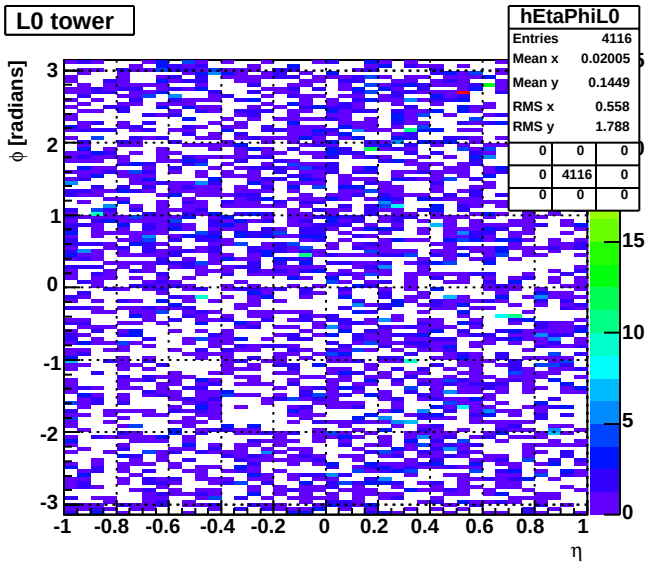
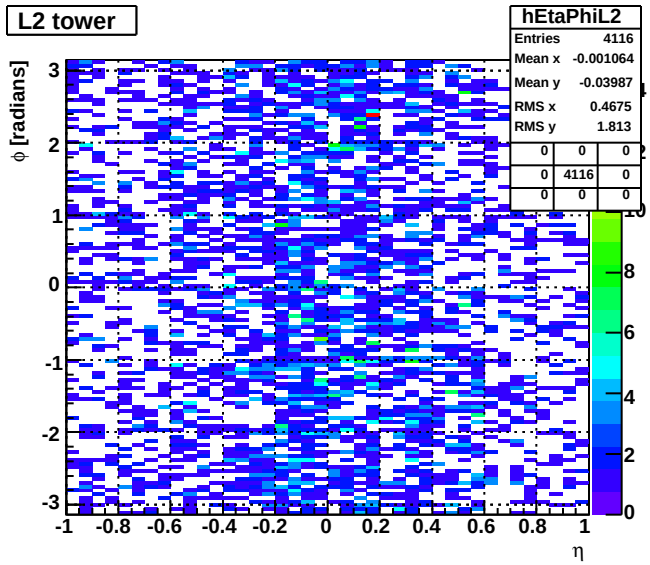
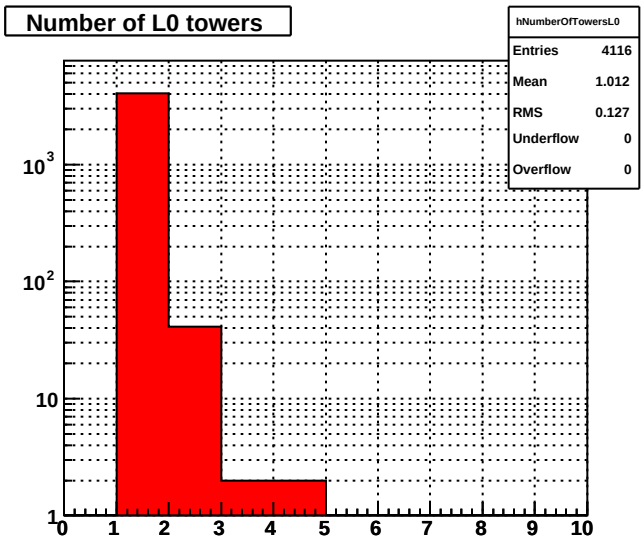
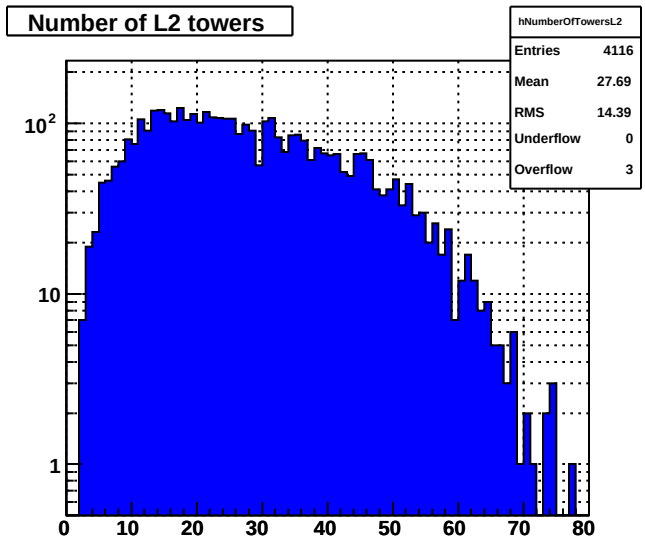
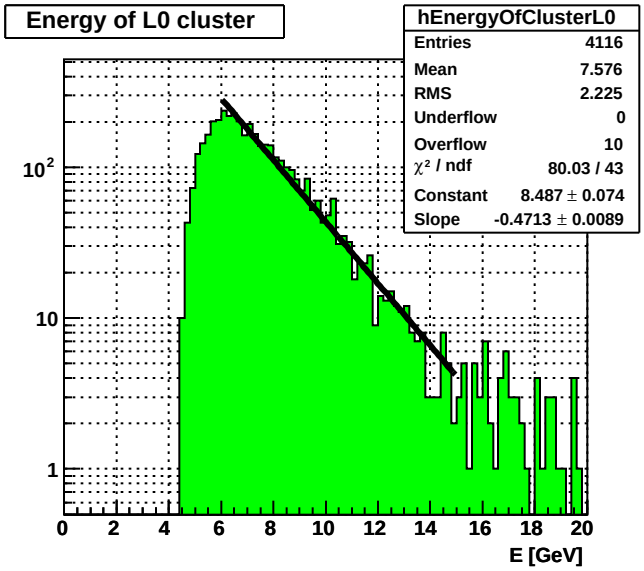
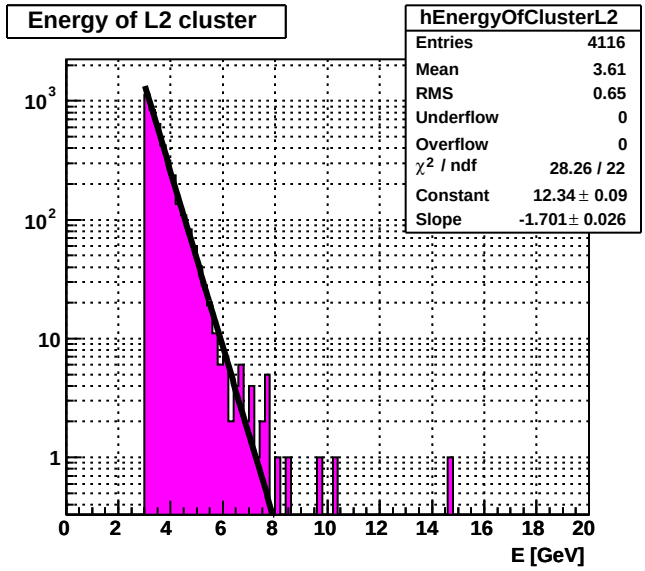

L0 tower
hEtaPhiL0
Entries 4116
Mean x 0.02005
Mean y 0.1449
RMS x 0.558
RMS y 1.788
φ [radians]
η

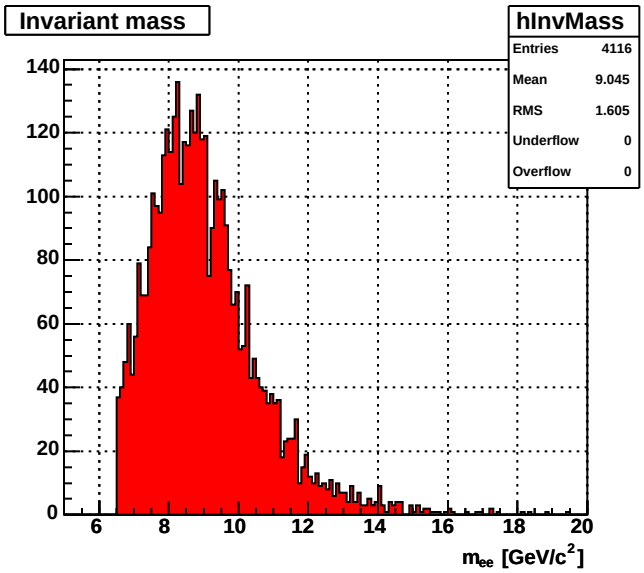

L2 tower
hEtaPhiL2
Entries 4116
Mean x -0.001064
Mean y -0.03987
RMS x 0.4675
RMS y 1.813
φ [radians]
η

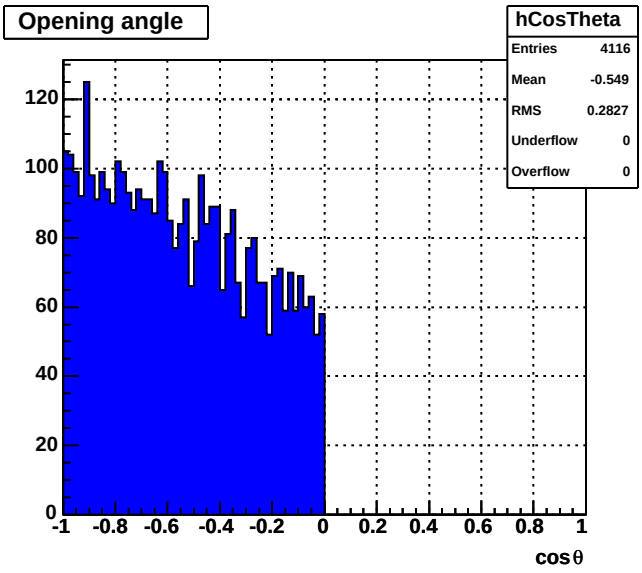

Number of L0 towers
hNumberOfTowersL0
Entries 4116
Mean 1.012
RMS 0.127
Underflow 0
Overflow 0

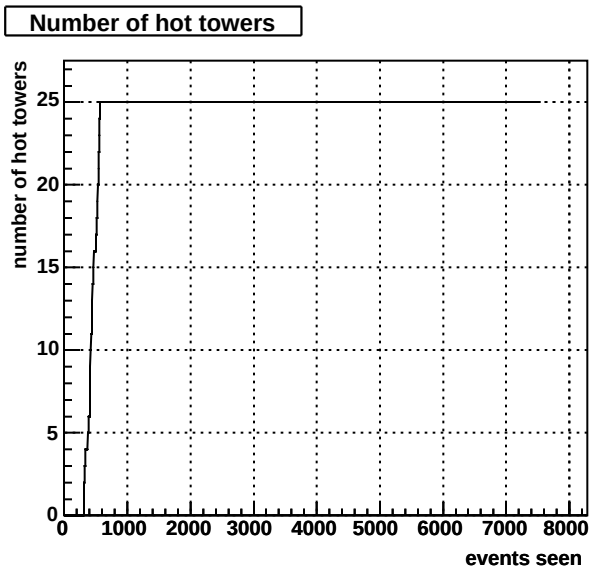

Number of L2 towers
hNumberOfTowersL2
Entries 4116
Mean 27.69
RMS 14.39
Underflow 0
Overflow 3

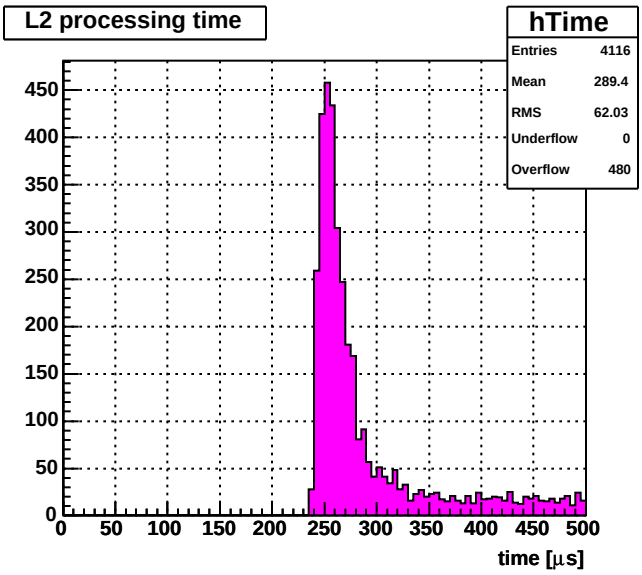

Energy of L0 cluster
hEnergyOfClusterL0
Entries 4116
Mean 7.576
RMS 2.225
Underflow 0
Overflow 10
χ² / ndf 80.03 / 43
Constant 8.487 ± 0.074
Slope -0.4713 ± 0.0089
E [GeV]

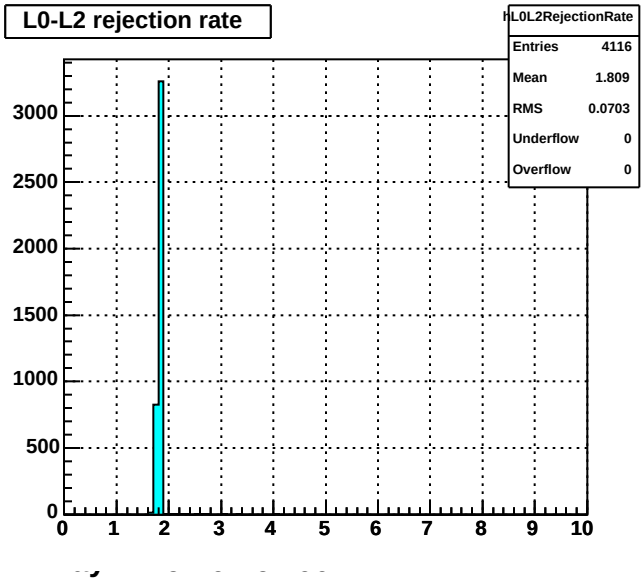

Energy of L2 cluster
hEnergyOfClusterL2
Entries 4116
Mean 3.61
RMS 0.65
Underflow 0
Overflow 0
χ² / ndf 28.26 / 22
Constant 12.34 ± 0.09
Slope -1.701 ± 0.026
E [GeV]

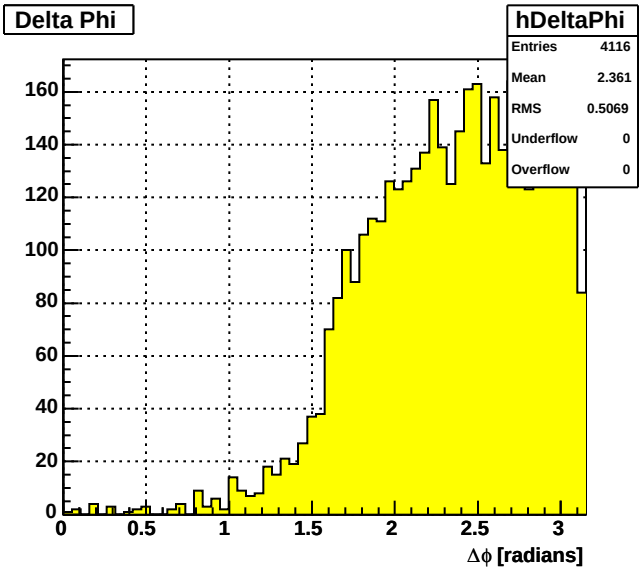

Invariant mass
hInvMass
Entries 4116
Mean 9.045
RMS 1.605
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

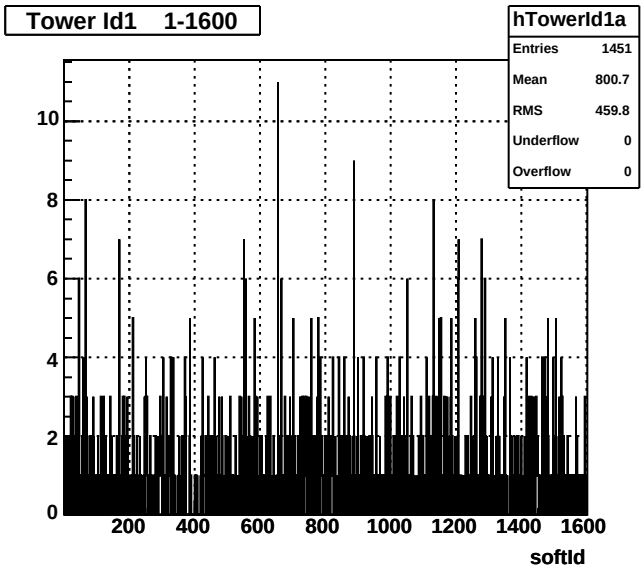

Opening angle
hCosTheta
Entries 4116
Mean -0.549
RMS 0.2827
Underflow 0
Overflow 0
cos θ

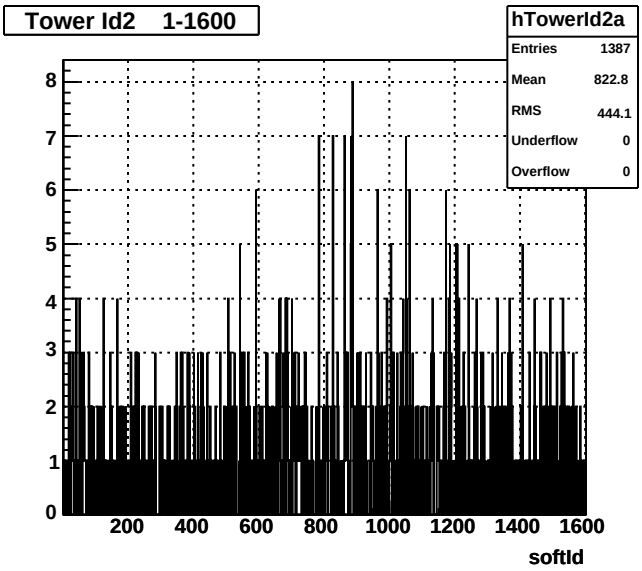

Number of hot towers
number of hot towers
events seen

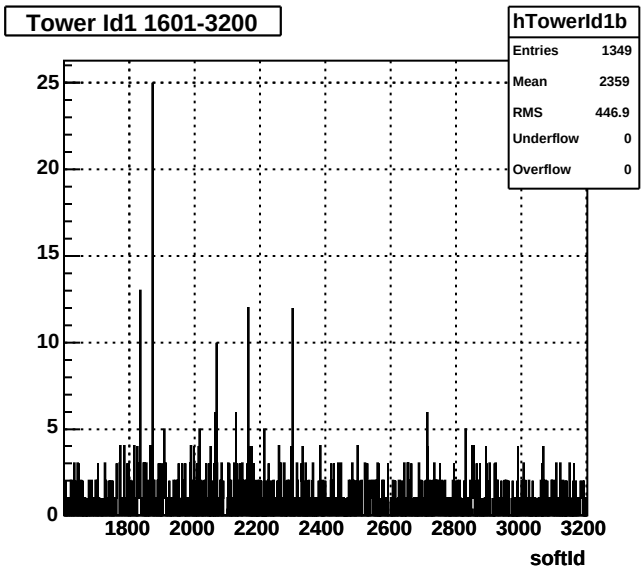

L2 processing time
hTime
Entries 4116
Mean 289.4
RMS 62.03
Underflow 0
Overflow 480
time [μs]

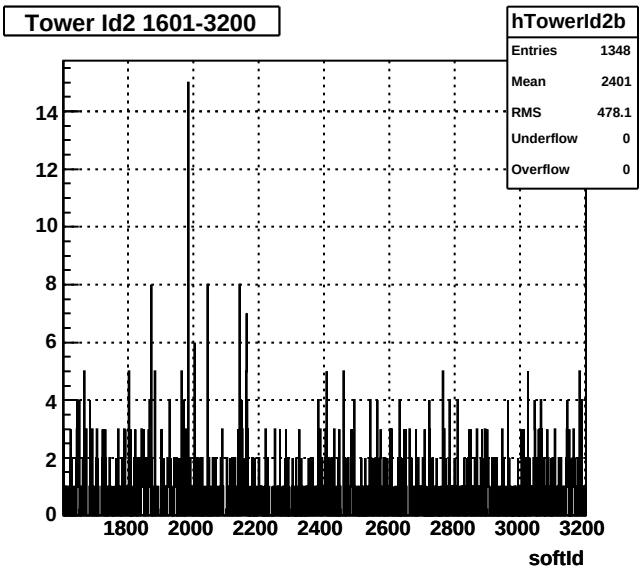

L0-L2 rejection rate
hL0L2RejectionRate
Entries 4116
Mean 1.809
RMS 0.0703
Underflow 0
Overflow 0

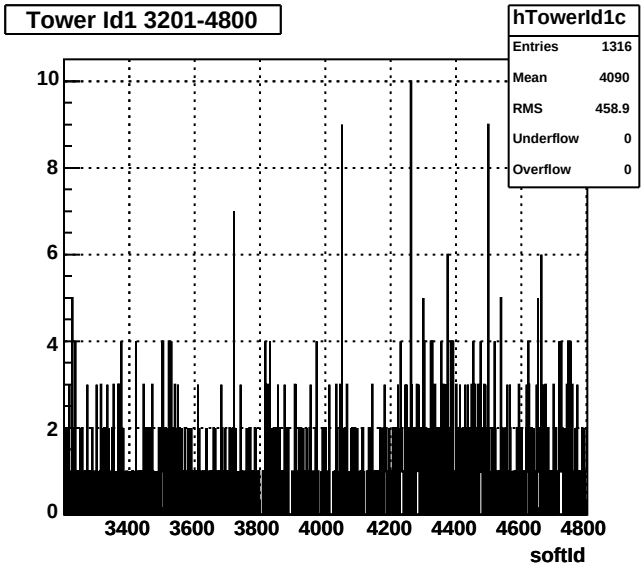

Delta Phi
hDeltaPhi
Entries 4116
Mean 2.361
RMS 0.5069
Underflow 0
Overflow 0
Δφ [radians]

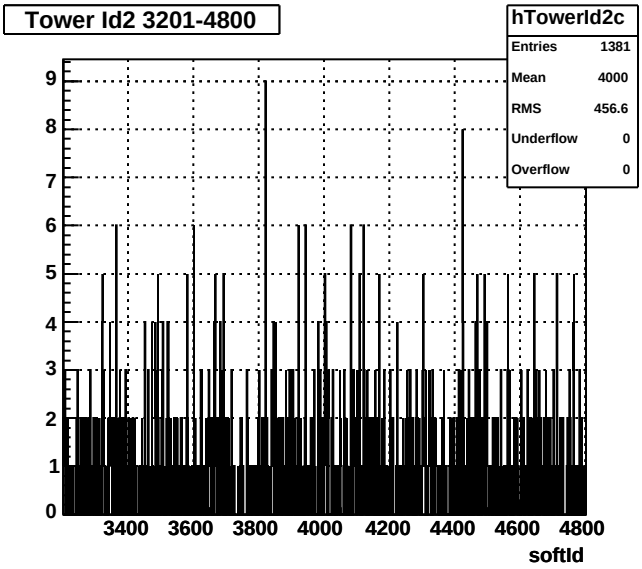

Tower Id1 1-1600
hTowerId1a
Entries 1451
Mean 800.7
RMS 459.8
Underflow 0
Overflow 0
softId

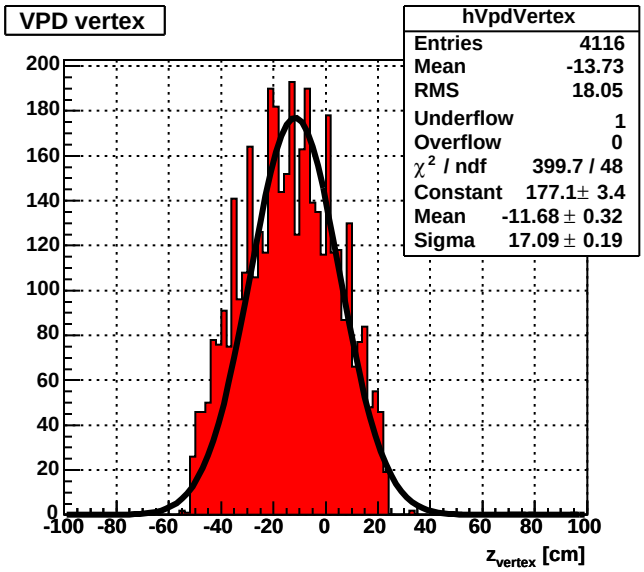

Tower Id2 1-1600
hTowerId2a
Entries 1387
Mean 822.8
RMS 444.1
Underflow 0
Overflow 0
softId

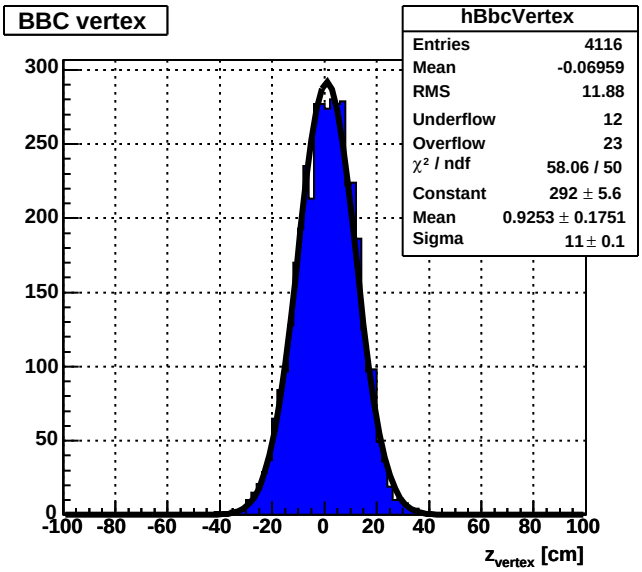

Tower Id1 1601-3200
hTowerId1b
Entries 1349
Mean 2359
RMS 446.9
Underflow 0
Overflow 0
softId

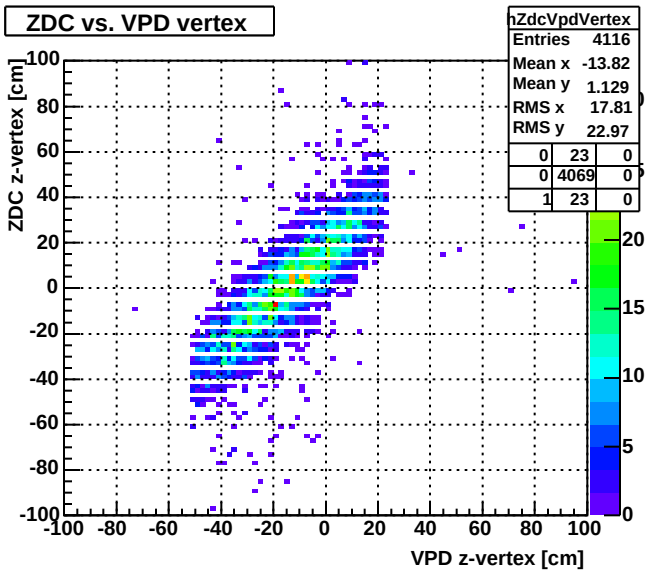

Tower Id2 1601-3200
hTowerId2b
Entries 1348
Mean 2401
RMS 478.1
Underflow 0
Overflow 0
softId

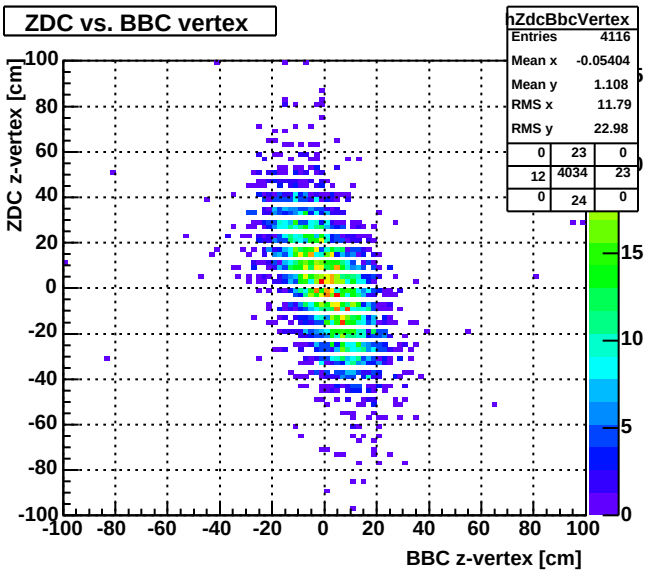

Tower Id1 3201-4800
hTowerId1c
Entries 1316
Mean 4090
RMS 458.9
Underflow 0
Overflow 0
softId

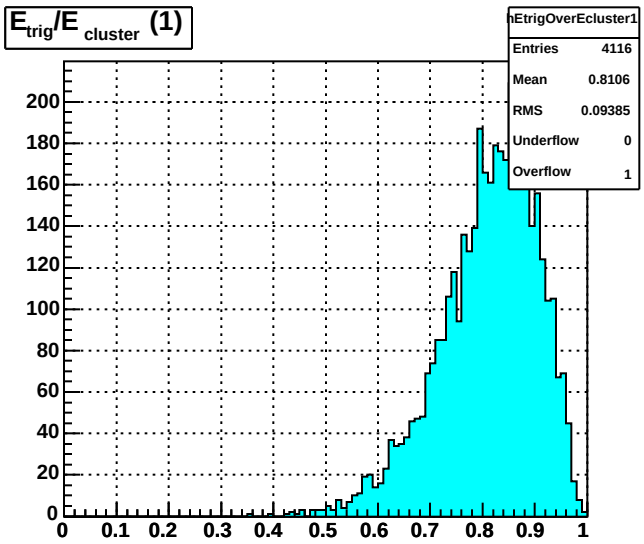

Tower Id2 3201-4800
hTowerId2c
Entries 1381
Mean 4000
RMS 456.6
Underflow 0
Overflow 0
softId

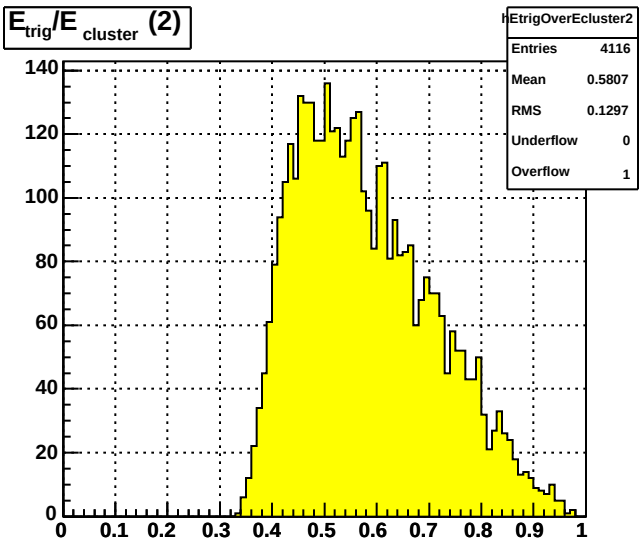

VPD vertex
hVpdVertex
Entries 4116
Mean -13.73
RMS 18.05
Underflow 1
Overflow 0
χ² / ndf 399.7 / 48
Constant 177.1 ± 3.4
Mean -11.68 ± 0.32
Sigma 17.09 ± 0.19
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 4116
Mean -0.06959
RMS 11.88
Underflow 12
Overflow 23
χ² / ndf 58.06 / 50
Constant 292 ± 5.6
Mean 0.9253 ± 0.1751
Sigma 11 ± 0.1
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 4116
Mean x -13.82
Mean y 1.129
RMS x 17.81
RMS y 22.97
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 4116
Mean x -0.05404
Mean y 1.108
RMS x 11.79
RMS y 22.98
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 4116
Mean 0.8106
RMS 0.09385
Underflow 0
Overflow 1


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 4116
Mean 0.5807
RMS 0.1297
Underflow 0
Overflow 1