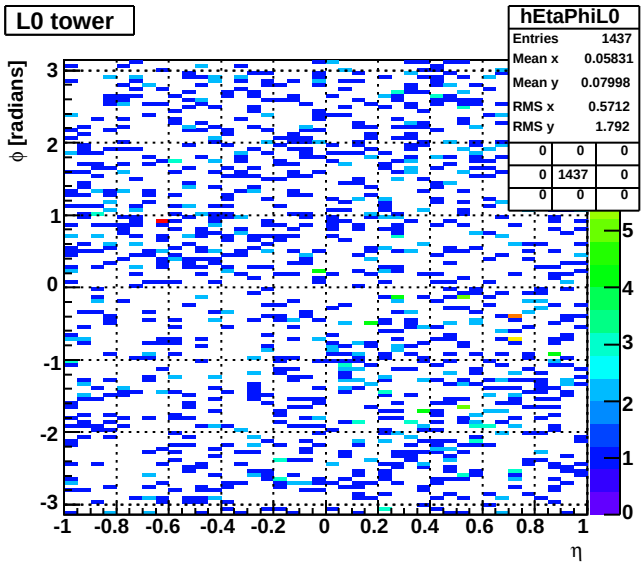
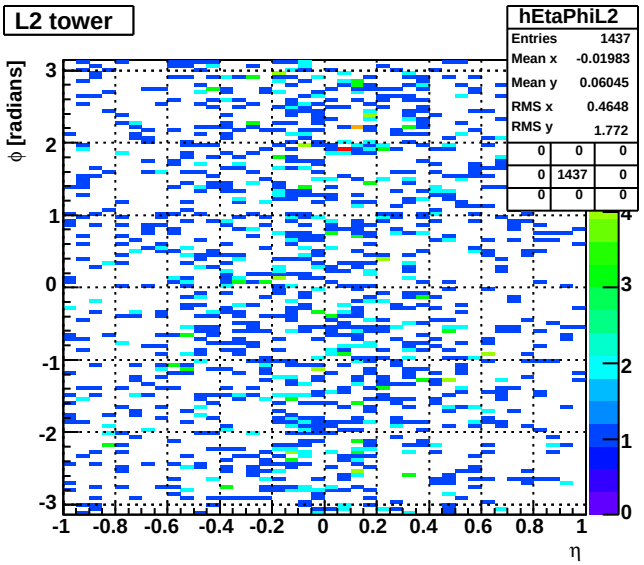
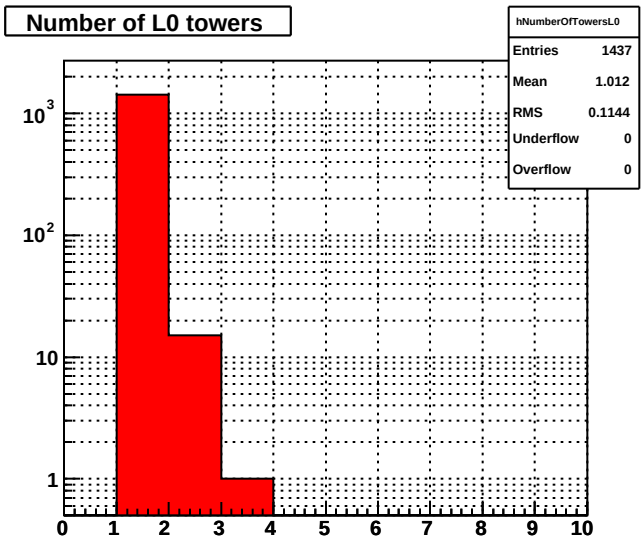
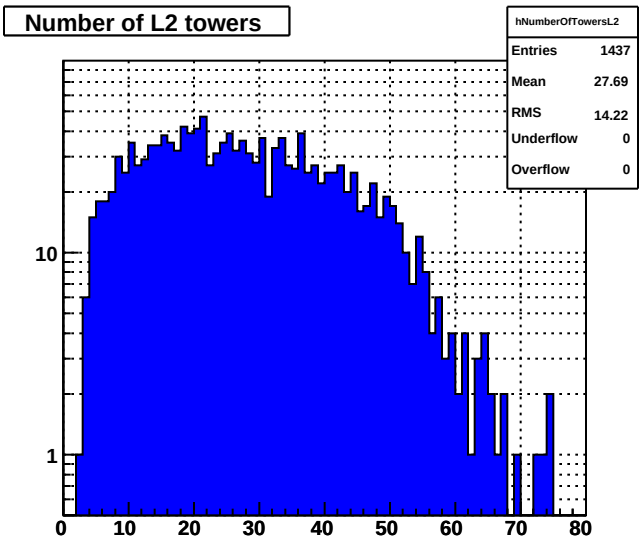
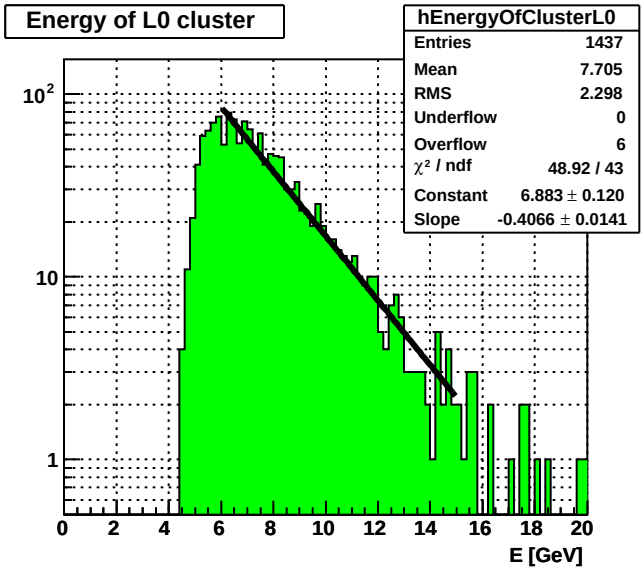
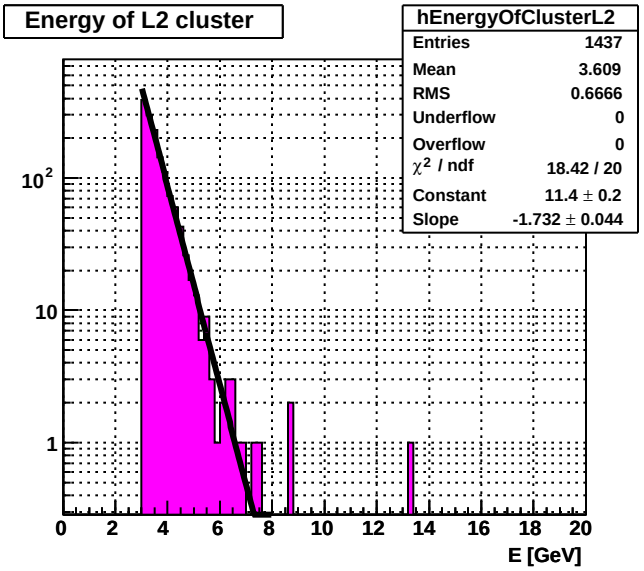

L0 tower
hEtaPhiL0
Entries 1437
Mean x 0.05831
Mean y 0.07998
RMS x 0.5712
RMS y 1.792
φ [radians]
η

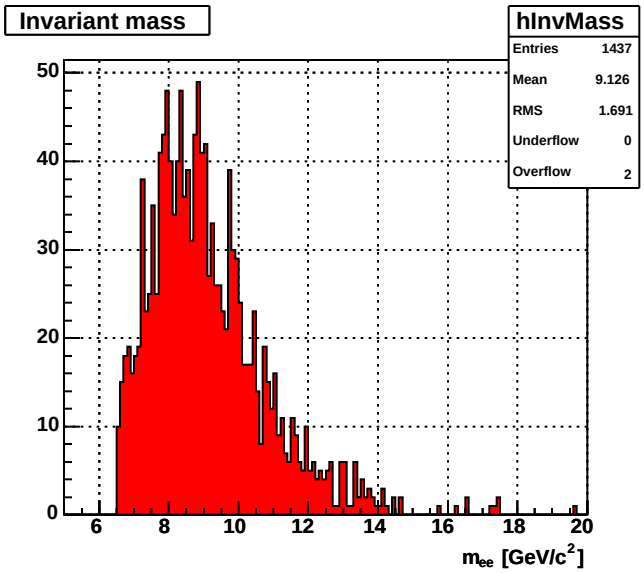

L2 tower
hEtaPhiL2
Entries 1437
Mean x -0.01983
Mean y 0.06045
RMS x 0.4648
RMS y 1.772
φ [radians]
η

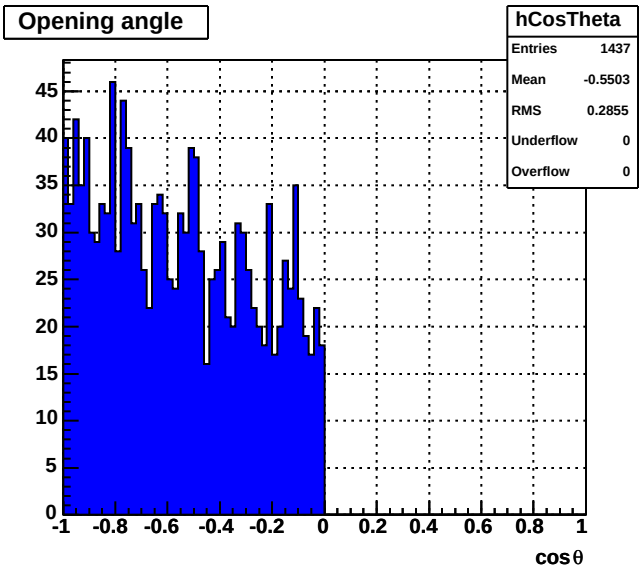

Number of L0 towers
hNumberOfTowersL0
Entries 1437
Mean 1.012
RMS 0.1144
Underflow 0
Overflow 0

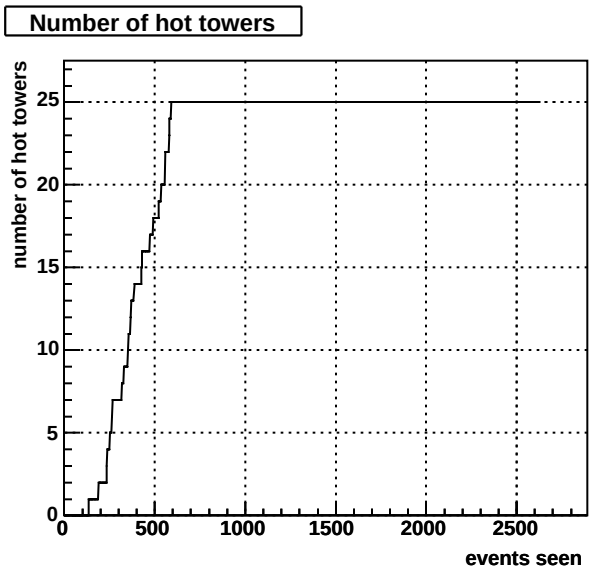

Number of L2 towers
hNumberOfTowersL2
Entries 1437
Mean 27.69
RMS 14.22
Underflow 0
Overflow 0

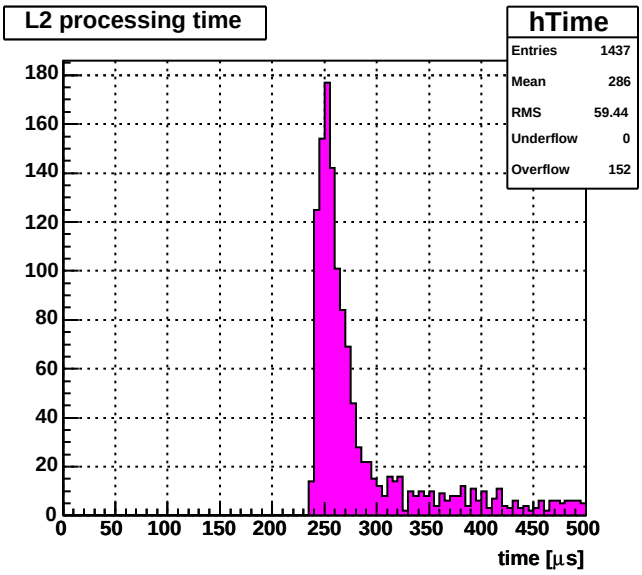

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1437
Mean 7.705
RMS 2.298
Underflow 0
Overflow 6
χ² / ndf 48.92 / 43
Constant 6.883 ± 0.120
Slope -0.4066 ± 0.0141
E [GeV]

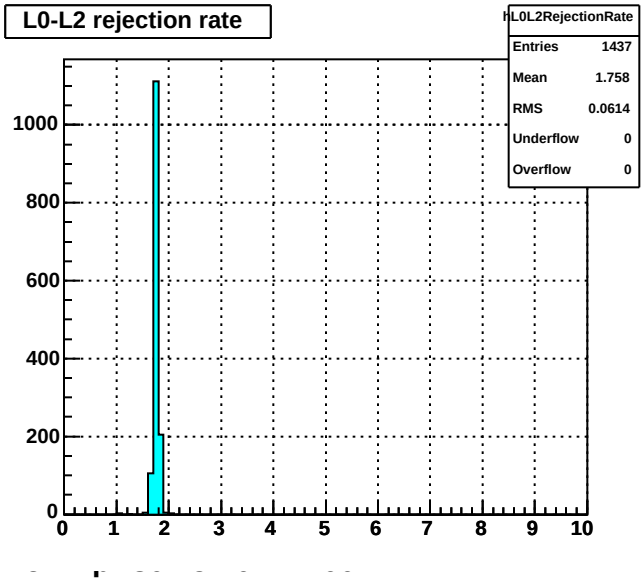

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1437
Mean 3.609
RMS 0.6666
Underflow 0
Overflow 0
χ² / ndf 18.42 / 20
Constant 11.4 ± 0.2
Slope -1.732 ± 0.044
E [GeV]

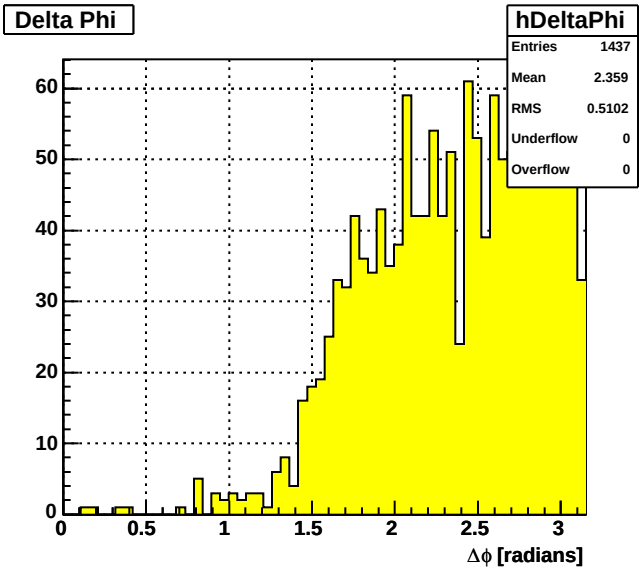

Invariant mass
hInvMass
Entries 1437
Mean 9.126
RMS 1.691
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

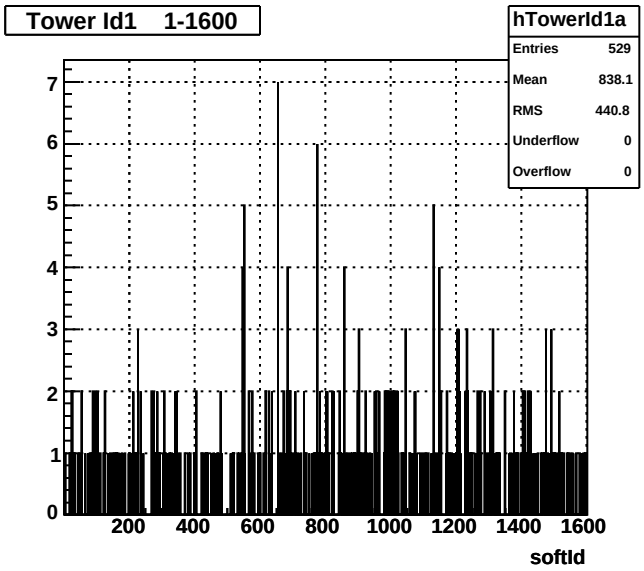

Opening angle
hCosTheta
Entries 1437
Mean -0.5503
RMS 0.2855
Underflow 0
Overflow 0
cos θ

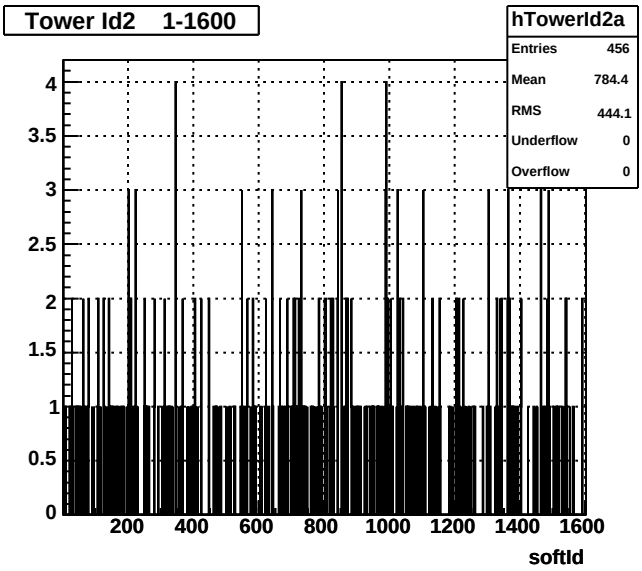

Number of hot towers
number of hot towers
events seen

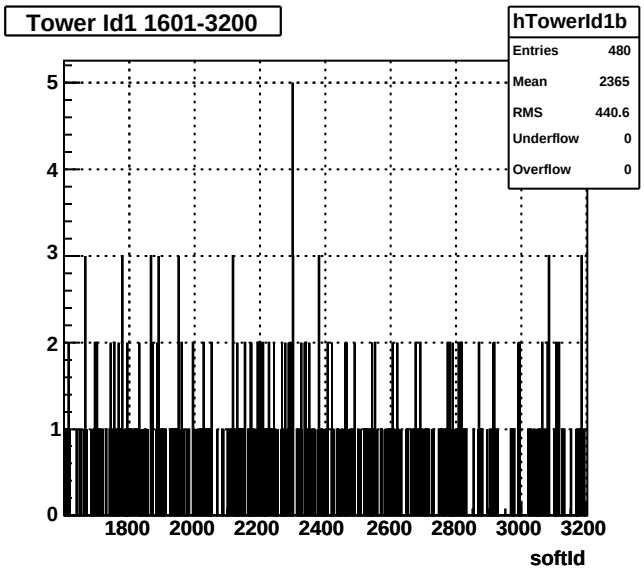

L2 processing time
hTime
Entries 1437
Mean 286
RMS 59.44
Underflow 0
Overflow 152
time [μs]

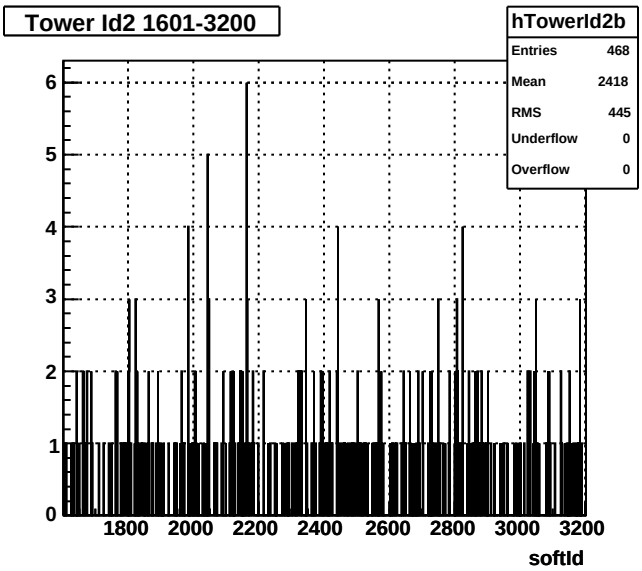

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1437
Mean 1.758
RMS 0.0614
Underflow 0
Overflow 0

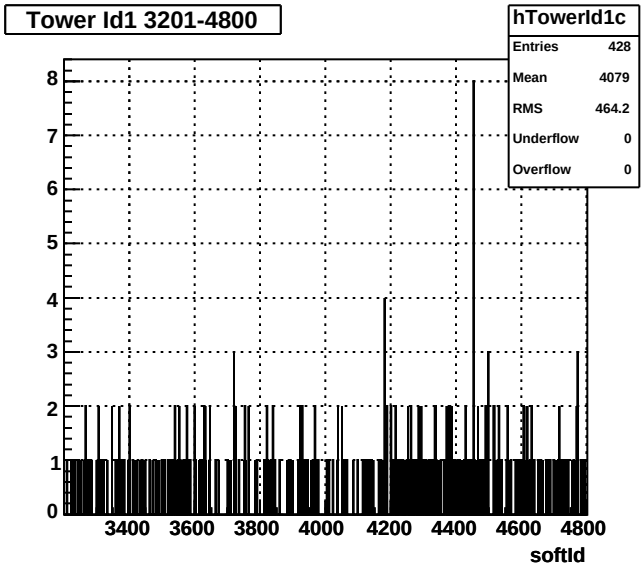

Delta Phi
hDeltaPhi
Entries 1437
Mean 2.359
RMS 0.5102
Underflow 0
Overflow 0
Δφ [radians]

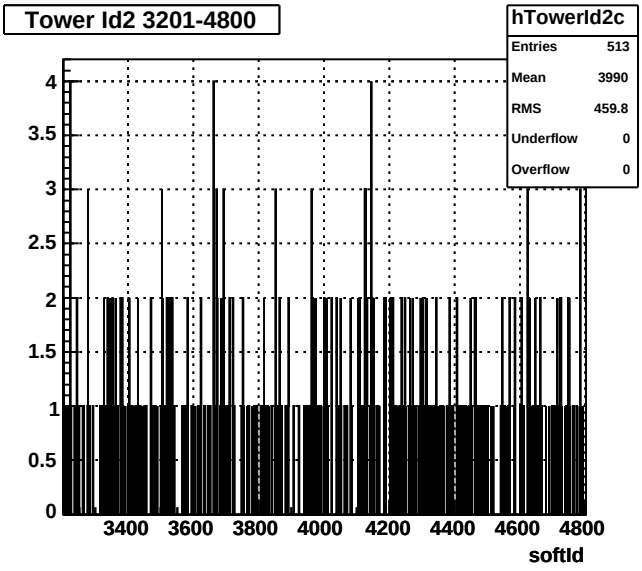

Tower Id1 1-1600
hTowerId1a
Entries 529
Mean 838.1
RMS 440.8
Underflow 0
Overflow 0
softId

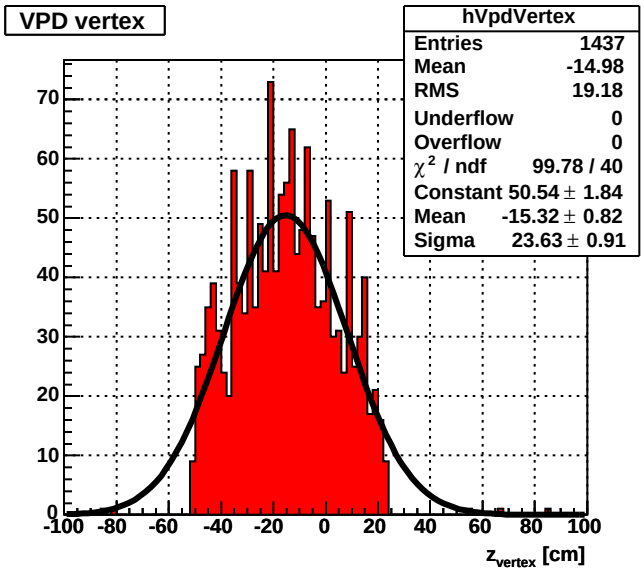

Tower Id2 1-1600
hTowerId2a
Entries 456
Mean 784.4
RMS 444.1
Underflow 0
Overflow 0
softId

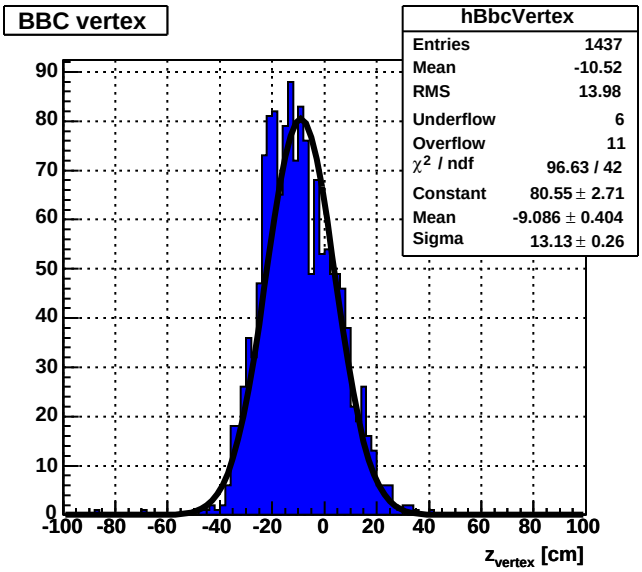

Tower Id1 1601-3200
hTowerId1b
Entries 480
Mean 2365
RMS 440.6
Underflow 0
Overflow 0
softId

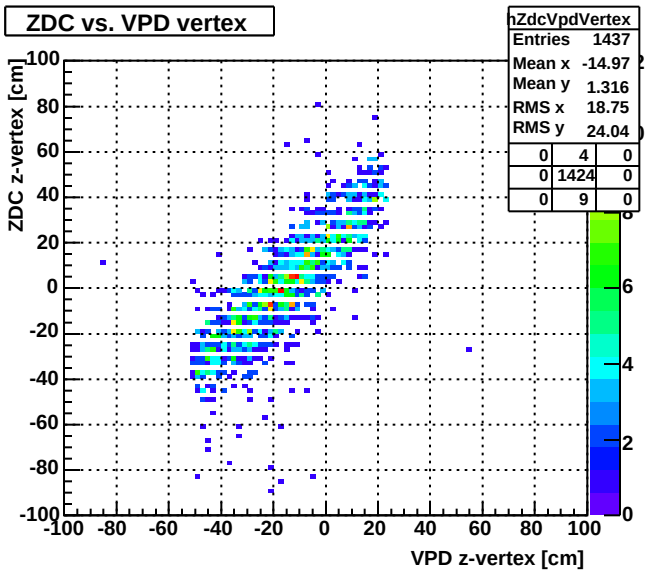

Tower Id2 1601-3200
hTowerId2b
Entries 468
Mean 2418
RMS 445
Underflow 0
Overflow 0
softId

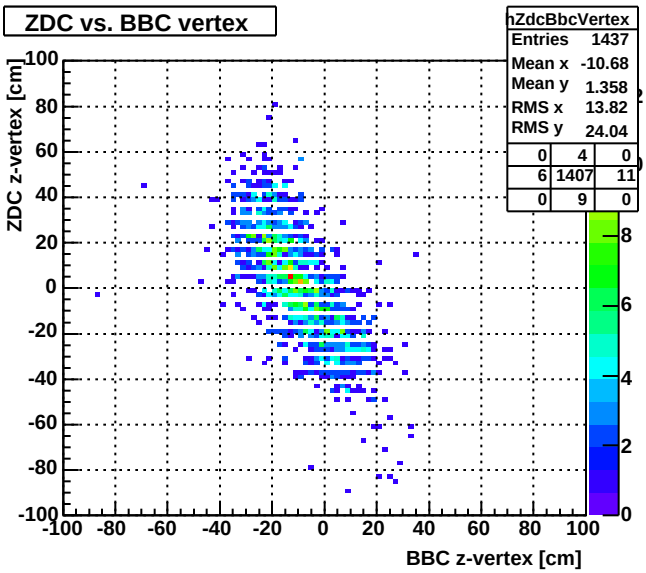

Tower Id1 3201-4800
hTowerId1c
Entries 428
Mean 4079
RMS 464.2
Underflow 0
Overflow 0
softId

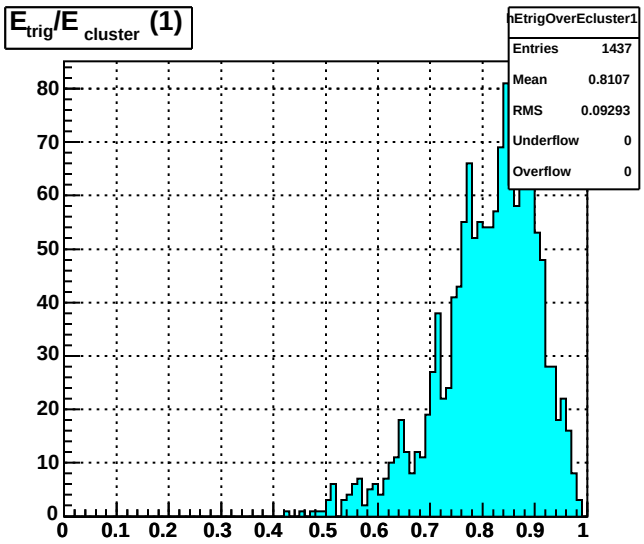

Tower Id2 3201-4800
hTowerId2c
Entries 513
Mean 3990
RMS 459.8
Underflow 0
Overflow 0
softId

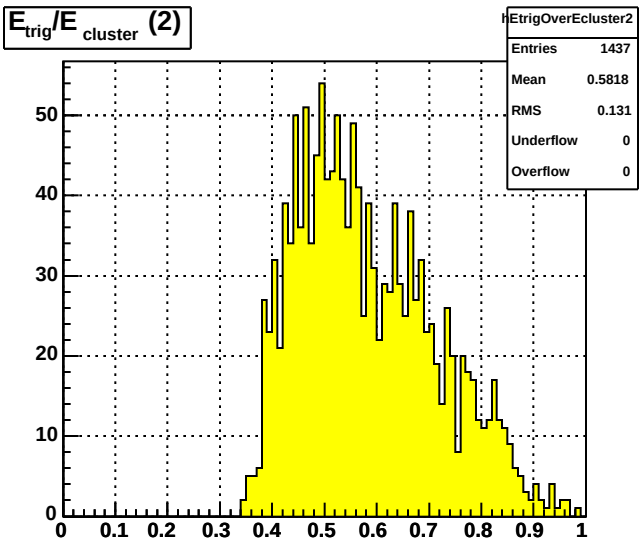

VPD vertex
hVpdVertex
Entries 1437
Mean -14.98
RMS 19.18
Underflow 0
Overflow 0
χ² / ndf 99.78 / 40
Constant 50.54 ± 1.84
Mean -15.32 ± 0.82
Sigma 23.63 ± 0.91
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1437
Mean -10.52
RMS 13.98
Underflow 6
Overflow 11
χ² / ndf 96.63 / 42
Constant 80.55 ± 2.71
Mean -9.086 ± 0.404
Sigma 13.13 ± 0.26
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1437
Mean x -14.97
Mean y 1.316
RMS x 18.75
RMS y 24.04
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1437
Mean x -10.68
Mean y 1.358
RMS x 13.82
RMS y 24.04
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1437
Mean 0.8107
RMS 0.09293
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1437
Mean 0.5818
RMS 0.131
Underflow 0
Overflow 0