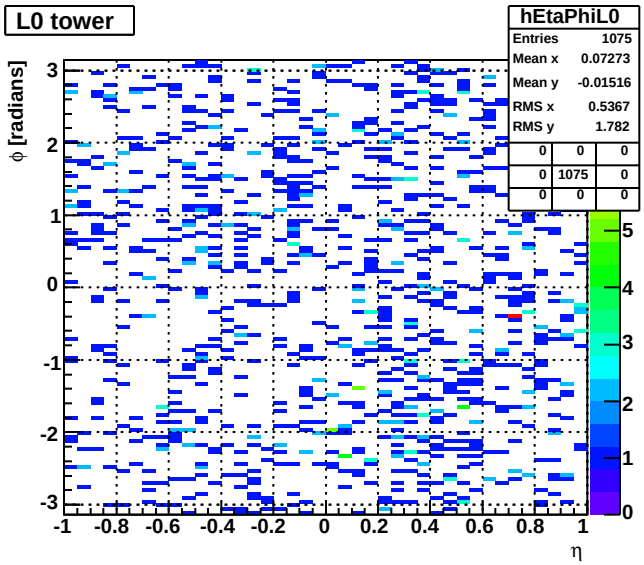
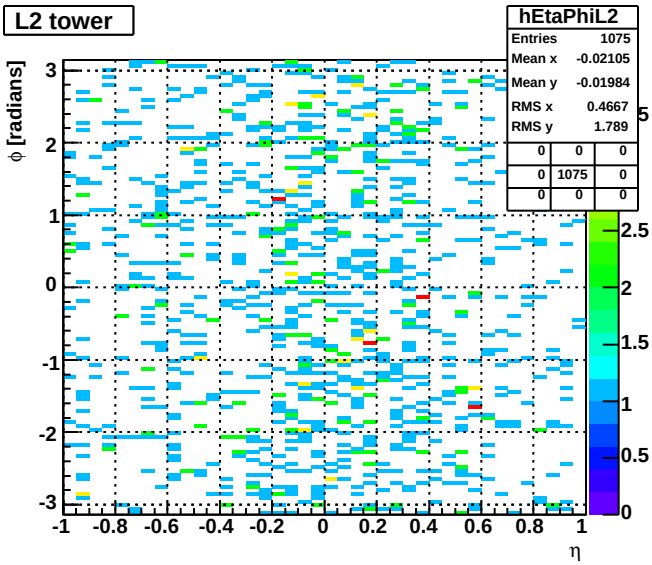
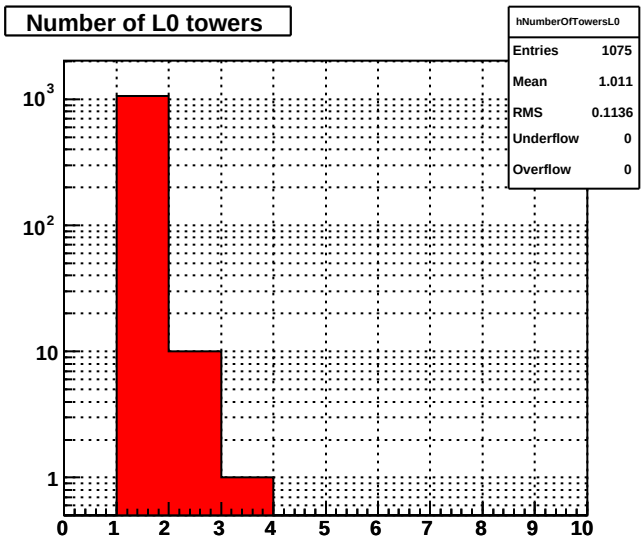
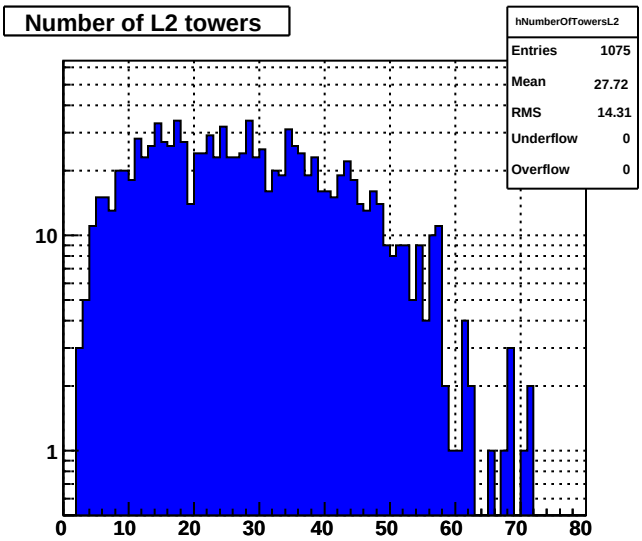
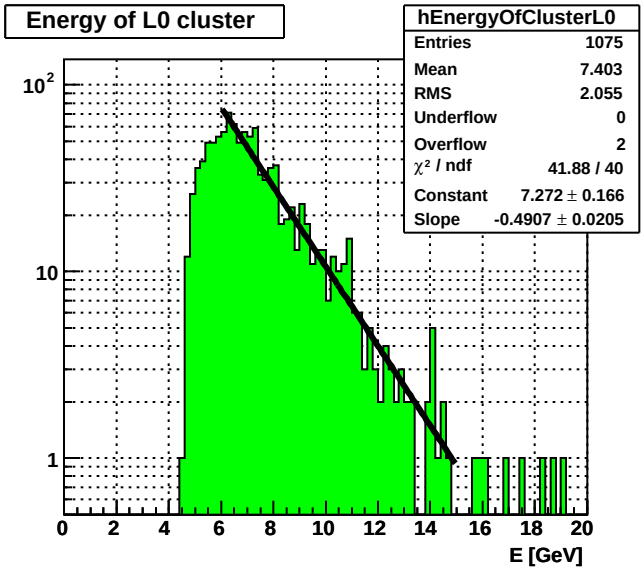
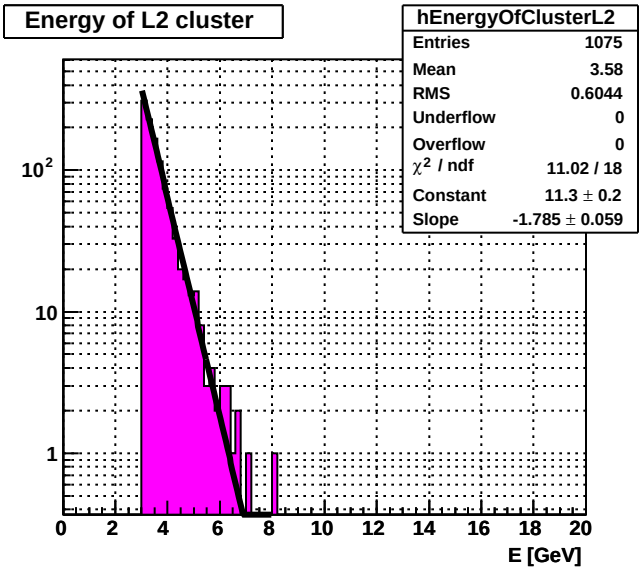

L0 tower
hEtaPhiL0
Entries 1075
Mean x 0.07273
Mean y -0.01516
RMS x 0.5367
RMS y 1.782
φ [radians]
η

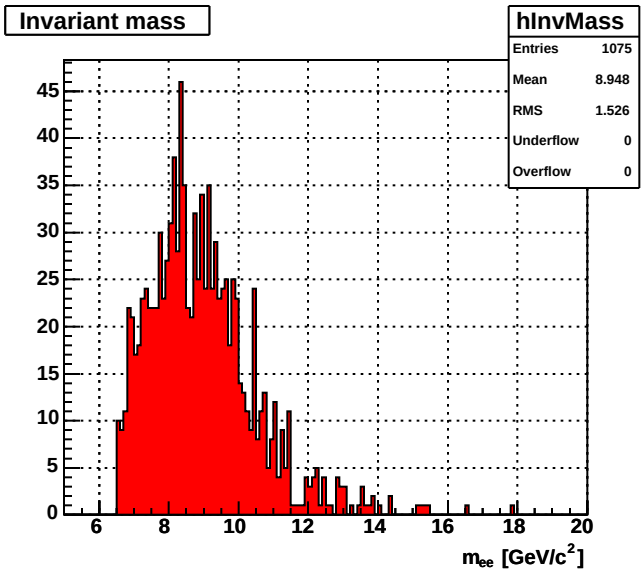

L2 tower
hEtaPhiL2
Entries 1075
Mean x -0.02105
Mean y -0.01984
RMS x 0.4667
RMS y 1.789
φ [radians]
η

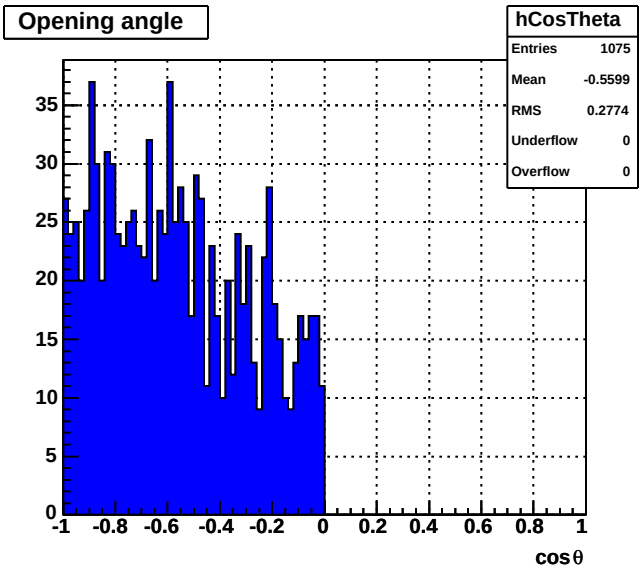

Number of L0 towers
hNumberOfTowersL0
Entries 1075
Mean 1.011
RMS 0.1136
Underflow 0
Overflow 0

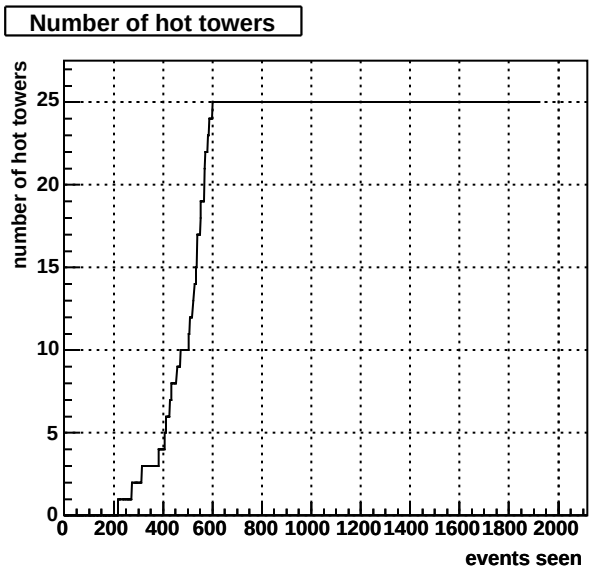

Number of L2 towers
hNumberOfTowersL2
Entries 1075
Mean 27.72
RMS 14.31
Underflow 0
Overflow 0

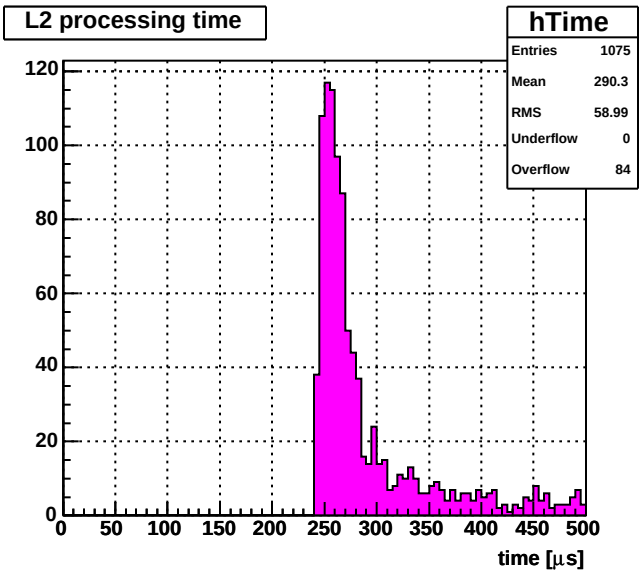

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1075
Mean 7.403
RMS 2.055
Underflow 0
Overflow 2
χ² / ndf 41.88 / 40
Constant 7.272 ± 0.166
Slope -0.4907 ± 0.0205
E [GeV]

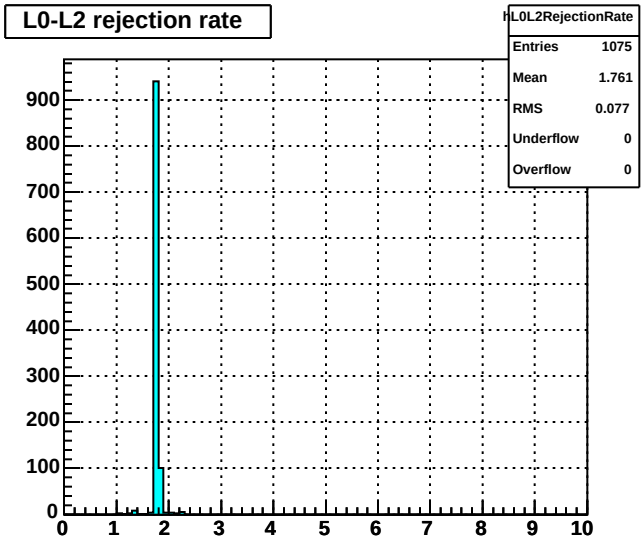

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1075
Mean 3.58
RMS 0.6044
Underflow 0
Overflow 0
χ² / ndf 11.02 / 18
Constant 11.3 ± 0.2
Slope -1.785 ± 0.059
E [GeV]

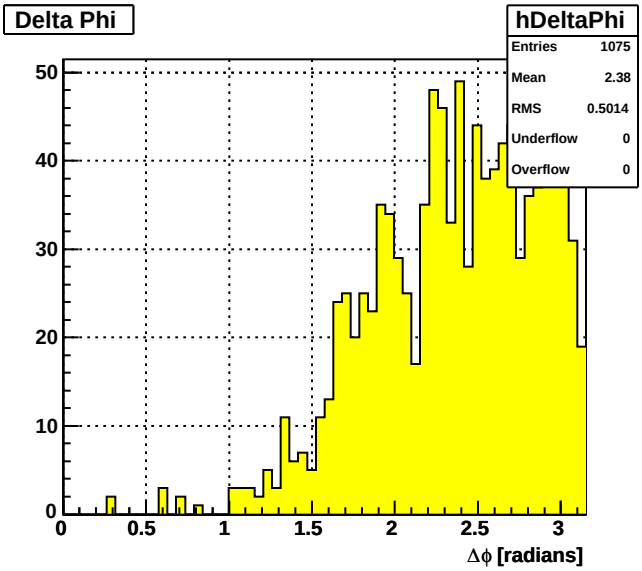

Invariant mass
hInvMass
Entries 1075
Mean 8.948
RMS 1.526
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

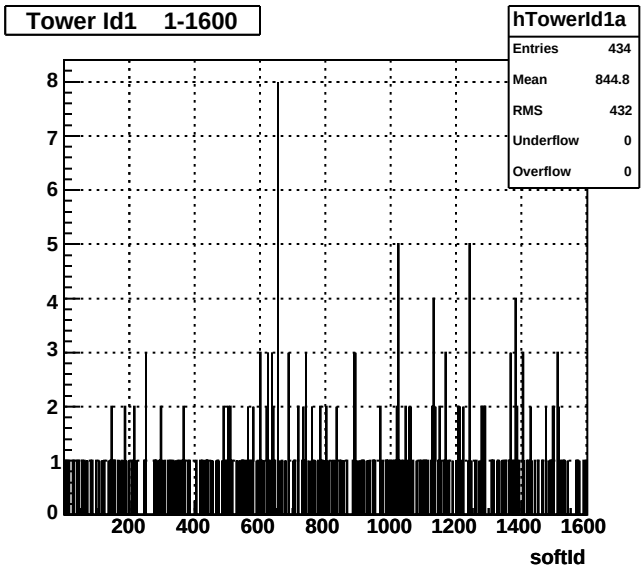

Opening angle
hCosTheta
Entries 1075
Mean -0.5599
RMS 0.2774
Underflow 0
Overflow 0
cos θ

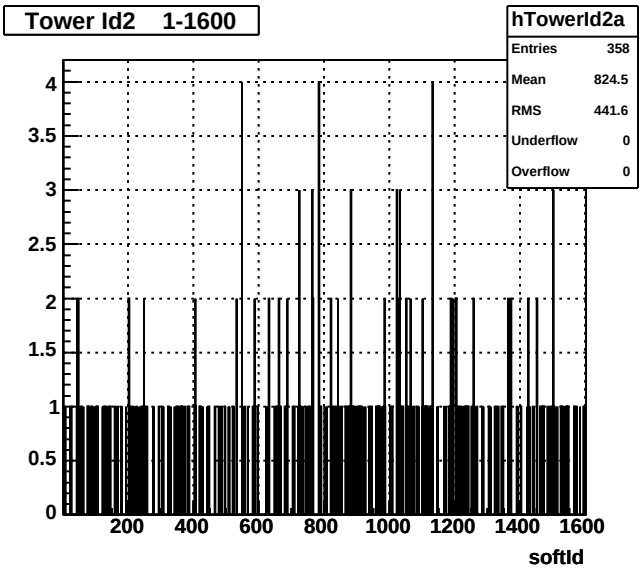

Number of hot towers
number of hot towers
events seen

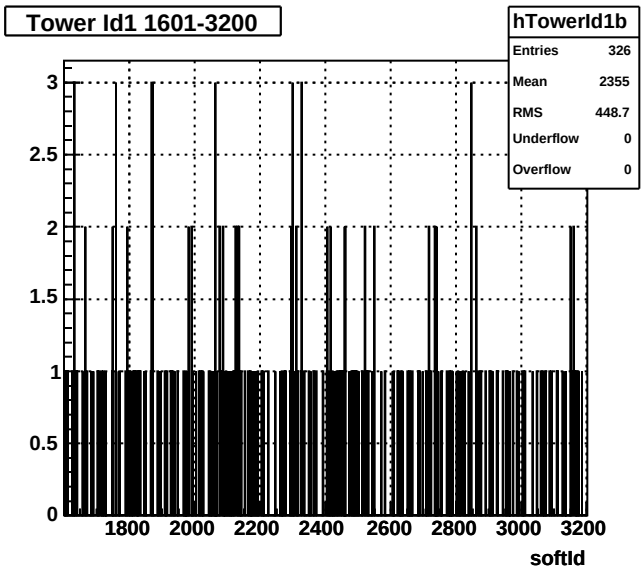

L2 processing time
hTime
Entries 1075
Mean 290.3
RMS 58.99
Underflow 0
Overflow 84
time [μs]

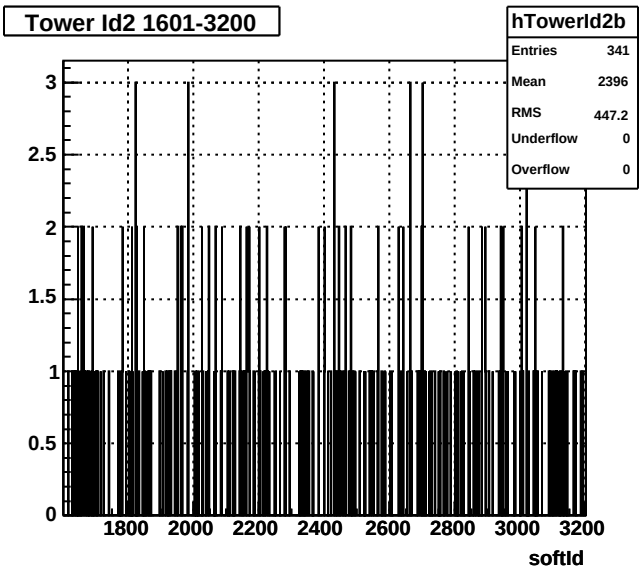

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1075
Mean 1.761
RMS 0.077
Underflow 0
Overflow 0

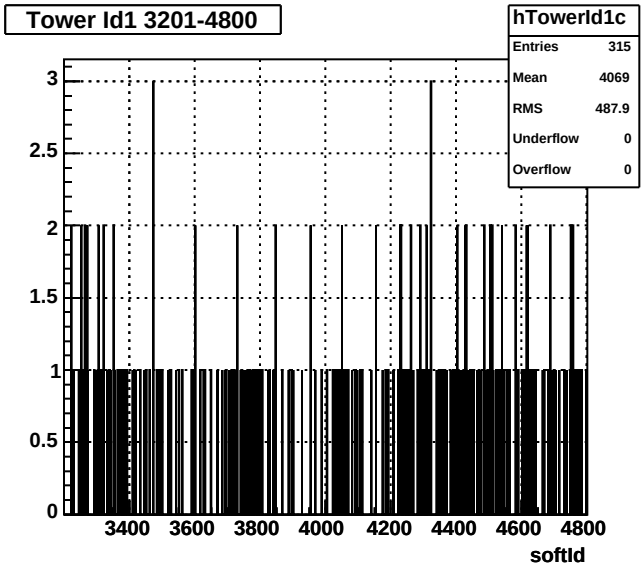

Delta Phi
hDeltaPhi
Entries 1075
Mean 2.38
RMS 0.5014
Underflow 0
Overflow 0
Δφ [radians]

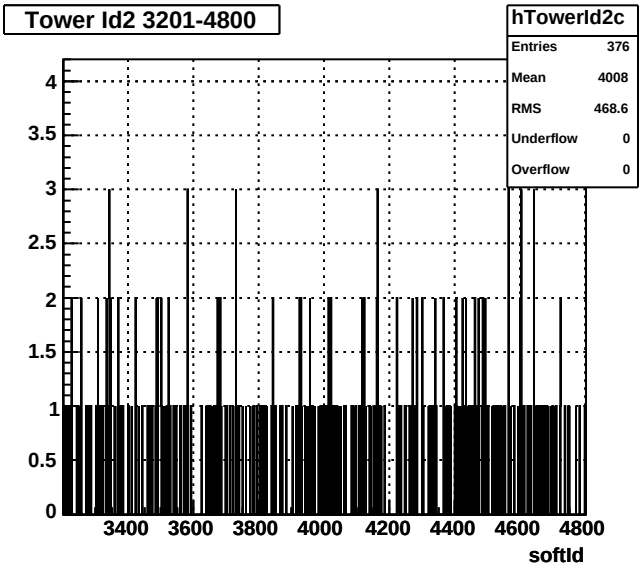

Tower Id1 1-1600
hTowerId1a
Entries 434
Mean 844.8
RMS 432
Underflow 0
Overflow 0
softId

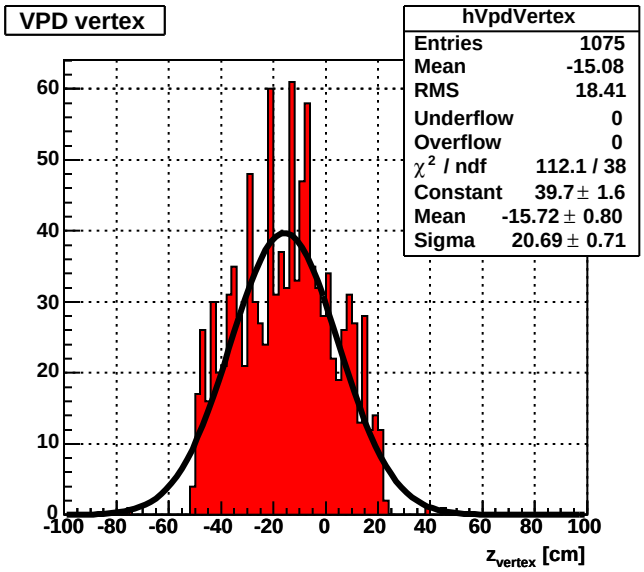

Tower Id2 1-1600
hTowerId2a
Entries 358
Mean 824.5
RMS 441.6
Underflow 0
Overflow 0
softId

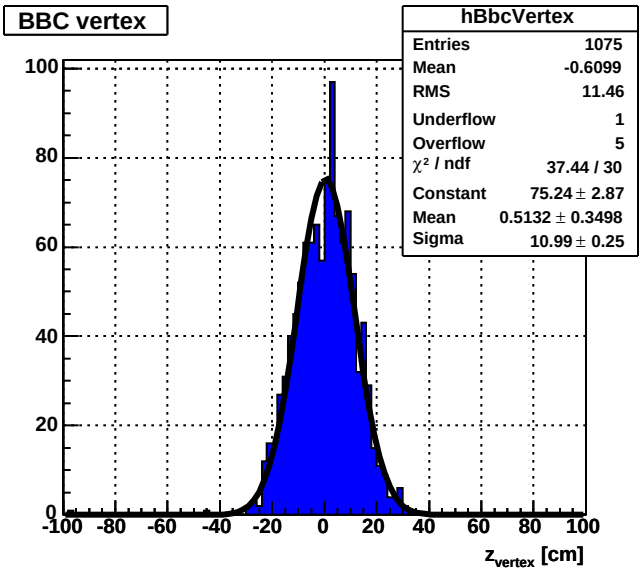

Tower Id1 1601-3200
hTowerId1b
Entries 326
Mean 2355
RMS 448.7
Underflow 0
Overflow 0
softId

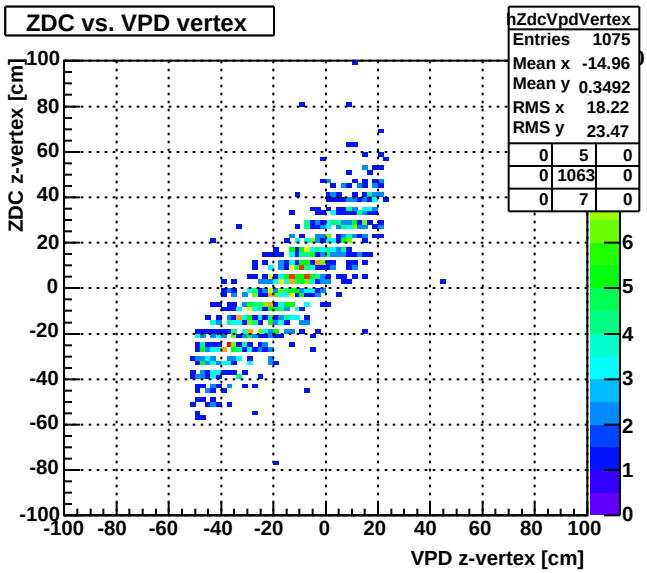

Tower Id2 1601-3200
hTowerId2b
Entries 341
Mean 2396
RMS 447.2
Underflow 0
Overflow 0
softId

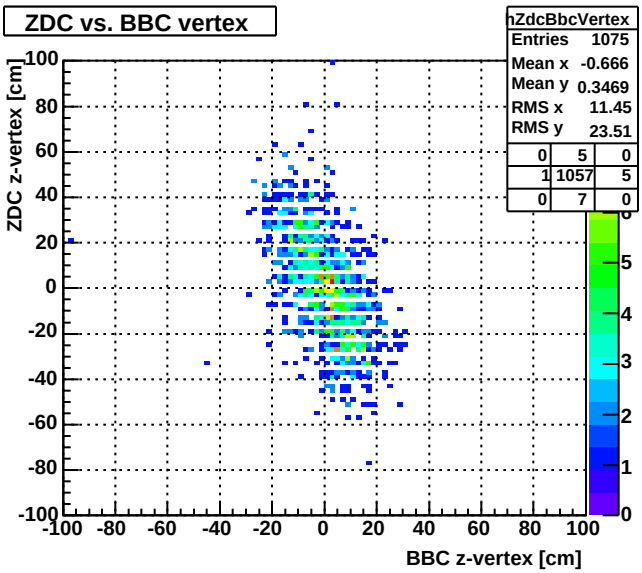

Tower Id1 3201-4800
hTowerId1c
Entries 315
Mean 4069
RMS 487.9
Underflow 0
Overflow 0
softId

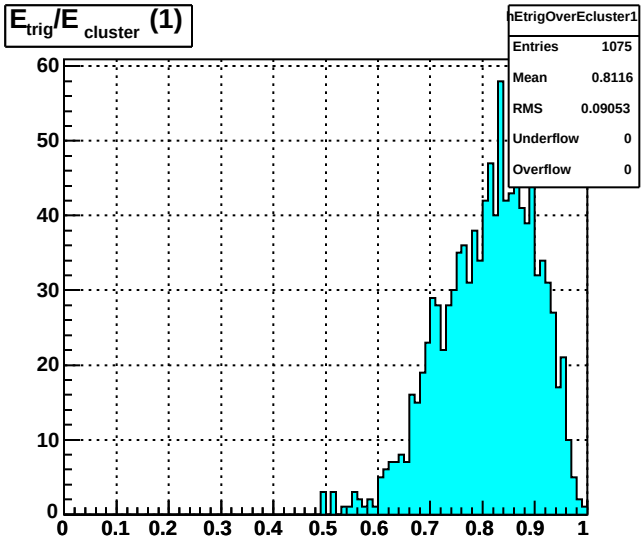

Tower Id2 3201-4800
hTowerId2c
Entries 376
Mean 4008
RMS 468.6
Underflow 0
Overflow 0
softId

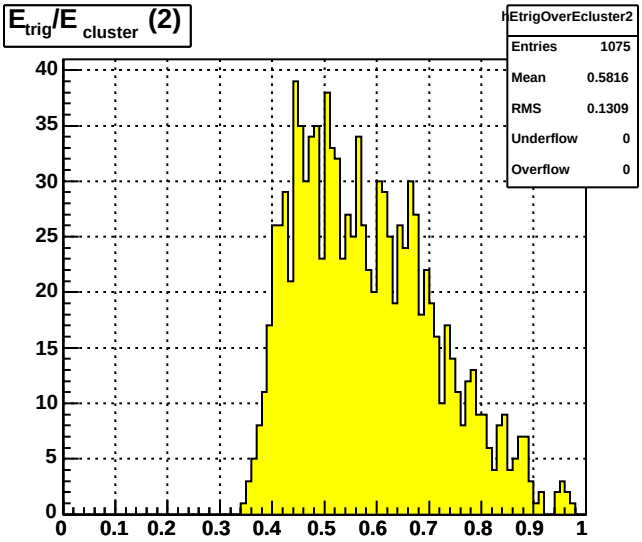

VPD vertex
hVpdVertex
Entries 1075
Mean -15.08
RMS 18.41
Underflow 0
Overflow 0
χ² / ndf 112.1 / 38
Constant 39.7 ± 1.6
Mean -15.72 ± 0.80
Sigma 20.69 ± 0.71
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1075
Mean -0.6099
RMS 11.46
Underflow 1
Overflow 5
χ² / ndf 37.44 / 30
Constant 75.24 ± 2.87
Mean 0.5132 ± 0.3498
Sigma 10.99 ± 0.25
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1075
Mean x -14.96
Mean y 0.3492
RMS x 18.22
RMS y 23.47
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1075
Mean x -0.666
Mean y 0.3469
RMS x 11.45
RMS y 23.51
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1075
Mean 0.8116
RMS 0.09053
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1075
Mean 0.5816
RMS 0.1309
Underflow 0
Overflow 0