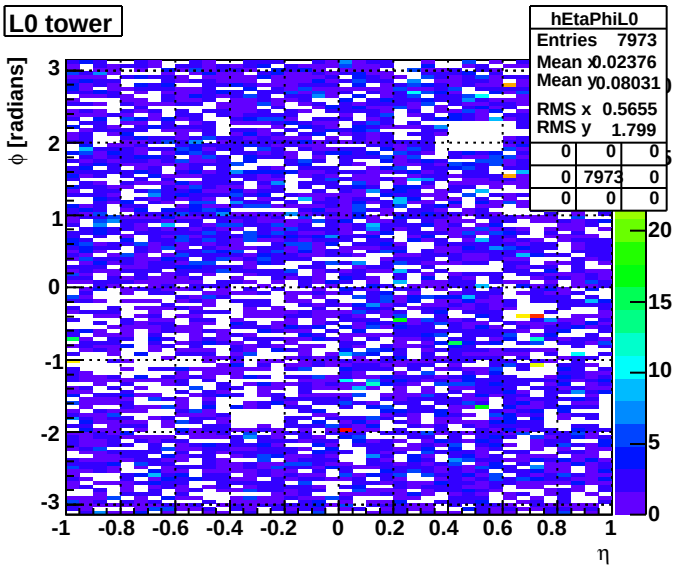
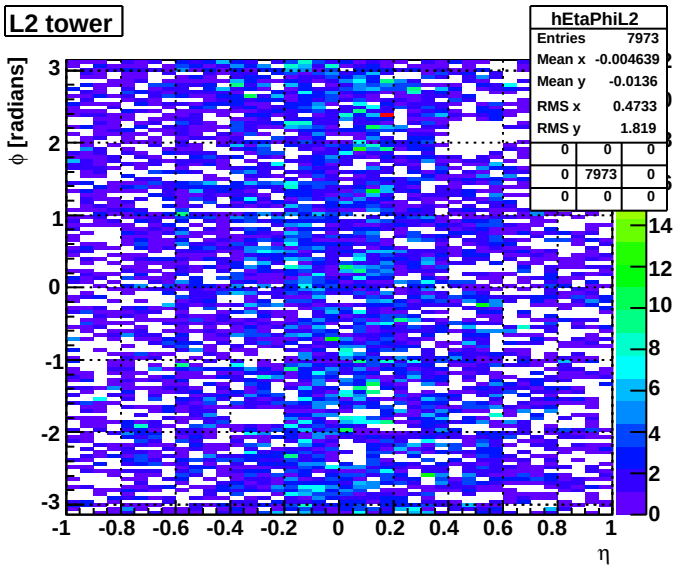
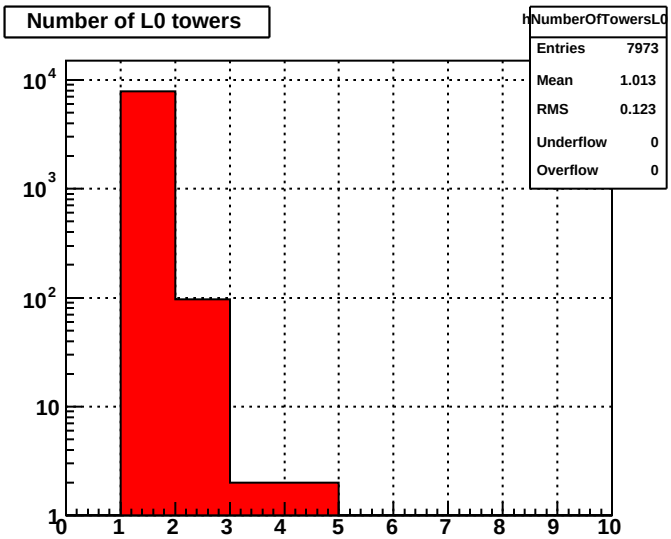
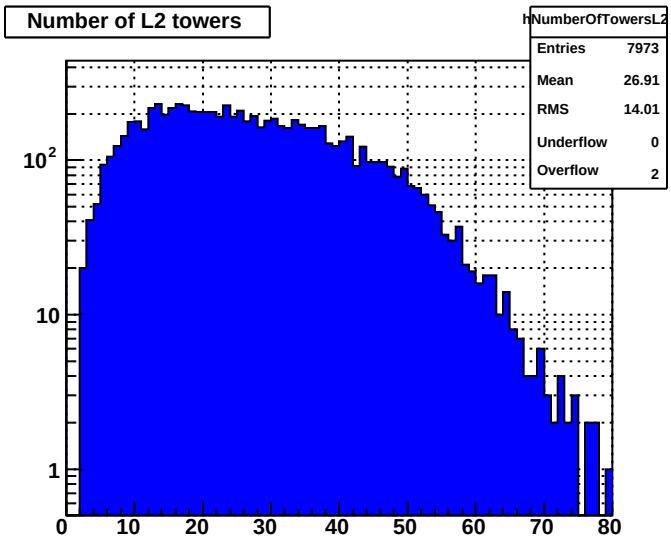
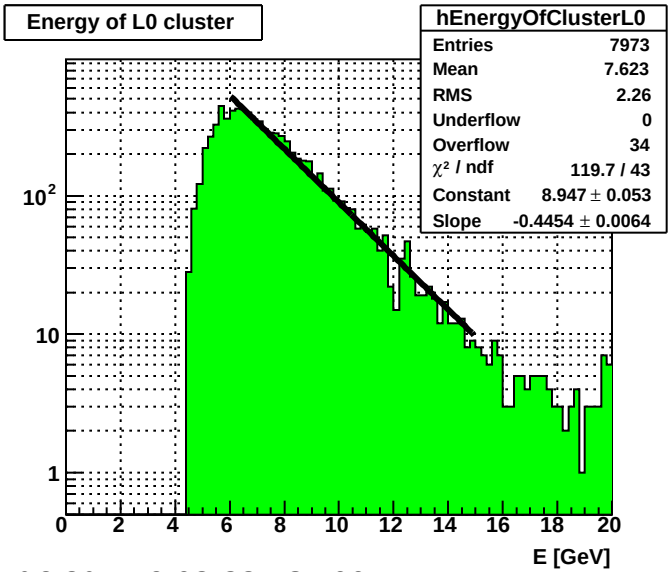
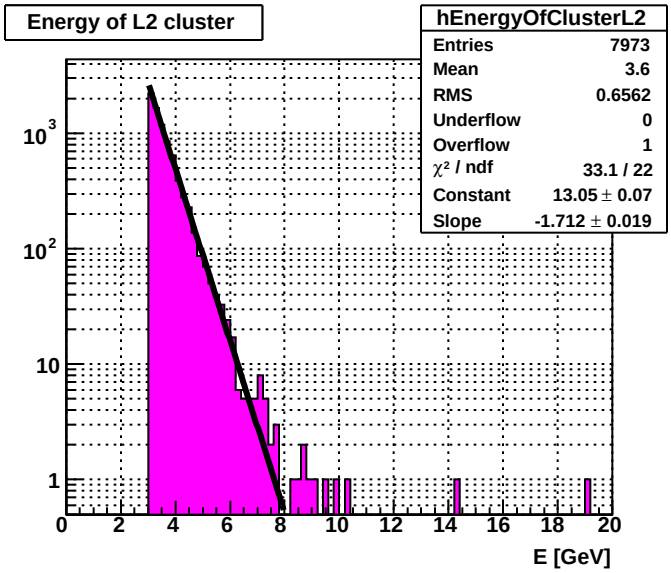

L0 tower
hEtaPhiL0
Entries 7973
Mean x 0.02376
Mean y 0.08031
RMS x 0.5655
RMS y 1.799
φ [radians]
η

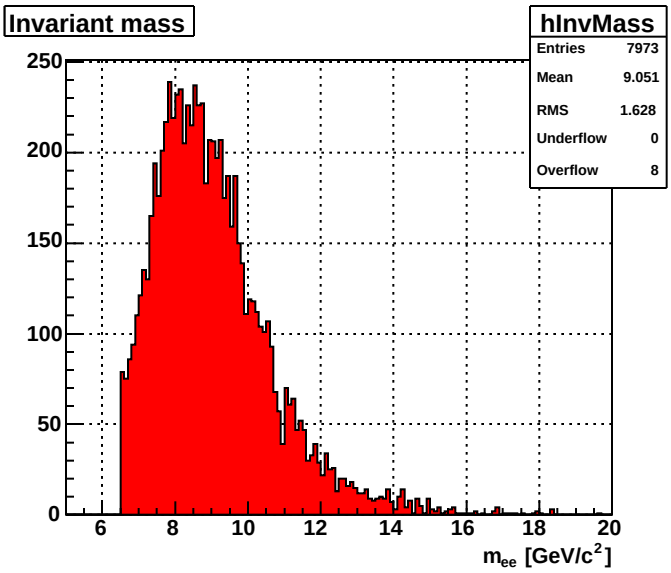

L2 tower
hEtaPhiL2
Entries 7973
Mean x -0.004639
Mean y -0.0136
RMS x 0.4733
RMS y 1.819
φ [radians]
η

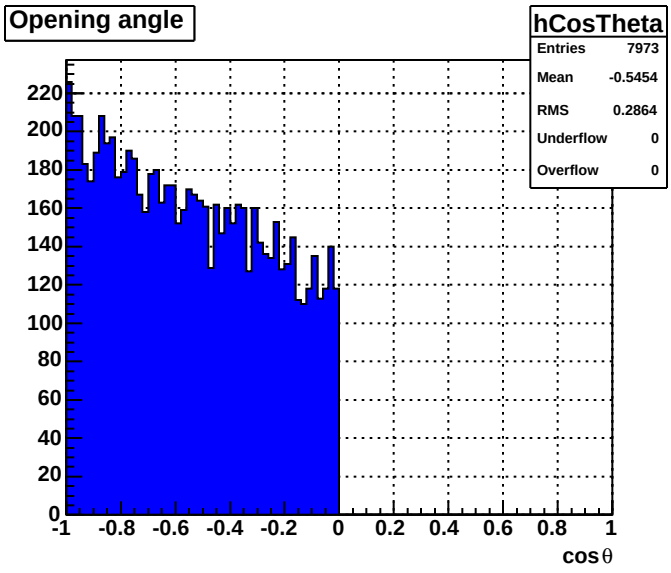

Number of L0 towers
hNumberOfTowersL0
Entries 7973
Mean 1.013
RMS 0.123
Underflow 0
Overflow 0

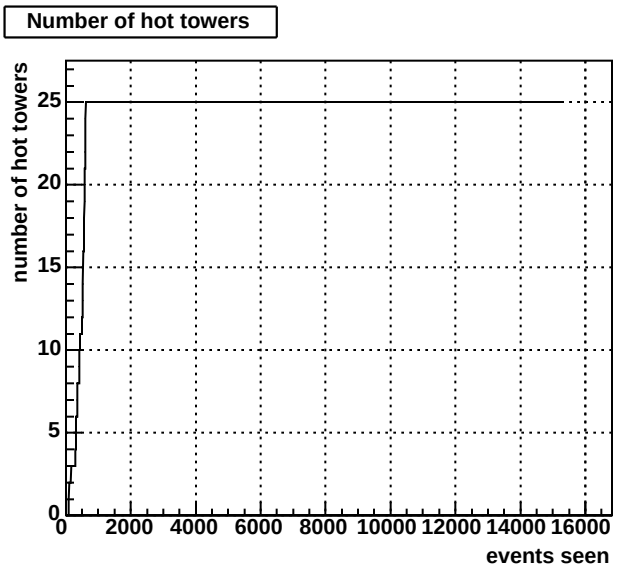

Number of L2 towers
hNumberOfTowersL2
Entries 7973
Mean 26.91
RMS 14.01
Underflow 0
Overflow 2

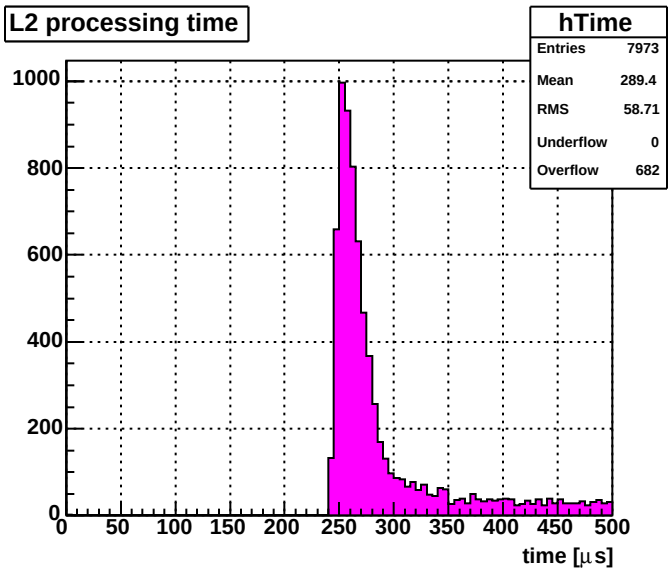

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7973
Mean 7.623
RMS 2.26
Underflow 0
Overflow 34
χ² / ndf 119.7 / 43
Constant 8.947 ± 0.053
Slope -0.4454 ± 0.0064
E [GeV]

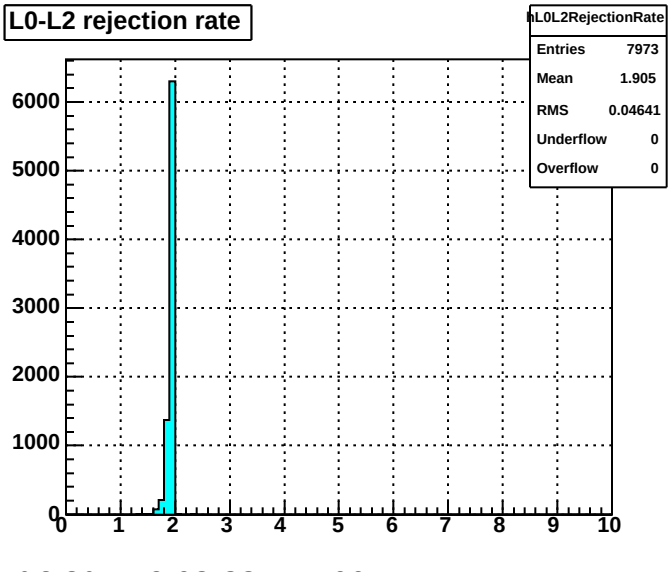

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7973
Mean 3.6
RMS 0.6562
Underflow 0
Overflow 1
χ² / ndf 33.1 / 22
Constant 13.05 ± 0.07
Slope -1.712 ± 0.019
E [GeV]

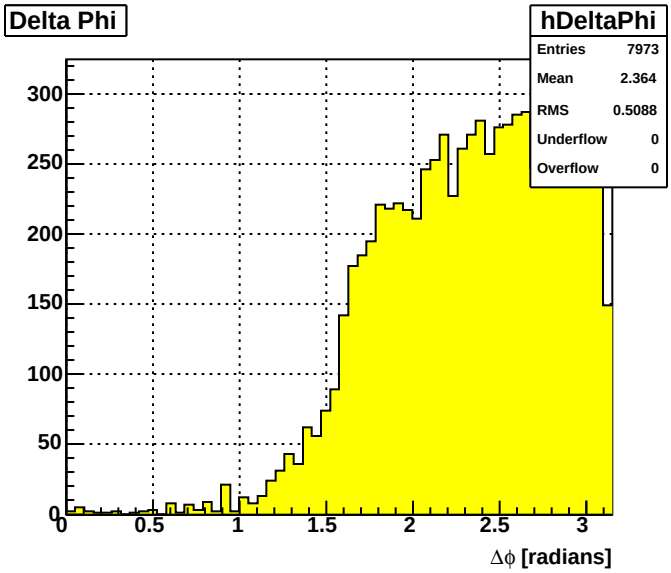

Invariant mass
hInvMass
Entries 7973
Mean 9.051
RMS 1.628
Underflow 0
Overflow 8
m_{ee} [GeV/c^2]

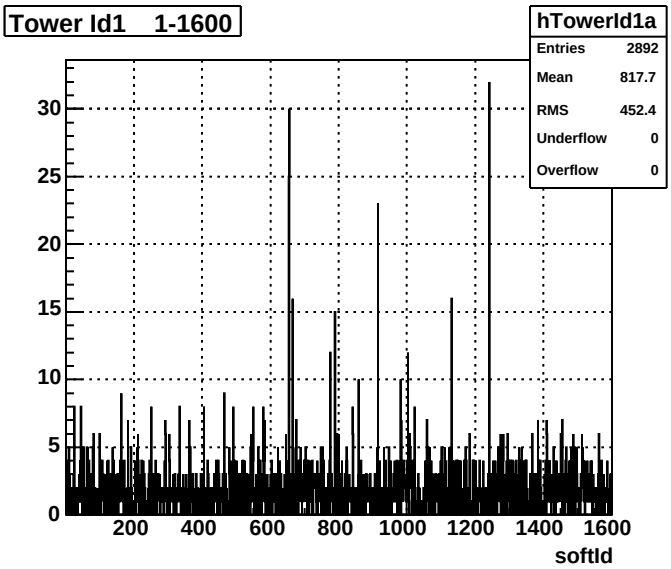

Opening angle
hCosTheta
Entries 7973
Mean -0.5454
RMS 0.2864
Underflow 0
Overflow 0
cos θ

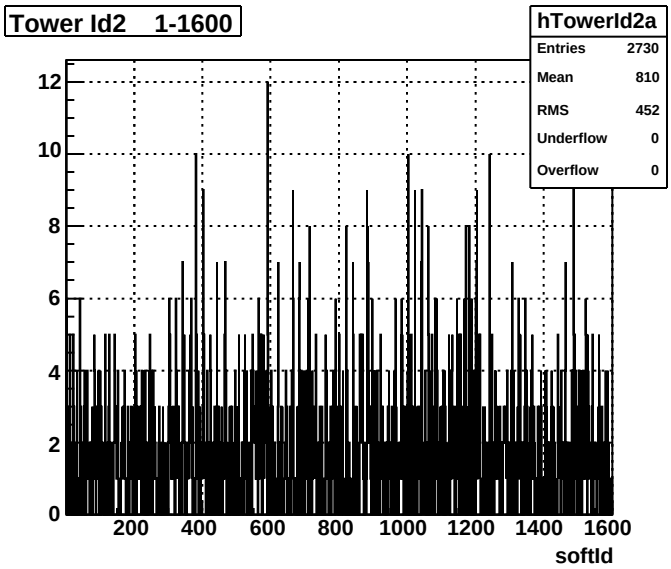

Number of hot towers
number of hot towers
events seen

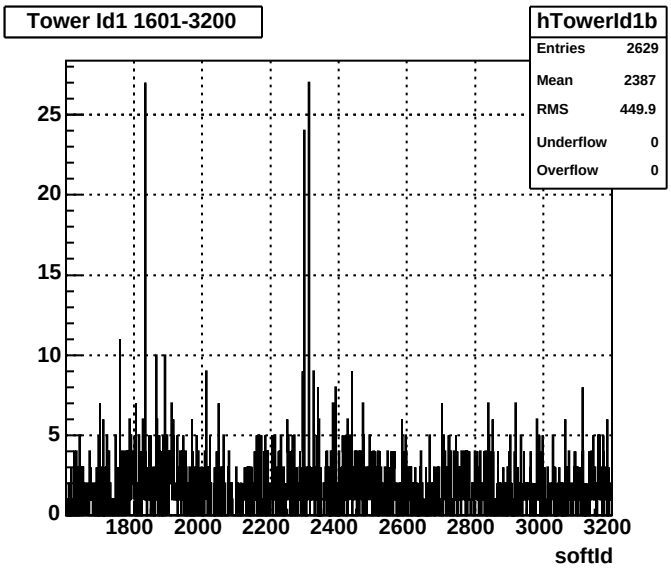

L2 processing time
hTime
Entries 7973
Mean 289.4
RMS 58.71
Underflow 0
Overflow 682
time [μs]

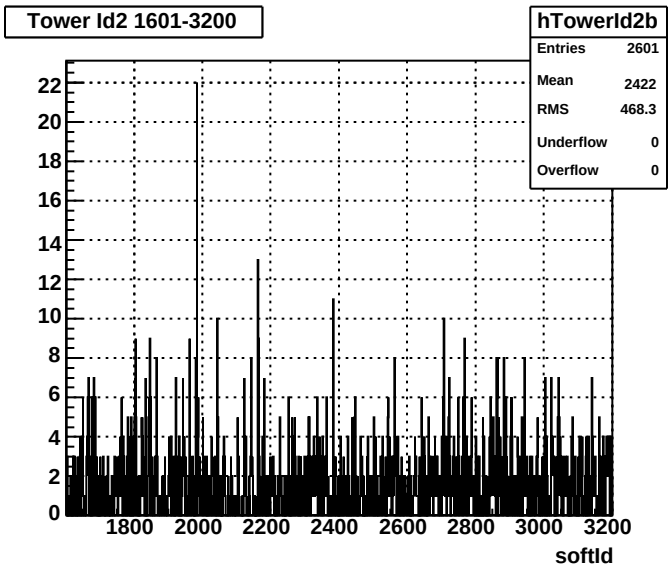

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7973
Mean 1.905
RMS 0.04641
Underflow 0
Overflow 0

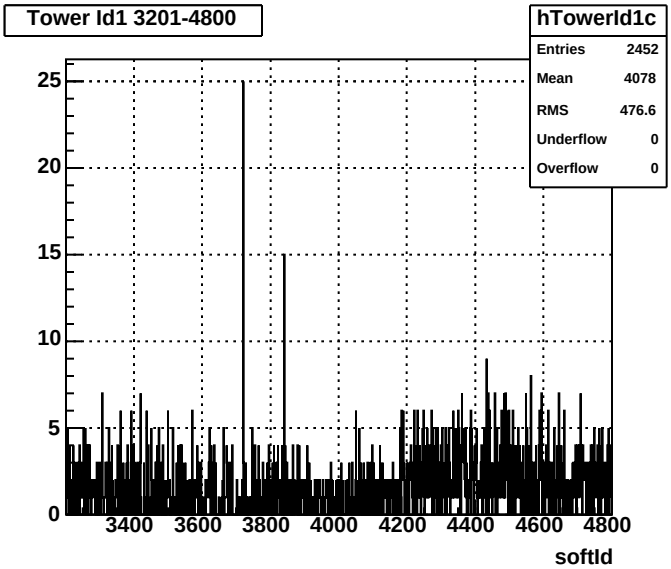

Delta Phi
hDeltaPhi
Entries 7973
Mean 2.364
RMS 0.5088
Underflow 0
Overflow 0
Δφ [radians]

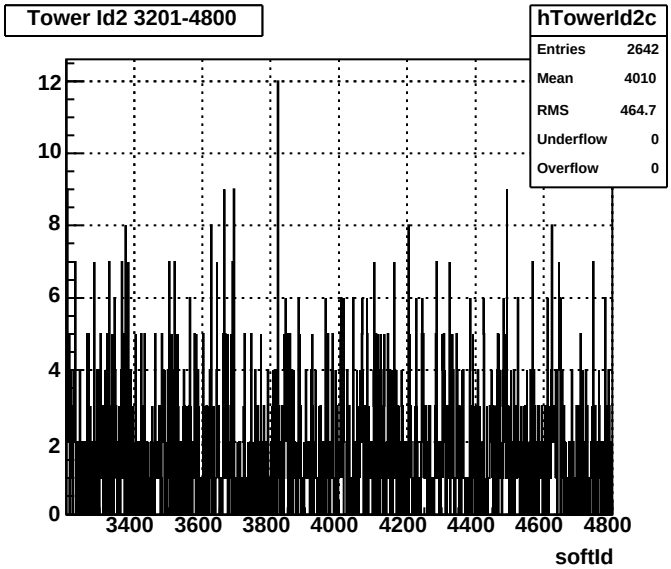

Tower Id1 1-1600
hTowerId1a
Entries 2892
Mean 817.7
RMS 452.4
Underflow 0
Overflow 0
softId

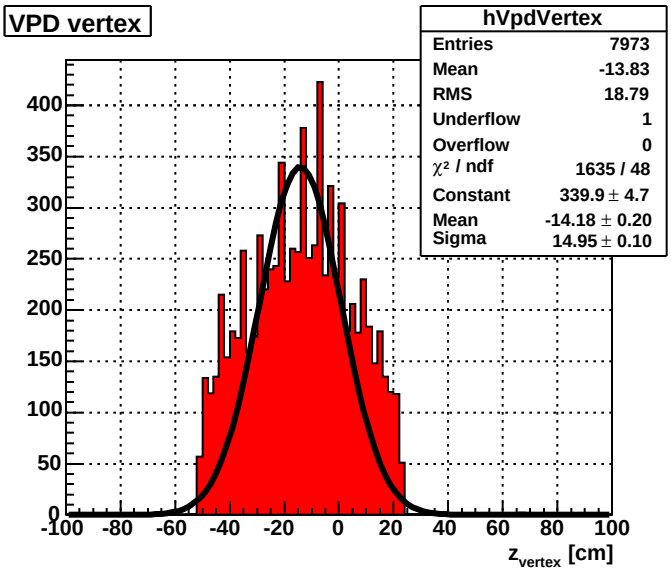

Tower Id2 1-1600
hTowerId2a
Entries 2730
Mean 810
RMS 452
Underflow 0
Overflow 0
softId

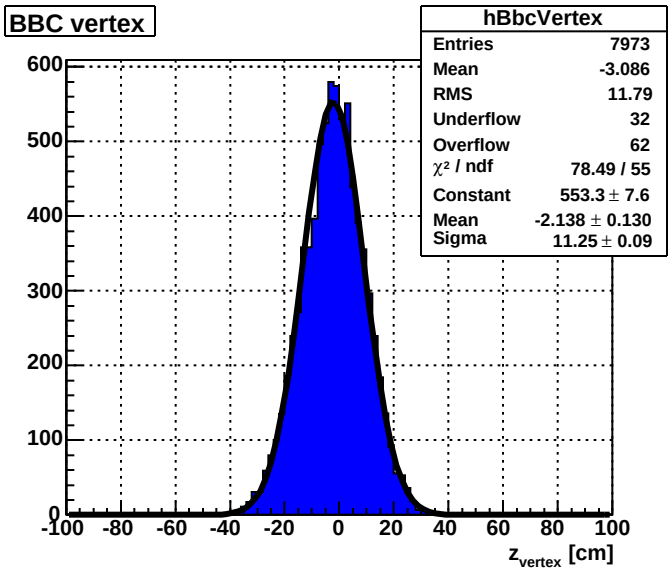

Tower Id1 1601-3200
hTowerId1b
Entries 2629
Mean 2387
RMS 449.9
Underflow 0
Overflow 0
softId

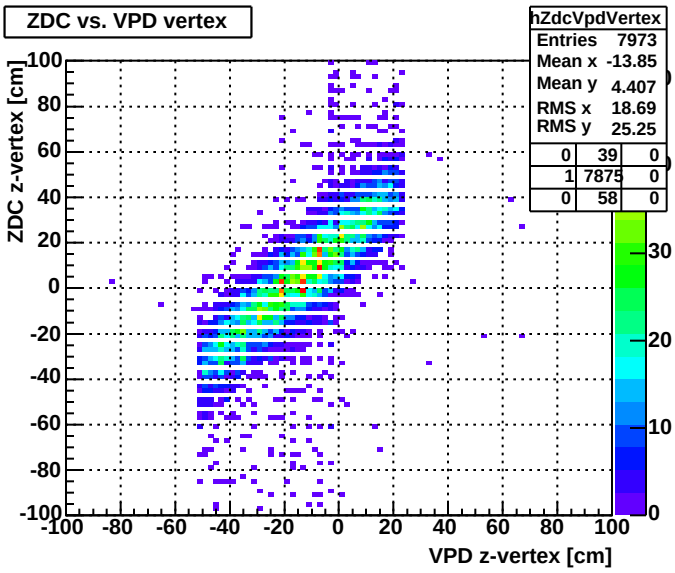

Tower Id2 1601-3200
hTowerId2b
Entries 2601
Mean 2422
RMS 468.3
Underflow 0
Overflow 0
softId

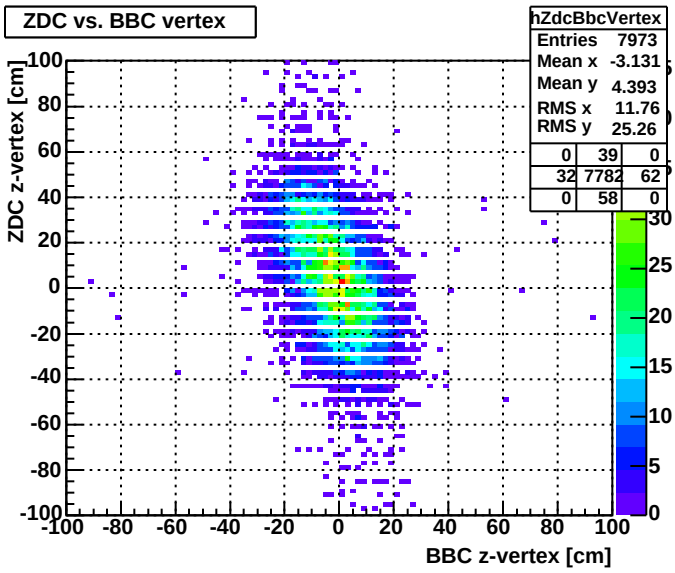

Tower Id1 3201-4800
hTowerId1c
Entries 2452
Mean 4078
RMS 476.6
Underflow 0
Overflow 0
softId

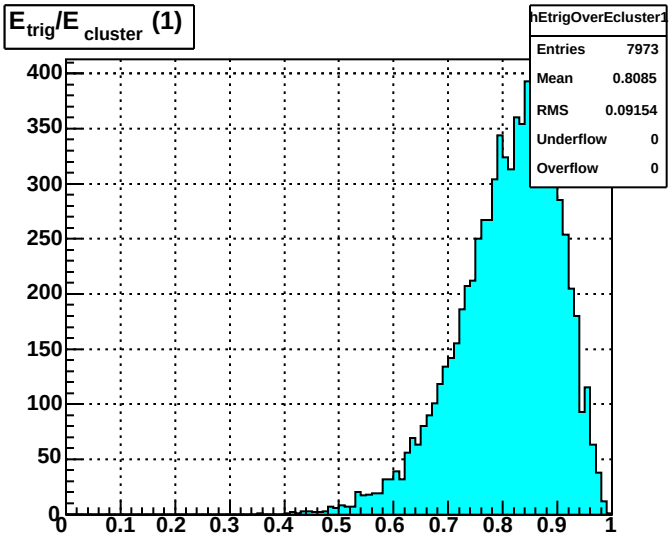

Tower Id2 3201-4800
hTowerId2c
Entries 2642
Mean 4010
RMS 464.7
Underflow 0
Overflow 0
softId

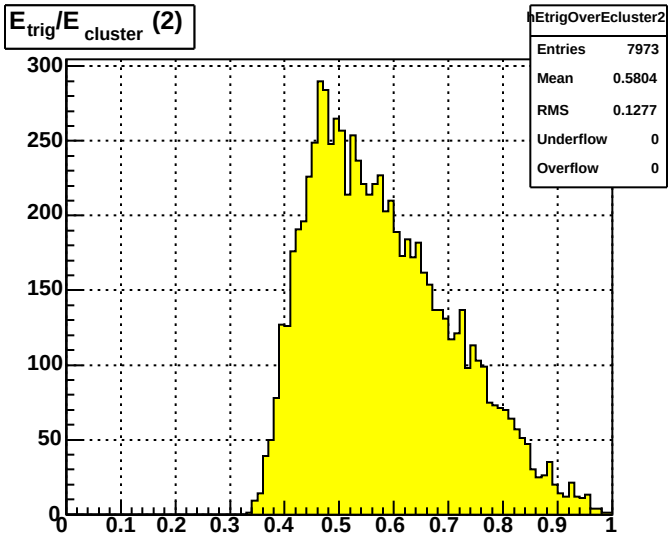

VPD vertex
hVpdVertex
Entries 7973
Mean -13.83
RMS 18.79
Underflow 1
Overflow 0
χ² / ndf 1635 / 48
Constant 339.9 ± 4.7
Mean -14.18 ± 0.20
Sigma 14.95 ± 0.10
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7973
Mean -3.086
RMS 11.79
Underflow 32
Overflow 62
χ² / ndf 78.49 / 55
Constant 553.3 ± 7.6
Mean -2.138 ± 0.130
Sigma 11.25 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7973
Mean x -13.85
Mean y 4.407
RMS x 18.69
RMS y 25.25
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7973
Mean x -3.131
Mean y 4.393
RMS x 11.76
RMS y 25.26
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7973
Mean 0.8085
RMS 0.09154
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7973
Mean 0.5804
RMS 0.1277
Underflow 0
Overflow 0