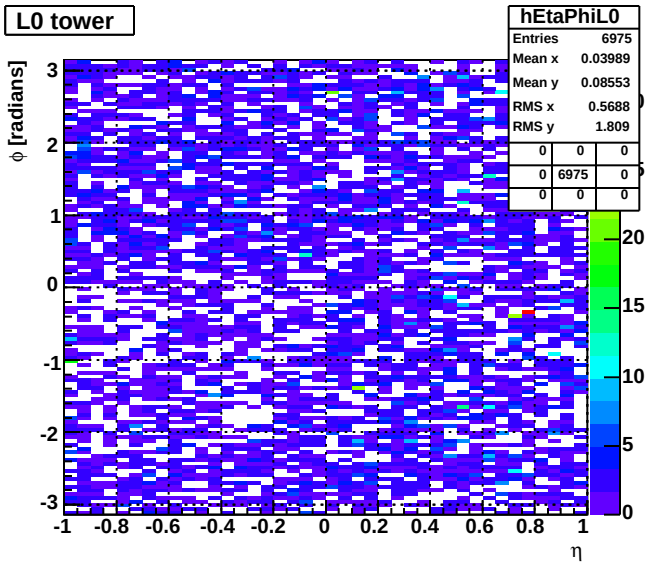
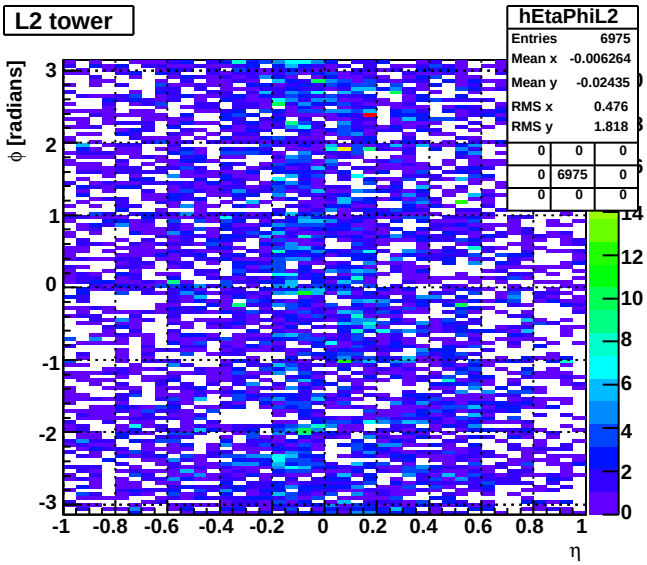
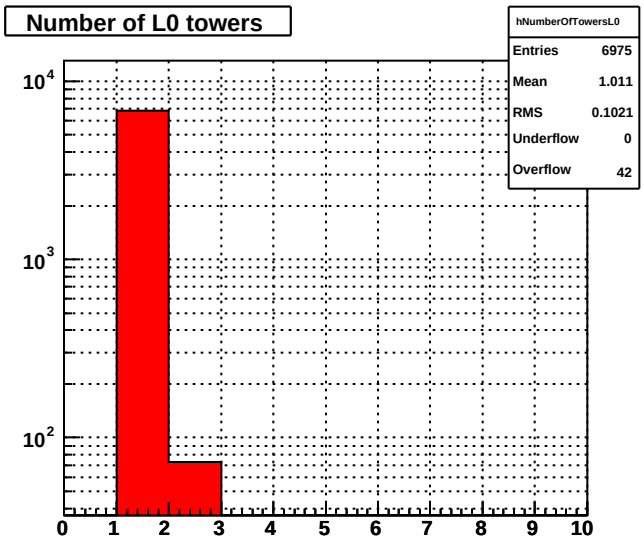
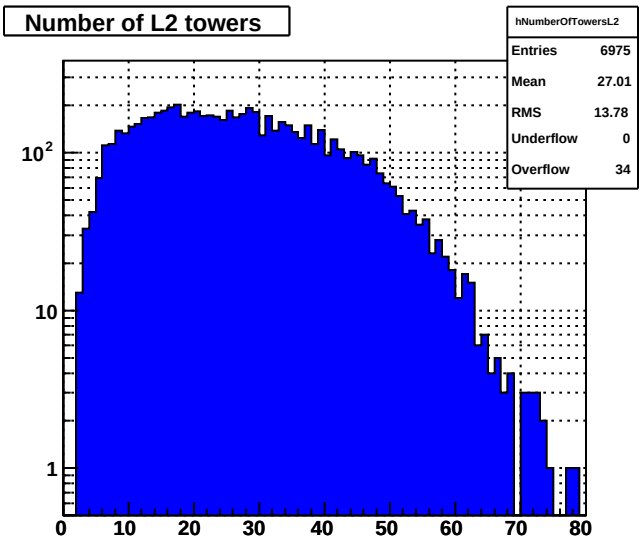
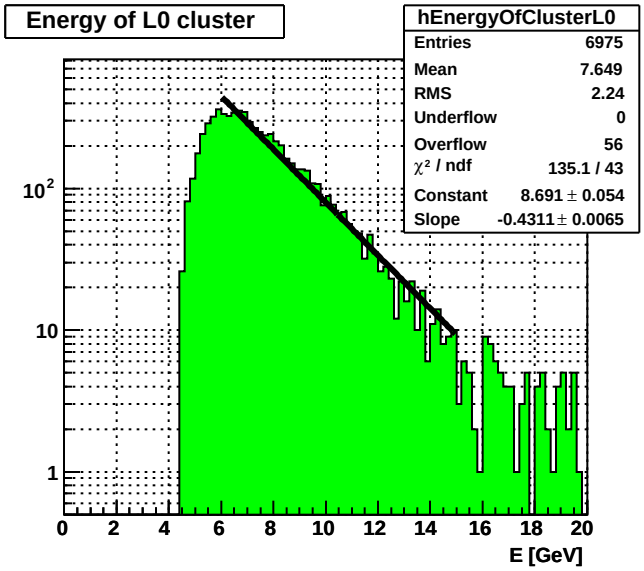
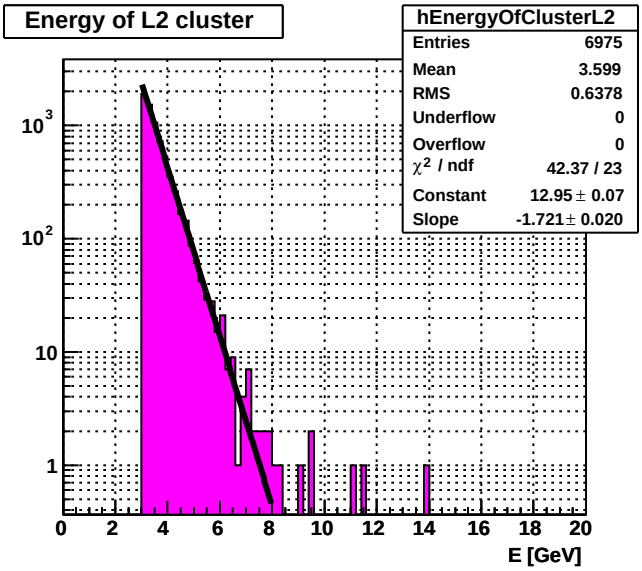

L0 tower
hEtaPhiL0
Entries 6975
Mean x 0.03989
Mean y 0.08553
RMS x 0.5688
RMS y 1.809
φ [radians]
η

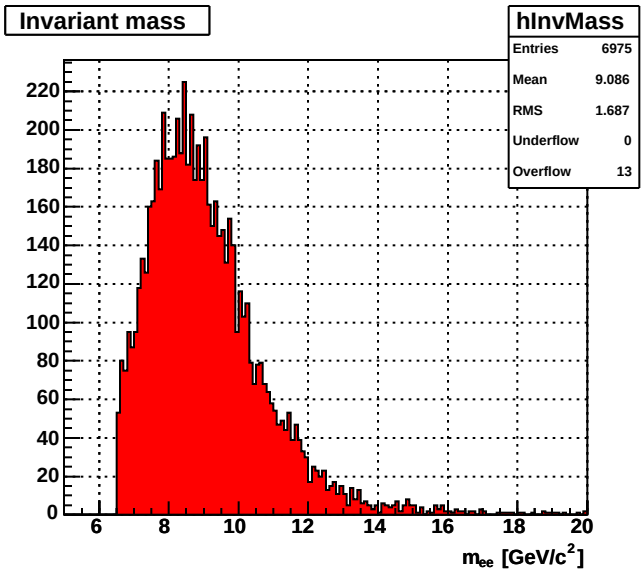

L2 tower
hEtaPhiL2
Entries 6975
Mean x -0.006264
Mean y -0.02435
RMS x 0.476
RMS y 1.818
φ [radians]
η

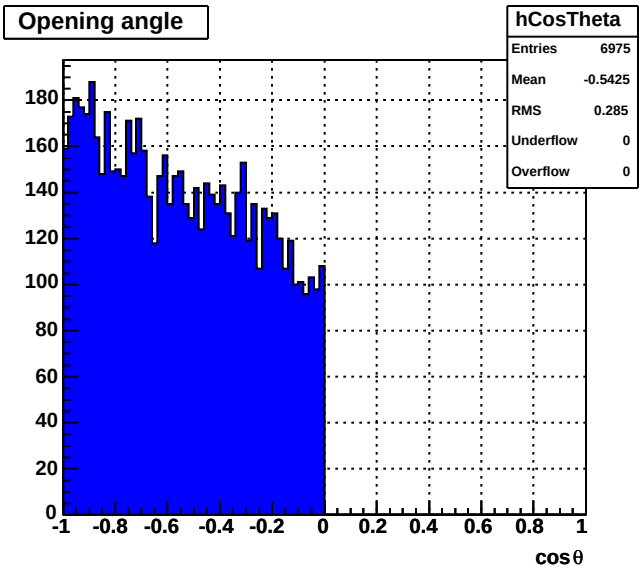

Number of L0 towers
hNumberOfTowersL0
Entries 6975
Mean 1.011
RMS 0.1021
Underflow 0
Overflow 42

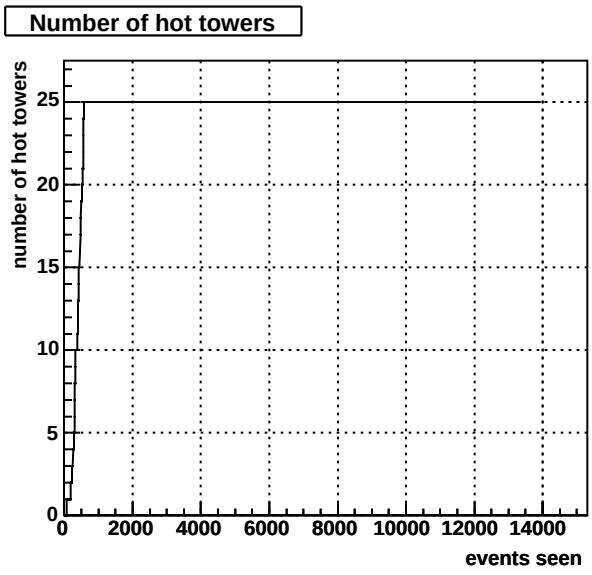

Number of L2 towers
hNumberOfTowersL2
Entries 6975
Mean 27.01
RMS 13.78
Underflow 0
Overflow 34

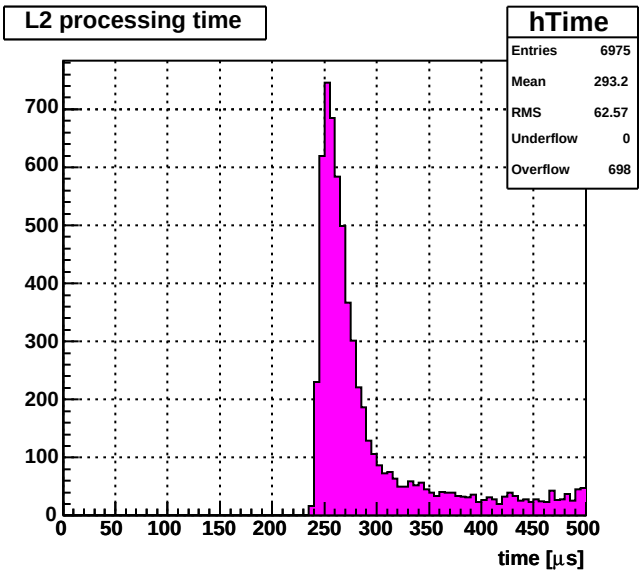

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6975
Mean 7.649
RMS 2.24
Underflow 0
Overflow 56
χ² / ndf 135.1 / 43
Constant 8.691 ± 0.054
Slope -0.4311 ± 0.0065
E [GeV]

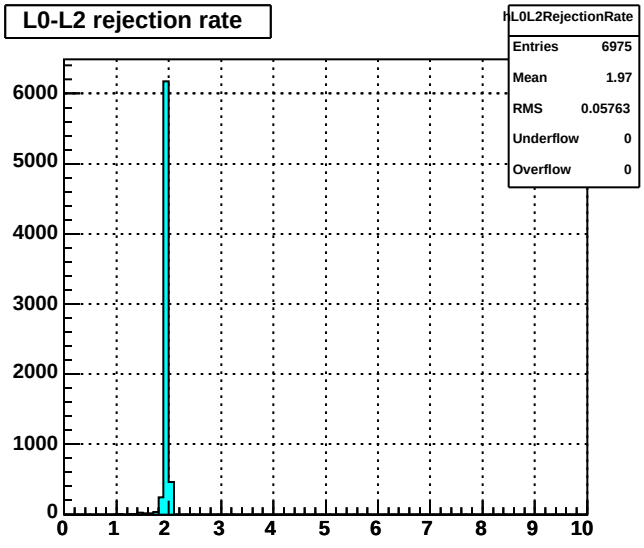

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6975
Mean 3.599
RMS 0.6378
Underflow 0
Overflow 0
χ² / ndf 42.37 / 23
Constant 12.95 ± 0.07
Slope -1.721 ± 0.020
E [GeV]

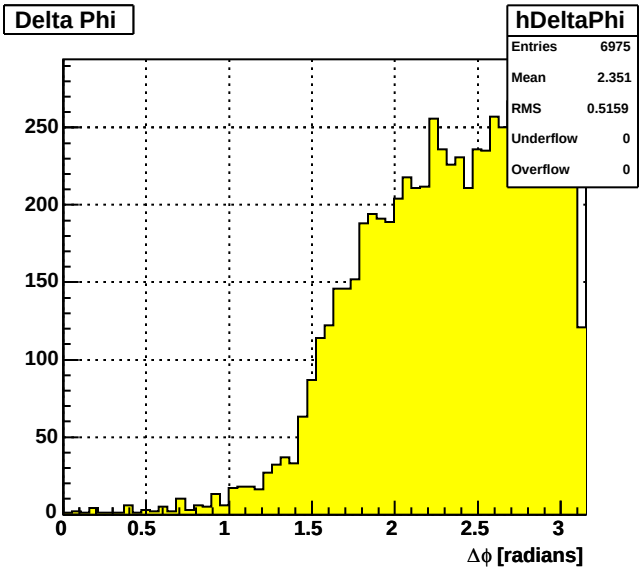

Invariant mass
hInvMass
Entries 6975
Mean 9.086
RMS 1.687
Underflow 0
Overflow 13
m_{ee} [GeV/c^2]

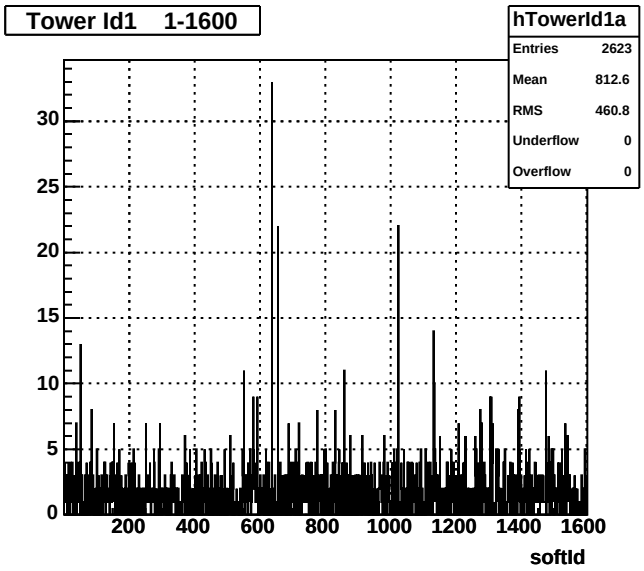

Opening angle
hCosTheta
Entries 6975
Mean -0.5425
RMS 0.285
Underflow 0
Overflow 0
cos θ

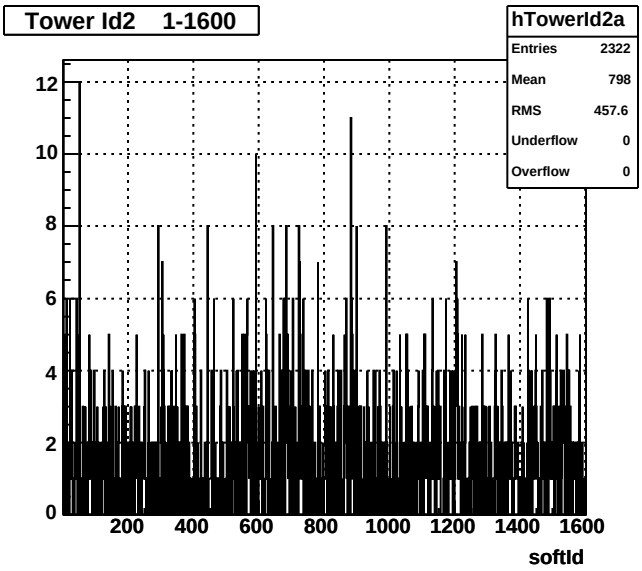

Number of hot towers
number of hot towers
events seen

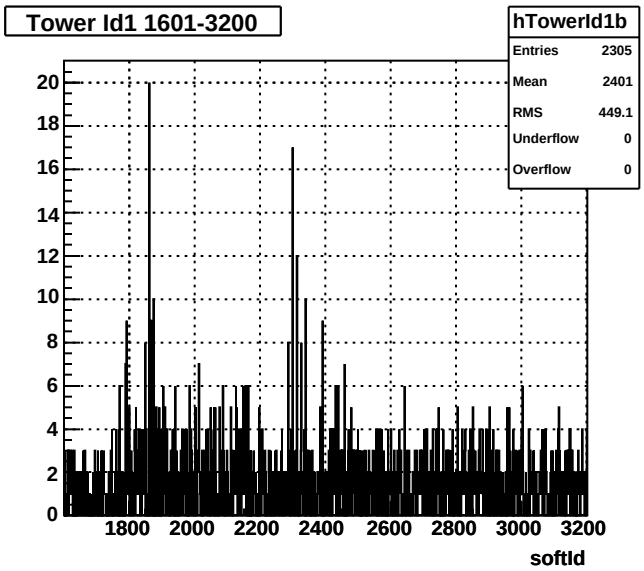

L2 processing time
hTime
Entries 6975
Mean 293.2
RMS 62.57
Underflow 0
Overflow 698
time [μs]

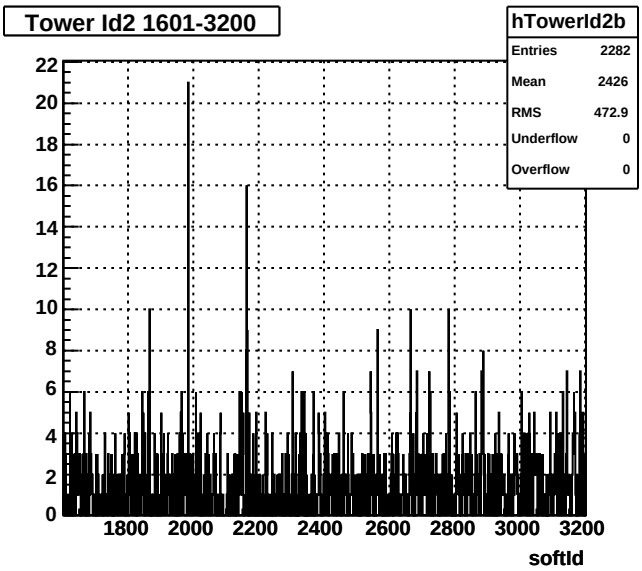

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6975
Mean 1.97
RMS 0.05763
Underflow 0
Overflow 0

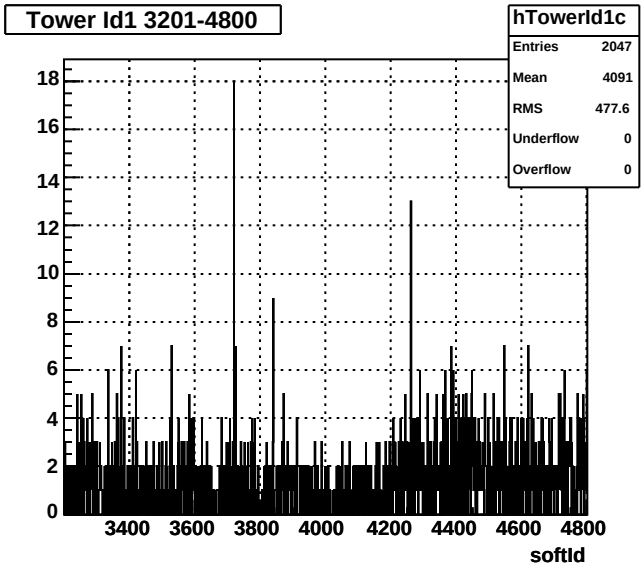

Delta Phi
hDeltaPhi
Entries 6975
Mean 2.351
RMS 0.5159
Underflow 0
Overflow 0
Δφ [radians]

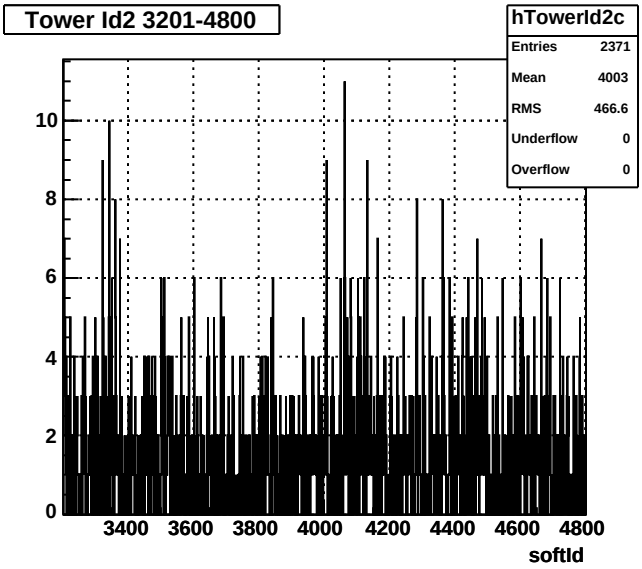

Tower Id1 1-1600
hTowerId1a
Entries 2623
Mean 812.6
RMS 460.8
Underflow 0
Overflow 0
softId

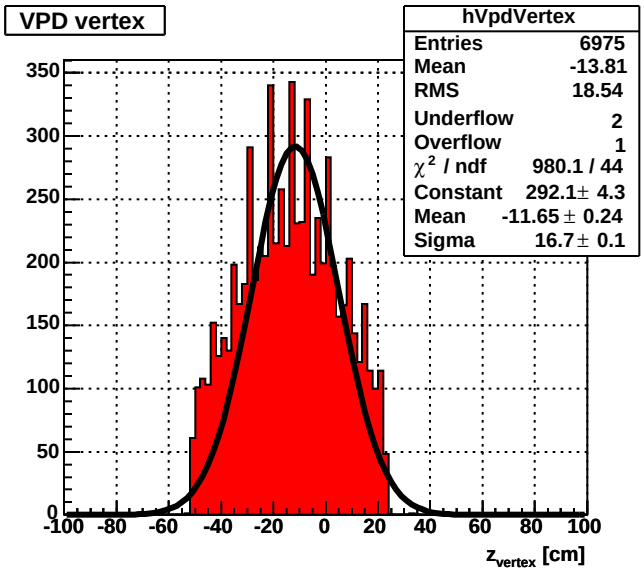

Tower Id2 1-1600
hTowerId2a
Entries 2322
Mean 798
RMS 457.6
Underflow 0
Overflow 0
softId

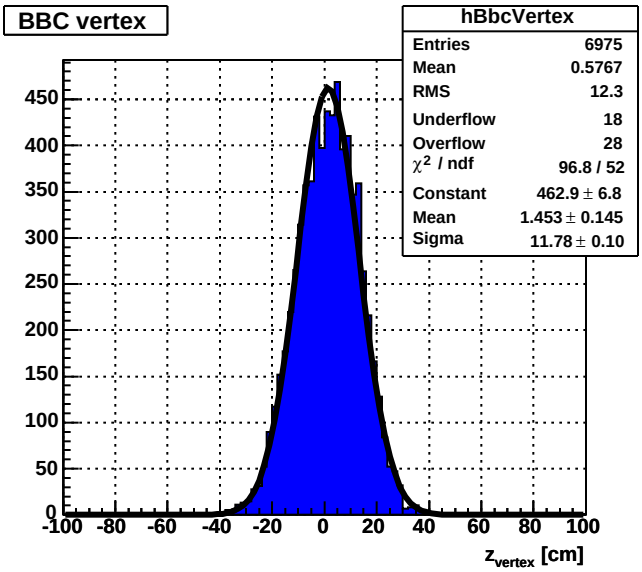

Tower Id1 1601-3200
hTowerId1b
Entries 2305
Mean 2401
RMS 449.1
Underflow 0
Overflow 0
softId

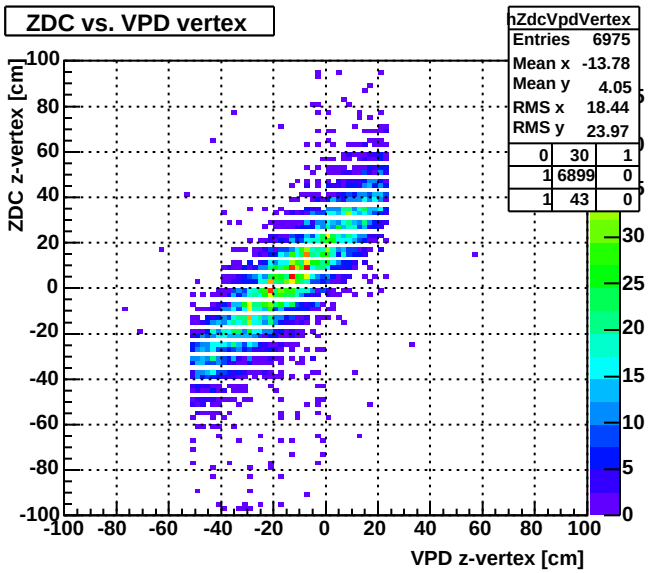

Tower Id2 1601-3200
hTowerId2b
Entries 2282
Mean 2426
RMS 472.9
Underflow 0
Overflow 0
softId

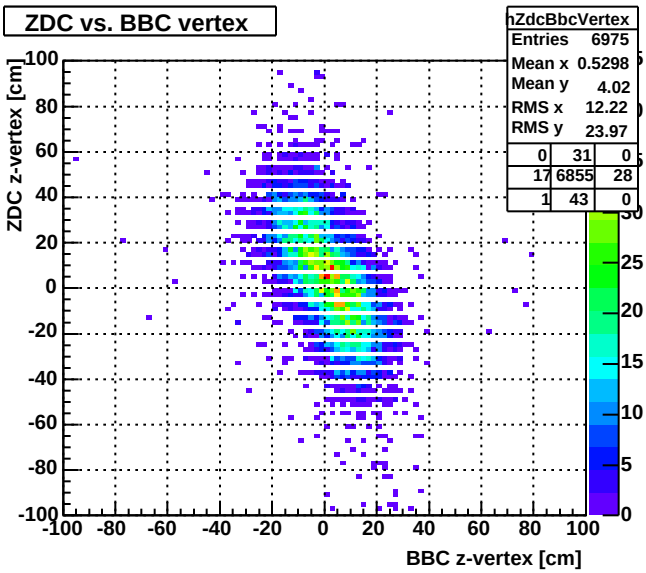

Tower Id1 3201-4800
hTowerId1c
Entries 2047
Mean 4091
RMS 477.6
Underflow 0
Overflow 0
softId

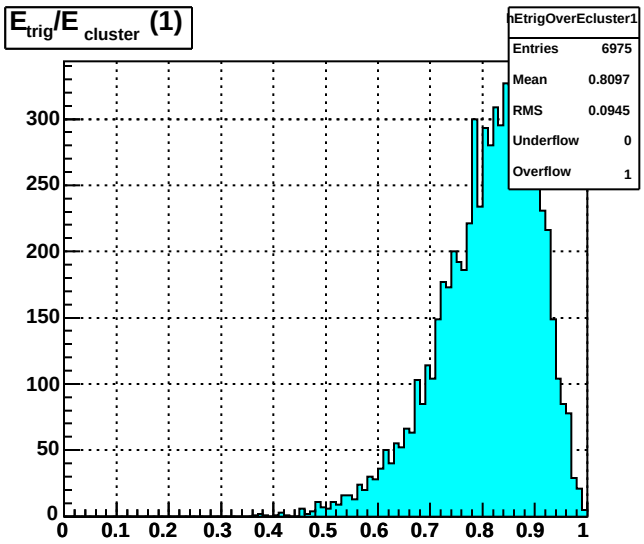

Tower Id2 3201-4800
hTowerId2c
Entries 2371
Mean 4003
RMS 466.6
Underflow 0
Overflow 0
softId

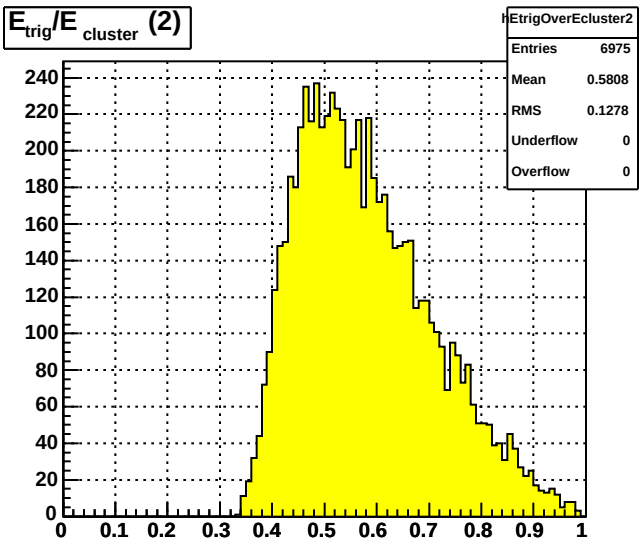

VPD vertex
hVpdVertex
Entries 6975
Mean -13.81
RMS 18.54
Underflow 2
Overflow 1
χ² / ndf 980.1 / 44
Constant 292.1 ± 4.3
Mean -11.65 ± 0.24
Sigma 16.7 ± 0.1
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6975
Mean 0.5767
RMS 12.3
Underflow 18
Overflow 28
χ² / ndf 96.8 / 52
Constant 462.9 ± 6.8
Mean 1.453 ± 0.145
Sigma 11.78 ± 0.10
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6975
Mean x -13.78
Mean y 4.05
RMS x 18.44
RMS y 23.97
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6975
Mean x 0.5298
Mean y 4.02
RMS x 12.22
RMS y 23.97
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6975
Mean 0.8097
RMS 0.0945
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6975
Mean 0.5808
RMS 0.1278
Underflow 0
Overflow 0