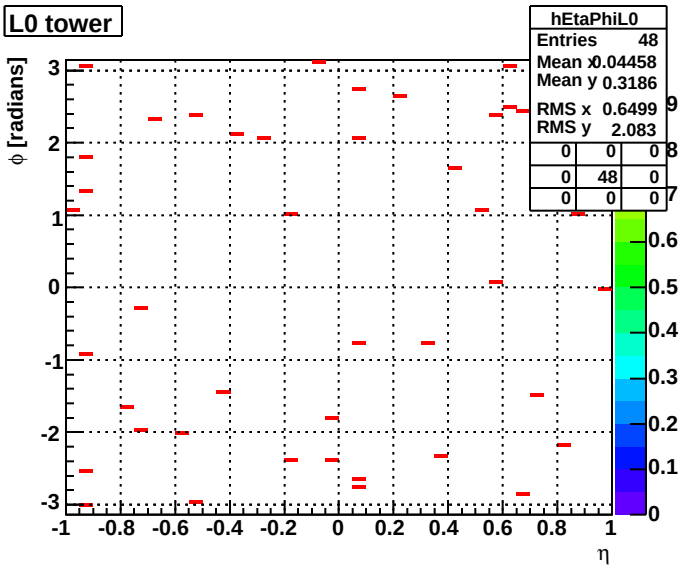
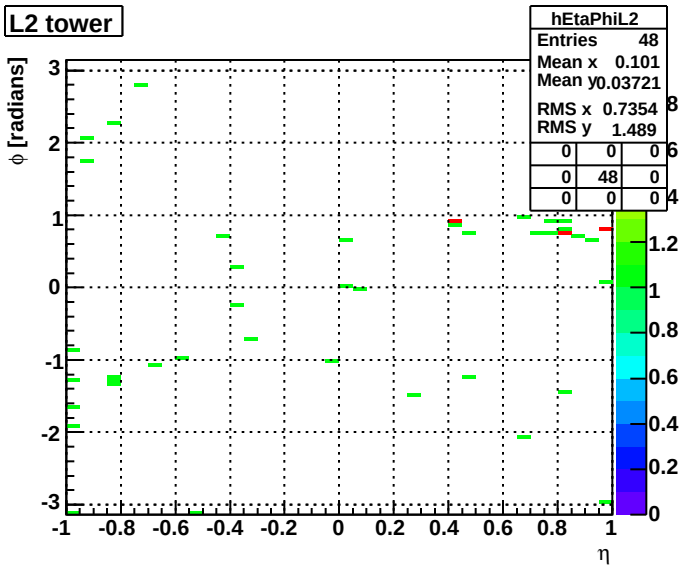
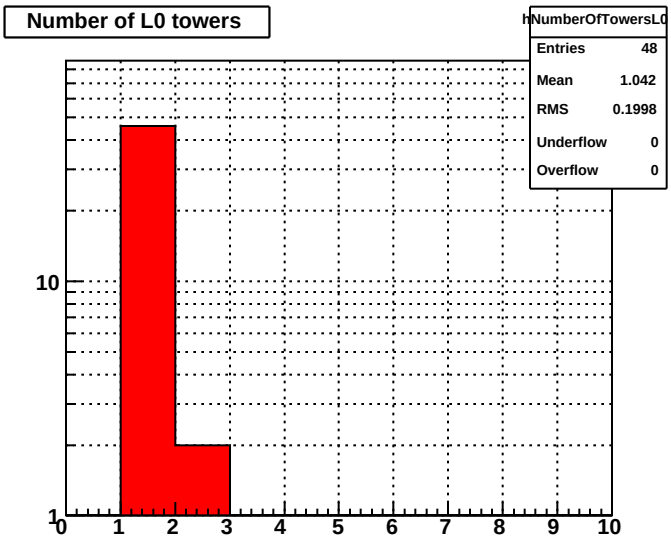
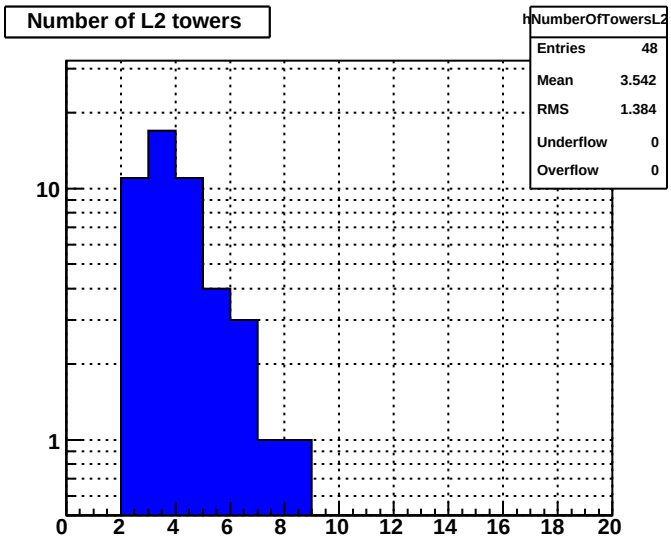
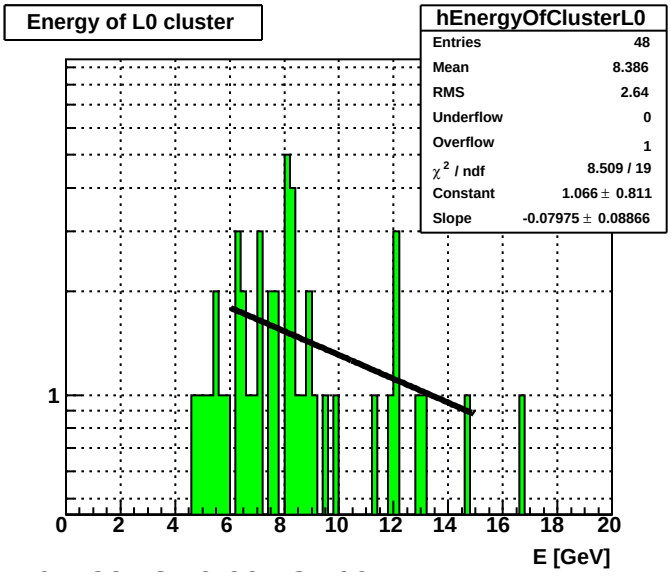
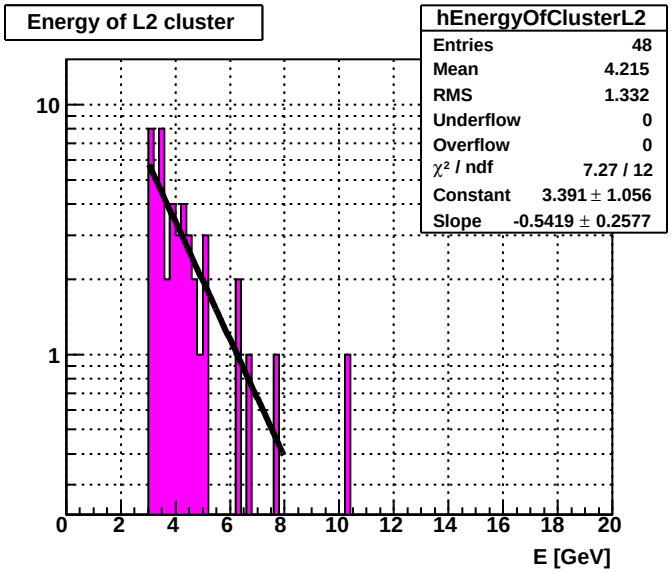

L0 tower
hEtaPhiL0
Entries 48
Mean x 0.04458
Mean y 0.3186
RMS x 0.6499
RMS y 2.083
φ [radians]
η

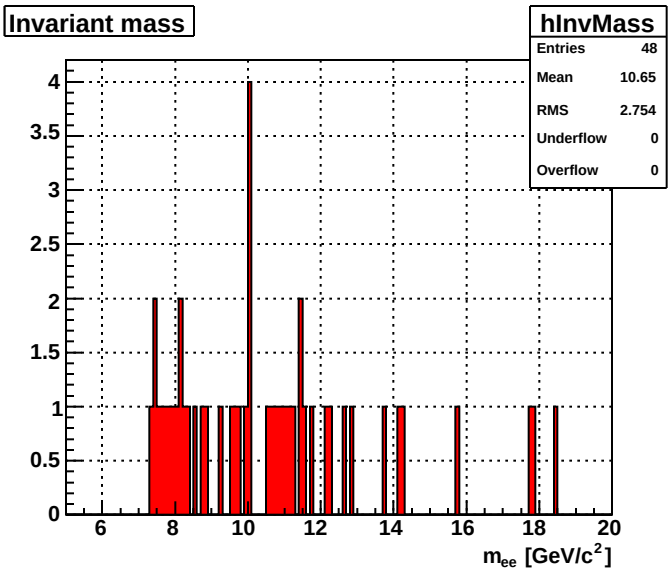

L2 tower
hEtaPhiL2
Entries 48
Mean x 0.101
Mean y 0.03721
RMS x 0.7354
RMS y 1.489
φ [radians]
η

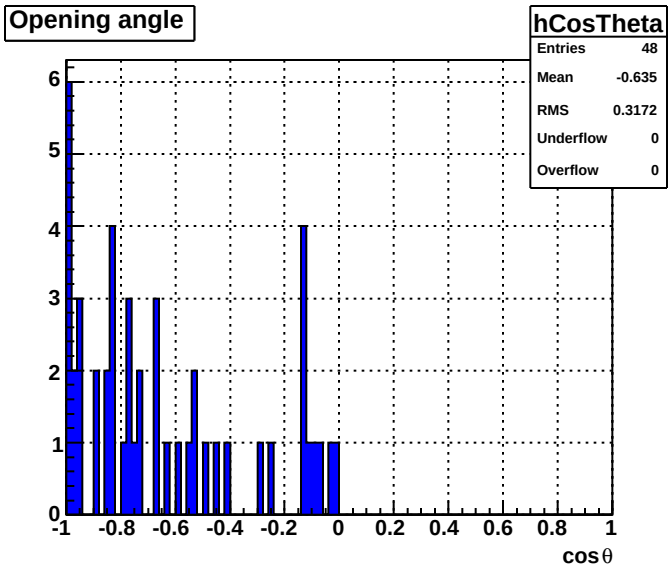

Number of L0 towers
hNumberOfTowersL0
Entries 48
Mean 1.042
RMS 0.1998
Underflow 0
Overflow 0

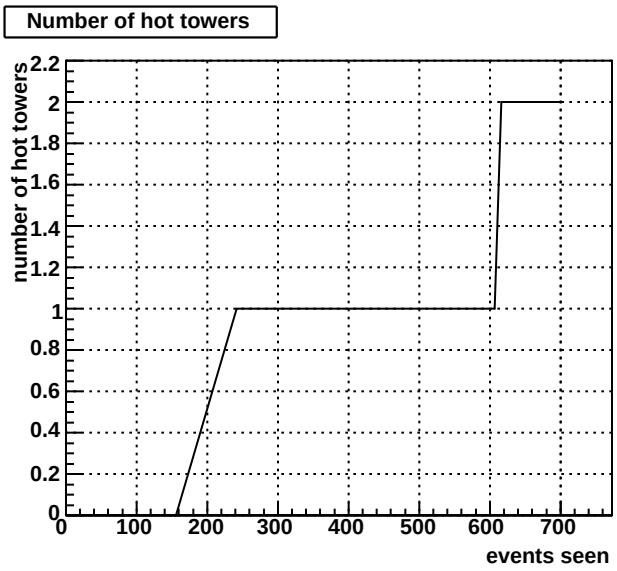

Number of L2 towers
hNumberOfTowersL2
Entries 48
Mean 3.542
RMS 1.384
Underflow 0
Overflow 0

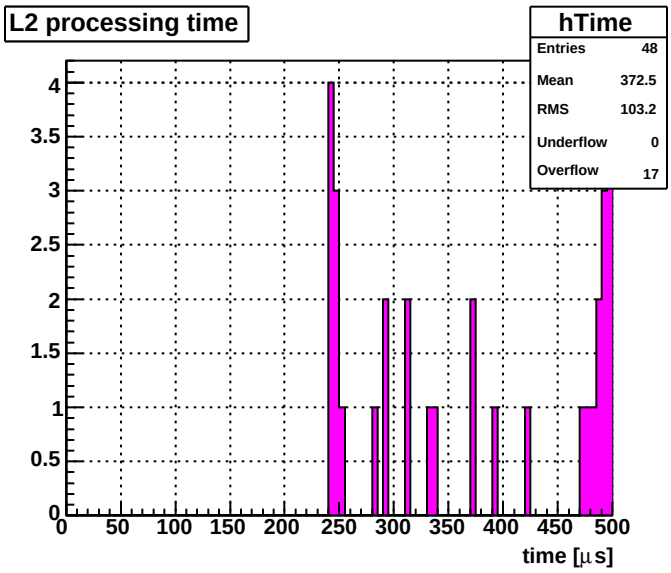

Energy of L0 cluster
hEnergyOfClusterL0
Entries 48
Mean 8.386
RMS 2.64
Underflow 0
Overflow 1
χ² / ndf 8.509 / 19
Constant 1.066 ± 0.811
Slope -0.07975 ± 0.08866
E [GeV]

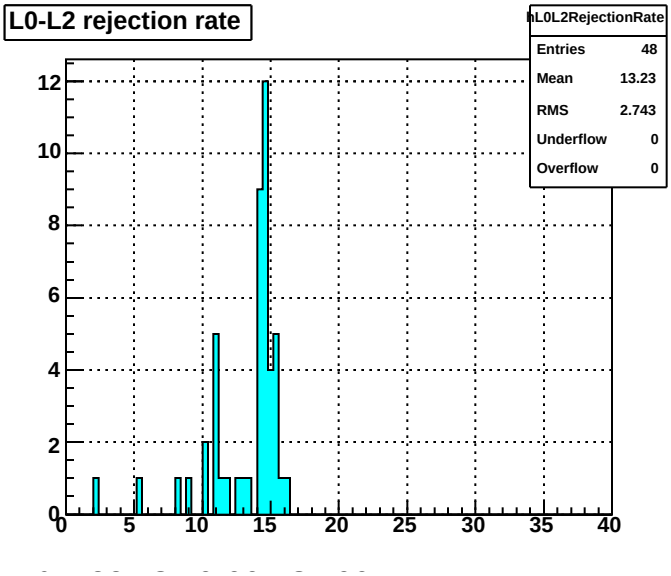

Energy of L2 cluster
hEnergyOfClusterL2
Entries 48
Mean 4.215
RMS 1.332
Underflow 0
Overflow 0
χ² / ndf 7.27 / 12
Constant 3.391 ± 1.056
Slope -0.5419 ± 0.2577
E [GeV]

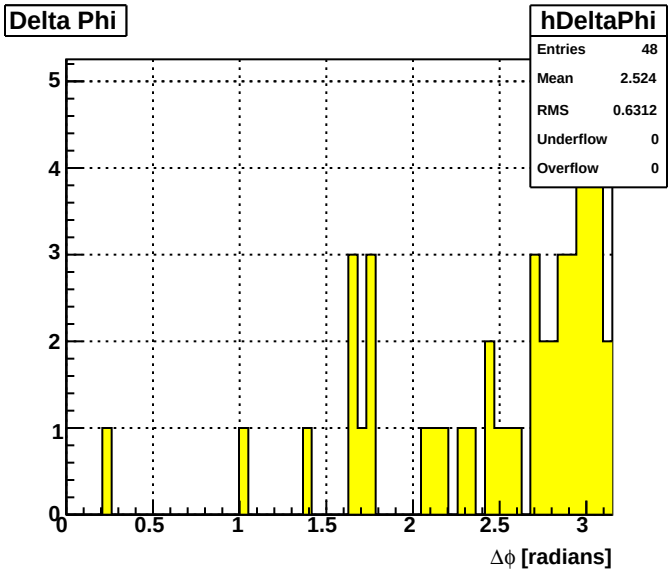

Invariant mass
hInvMass
Entries 48
Mean 10.65
RMS 2.754
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

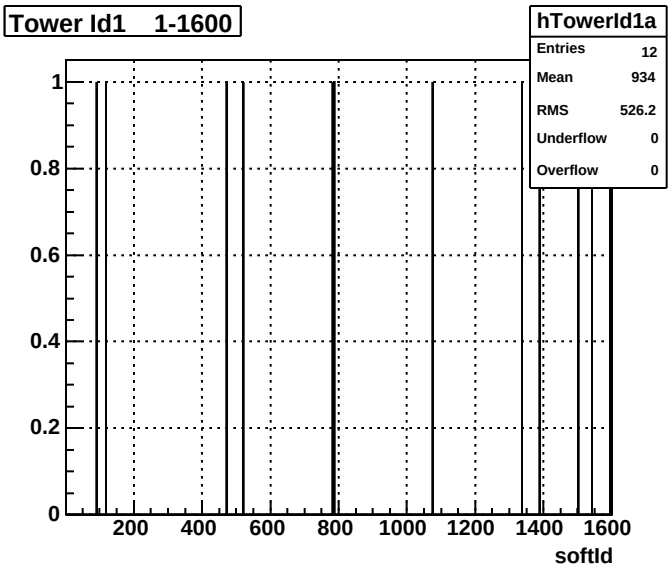

Opening angle
hCosTheta
Entries 48
Mean -0.635
RMS 0.3172
Underflow 0
Overflow 0
cos θ

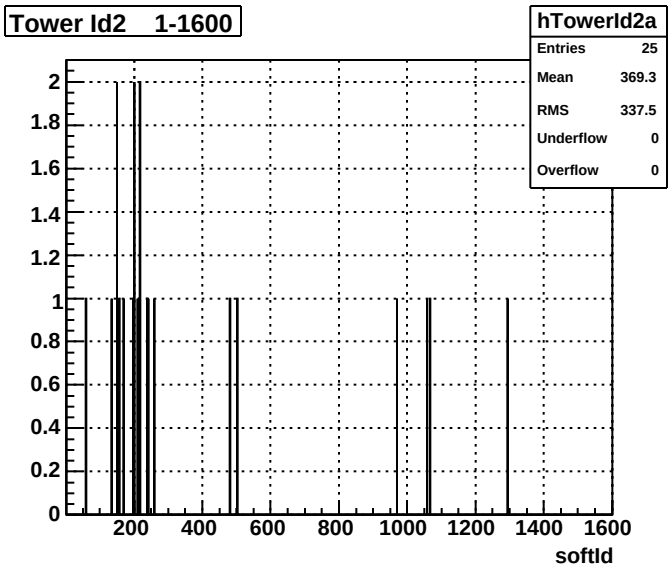

Number of hot towers
number of hot towers
events seen

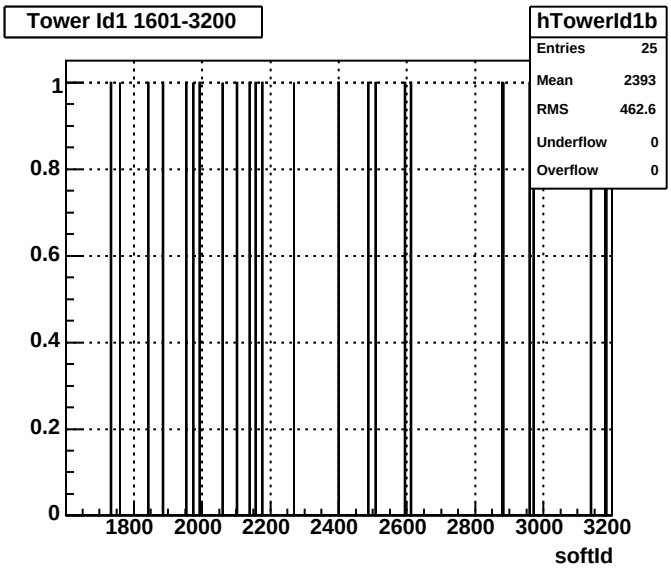

L2 processing time
hTime
Entries 48
Mean 372.5
RMS 103.2
Underflow 0
Overflow 17
time [μs]

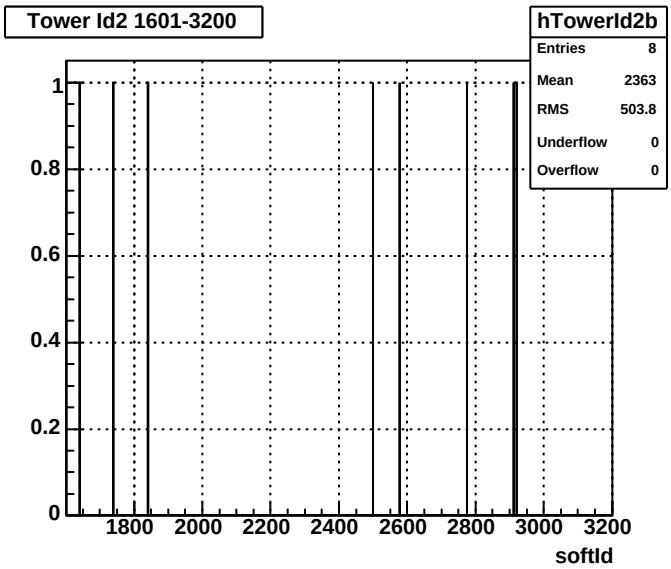

L0-L2 rejection rate
hL0L2RejectionRate
Entries 48
Mean 13.23
RMS 2.743
Underflow 0
Overflow 0

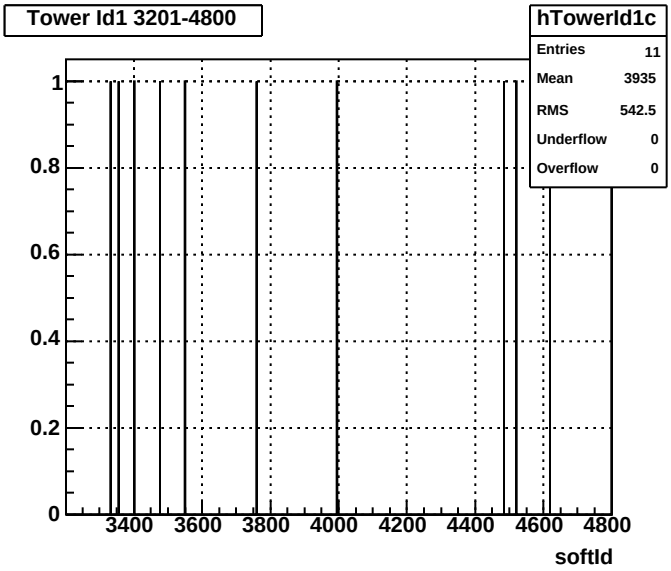

Delta Phi
hDeltaPhi
Entries 48
Mean 2.524
RMS 0.6312
Underflow 0
Overflow 0
Δφ [radians]

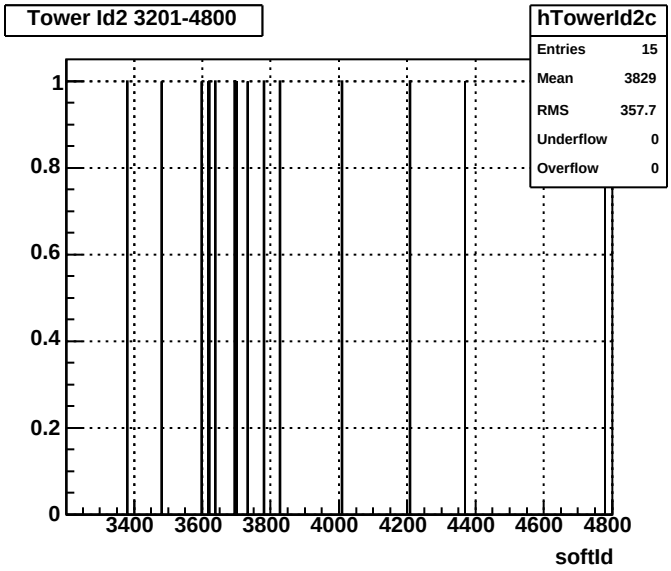

Tower Id1 1-1600
hTowerId1a
Entries 12
Mean 934
RMS 526.2
Underflow 0
Overflow 0
softId

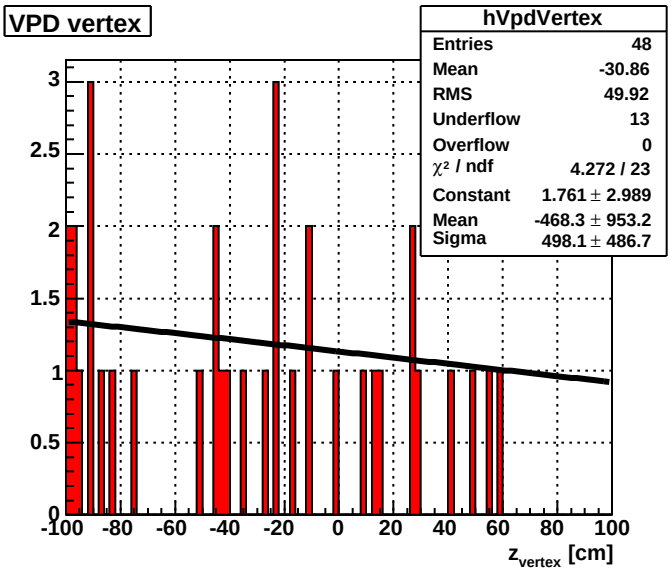

Tower Id2 1-1600
hTowerId2a
Entries 25
Mean 369.3
RMS 337.5
Underflow 0
Overflow 0
softId

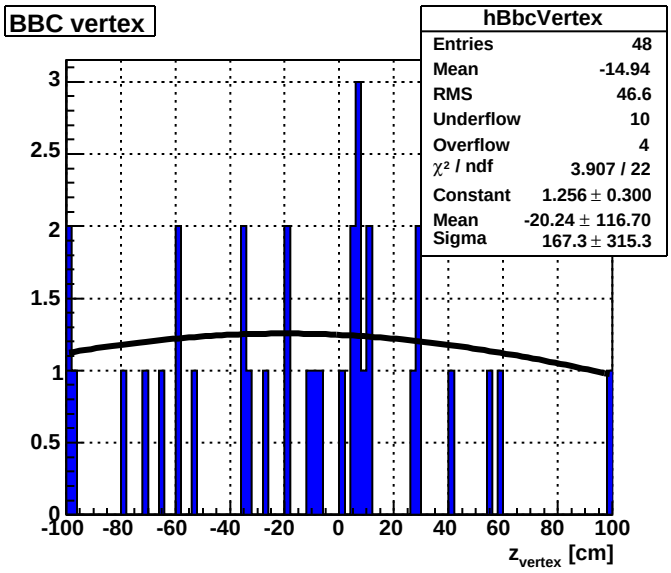

Tower Id1 1601-3200
hTowerId1b
Entries 25
Mean 2393
RMS 462.6
Underflow 0
Overflow 0
softId

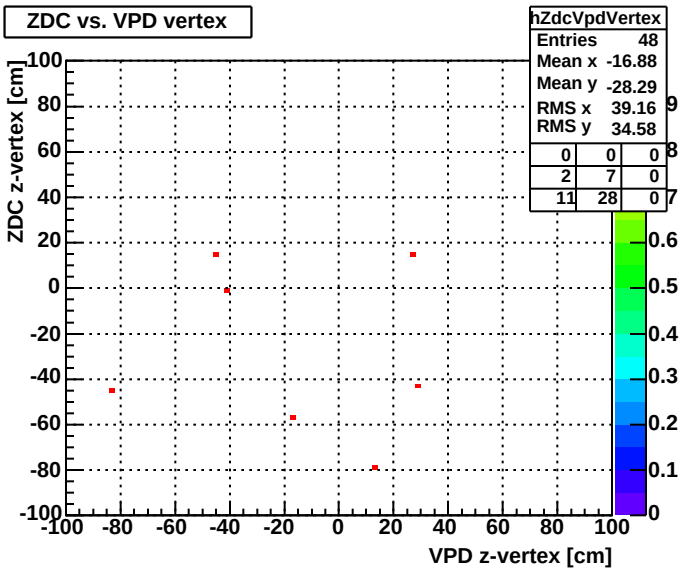

Tower Id2 1601-3200
hTowerId2b
Entries 8
Mean 2363
RMS 503.8
Underflow 0
Overflow 0
softId

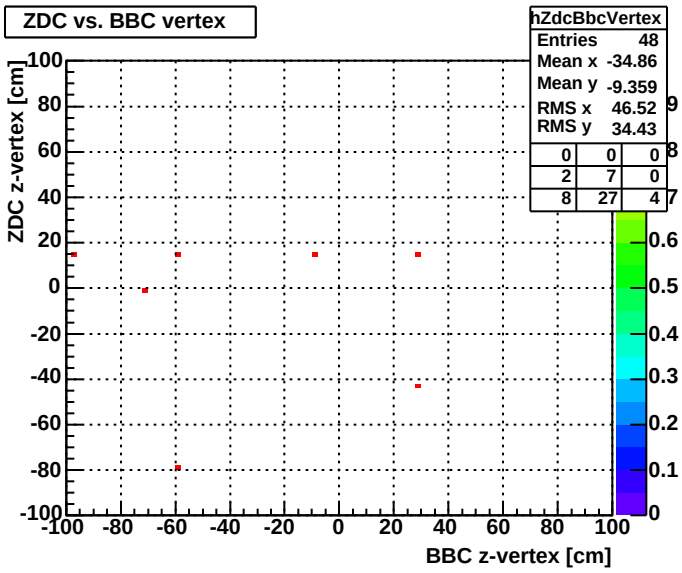

Tower Id1 3201-4800
hTowerId1c
Entries 11
Mean 3935
RMS 542.5
Underflow 0
Overflow 0
softId

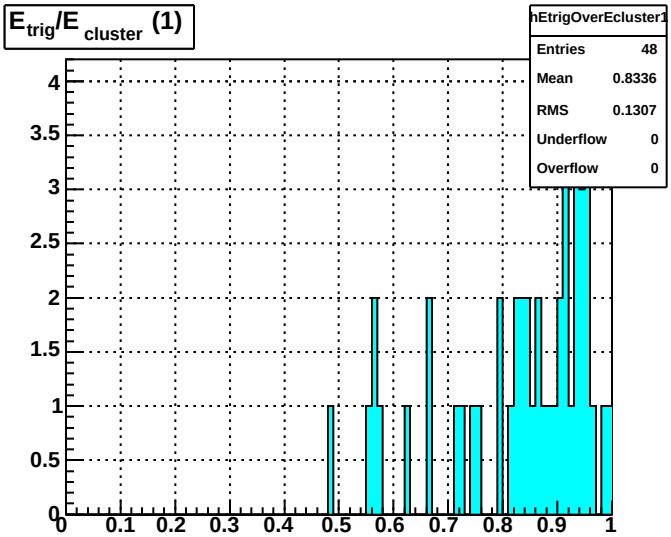

Tower Id2 3201-4800
hTowerId2c
Entries 15
Mean 3829
RMS 357.7
Underflow 0
Overflow 0
softId

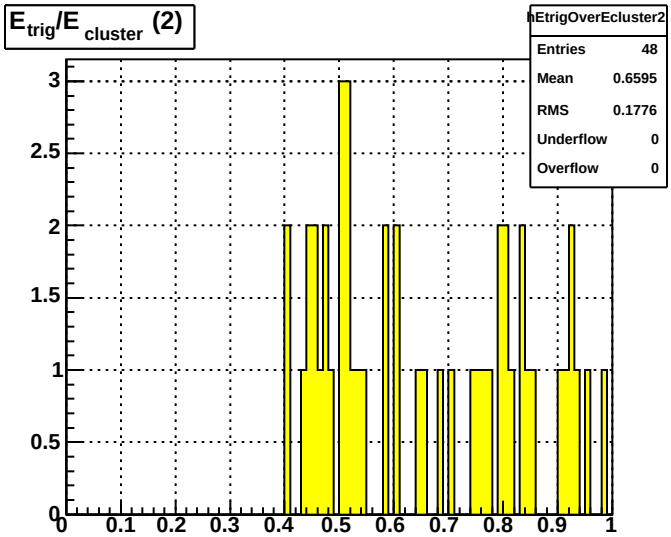

VPD vertex
hVpdVertex
Entries 48
Mean -30.86
RMS 49.92
Underflow 13
Overflow 0
χ² / ndf 4.272 / 23
Constant 1.761 ± 2.989
Mean -468.3 ± 953.2
Sigma 498.1 ± 486.7
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 48
Mean -14.94
RMS 46.6
Underflow 10
Overflow 4
χ² / ndf 3.907 / 22
Constant 1.256 ± 0.300
Mean -20.24 ± 116.70
Sigma 167.3 ± 315.3
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 48
Mean x -16.88
Mean y -28.29
RMS x 39.16
RMS y 34.58
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 48
Mean x -34.86
Mean y -9.359
RMS x 46.52
RMS y 34.43
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 48
Mean 0.8336
RMS 0.1307
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 48
Mean 0.6595
RMS 0.1776
Underflow 0
Overflow 0