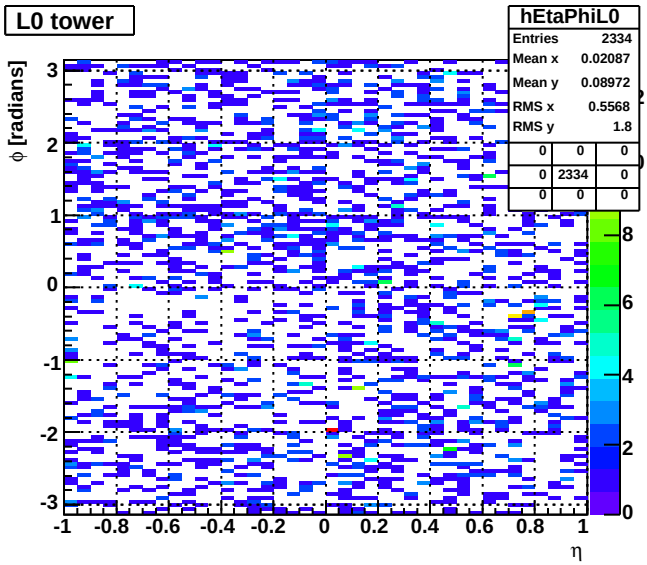
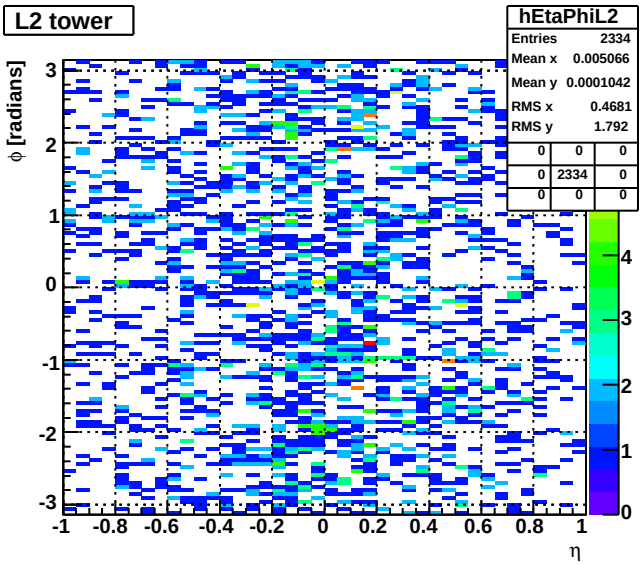
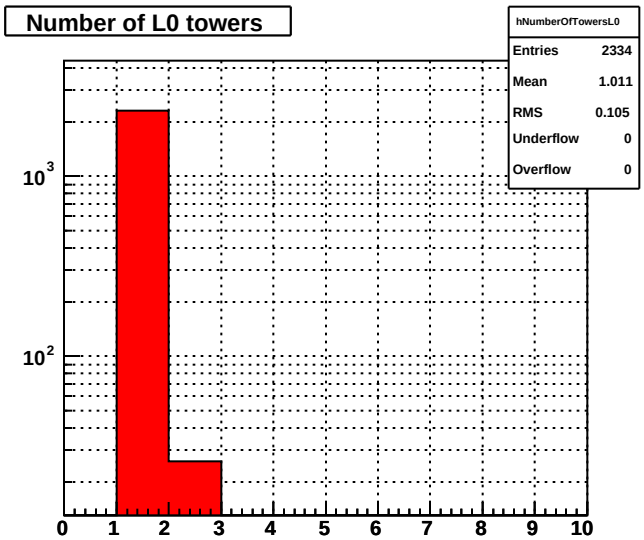
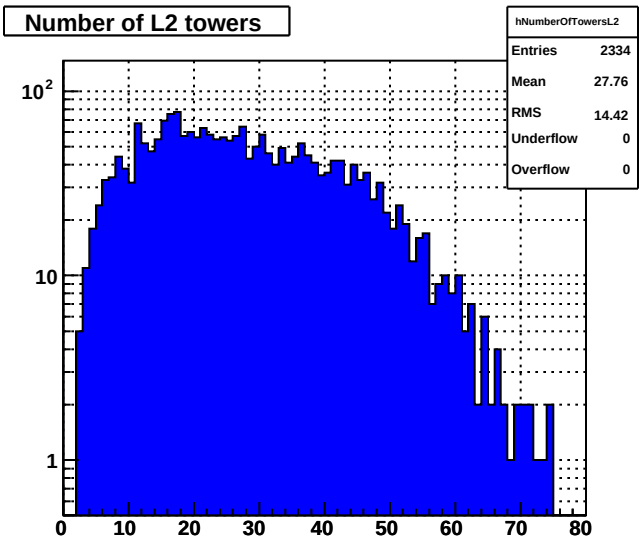
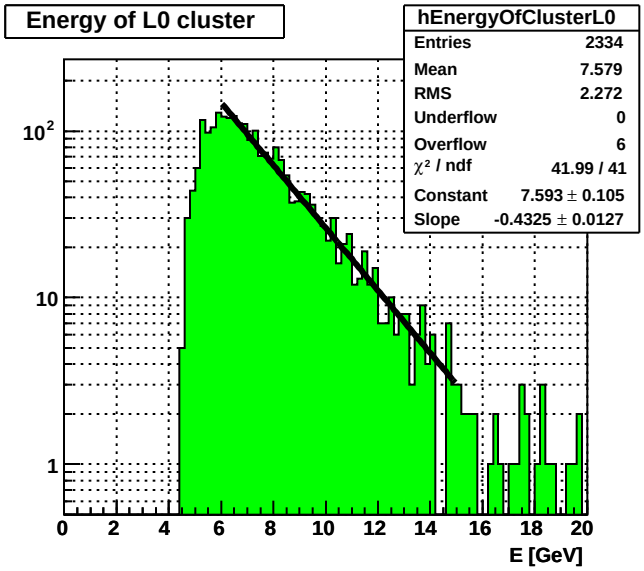
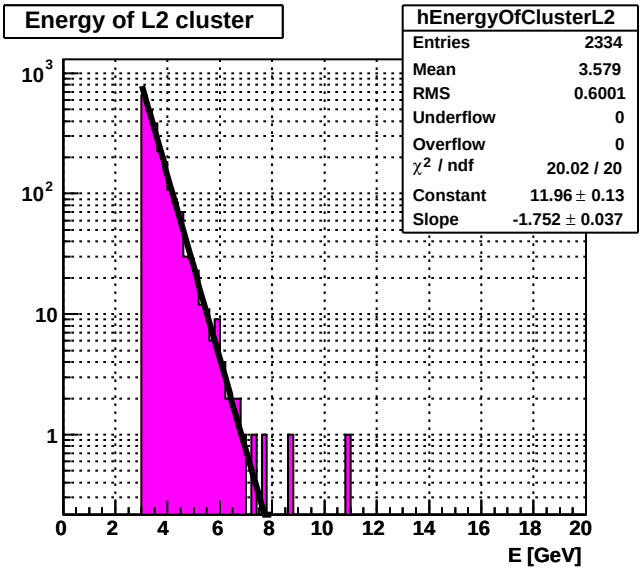

L0 tower
hEtaPhiL0
Entries 2334
Mean x 0.02087
Mean y 0.08972
RMS x 0.5568
RMS y 1.8
φ [radians]
η

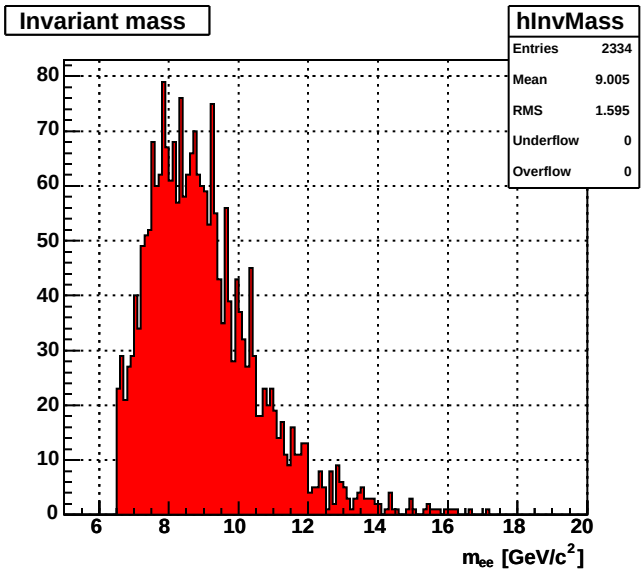

L2 tower
hEtaPhiL2
Entries 2334
Mean x 0.005066
Mean y 0.0001042
RMS x 0.4681
RMS y 1.792
φ [radians]
η

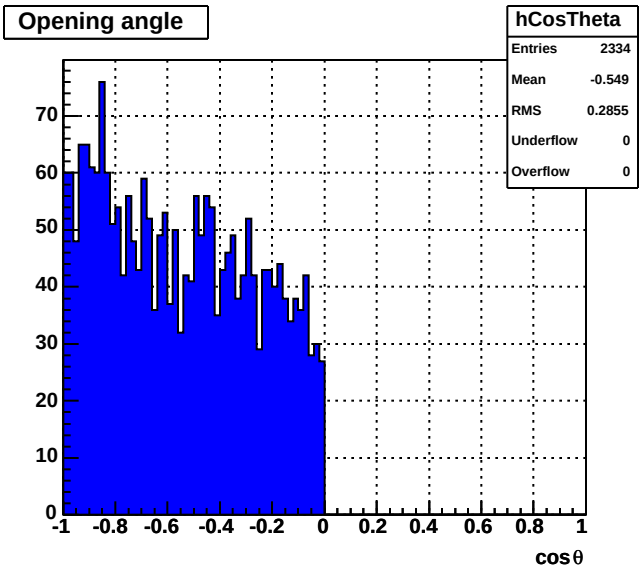

Number of L0 towers
hNumberOfTowersL0
Entries 2334
Mean 1.011
RMS 0.105
Underflow 0
Overflow 0

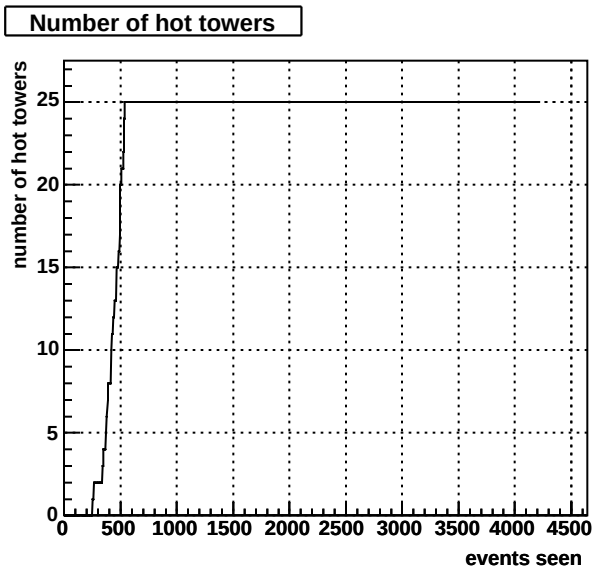

Number of L2 towers
hNumberOfTowersL2
Entries 2334
Mean 27.76
RMS 14.42
Underflow 0
Overflow 0

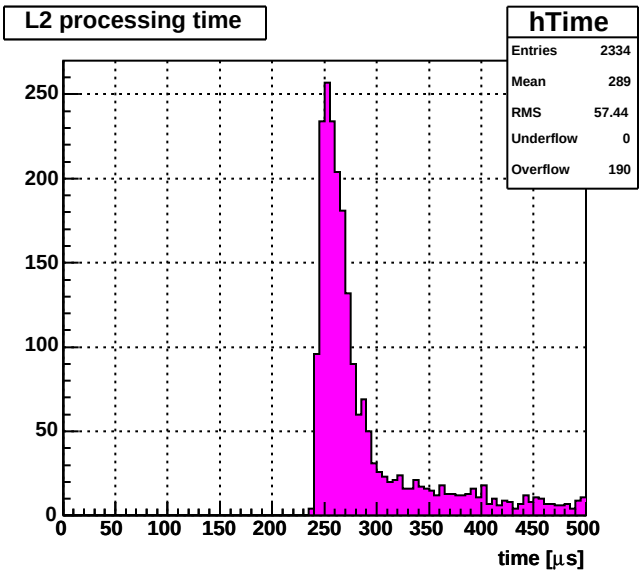

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2334
Mean 7.579
RMS 2.272
Underflow 0
Overflow 6
χ² / ndf 41.99 / 41
Constant 7.593 ± 0.105
Slope -0.4325 ± 0.0127
E [GeV]

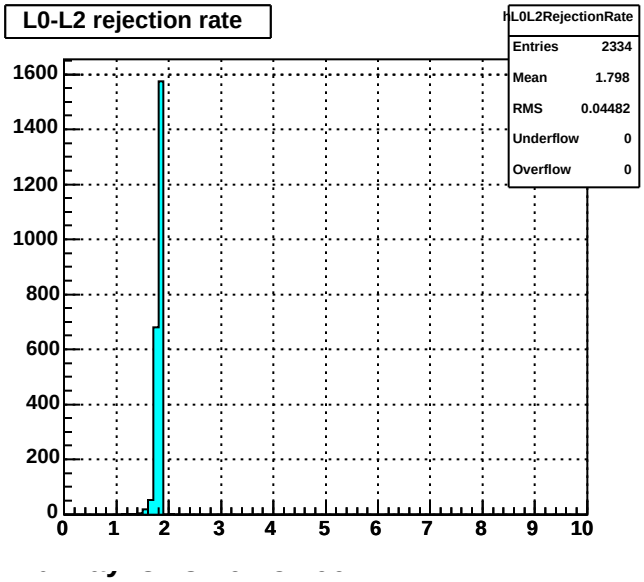

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2334
Mean 3.579
RMS 0.6001
Underflow 0
Overflow 0
χ² / ndf 20.02 / 20
Constant 11.96 ± 0.13
Slope -1.752 ± 0.037
E [GeV]

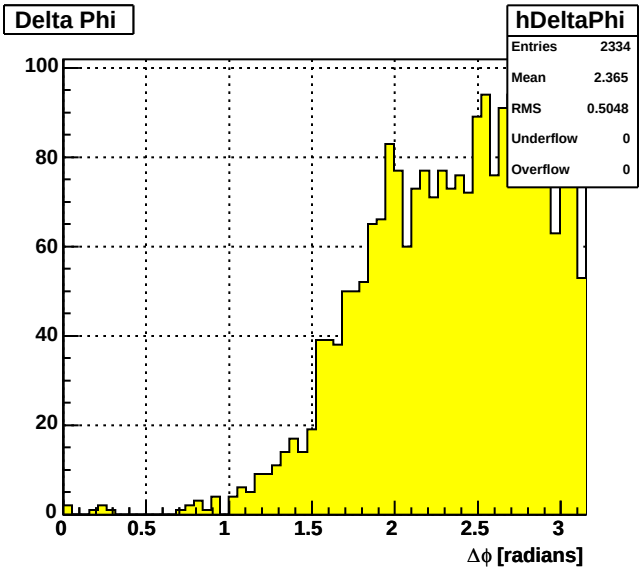

Invariant mass
hInvMass
Entries 2334
Mean 9.005
RMS 1.595
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

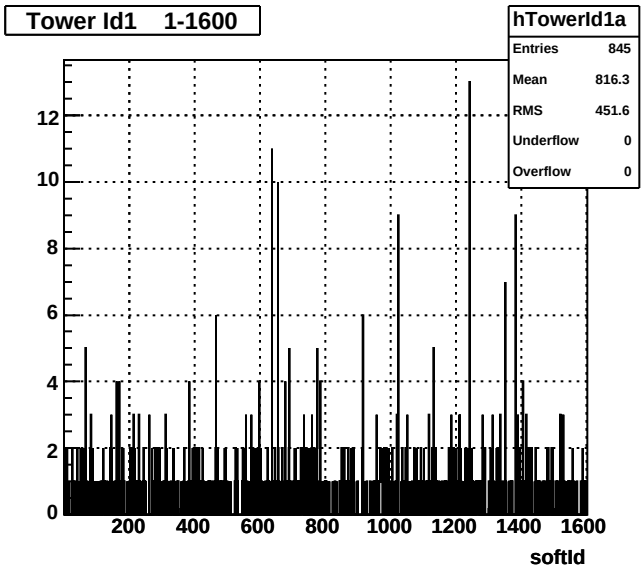

Opening angle
hCosTheta
Entries 2334
Mean -0.549
RMS 0.2855
Underflow 0
Overflow 0
cos θ

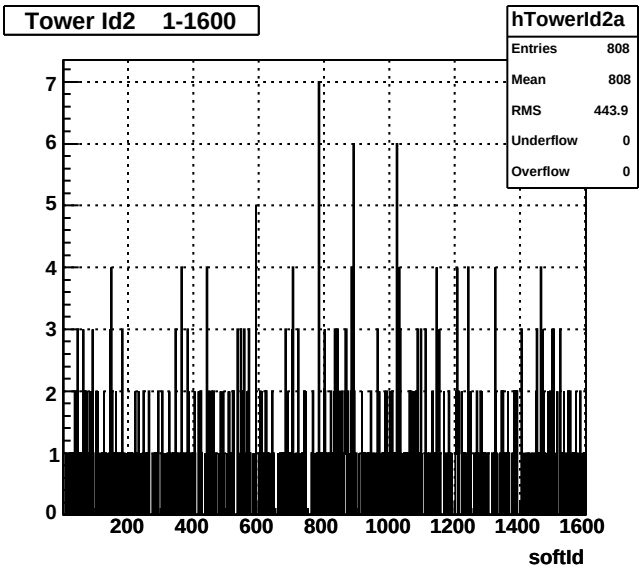

Number of hot towers
number of hot towers
events seen

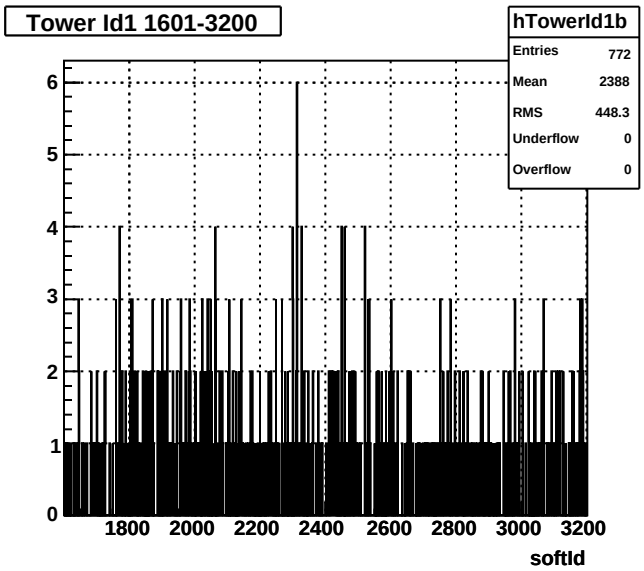

L2 processing time
hTime
Entries 2334
Mean 289
RMS 57.44
Underflow 0
Overflow 190
time [μs]

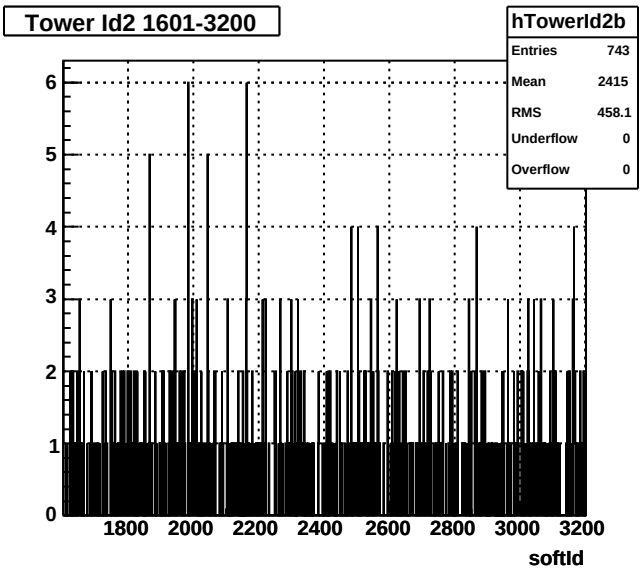

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2334
Mean 1.798
RMS 0.04482
Underflow 0
Overflow 0

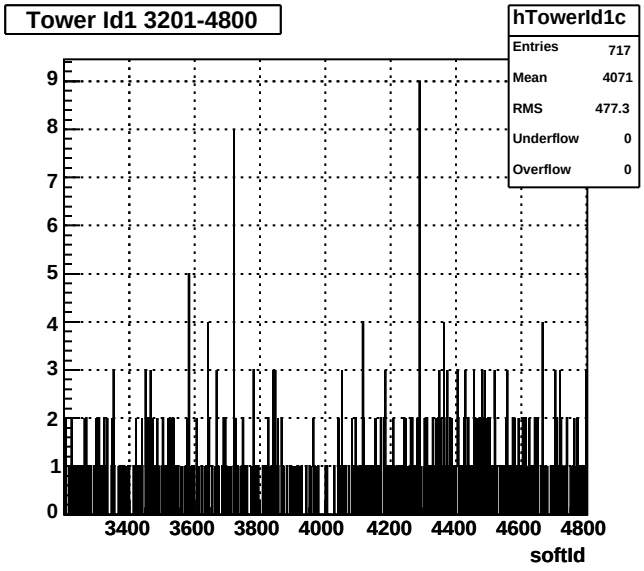

Delta Phi
hDeltaPhi
Entries 2334
Mean 2.365
RMS 0.5048
Underflow 0
Overflow 0
Δφ [radians]

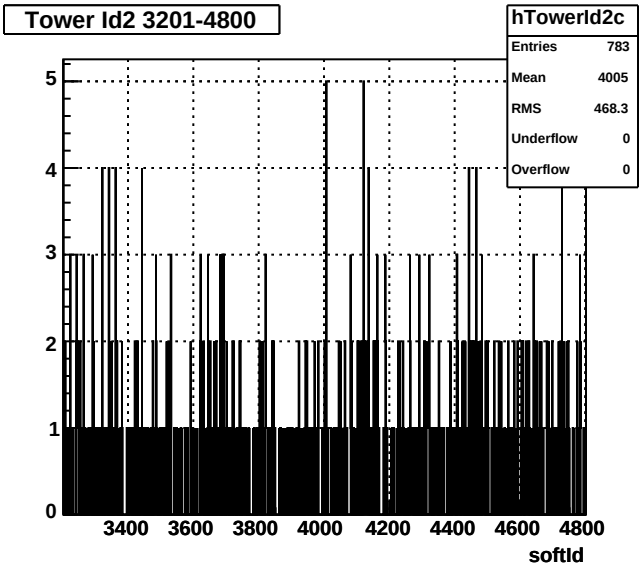

Tower Id1 1-1600
hTowerId1a
Entries 845
Mean 816.3
RMS 451.6
Underflow 0
Overflow 0
softId

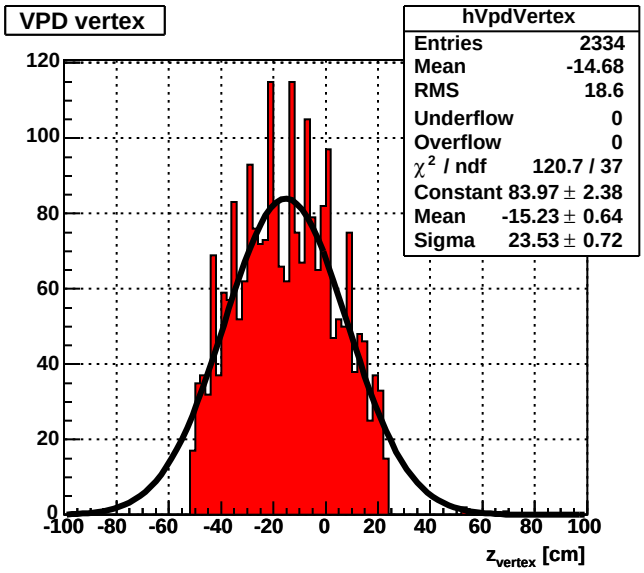

Tower Id2 1-1600
hTowerId2a
Entries 808
Mean 808
RMS 443.9
Underflow 0
Overflow 0
softId

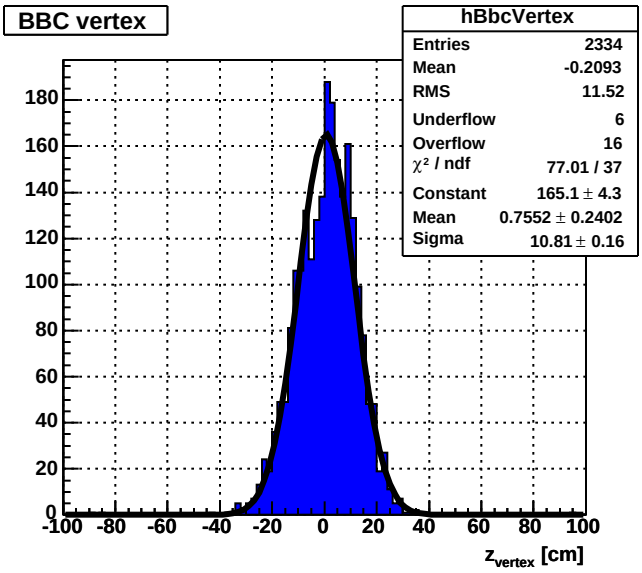

Tower Id1 1601-3200
hTowerId1b
Entries 772
Mean 2388
RMS 448.3
Underflow 0
Overflow 0
softId

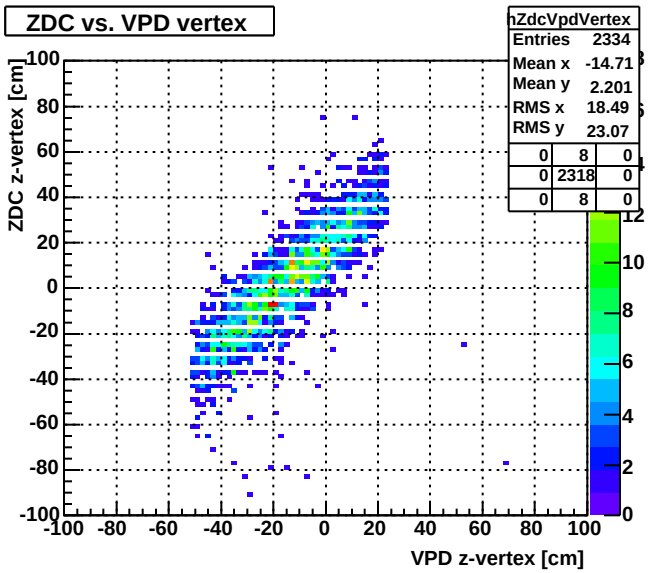

Tower Id2 1601-3200
hTowerId2b
Entries 743
Mean 2415
RMS 458.1
Underflow 0
Overflow 0
softId

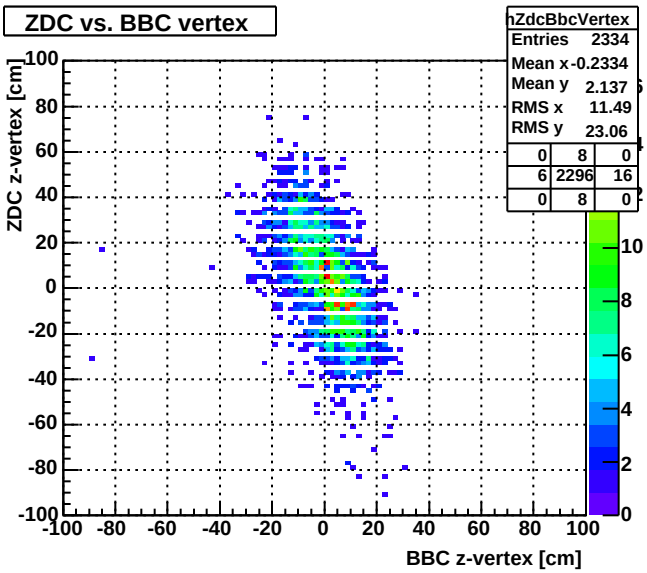

Tower Id1 3201-4800
hTowerId1c
Entries 717
Mean 4071
RMS 477.3
Underflow 0
Overflow 0
softId

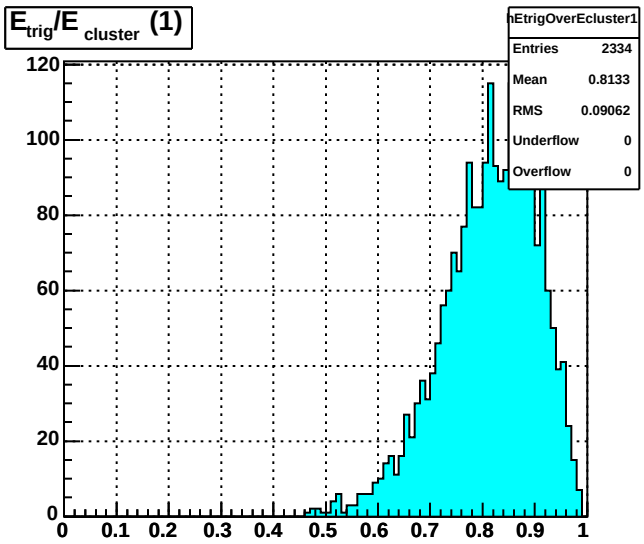

Tower Id2 3201-4800
hTowerId2c
Entries 783
Mean 4005
RMS 468.3
Underflow 0
Overflow 0
softId

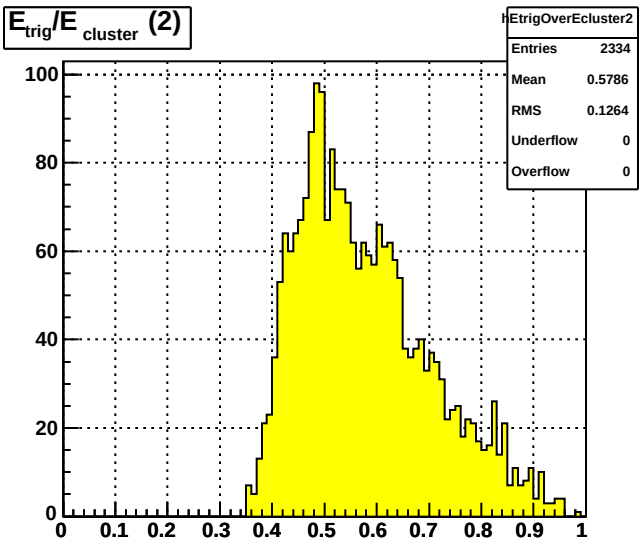

VPD vertex
hVpdVertex
Entries 2334
Mean -14.68
RMS 18.6
Underflow 0
Overflow 0
χ² / ndf 120.7 / 37
Constant 83.97 ± 2.38
Mean -15.23 ± 0.64
Sigma 23.53 ± 0.72
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2334
Mean -0.2093
RMS 11.52
Underflow 6
Overflow 16
χ² / ndf 77.01 / 37
Constant 165.1 ± 4.3
Mean 0.7552 ± 0.2402
Sigma 10.81 ± 0.16
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2334
Mean x -14.71
Mean y 2.201
RMS x 18.49
RMS y 23.07
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2334
Mean x -0.2334
Mean y 2.137
RMS x 11.49
RMS y 23.06
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2334
Mean 0.8133
RMS 0.09062
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2334
Mean 0.5786
RMS 0.1264
Underflow 0
Overflow 0