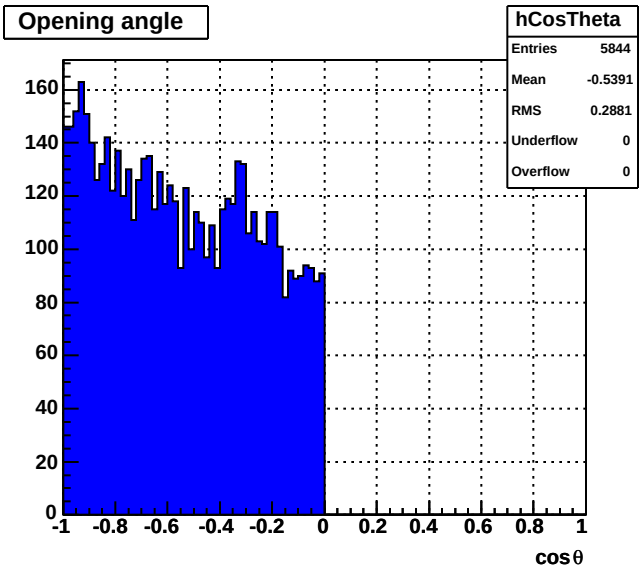

Number of L0 towers
hNumberOfTowersL0
Entries 5844
Mean 1.012
RMS 0.1119
Underflow 0
Overflow 1

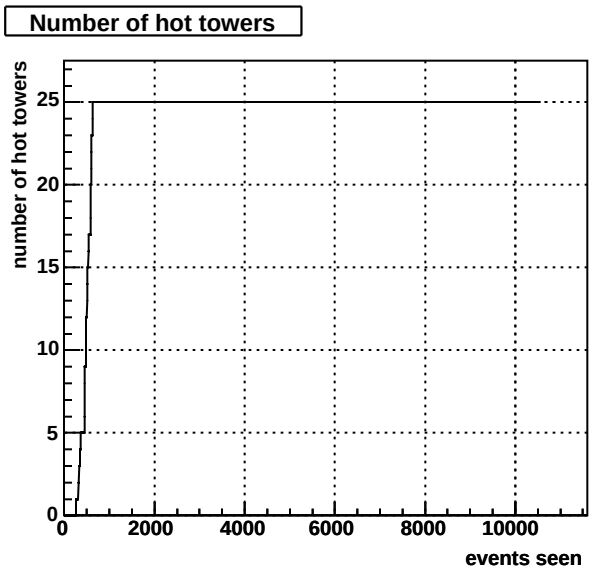

Number of L2 towers
hNumberOfTowersL2
Entries 5844
Mean 27.13
RMS 14.06
Underflow 0
Overflow 3

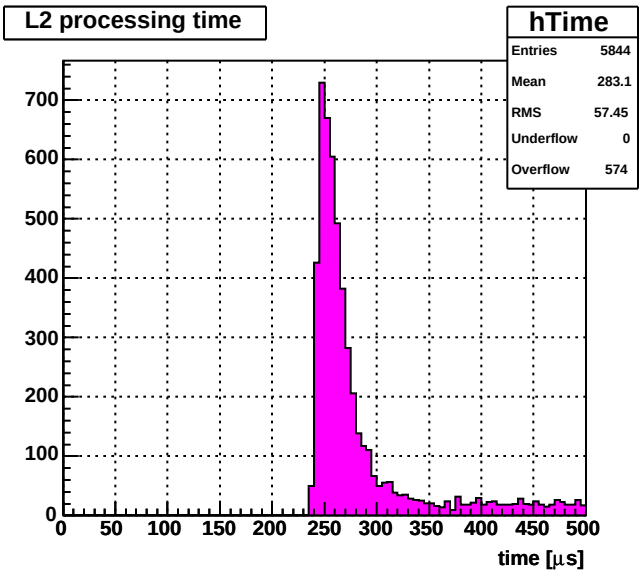

Energy of L0 cluster
hEnergyOfClusterL0
Entries 5844
Mean 7.589
RMS 2.228
Underflow 0
Overflow 26
χ² / ndf 83.79 / 43
Constant 8.587 ± 0.063
Slope -0.4399 ± 0.0075
E [GeV]

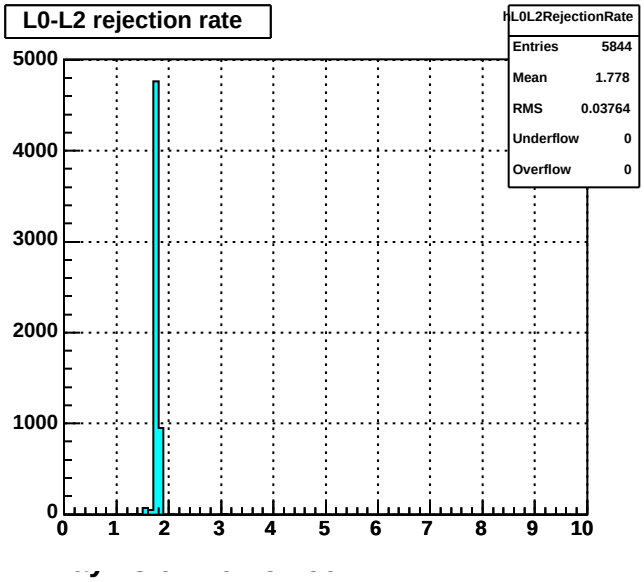

Energy of L2 cluster
hEnergyOfClusterL2
Entries 5844
Mean 3.622
RMS 0.7044
Underflow 0
Overflow 0
χ² / ndf 25.85 / 22
Constant 12.59 ± 0.08
Slope -1.671 ± 0.022
E [GeV]

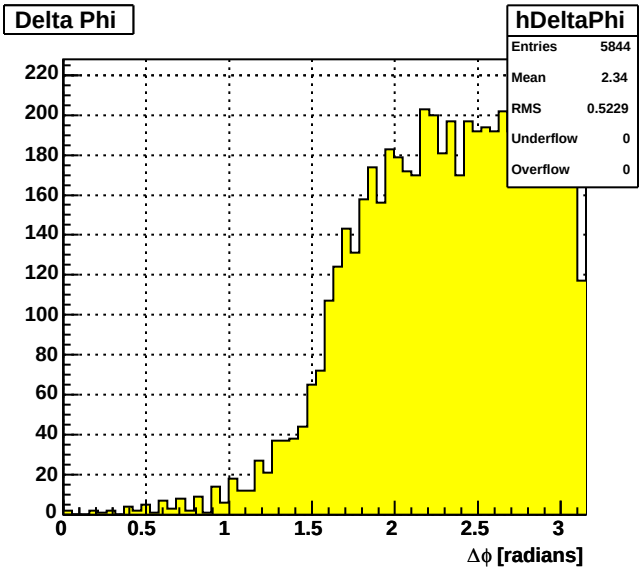

Invariant mass
hInvMass
Entries 5844
Mean 9.051
RMS 1.705
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

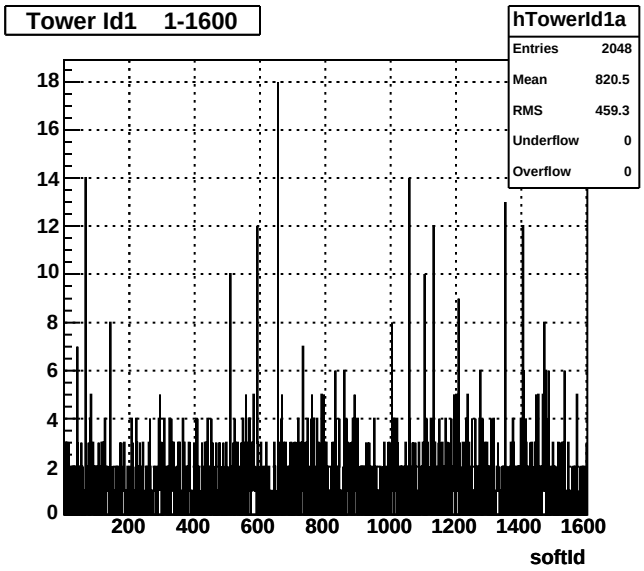

Opening angle
hCosTheta
Entries 5844
Mean -0.5391
RMS 0.2881
Underflow 0
Overflow 0
cos θ

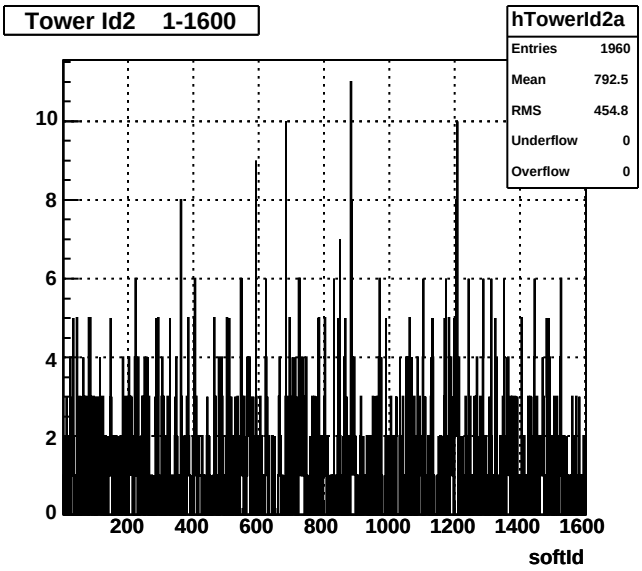

Number of hot towers
number of hot towers
events seen

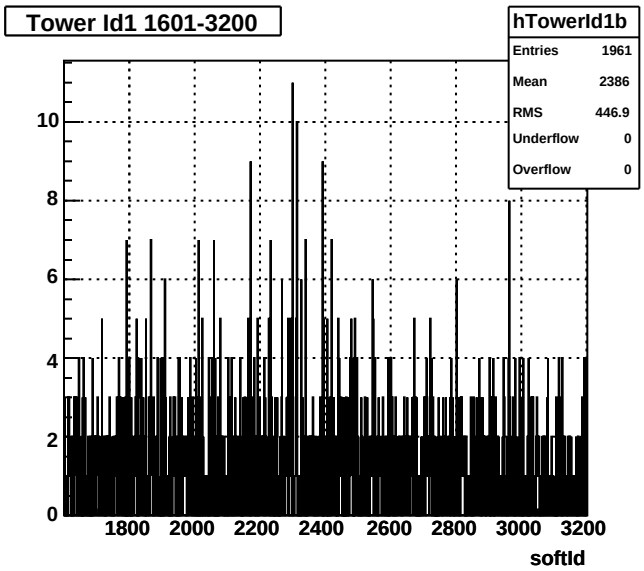

L2 processing time
hTime
Entries 5844
Mean 283.1
RMS 57.45
Underflow 0
Overflow 574
time [μs]

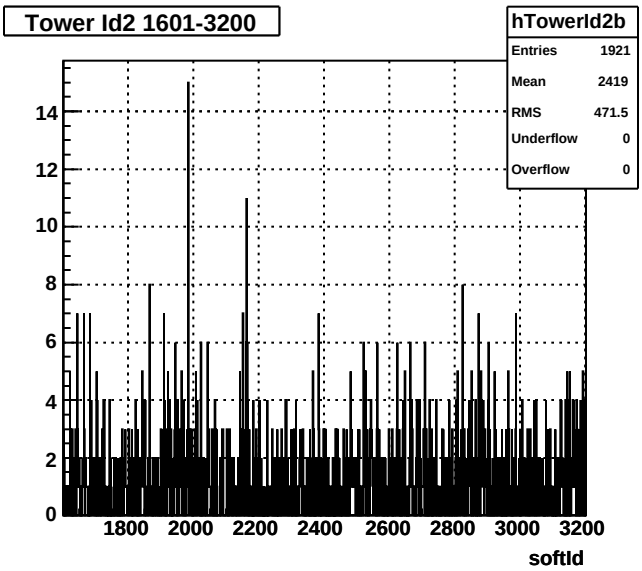

L0-L2 rejection rate
hL0L2RejectionRate
Entries 5844
Mean 1.778
RMS 0.03764
Underflow 0
Overflow 0

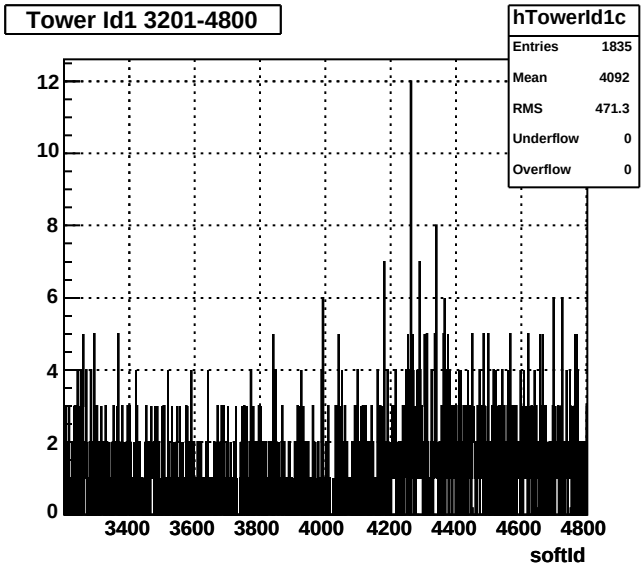

Delta Phi
hDeltaPhi
Entries 5844
Mean 2.34
RMS 0.5229
Underflow 0
Overflow 0
Δφ [radians]

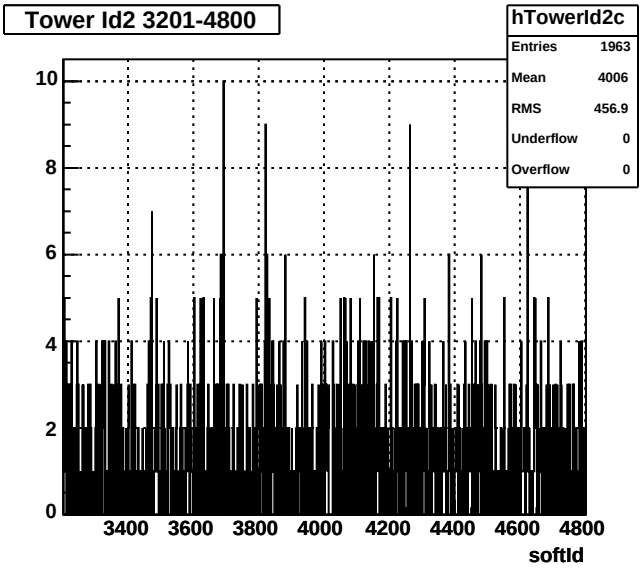

Tower Id1 1-1600
hTowerId1a
Entries 2048
Mean 820.5
RMS 459.3
Underflow 0
Overflow 0
softId

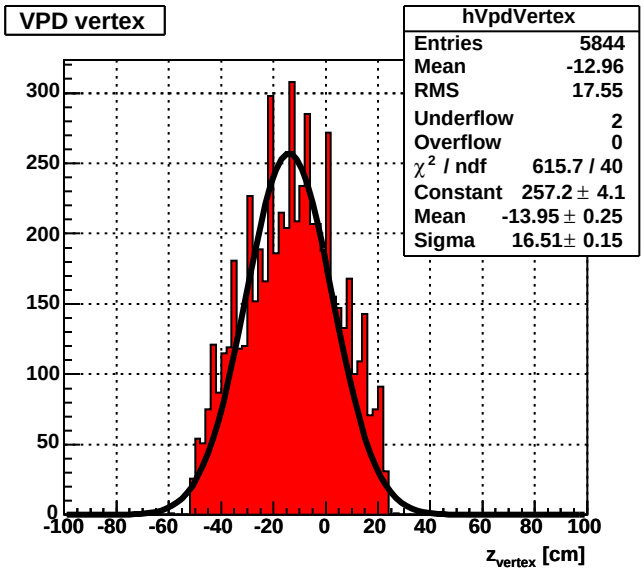

Tower Id2 1-1600
hTowerId2a
Entries 1960
Mean 792.5
RMS 454.8
Underflow 0
Overflow 0
softId

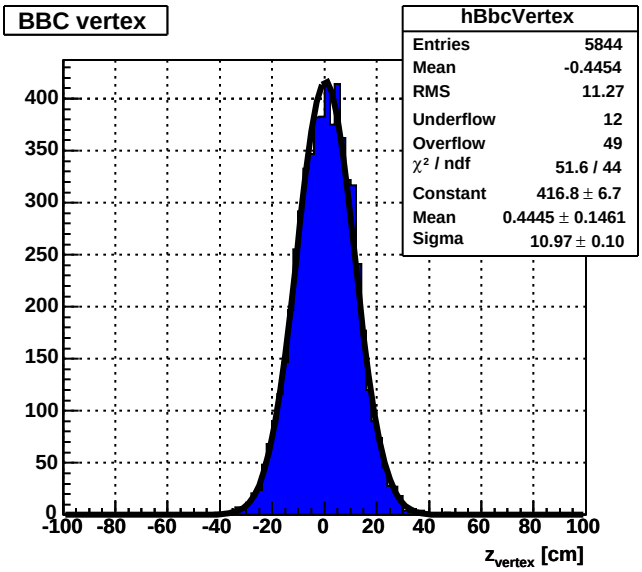

Tower Id1 1601-3200
hTowerId1b
Entries 1961
Mean 2386
RMS 446.9
Underflow 0
Overflow 0
softId

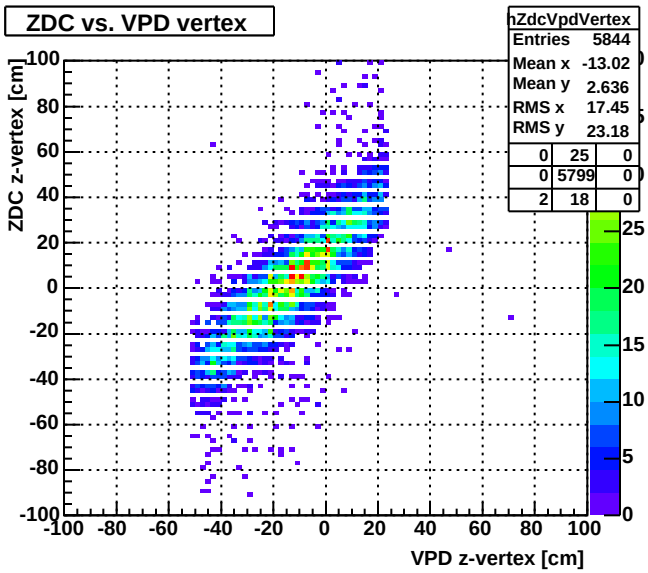

Tower Id2 1601-3200
hTowerId2b
Entries 1921
Mean 2419
RMS 471.5
Underflow 0
Overflow 0
softId

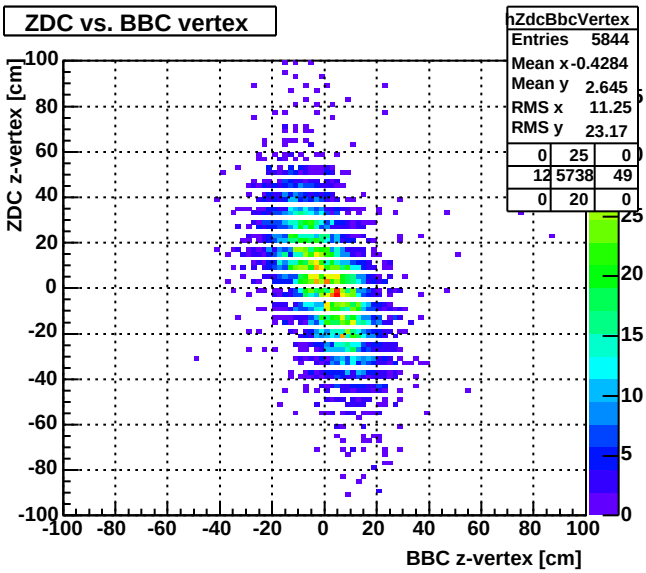

Tower Id1 3201-4800
hTowerId1c
Entries 1835
Mean 4092
RMS 471.3
Underflow 0
Overflow 0
softId

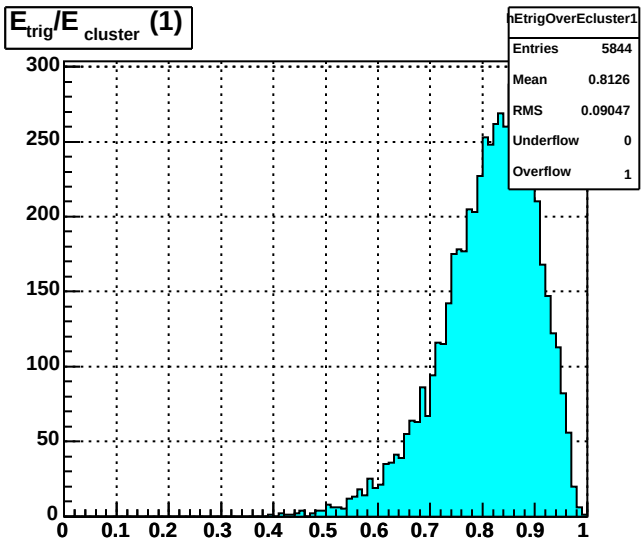

Tower Id2 3201-4800
hTowerId2c
Entries 1963
Mean 4006
RMS 456.9
Underflow 0
Overflow 0
softId

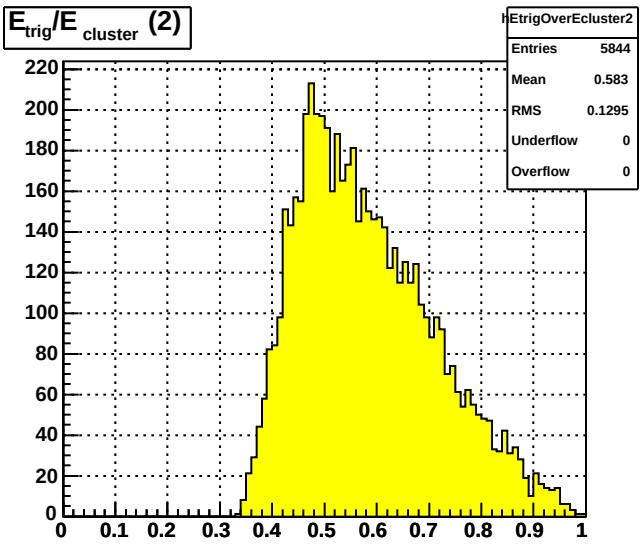

VPD vertex
hVpdVertex
Entries 5844
Mean -12.96
RMS 17.55
Underflow 2
Overflow 0
χ² / ndf 615.7 / 40
Constant 257.2 ± 4.1
Mean -13.95 ± 0.25
Sigma 16.51 ± 0.15
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 5844
Mean -0.4454
RMS 11.27
Underflow 12
Overflow 49
χ² / ndf 51.6 / 44
Constant 416.8 ± 6.7
Mean 0.4445 ± 0.1461
Sigma 10.97 ± 0.10
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 5844
Mean x -13.02
Mean y 2.636
RMS x 17.45
RMS y 23.18
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 5844
Mean x -0.4284
Mean y 2.645
RMS x 11.25
RMS y 23.17
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 5844
Mean 0.8126
RMS 0.09047
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 5844
Mean 0.583
RMS 0.1295
Underflow 0
Overflow 0