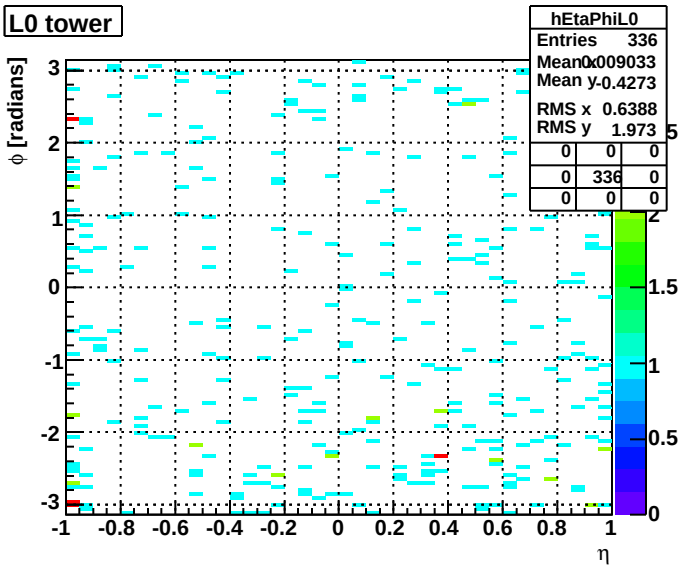
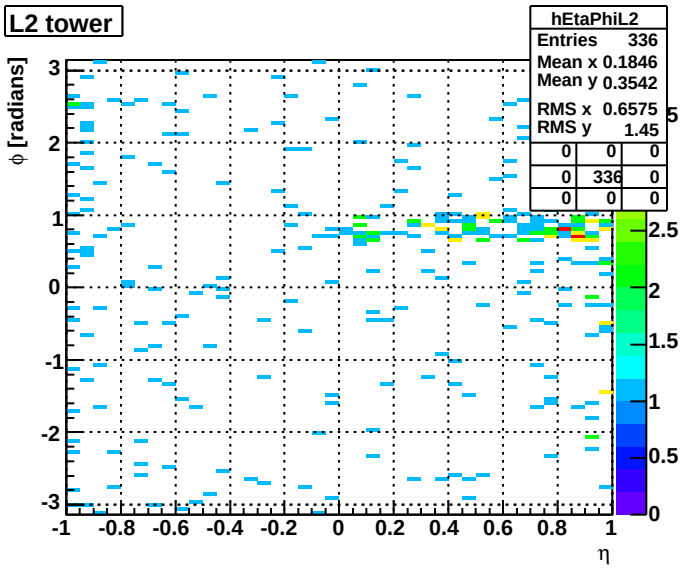
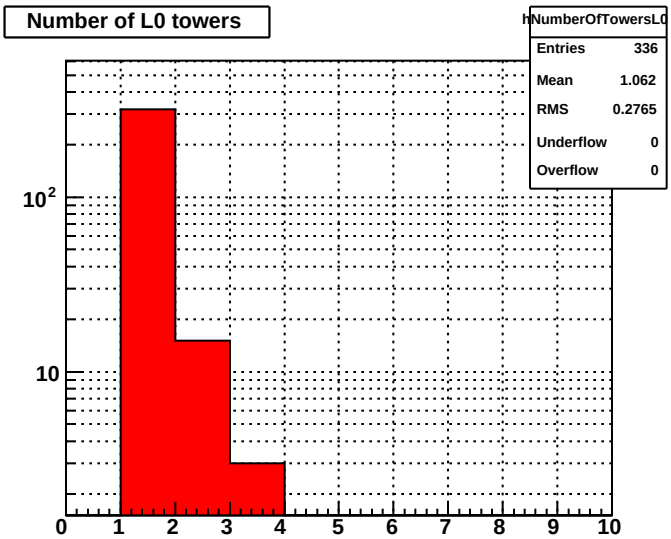
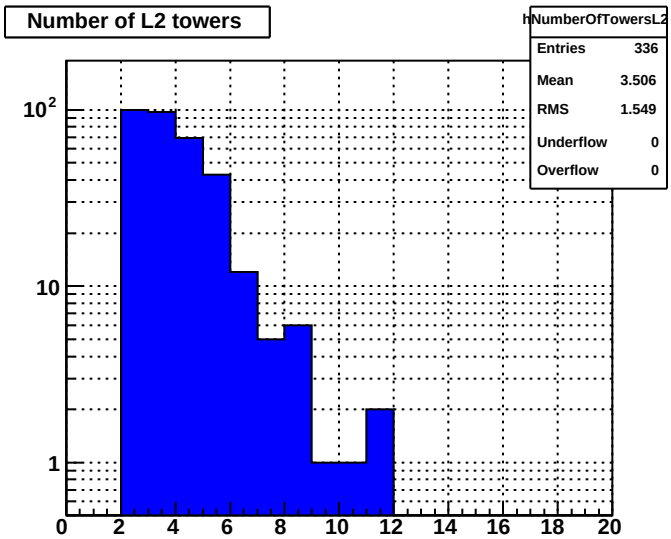
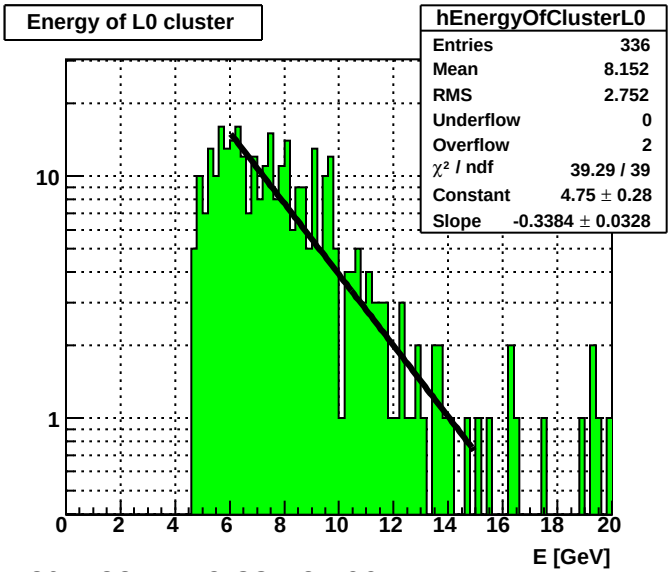
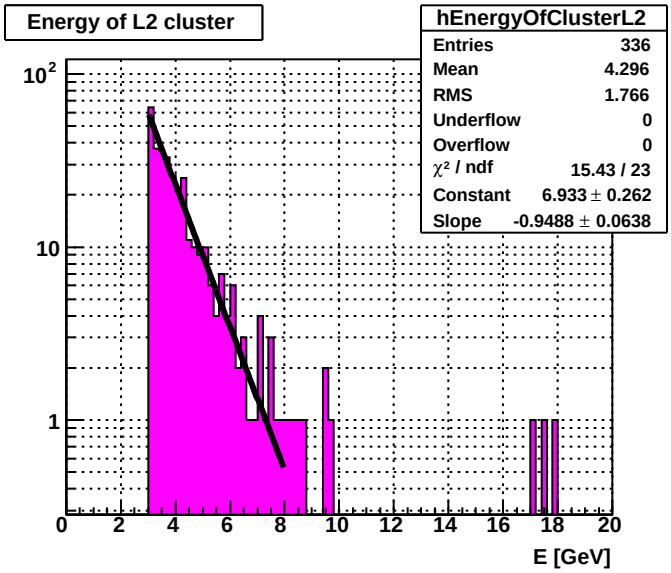

L0 tower
hEtaPhiL0
Entries 336
Mean x 0.009033
Mean y -0.4273
RMS x 0.6388
RMS y 1.973
φ [radians]
η

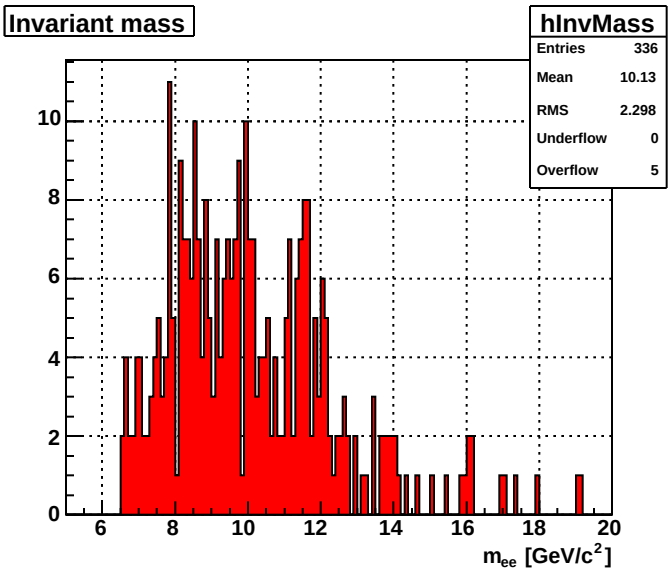

L2 tower
hEtaPhiL2
Entries 336
Mean x 0.1846
Mean y 0.3542
RMS x 0.6575
RMS y 1.45
φ [radians]
η

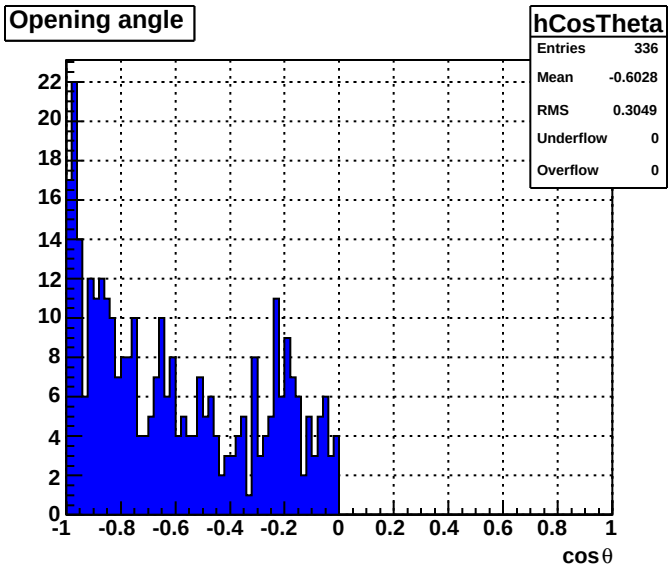

Number of L0 towers
hNumberOfTowersL0
Entries 336
Mean 1.062
RMS 0.2765
Underflow 0
Overflow 0

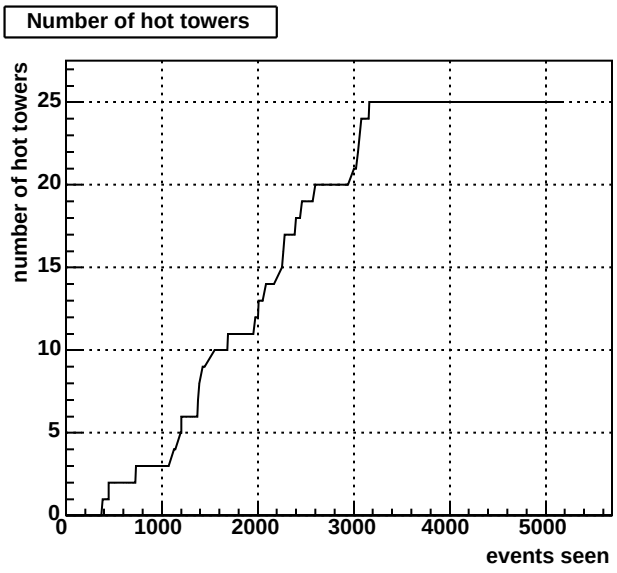

Number of L2 towers
hNumberOfTowersL2
Entries 336
Mean 3.506
RMS 1.549
Underflow 0
Overflow 0

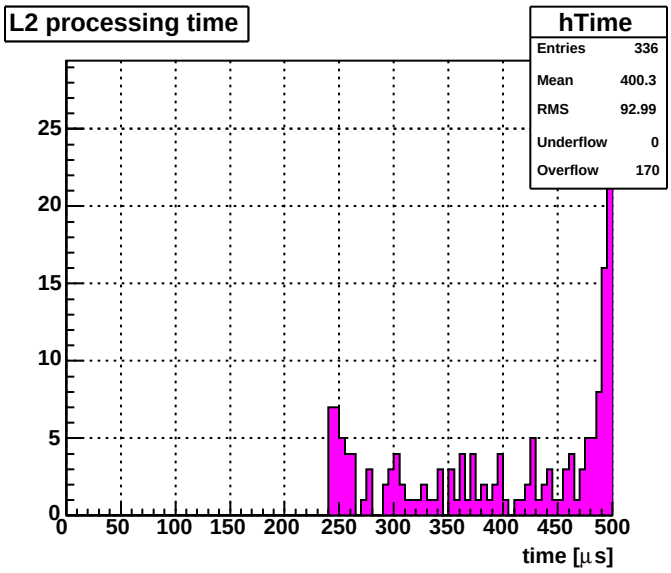

Energy of L0 cluster
hEnergyOfClusterL0
Entries 336
Mean 8.152
RMS 2.752
Underflow 0
Overflow 2
χ² / ndf 39.29 / 39
Constant 4.75 ± 0.28
Slope -0.3384 ± 0.0328
E [GeV]

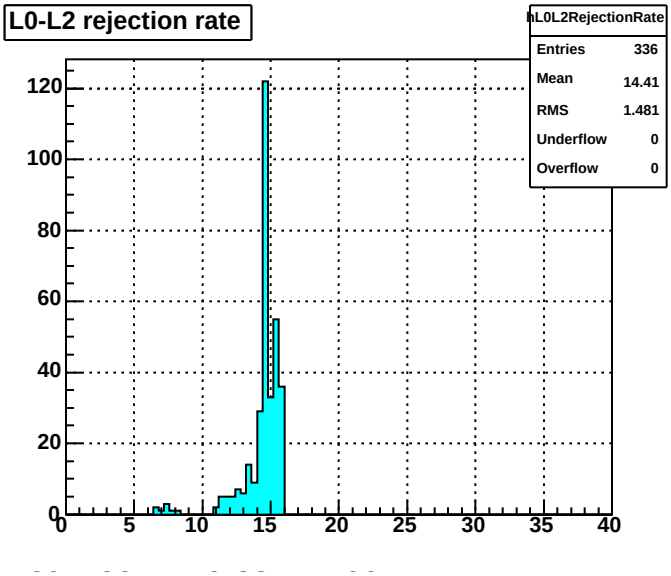

Energy of L2 cluster
hEnergyOfClusterL2
Entries 336
Mean 4.296
RMS 1.766
Underflow 0
Overflow 0
χ² / ndf 15.43 / 23
Constant 6.933 ± 0.262
Slope -0.9488 ± 0.0638
E [GeV]

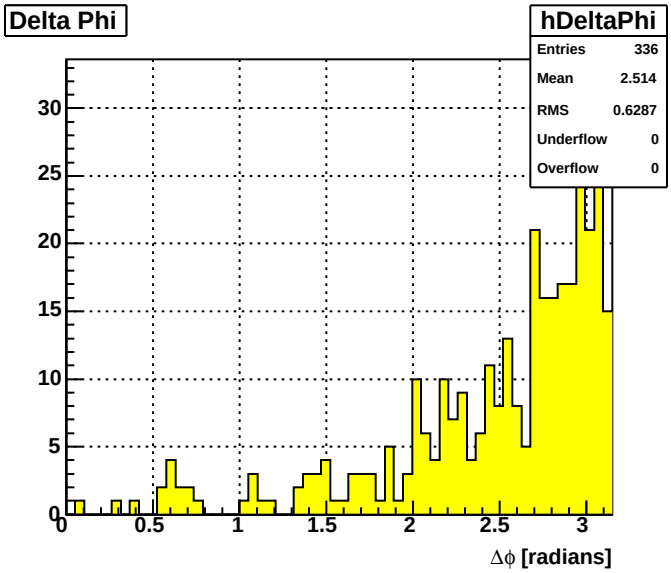

Invariant mass
hInvMass
Entries 336
Mean 10.13
RMS 2.298
Underflow 0
Overflow 5
m_{ee} [GeV/c^2]

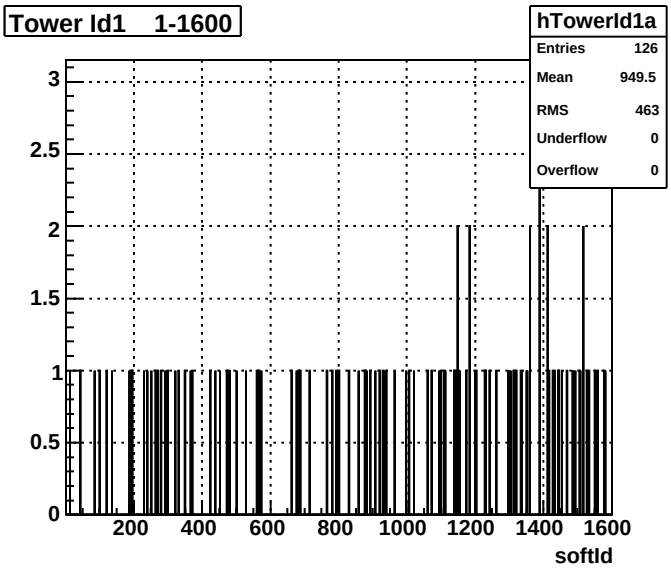

Opening angle
hCosTheta
Entries 336
Mean -0.6028
RMS 0.3049
Underflow 0
Overflow 0
cos θ

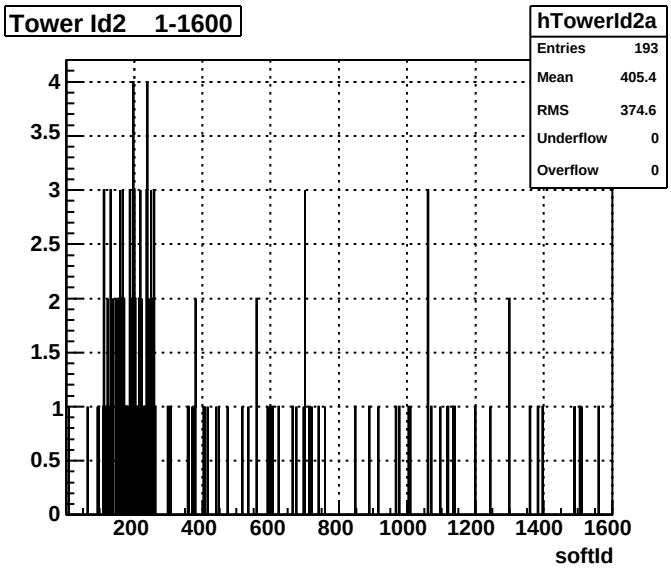

Number of hot towers
number of hot towers
events seen

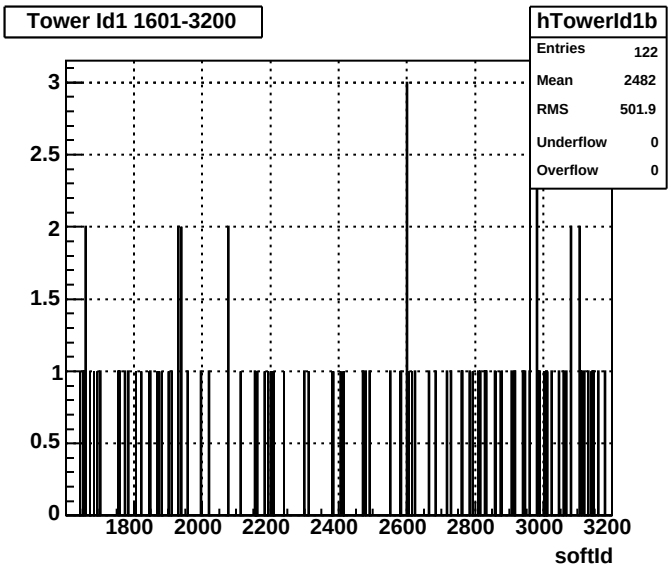

L2 processing time
hTime
Entries 336
Mean 400.3
RMS 92.99
Underflow 0
Overflow 170
time [μs]

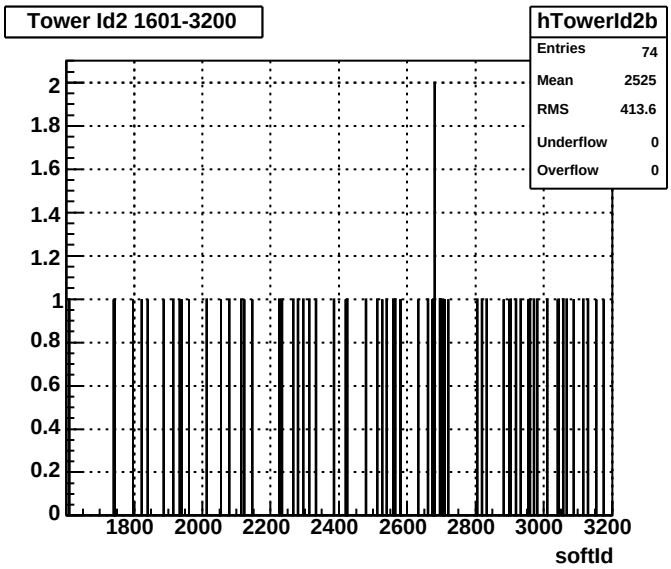

L0-L2 rejection rate
hL0L2RejectionRate
Entries 336
Mean 14.41
RMS 1.481
Underflow 0
Overflow 0

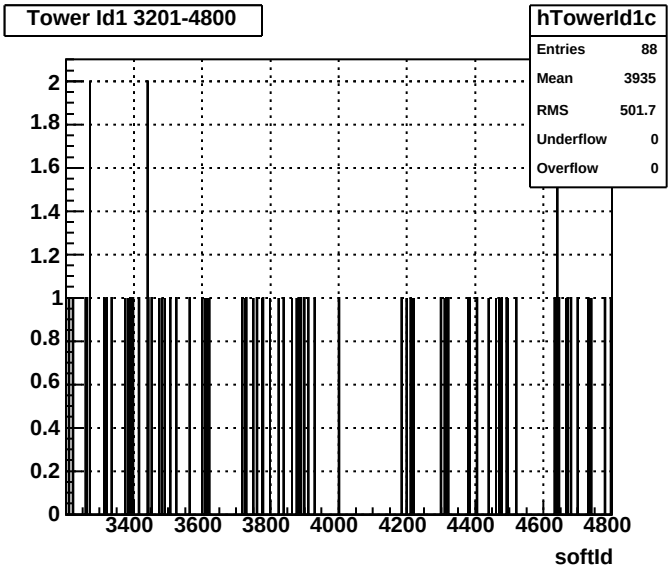

Delta Phi
hDeltaPhi
Entries 336
Mean 2.514
RMS 0.6287
Underflow 0
Overflow 0
Δφ [radians]

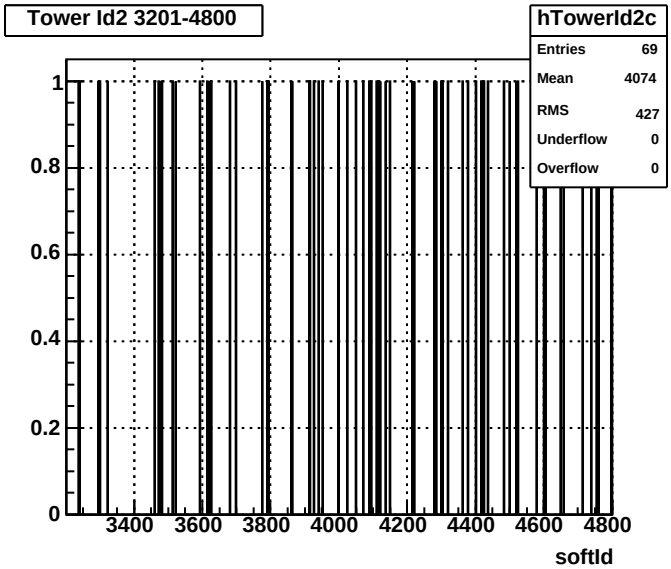

Tower Id1 1-1600
hTowerId1a
Entries 126
Mean 949.5
RMS 463
Underflow 0
Overflow 0
softId

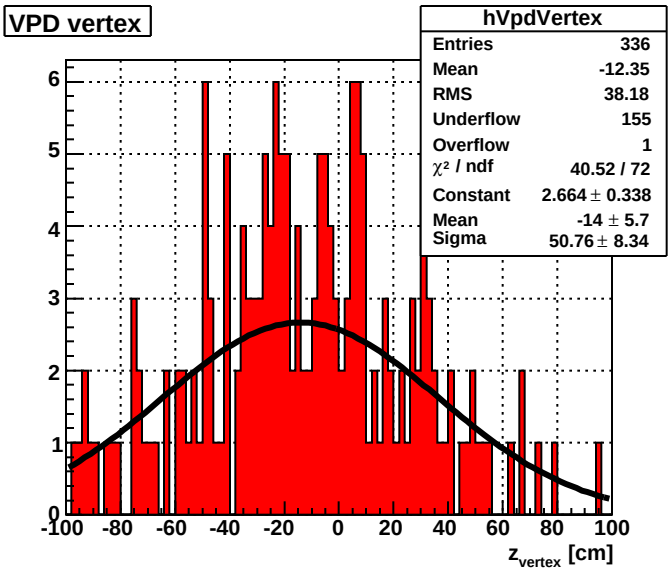

Tower Id2 1-1600
hTowerId2a
Entries 193
Mean 405.4
RMS 374.6
Underflow 0
Overflow 0
softId

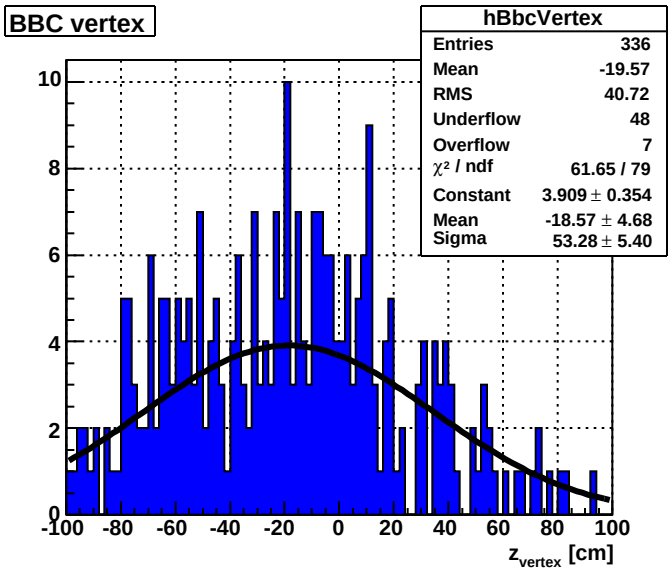

Tower Id1 1601-3200
hTowerId1b
Entries 122
Mean 2482
RMS 501.9
Underflow 0
Overflow 0
softId

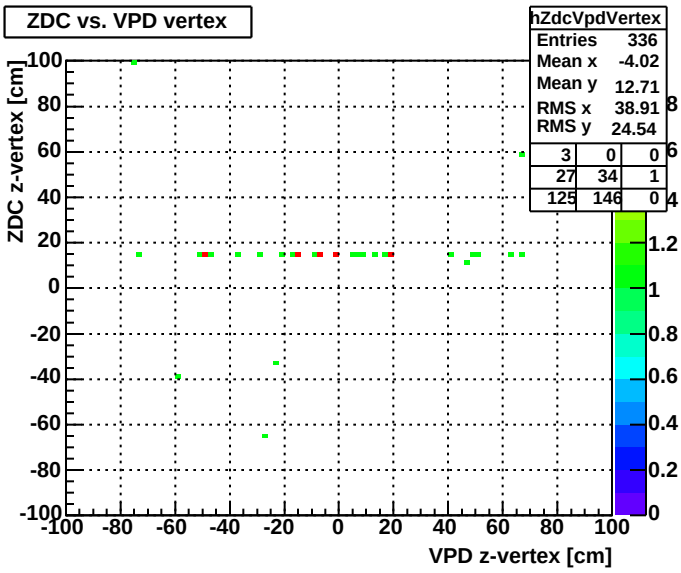

Tower Id2 1601-3200
hTowerId2b
Entries 74
Mean 2525
RMS 413.6
Underflow 0
Overflow 0
softId

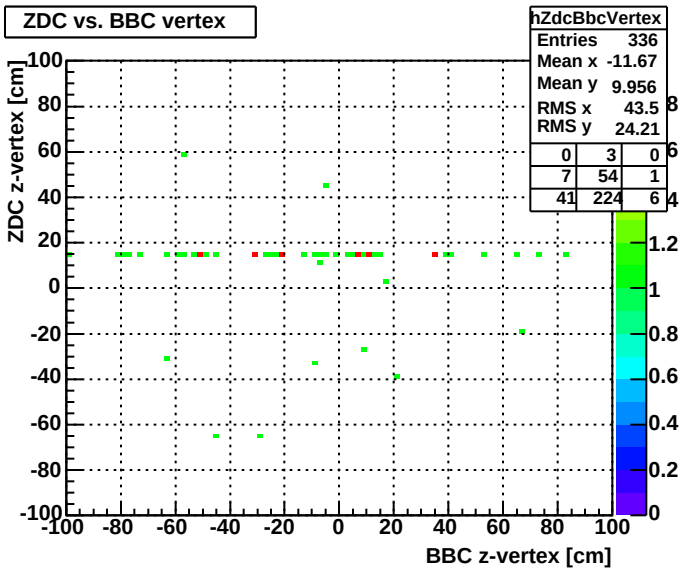

Tower Id1 3201-4800
hTowerId1c
Entries 88
Mean 3935
RMS 501.7
Underflow 0
Overflow 0
softId

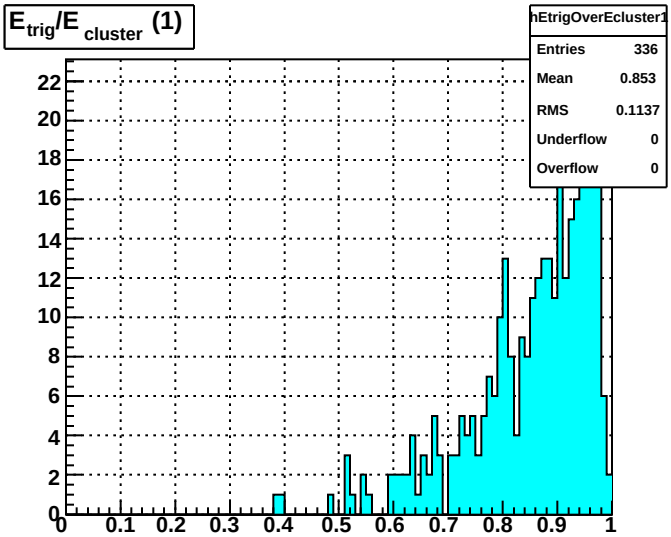

Tower Id2 3201-4800
hTowerId2c
Entries 69
Mean 4074
RMS 427
Underflow 0
Overflow 0
softId

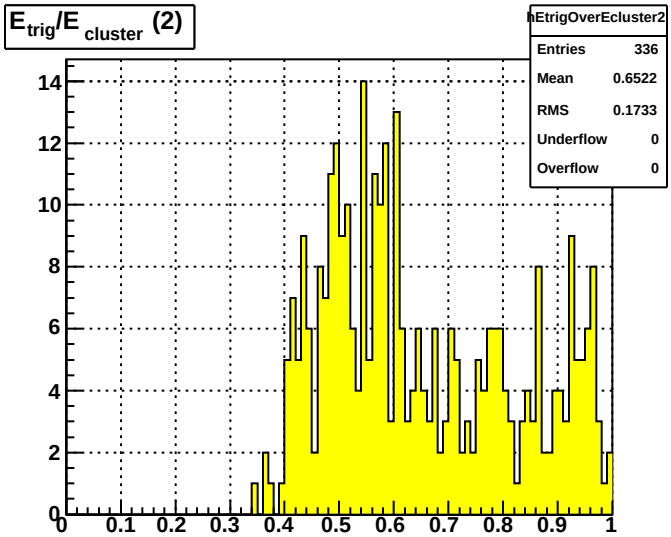

VPD vertex
hVpdVertex
Entries 336
Mean -12.35
RMS 38.18
Underflow 155
Overflow 1
χ² / ndf 40.52 / 72
Constant 2.664 ± 0.338
Mean -14 ± 5.7
Sigma 50.76 ± 8.34
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 336
Mean -19.57
RMS 40.72
Underflow 48
Overflow 7
χ² / ndf 61.65 / 79
Constant 3.909 ± 0.354
Mean -18.57 ± 4.68
Sigma 53.28 ± 5.40
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 336
Mean x -4.02
Mean y 12.71
RMS x 38.91
RMS y 24.54
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 336
Mean x -11.67
Mean y 9.956
RMS x 43.5
RMS y 24.21
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 336
Mean 0.853
RMS 0.1137
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 336
Mean 0.6522
RMS 0.1733
Underflow 0
Overflow 0