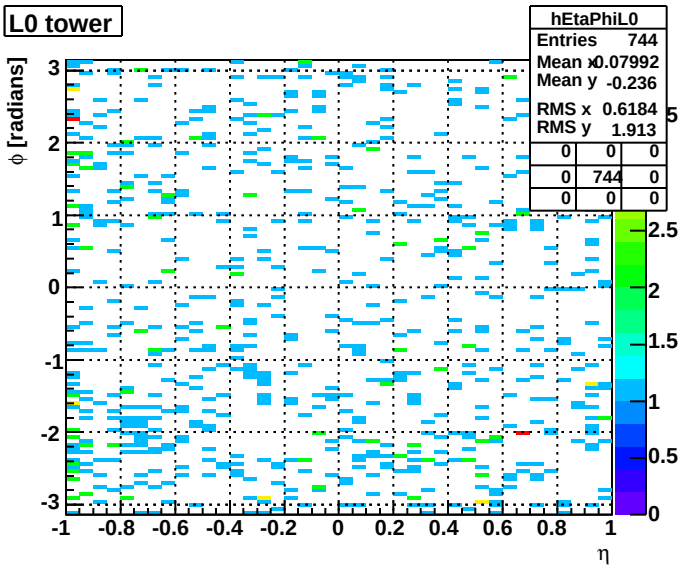
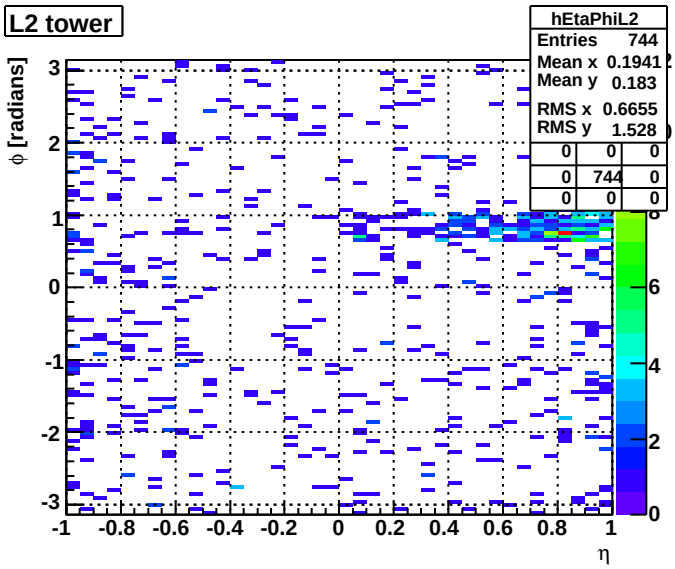
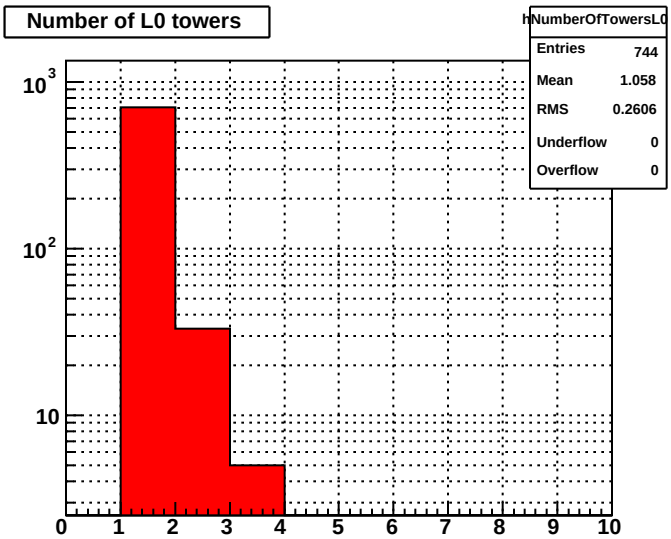
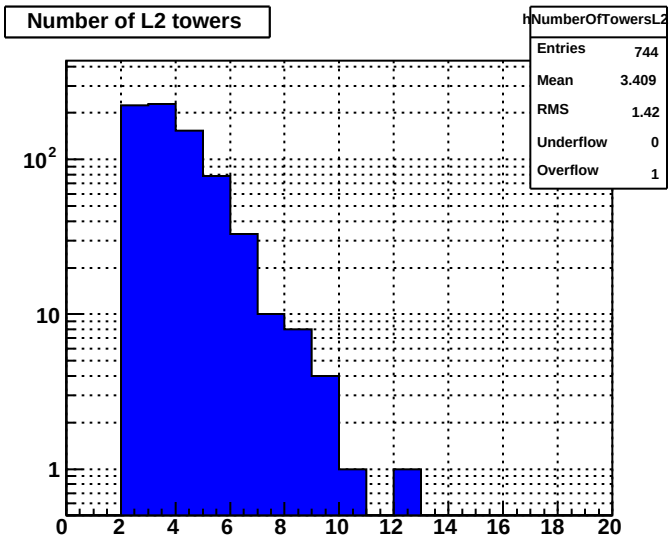
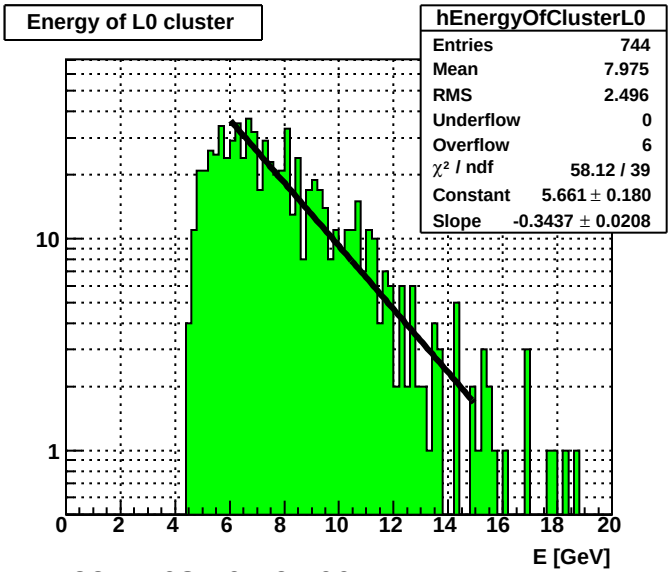
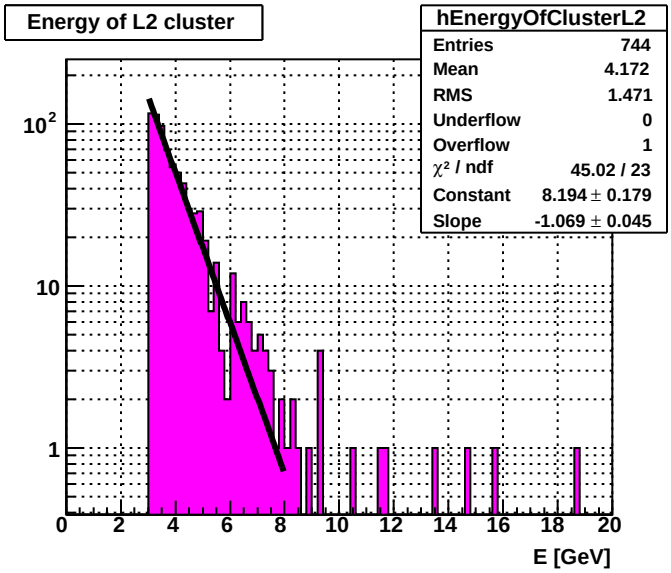

L0 tower
hEtaPhiL0
Entries 744
Mean x 0.07992
Mean y -0.236
RMS x 0.6184
RMS y 1.913
φ [radians]
η

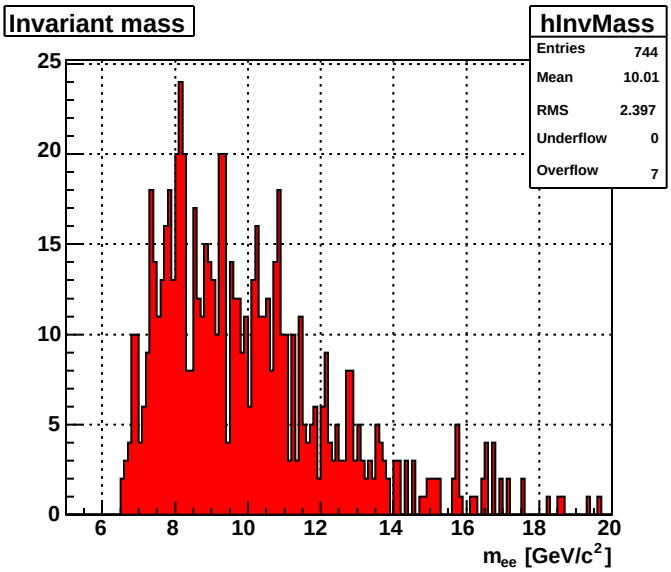

L2 tower
hEtaPhiL2
Entries 744
Mean x 0.1941
Mean y 0.183
RMS x 0.6655
RMS y 1.528
φ [radians]
η

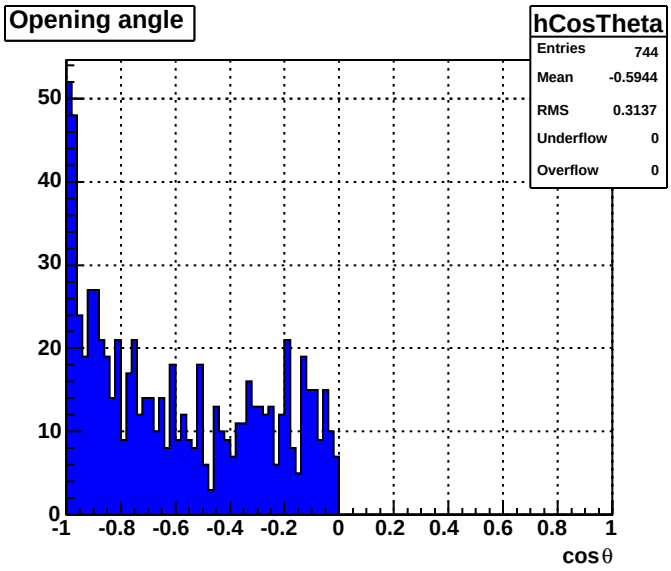

Number of L0 towers
hNumberOfTowersL0
Entries 744
Mean 1.058
RMS 0.2606
Underflow 0
Overflow 0

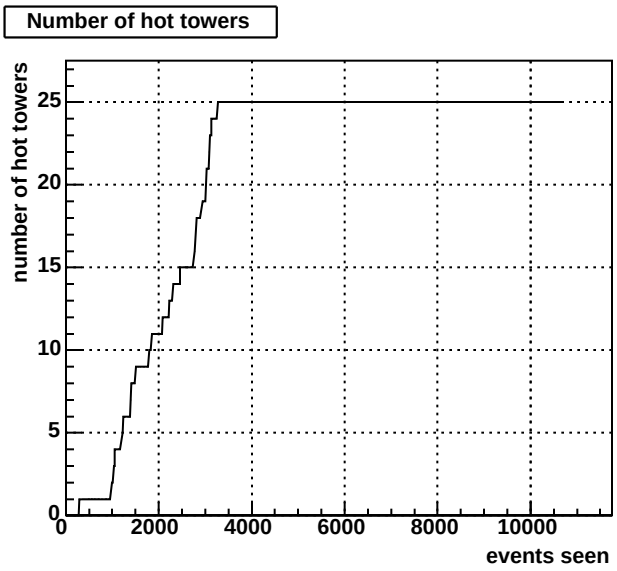

Number of L2 towers
hNumberOfTowersL2
Entries 744
Mean 3.409
RMS 1.42
Underflow 0
Overflow 1

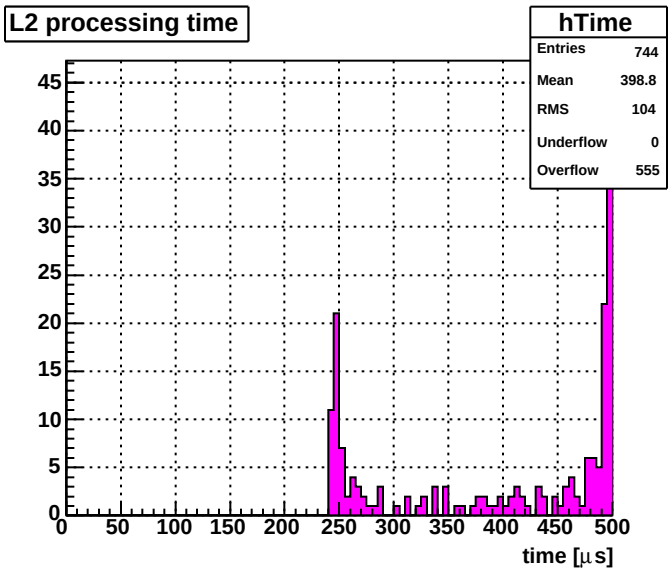

Energy of L0 cluster
hEnergyOfClusterL0
Entries 744
Mean 7.975
RMS 2.496
Underflow 0
Overflow 6
χ² / ndf 58.12 / 39
Constant 5.661 ± 0.180
Slope -0.3437 ± 0.0208
E [GeV]

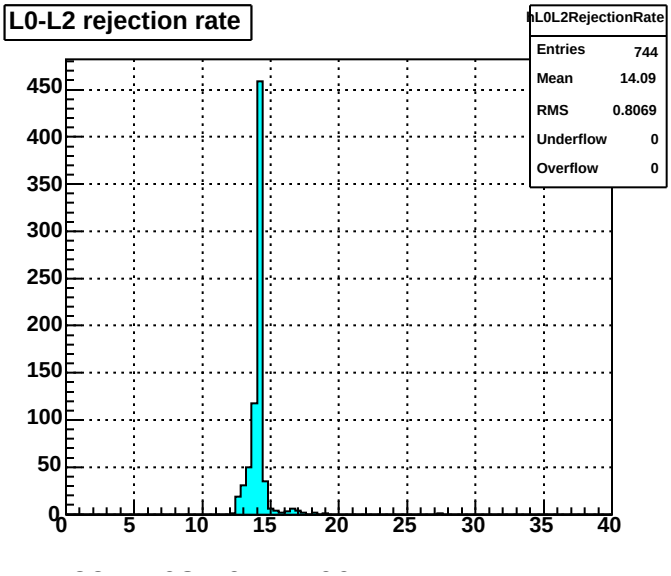

Energy of L2 cluster
hEnergyOfClusterL2
Entries 744
Mean 4.172
RMS 1.471
Underflow 0
Overflow 1
χ² / ndf 45.02 / 23
Constant 8.194 ± 0.179
Slope -1.069 ± 0.045
E [GeV]

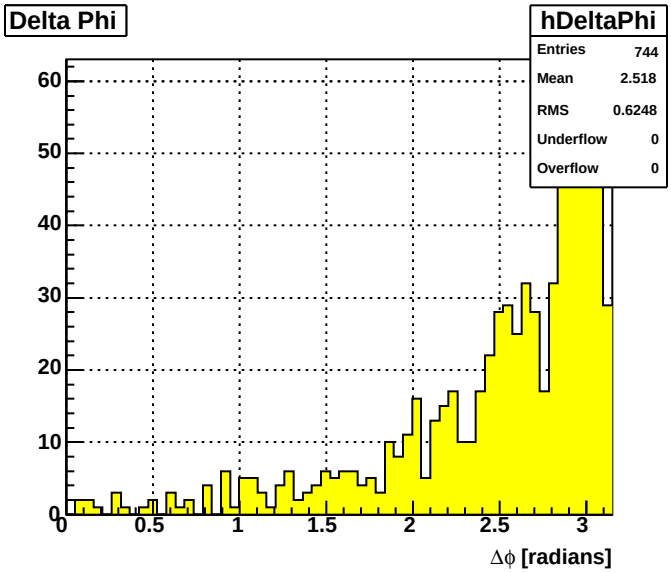

Invariant mass
hInvMass
Entries 744
Mean 10.01
RMS 2.397
Underflow 0
Overflow 7
m_{ee} [GeV/c^2]

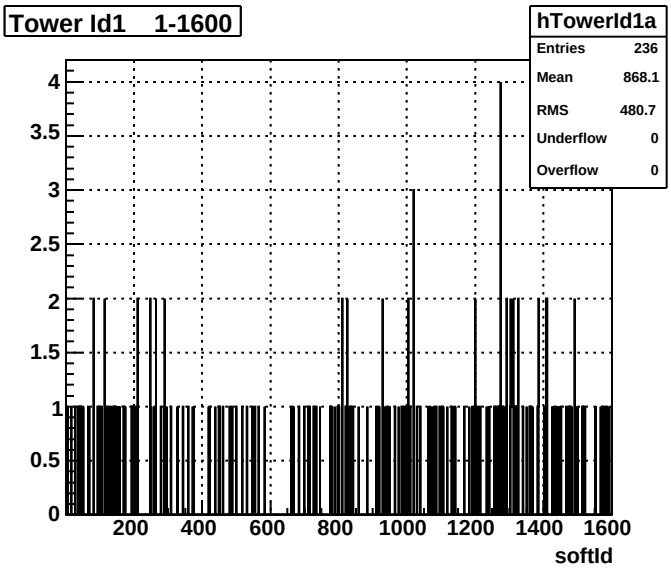

Opening angle
hCosTheta
Entries 744
Mean -0.5944
RMS 0.3137
Underflow 0
Overflow 0
cos θ

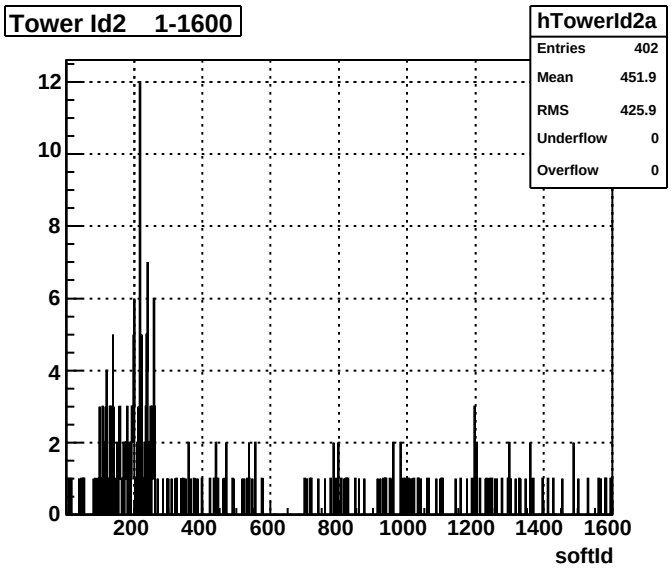

Number of hot towers
number of hot towers
events seen

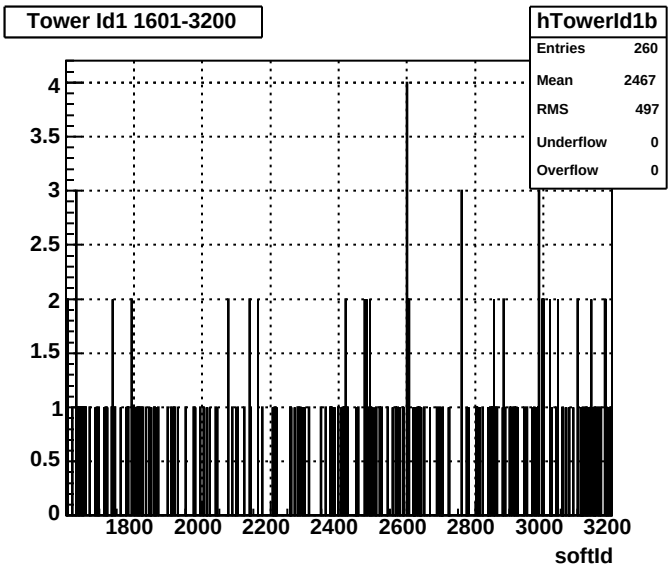

L2 processing time
hTime
Entries 744
Mean 398.8
RMS 104
Underflow 0
Overflow 555
time [μs]

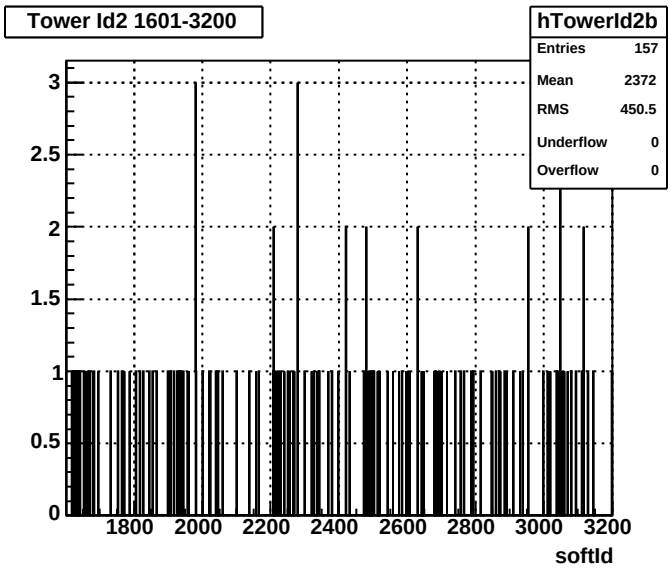

L0-L2 rejection rate
hL0L2RejectionRate
Entries 744
Mean 14.09
RMS 0.8069
Underflow 0
Overflow 0

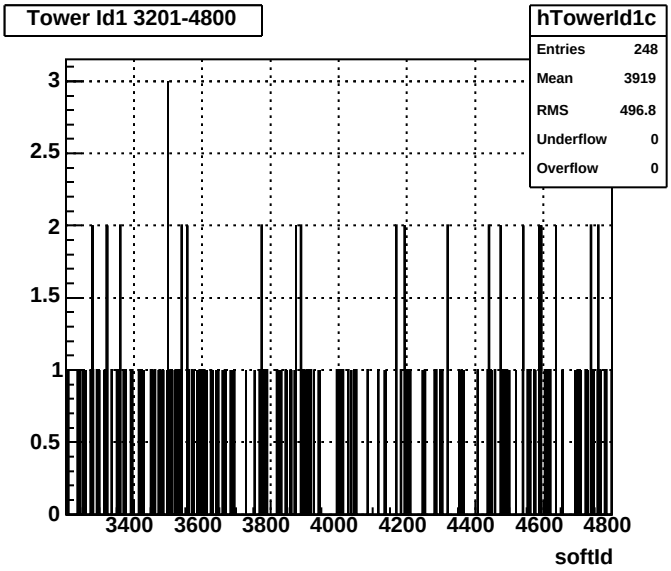

Delta Phi
hDeltaPhi
Entries 744
Mean 2.518
RMS 0.6248
Underflow 0
Overflow 0
Δφ [radians]

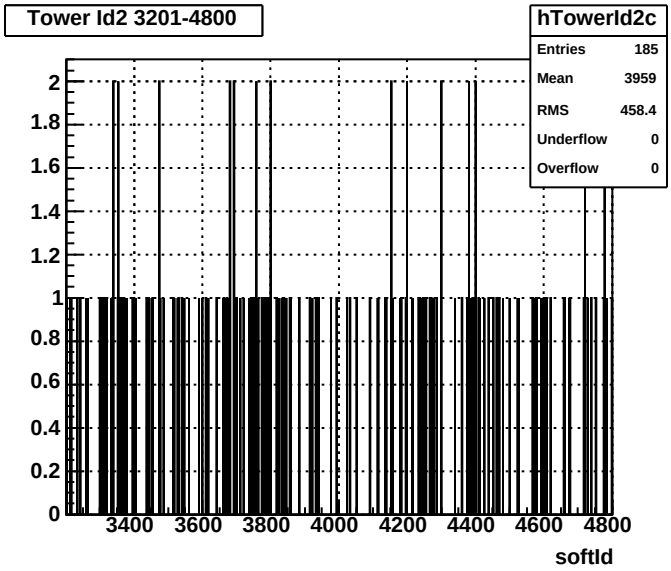

Tower Id1 1-1600
hTowerId1a
Entries 236
Mean 868.1
RMS 480.7
Underflow 0
Overflow 0
softId

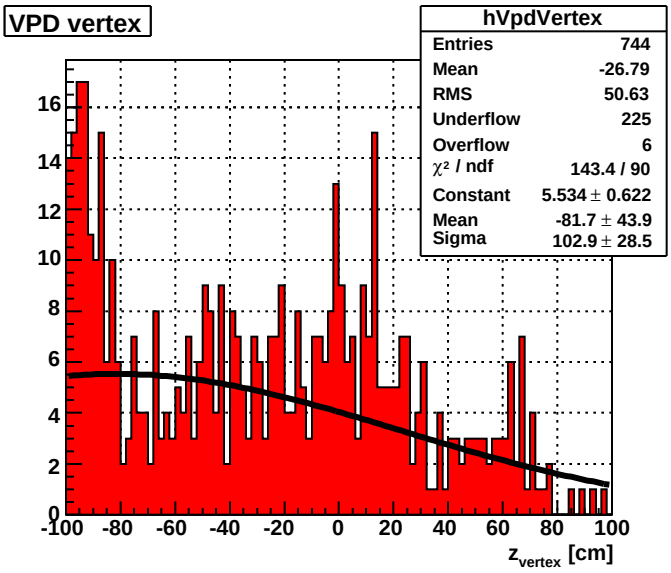

Tower Id2 1-1600
hTowerId2a
Entries 402
Mean 451.9
RMS 425.9
Underflow 0
Overflow 0
softId

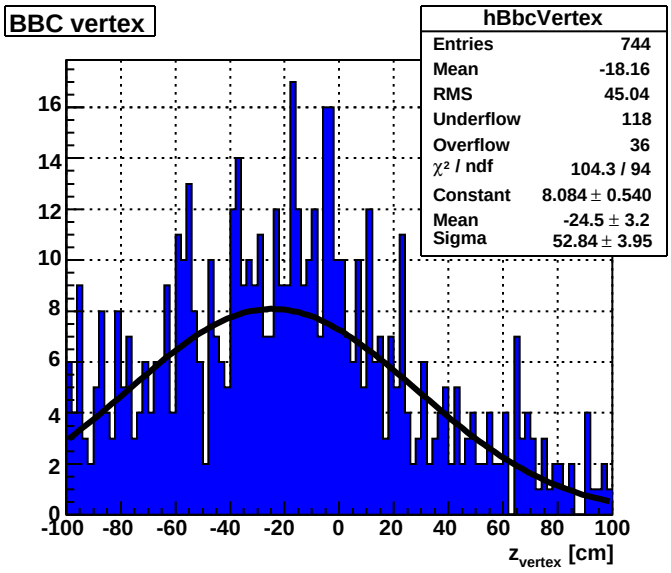

Tower Id1 1601-3200
hTowerId1b
Entries 260
Mean 2467
RMS 497
Underflow 0
Overflow 0
softId

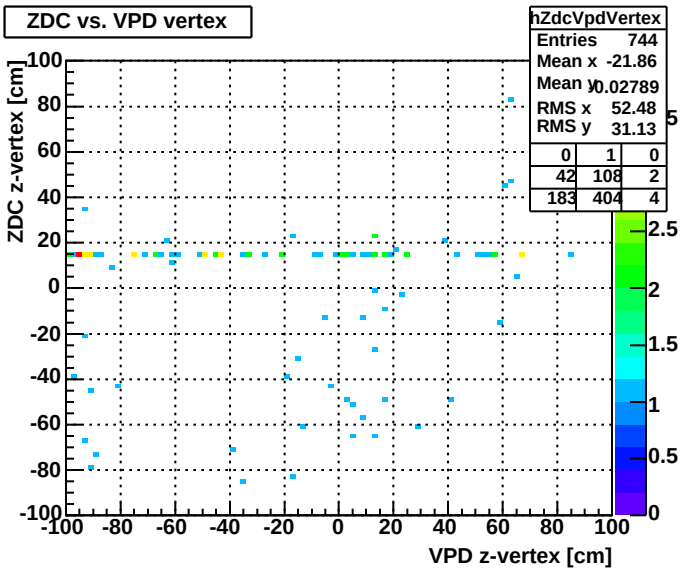

Tower Id2 1601-3200
hTowerId2b
Entries 157
Mean 2372
RMS 450.5
Underflow 0
Overflow 0
softId

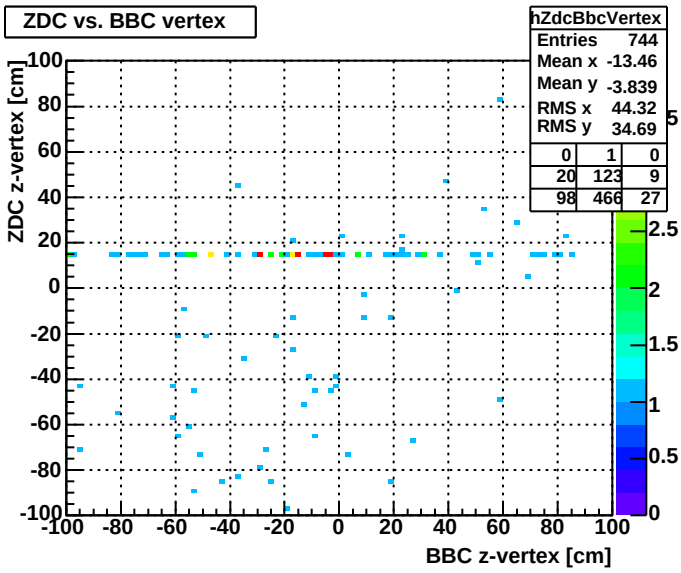

Tower Id1 3201-4800
hTowerId1c
Entries 248
Mean 3919
RMS 496.8
Underflow 0
Overflow 0
softId

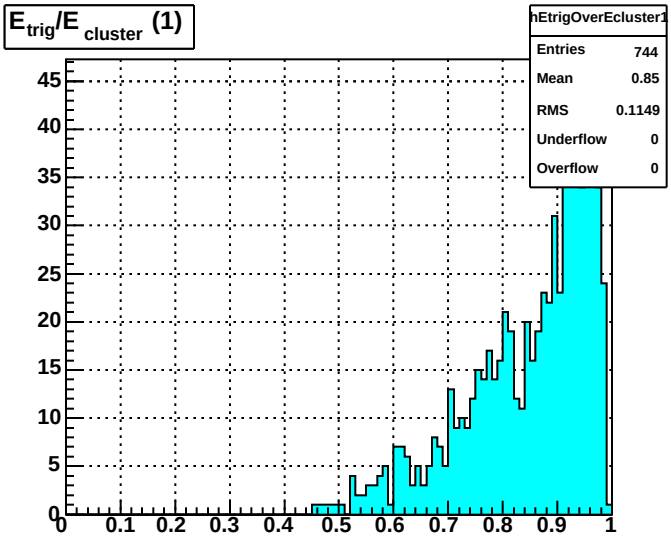

Tower Id2 3201-4800
hTowerId2c
Entries 185
Mean 3959
RMS 458.4
Underflow 0
Overflow 0
softId

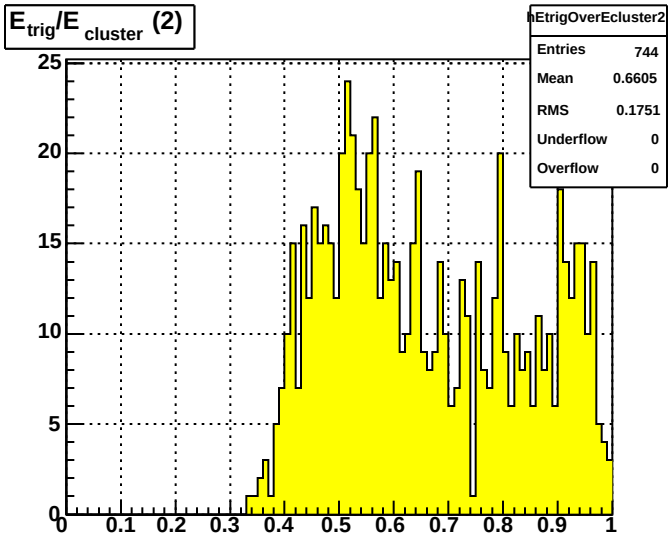

VPD vertex
hVpdVertex
Entries 744
Mean -26.79
RMS 50.63
Underflow 225
Overflow 6
χ² / ndf 143.4 / 90
Constant 5.534 ± 0.622
Mean -81.7 ± 43.9
Sigma 102.9 ± 28.5
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 744
Mean -18.16
RMS 45.04
Underflow 118
Overflow 36
χ² / ndf 104.3 / 94
Constant 8.084 ± 0.540
Mean -24.5 ± 3.2
Sigma 52.84 ± 3.95
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 744
Mean x -21.86
Mean y 0.02789
RMS x 52.48
RMS y 31.13
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 744
Mean x -13.46
Mean y -3.839
RMS x 44.32
RMS y 34.69
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 744
Mean 0.85
RMS 0.1149
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 744
Mean 0.6605
RMS 0.1751
Underflow 0
Overflow 0