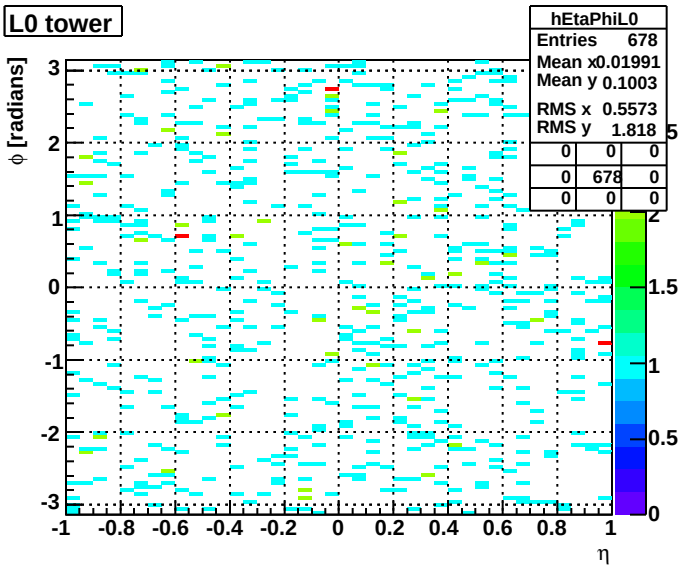
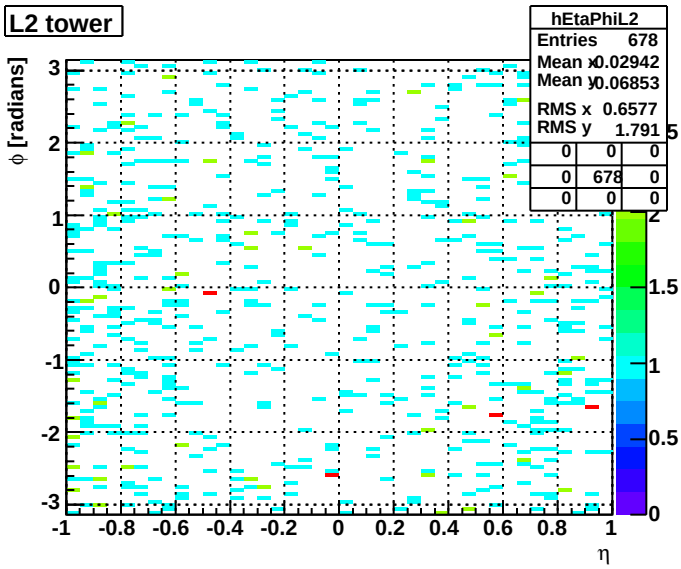
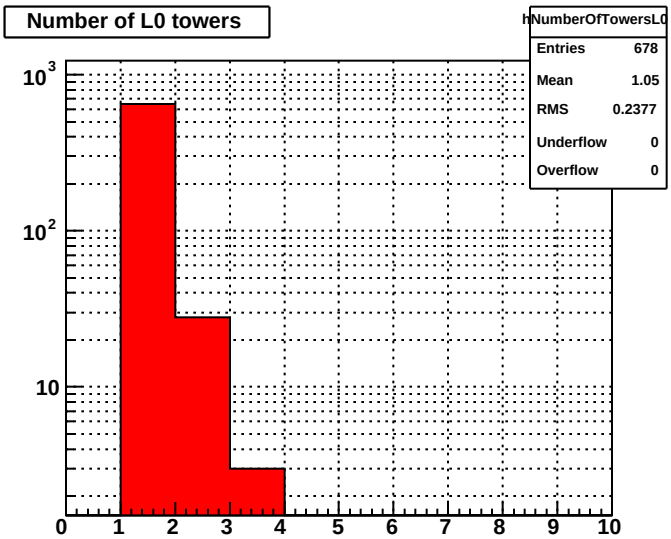
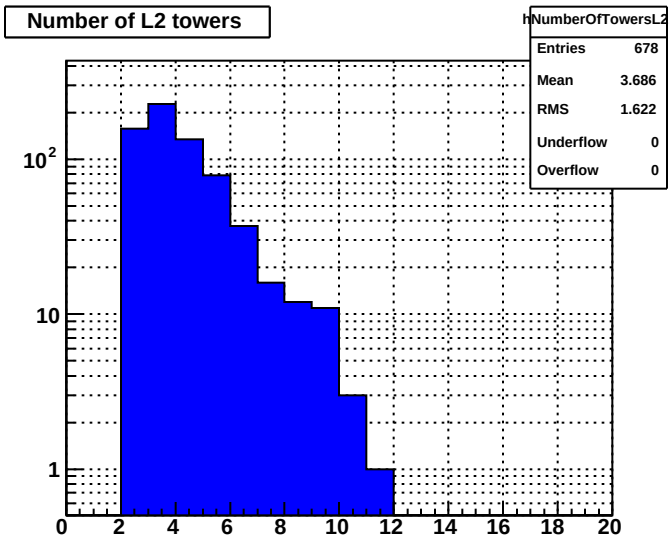
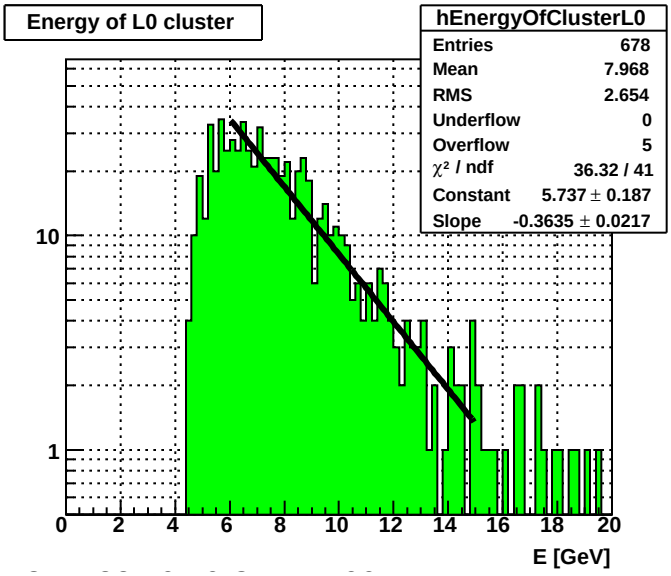
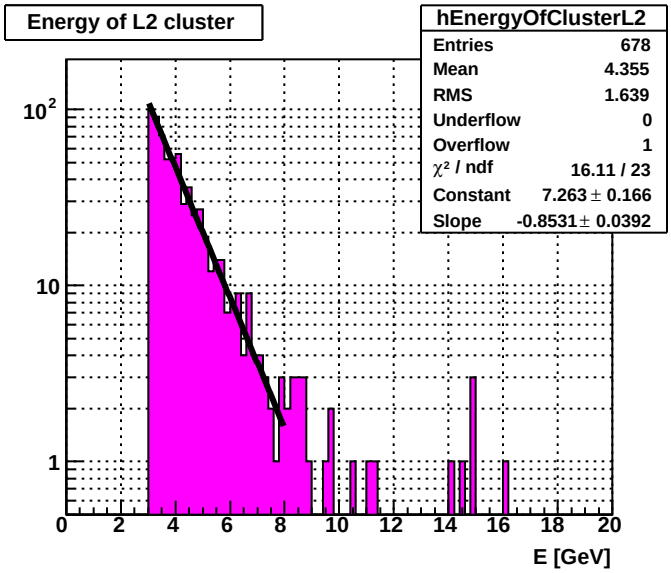

L0 tower
hEtaPhiL0
Entries 678
Mean x 0.01991
Mean y 0.1003
RMS x 0.5573
RMS y 1.818
φ [radians]
η

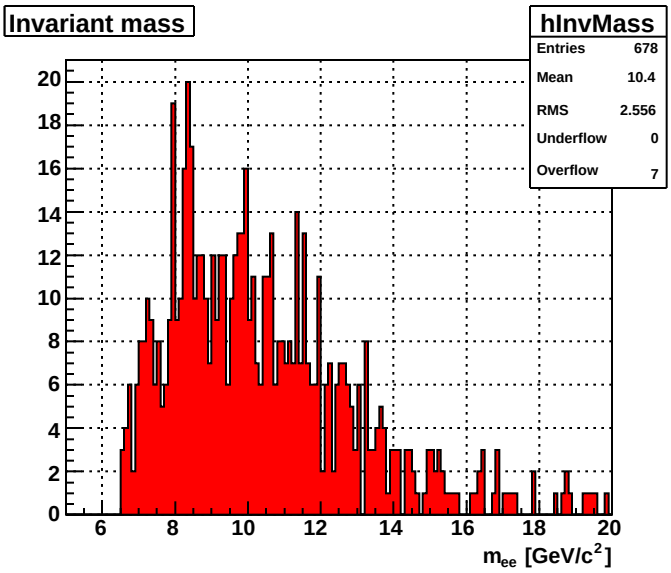

L2 tower
hEtaPhiL2
Entries 678
Mean x 0.02942
Mean y 0.06853
RMS x 0.6577
RMS y 1.791
φ [radians]
η

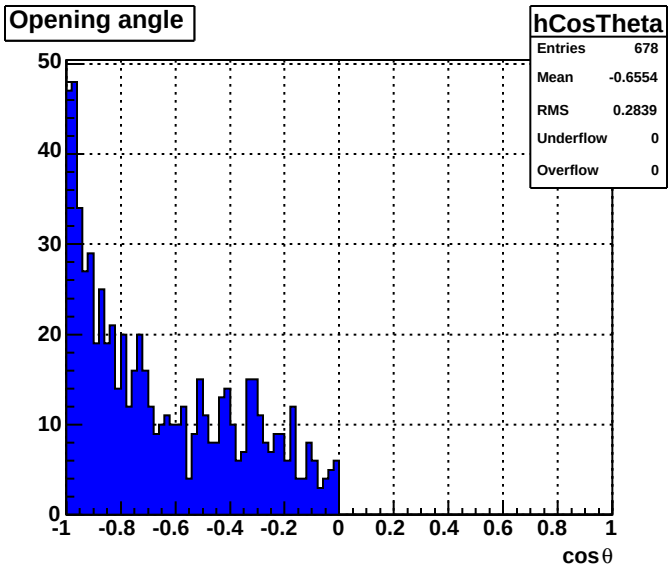

Number of L0 towers
hNumberOfTowersL0
Entries 678
Mean 1.05
RMS 0.2377
Underflow 0
Overflow 0

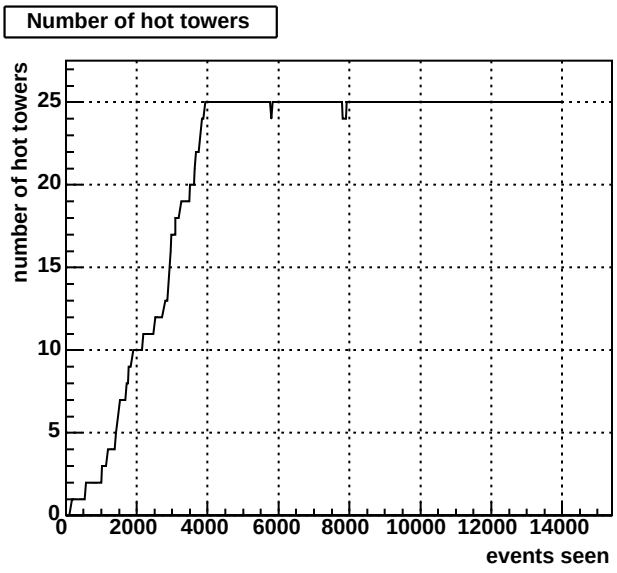

Number of L2 towers
hNumberOfTowersL2
Entries 678
Mean 3.686
RMS 1.622
Underflow 0
Overflow 0

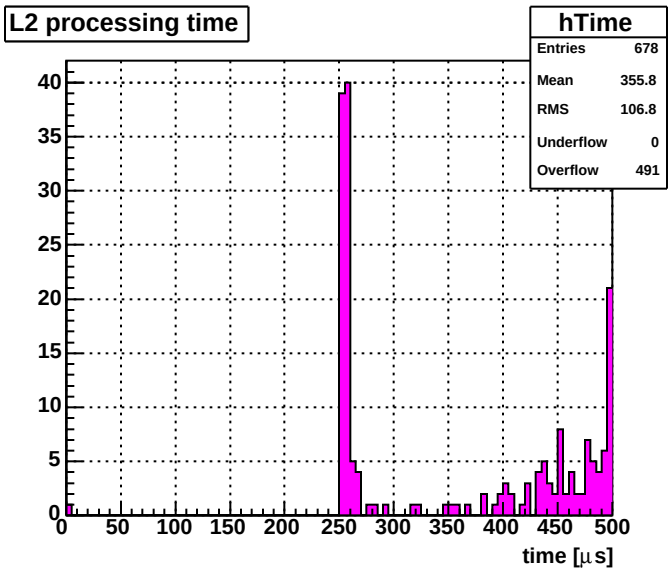

Energy of L0 cluster
hEnergyOfClusterL0
Entries 678
Mean 7.968
RMS 2.654
Underflow 0
Overflow 5
χ² / ndf 36.32 / 41
Constant 5.737 ± 0.187
Slope -0.3635 ± 0.0217
E [GeV]

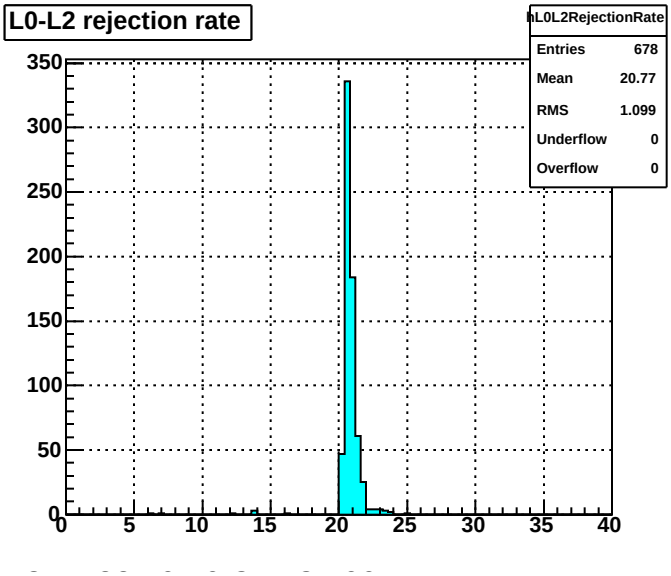

Energy of L2 cluster
hEnergyOfClusterL2
Entries 678
Mean 4.355
RMS 1.639
Underflow 0
Overflow 1
χ² / ndf 16.11 / 23
Constant 7.263 ± 0.166
Slope -0.8531 ± 0.0392
E [GeV]

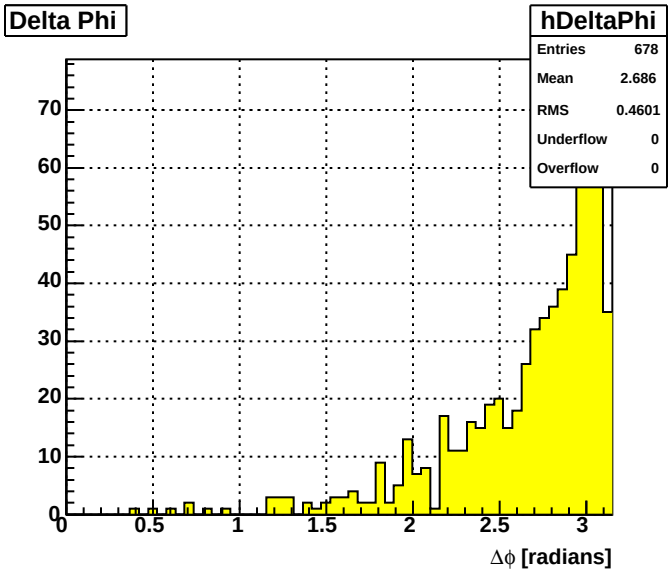

Invariant mass
hInvMass
Entries 678
Mean 10.4
RMS 2.556
Underflow 0
Overflow 7
m_{ee} [GeV/c^2]

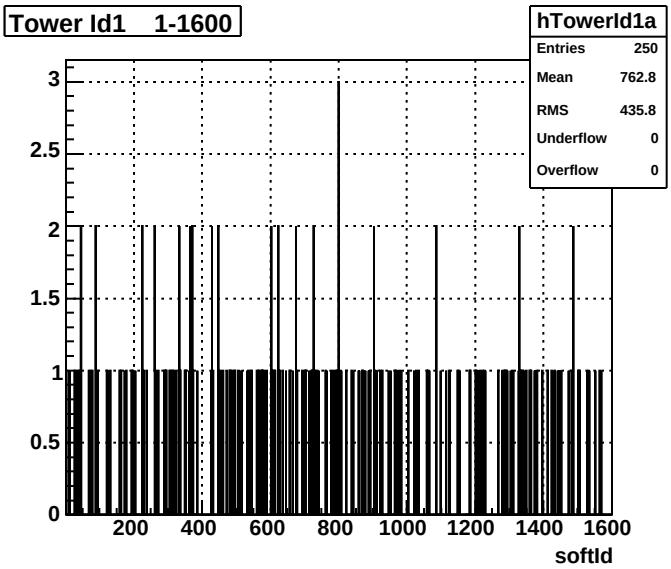

Opening angle
hCosTheta
Entries 678
Mean -0.6554
RMS 0.2839
Underflow 0
Overflow 0
cos θ

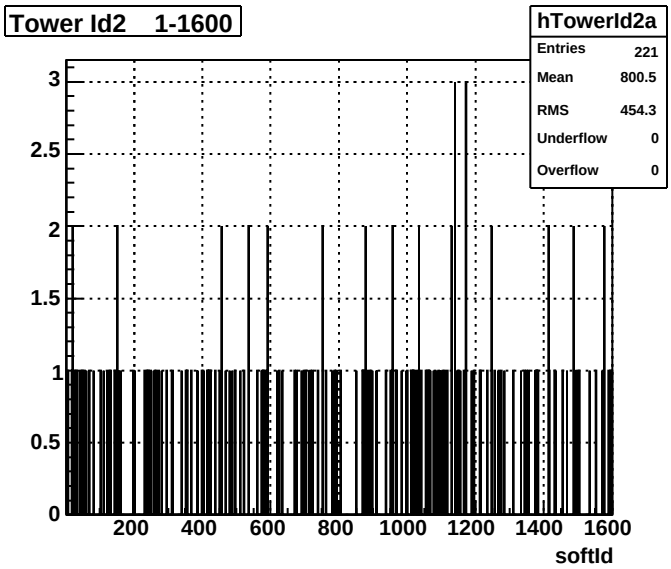

Number of hot towers
number of hot towers
events seen

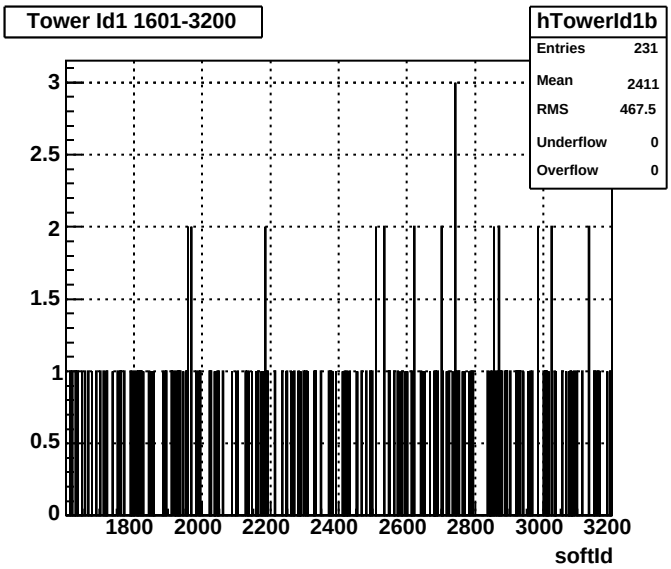

L2 processing time
hTime
Entries 678
Mean 355.8
RMS 106.8
Underflow 0
Overflow 491
time [μs]

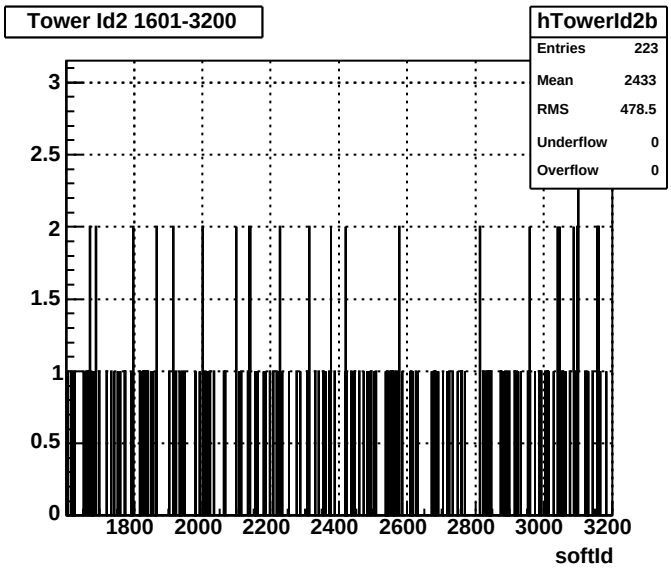

L0-L2 rejection rate
hL0L2RejectionRate
Entries 678
Mean 20.77
RMS 1.099
Underflow 0
Overflow 0

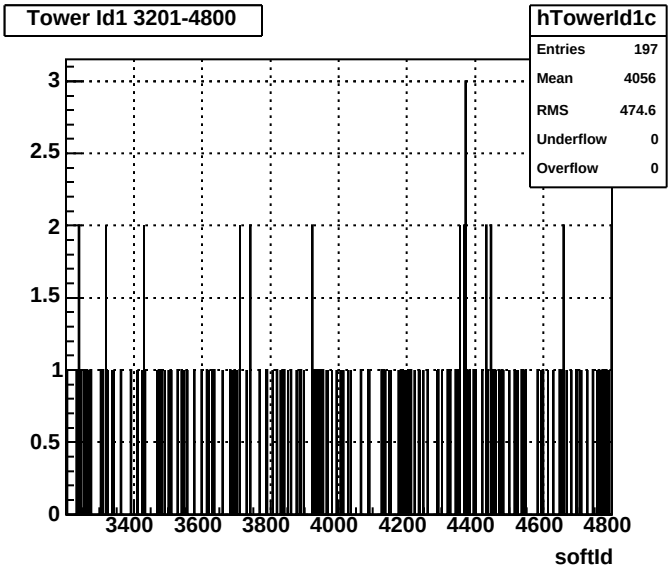

Delta Phi
hDeltaPhi
Entries 678
Mean 2.686
RMS 0.4601
Underflow 0
Overflow 0
Δφ [radians]

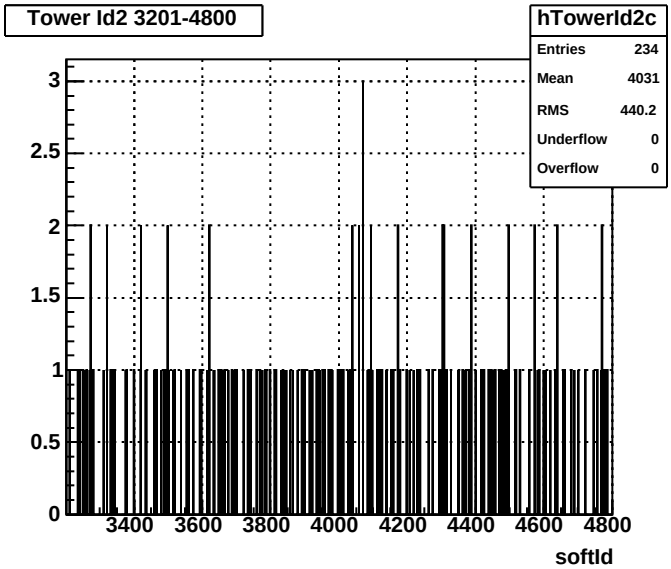

Tower Id1 1-1600
hTowerId1a
Entries 250
Mean 762.8
RMS 435.8
Underflow 0
Overflow 0
softId

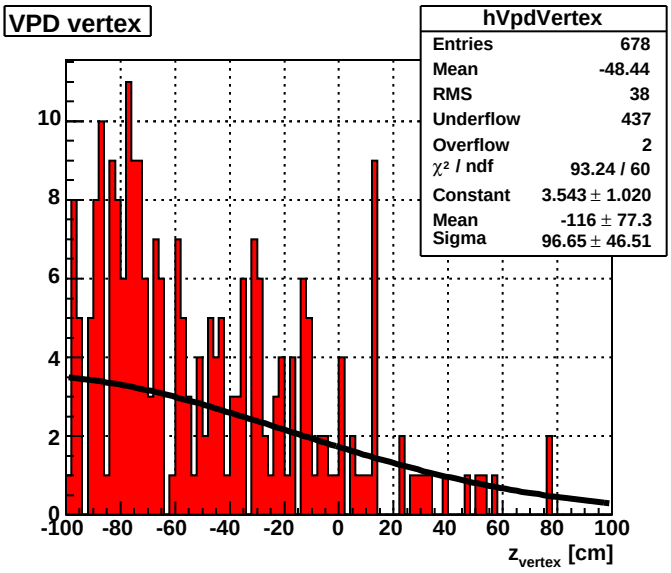

Tower Id2 1-1600
hTowerId2a
Entries 221
Mean 800.5
RMS 454.3
Underflow 0
Overflow 0
softId

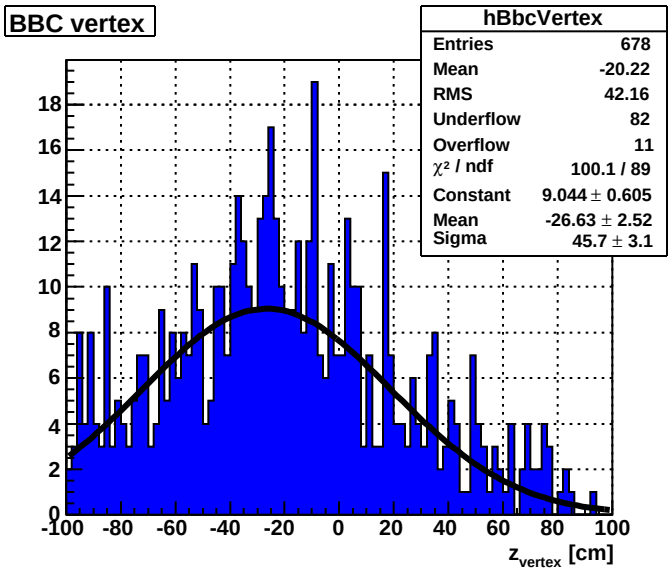

Tower Id1 1601-3200
hTowerId1b
Entries 231
Mean 2411
RMS 467.5
Underflow 0
Overflow 0
softId

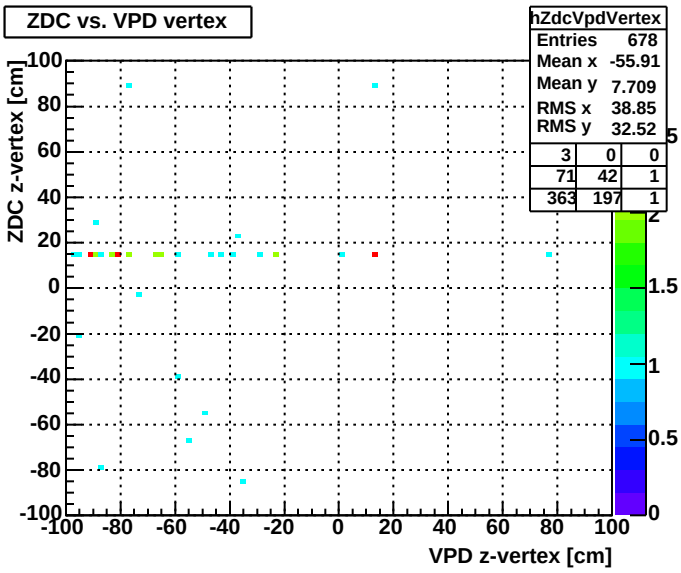

Tower Id2 1601-3200
hTowerId2b
Entries 223
Mean 2433
RMS 478.5
Underflow 0
Overflow 0
softId

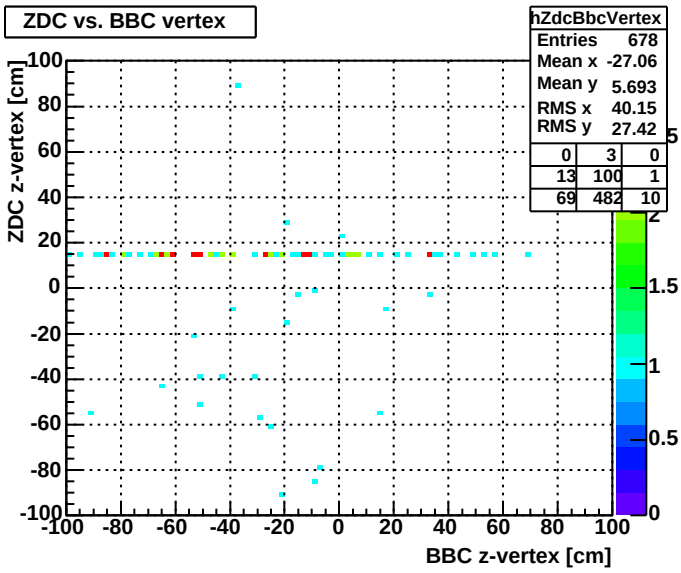

Tower Id1 3201-4800
hTowerId1c
Entries 197
Mean 4056
RMS 474.6
Underflow 0
Overflow 0
softId

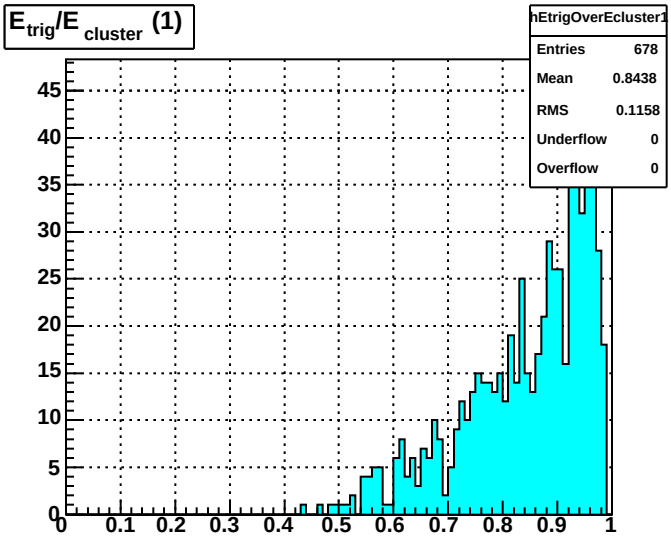

Tower Id2 3201-4800
hTowerId2c
Entries 234
Mean 4031
RMS 440.2
Underflow 0
Overflow 0
softId

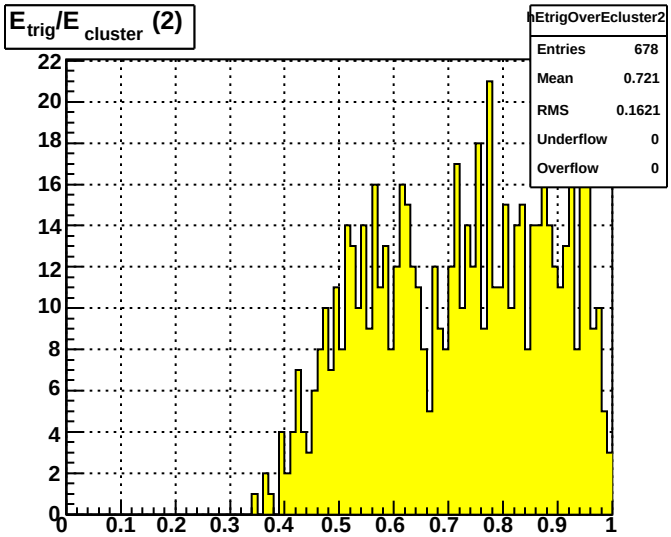

VPD vertex
hVpdVertex
Entries 678
Mean -48.44
RMS 38
Underflow 437
Overflow 2
χ² / ndf 93.24 / 60
Constant 3.543 ± 1.020
Mean -116 ± 77.3
Sigma 96.65 ± 46.51
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 678
Mean -20.22
RMS 42.16
Underflow 82
Overflow 11
χ² / ndf 100.1 / 89
Constant 9.044 ± 0.605
Mean -26.63 ± 2.52
Sigma 45.7 ± 3.1
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 678
Mean x -55.91
Mean y 7.709
RMS x 38.85
RMS y 32.52
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 678
Mean x -27.06
Mean y 5.693
RMS x 40.15
RMS y 27.42
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 678
Mean 0.8438
RMS 0.1158
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 678
Mean 0.721
RMS 0.1621
Underflow 0
Overflow 0