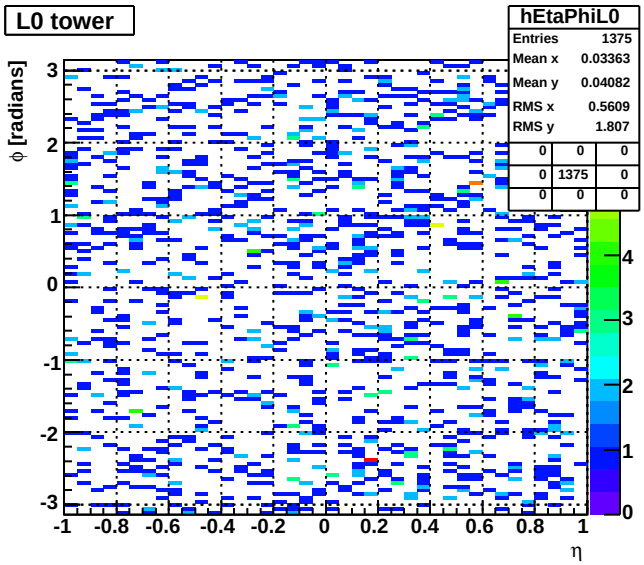
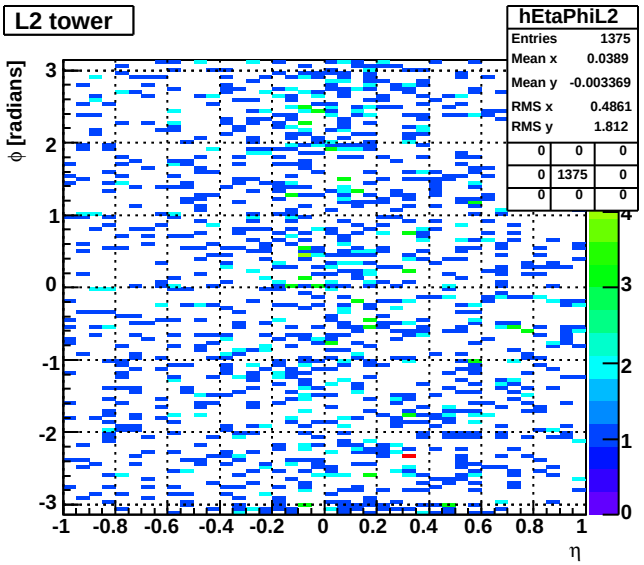
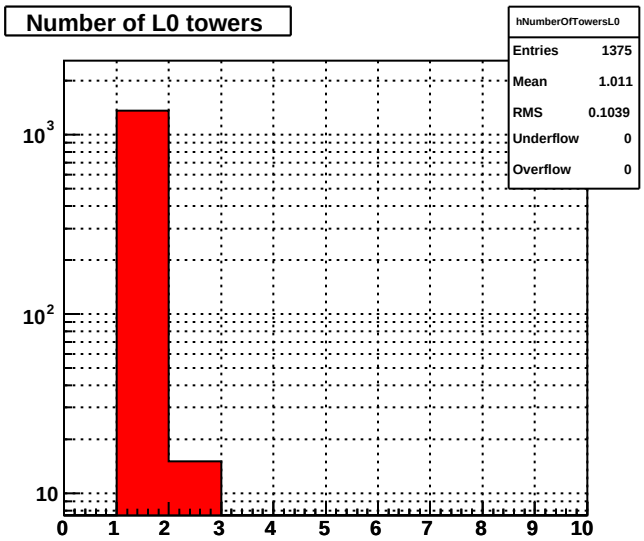
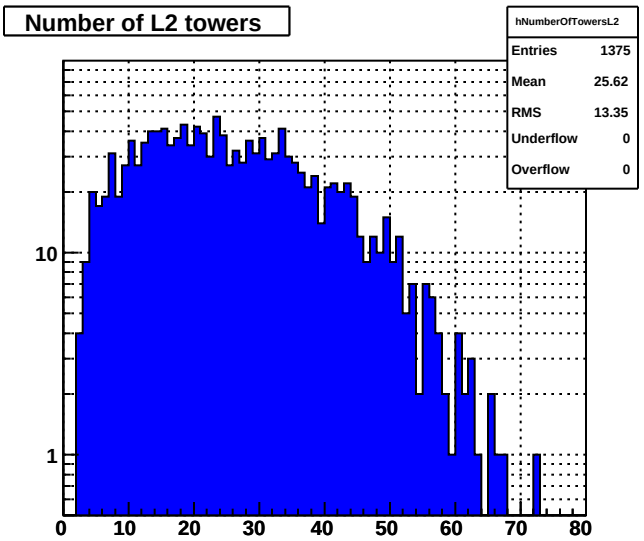
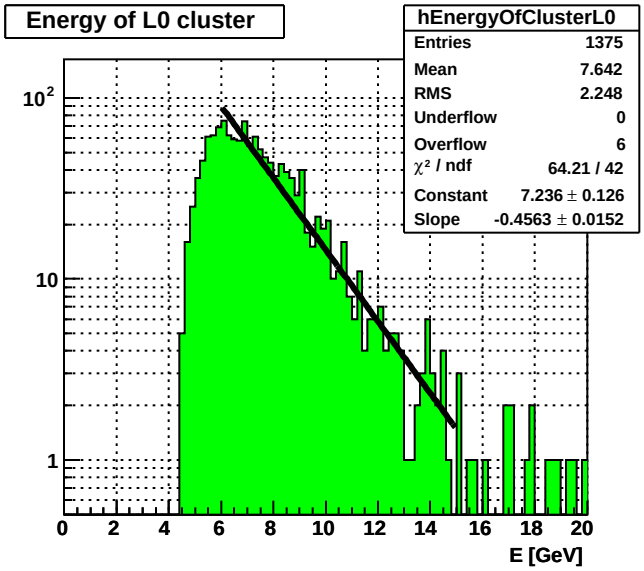
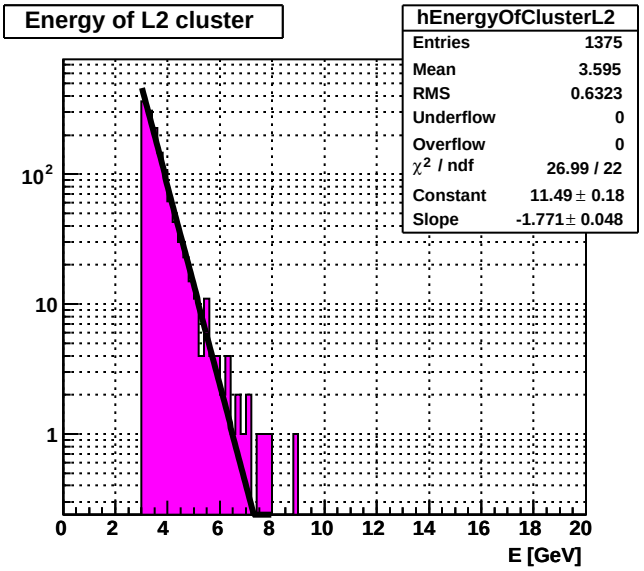

L0 tower
hEtaPhiL0
Entries 1375
Mean x 0.03363
Mean y 0.04082
RMS x 0.5609
RMS y 1.807
φ [radians]
η

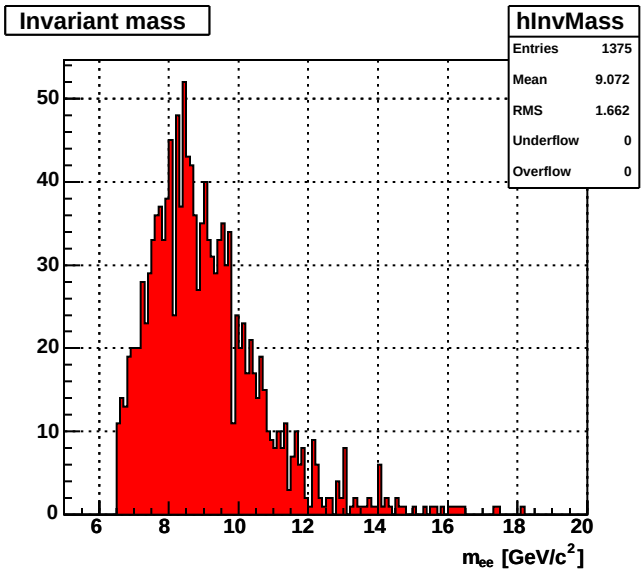

L2 tower
hEtaPhiL2
Entries 1375
Mean x 0.0389
Mean y -0.003369
RMS x 0.4861
RMS y 1.812
φ [radians]
η

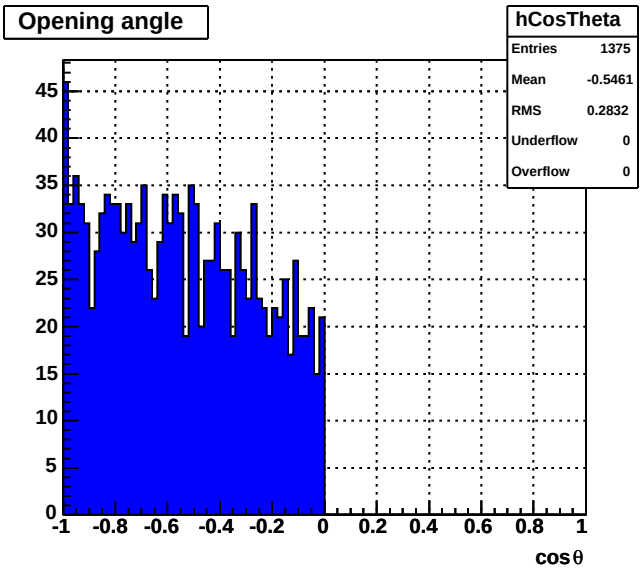

Number of L0 towers
hNumberOfTowersL0
Entries 1375
Mean 1.011
RMS 0.1039
Underflow 0
Overflow 0

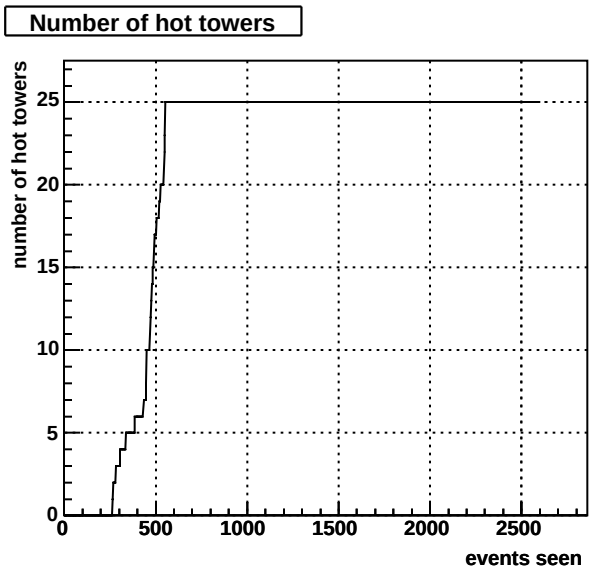

Number of L2 towers
hNumberOfTowersL2
Entries 1375
Mean 25.62
RMS 13.35
Underflow 0
Overflow 0

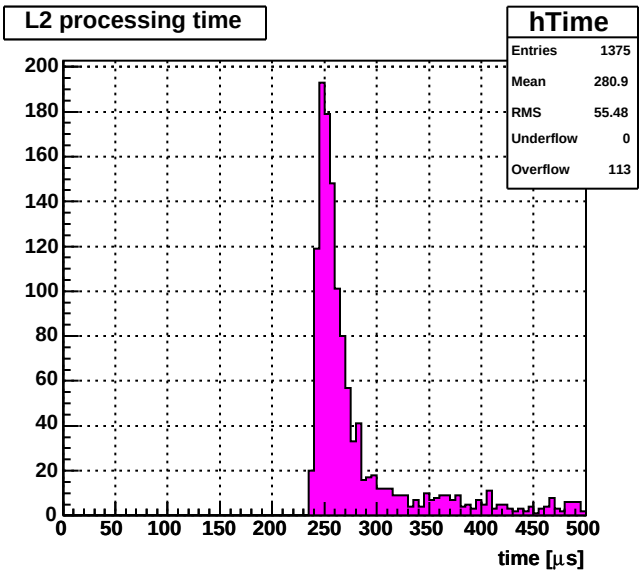

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1375
Mean 7.642
RMS 2.248
Underflow 0
Overflow 6
χ² / ndf 64.21 / 42
Constant 7.236 ± 0.126
Slope -0.4563 ± 0.0152
E [GeV]

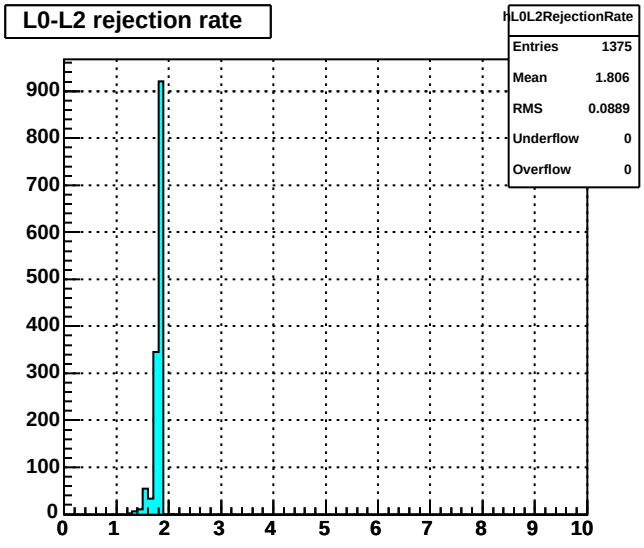

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1375
Mean 3.595
RMS 0.6323
Underflow 0
Overflow 0
χ² / ndf 26.99 / 22
Constant 11.49 ± 0.18
Slope -1.771 ± 0.048
E [GeV]

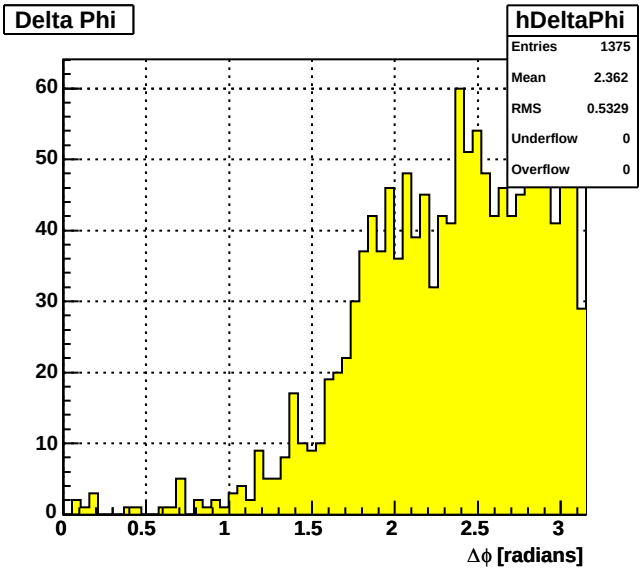

Invariant mass
hInvMass
Entries 1375
Mean 9.072
RMS 1.662
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

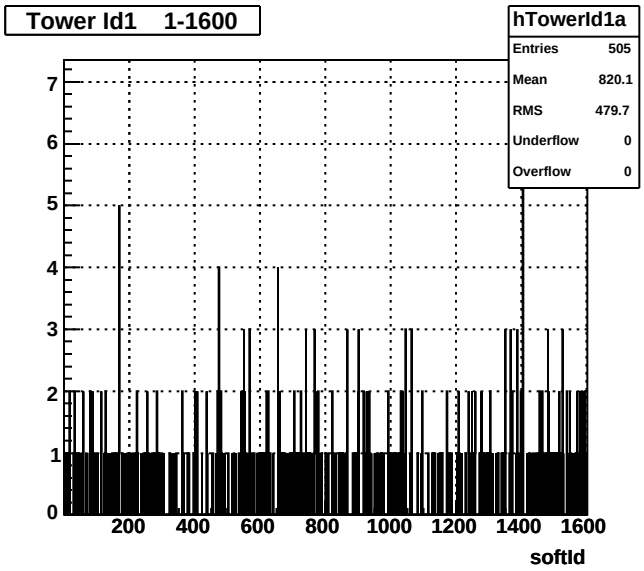

Opening angle
hCosTheta
Entries 1375
Mean -0.5461
RMS 0.2832
Underflow 0
Overflow 0
cos θ

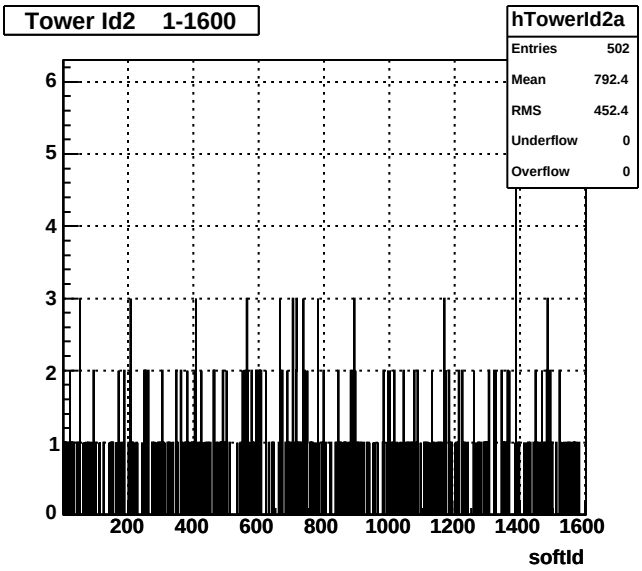

Number of hot towers
number of hot towers
events seen

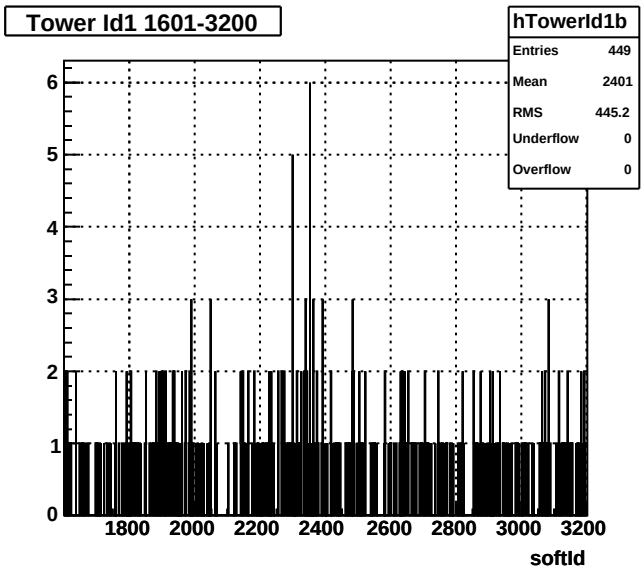

L2 processing time
hTime
Entries 1375
Mean 280.9
RMS 55.48
Underflow 0
Overflow 113
time [μs]

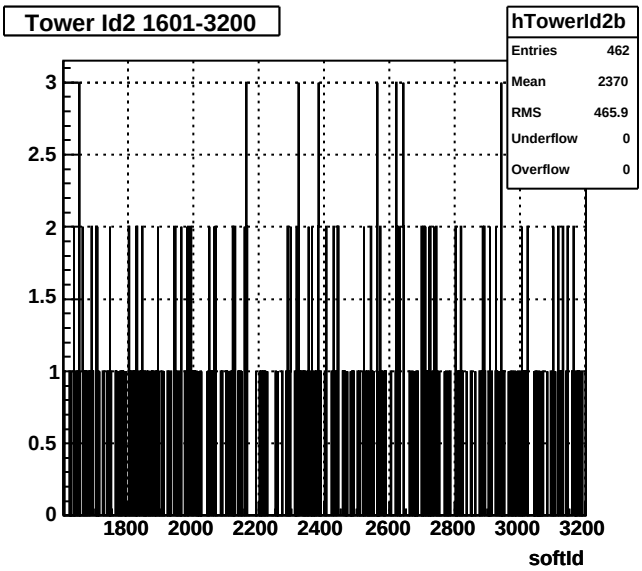

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1375
Mean 1.806
RMS 0.0889
Underflow 0
Overflow 0

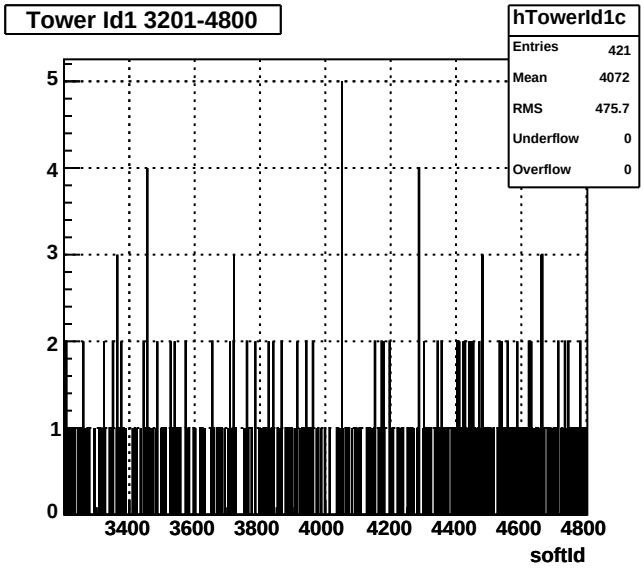

Delta Phi
hDeltaPhi
Entries 1375
Mean 2.362
RMS 0.5329
Underflow 0
Overflow 0
Δϕ [radians]

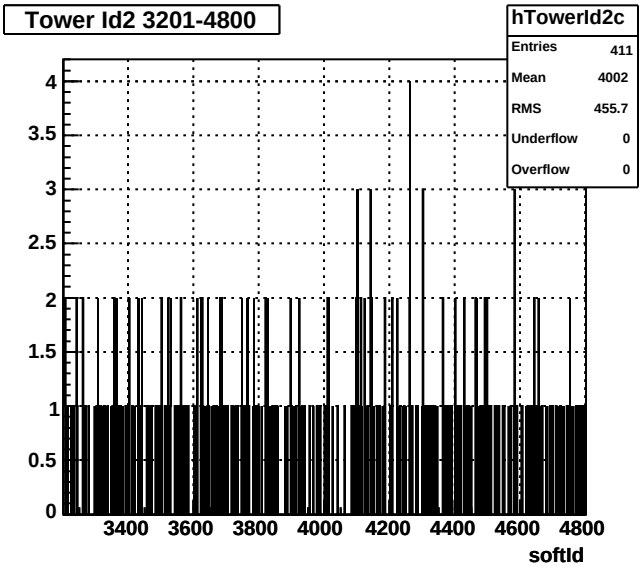

Tower Id1 1-1600
hTowerId1a
Entries 505
Mean 820.1
RMS 479.7
Underflow 0
Overflow 0
softId

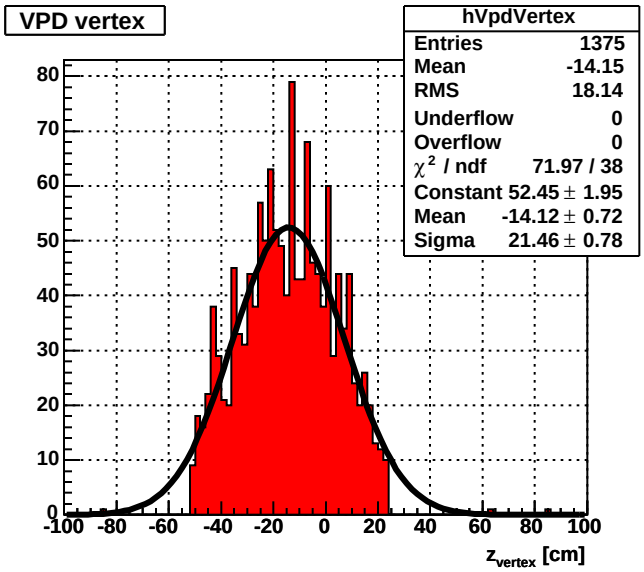

Tower Id2 1-1600
hTowerId2a
Entries 502
Mean 792.4
RMS 452.4
Underflow 0
Overflow 0
softId

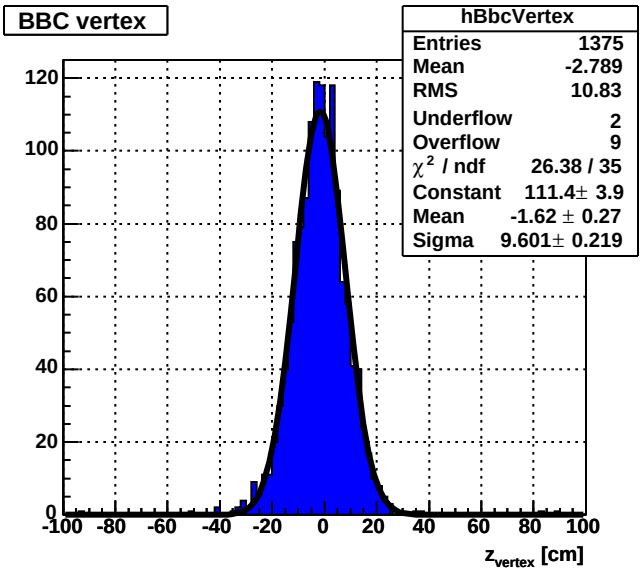

Tower Id1 1601-3200
hTowerId1b
Entries 449
Mean 2401
RMS 445.2
Underflow 0
Overflow 0
softId

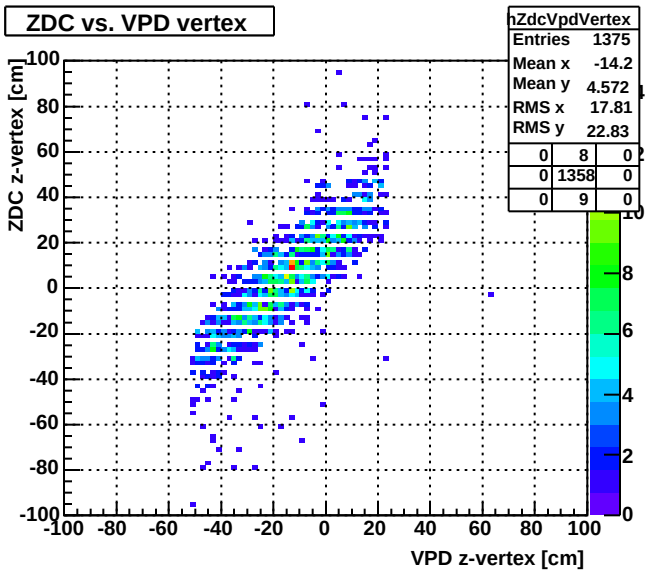

Tower Id2 1601-3200
hTowerId2b
Entries 462
Mean 2370
RMS 465.9
Underflow 0
Overflow 0
softId

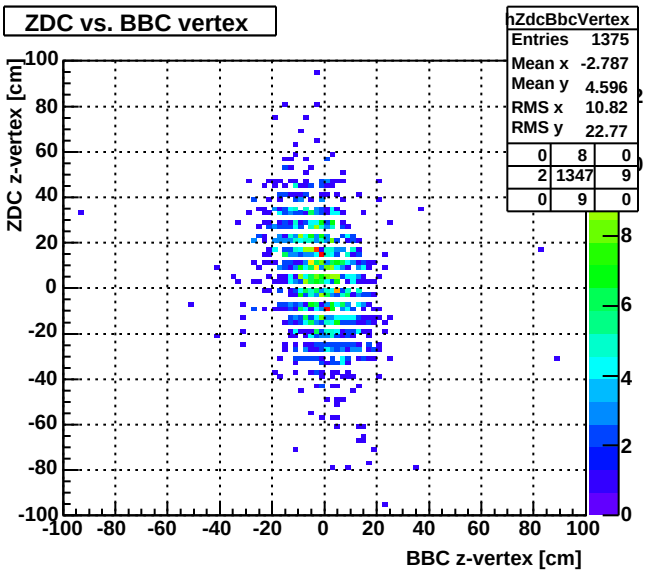

Tower Id1 3201-4800
hTowerId1c
Entries 421
Mean 4072
RMS 475.7
Underflow 0
Overflow 0
softId

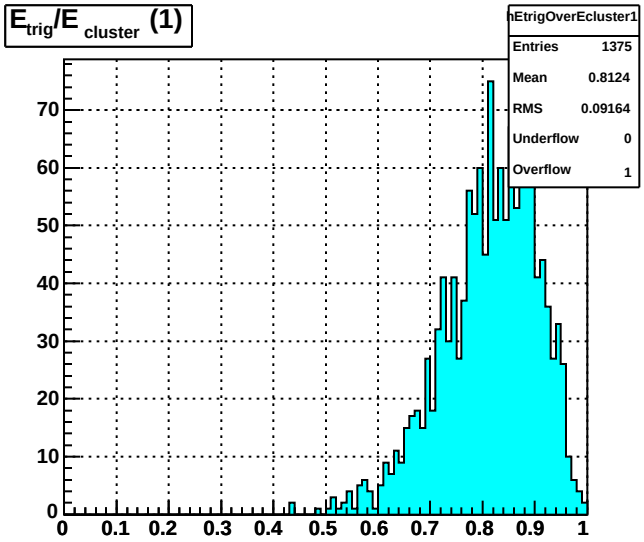

Tower Id2 3201-4800
hTowerId2c
Entries 411
Mean 4002
RMS 455.7
Underflow 0
Overflow 0
softId

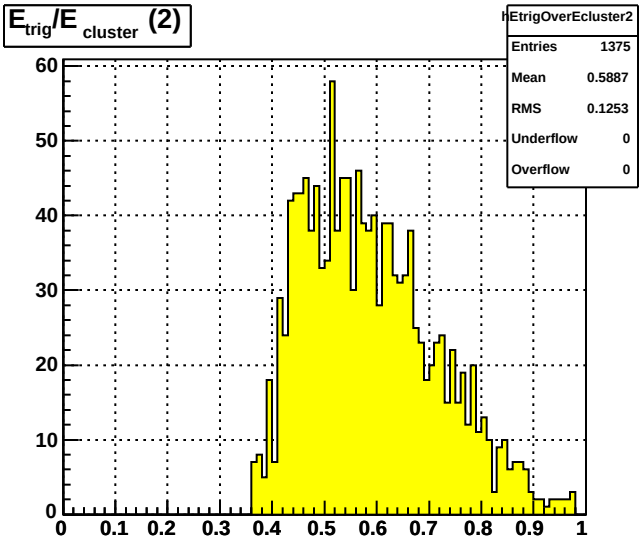

VPD vertex
hVpdVertex
Entries 1375
Mean -14.15
RMS 18.14
Underflow 0
Overflow 0
χ² / ndf 71.97 / 38
Constant 52.45 ± 1.95
Mean -14.12 ± 0.72
Sigma 21.46 ± 0.78
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1375
Mean -2.789
RMS 10.83
Underflow 2
Overflow 9
χ² / ndf 26.38 / 35
Constant 111.4± 3.9
Mean -1.62 ± 0.27
Sigma 9.601± 0.219
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1375
Mean x -14.2
Mean y 4.572
RMS x 17.81
RMS y 22.83
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1375
Mean x -2.787
Mean y 4.596
RMS x 10.82
RMS y 22.77
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1375
Mean 0.8124
RMS 0.09164
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1375
Mean 0.5887
RMS 0.1253
Underflow 0
Overflow 0