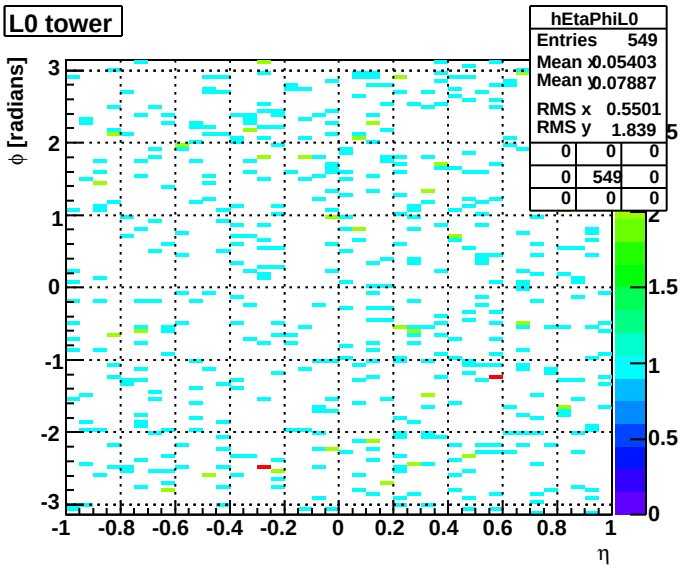
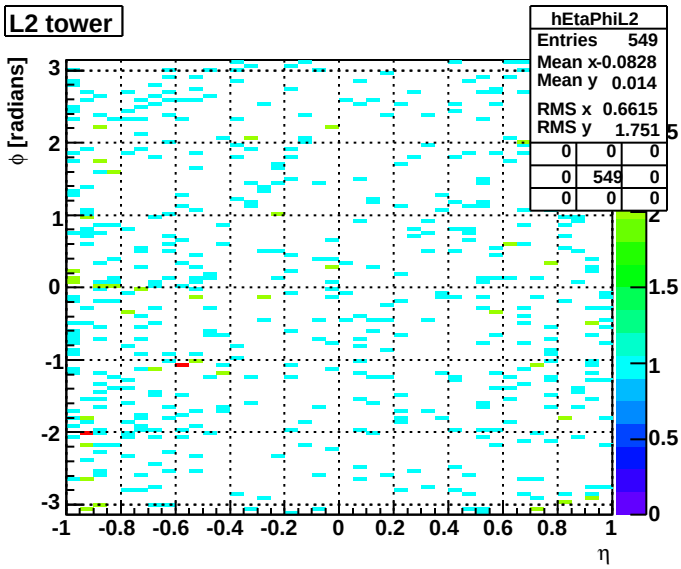
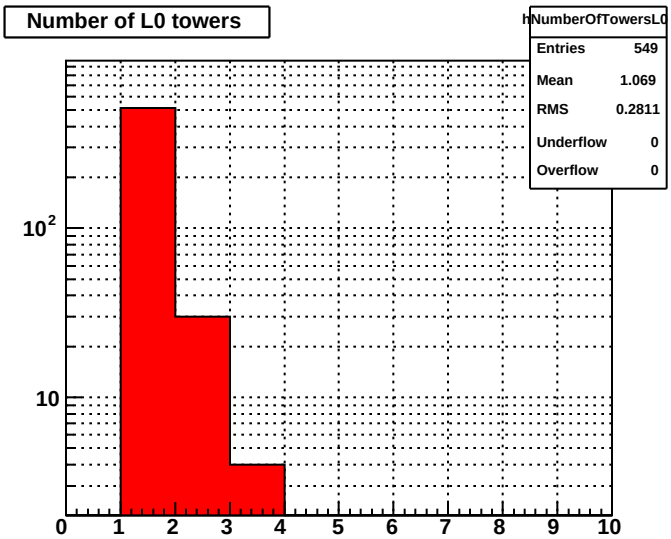
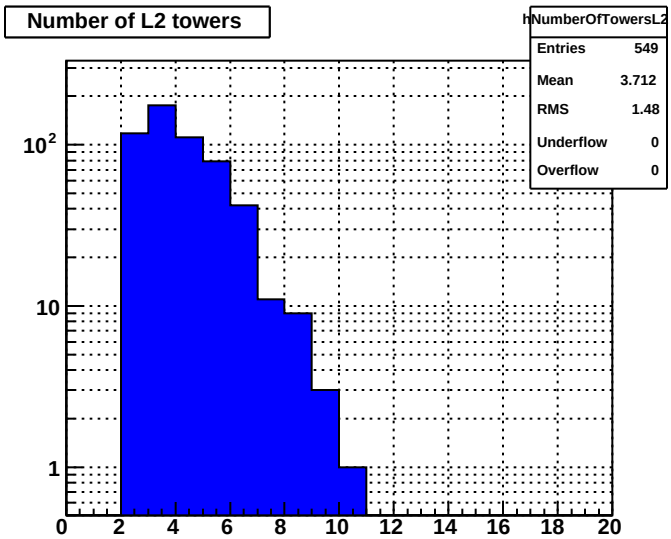
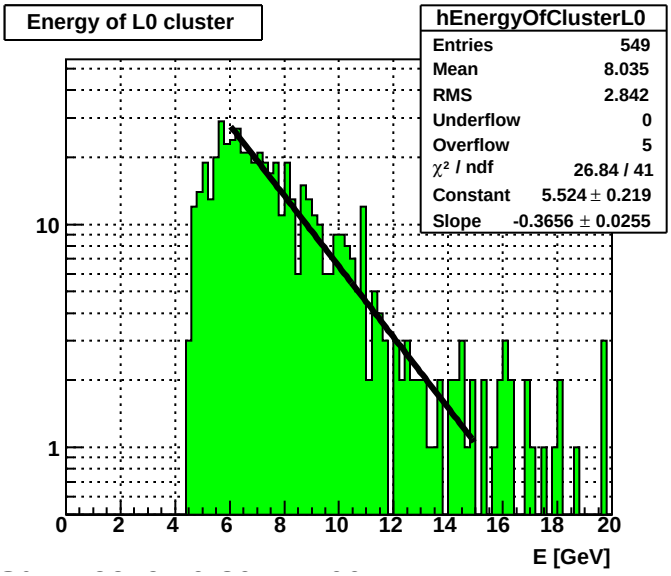
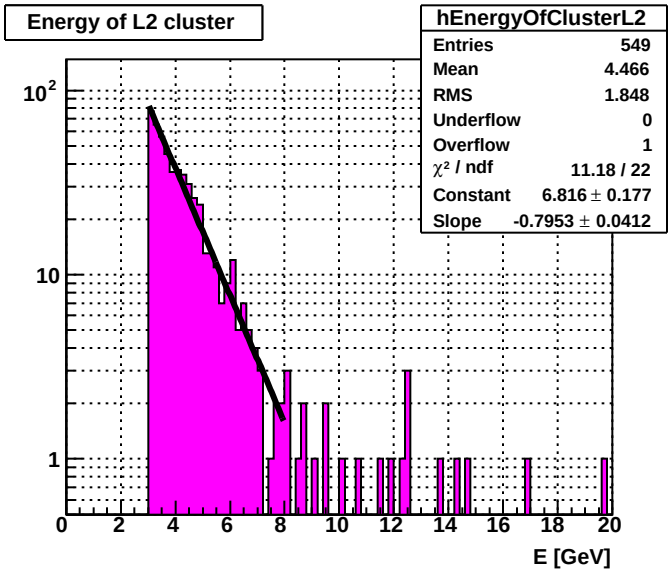

L0 tower
hEtaPhiL0
Entries 549
Mean x 0.05403
Mean y 0.07887
RMS x 0.5501
RMS y 1.839
φ [radians]
η

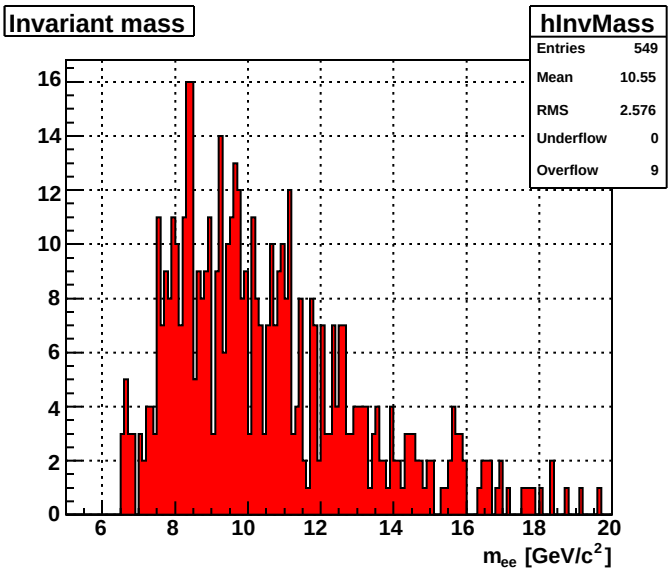

L2 tower
hEtaPhiL2
Entries 549
Mean x -0.0828
Mean y 0.014
RMS x 0.6615
RMS y 1.751
φ [radians]
η

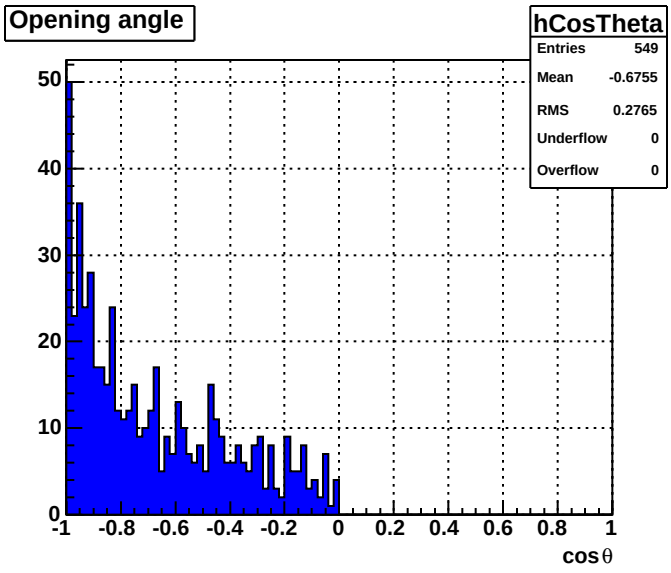

Number of L0 towers
hNumberOfTowersL0
Entries 549
Mean 1.069
RMS 0.2811
Underflow 0
Overflow 0

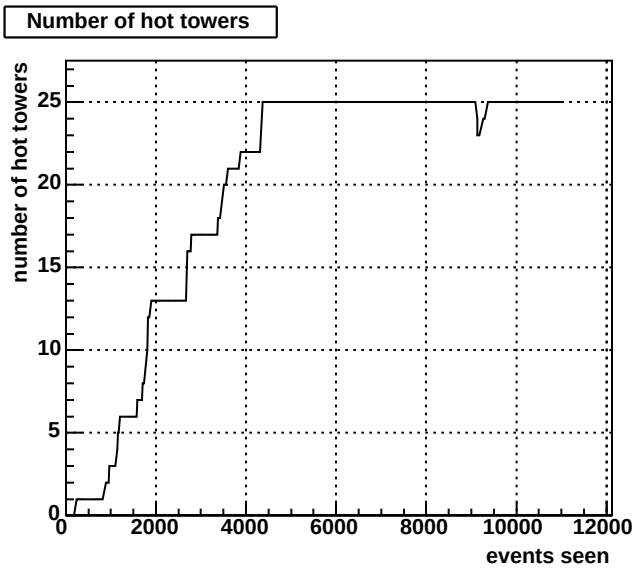

Number of L2 towers
hNumberOfTowersL2
Entries 549
Mean 3.712
RMS 1.48
Underflow 0
Overflow 0

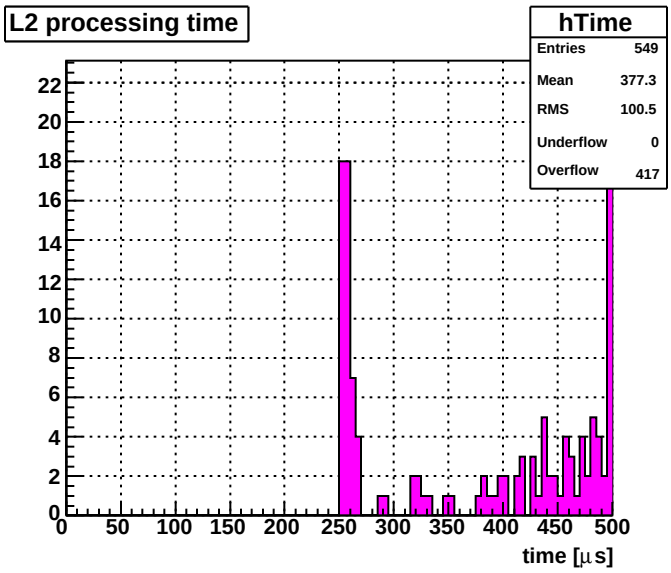

Energy of L0 cluster
hEnergyOfClusterL0
Entries 549
Mean 8.035
RMS 2.842
Underflow 0
Overflow 5
χ² / ndf 26.84 / 41
Constant 5.524 ± 0.219
Slope -0.3656 ± 0.0255
E [GeV]

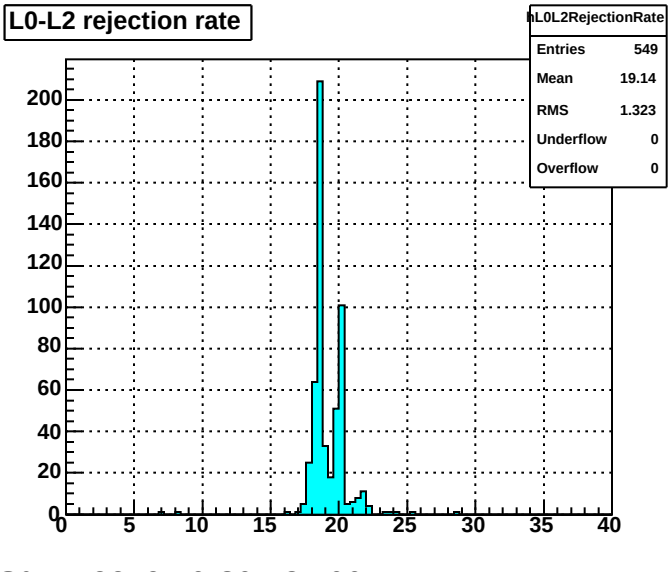

Energy of L2 cluster
hEnergyOfClusterL2
Entries 549
Mean 4.466
RMS 1.848
Underflow 0
Overflow 1
χ² / ndf 11.18 / 22
Constant 6.816 ± 0.177
Slope -0.7953 ± 0.0412
E [GeV]

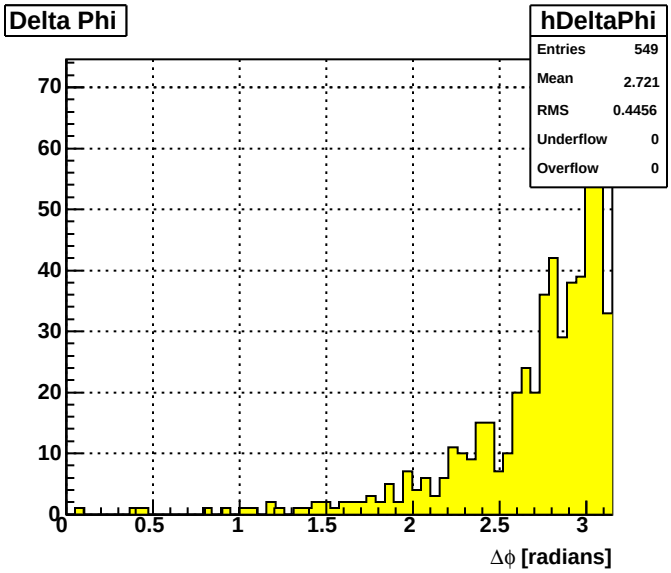

Invariant mass
hInvMass
Entries 549
Mean 10.55
RMS 2.576
Underflow 0
Overflow 9
m_{ee} [GeV/c^2]

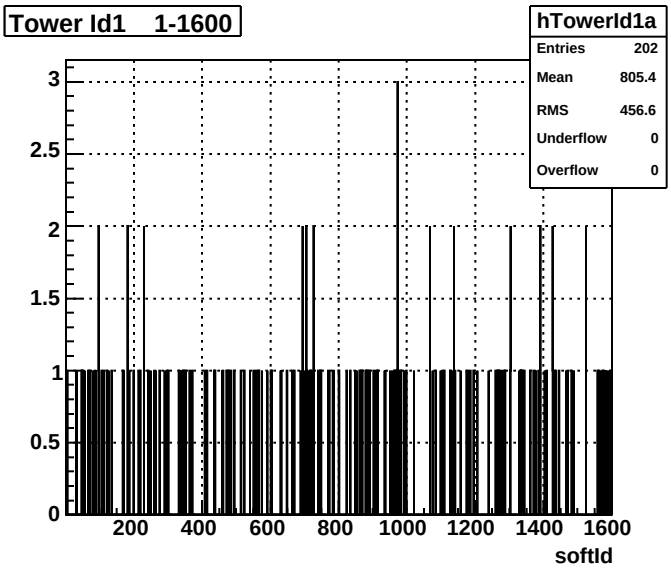

Opening angle
hCosTheta
Entries 549
Mean -0.6755
RMS 0.2765
Underflow 0
Overflow 0
cos θ

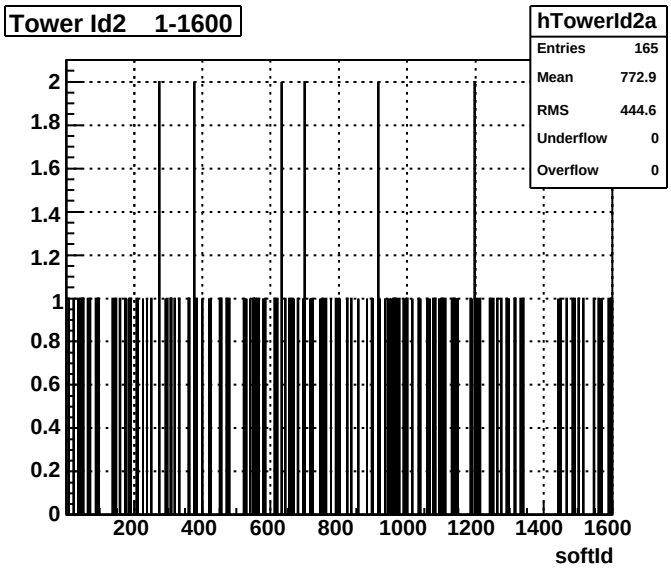

Number of hot towers
number of hot towers
events seen

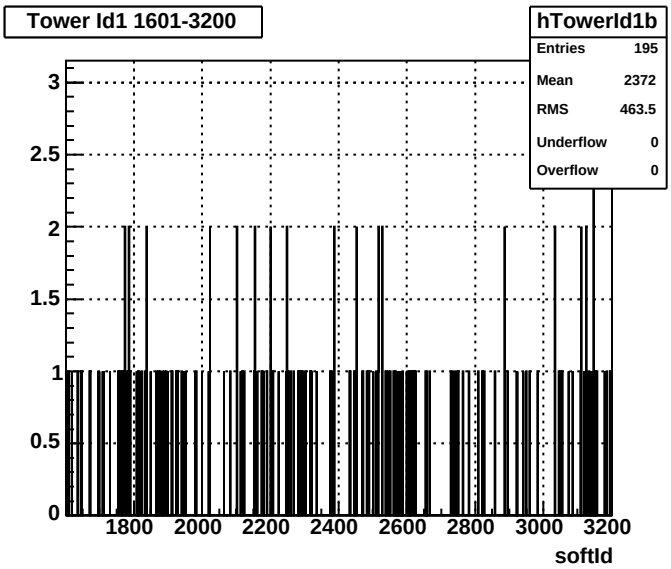

L2 processing time
hTime
Entries 549
Mean 377.3
RMS 100.5
Underflow 0
Overflow 417
time [μs]

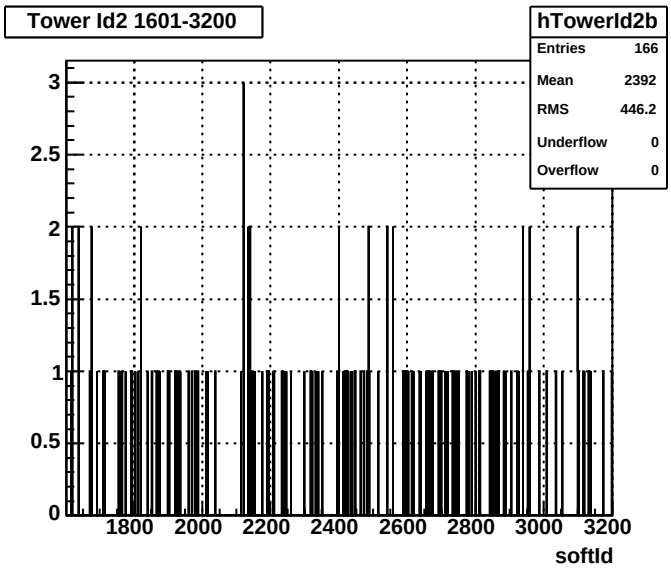

L0-L2 rejection rate
hL0L2RejectionRate
Entries 549
Mean 19.14
RMS 1.323
Underflow 0
Overflow 0

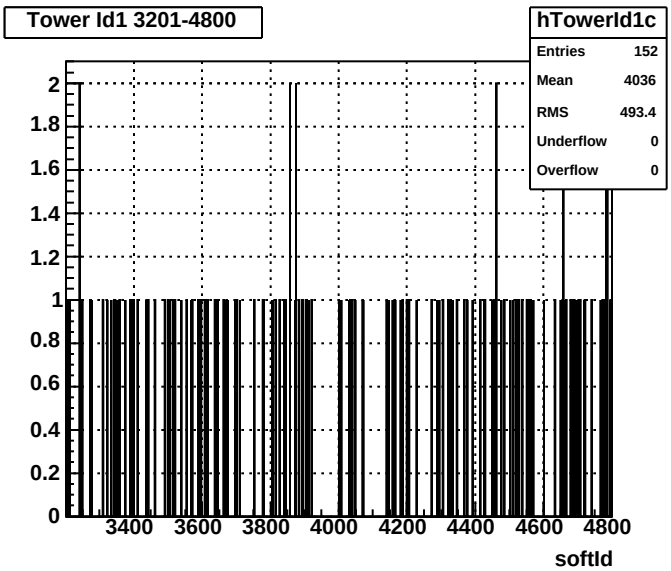

Delta Phi
hDeltaPhi
Entries 549
Mean 2.721
RMS 0.4456
Underflow 0
Overflow 0
Δφ [radians]

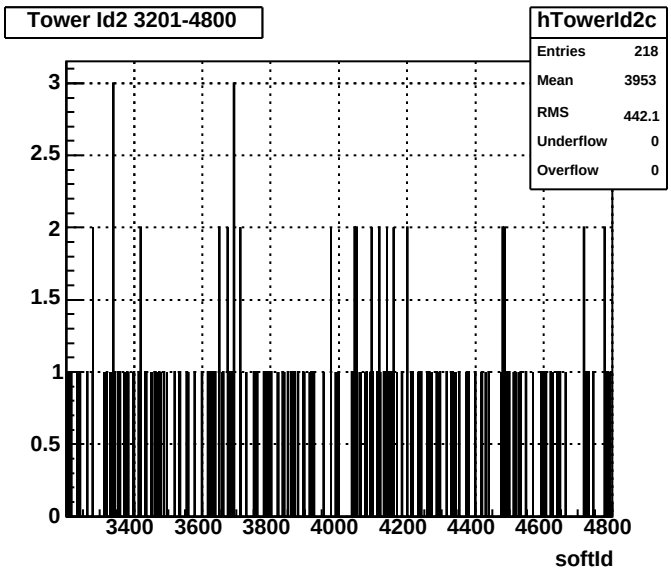

Tower Id1 1-1600
hTowerId1a
Entries 202
Mean 805.4
RMS 456.6
Underflow 0
Overflow 0
softId

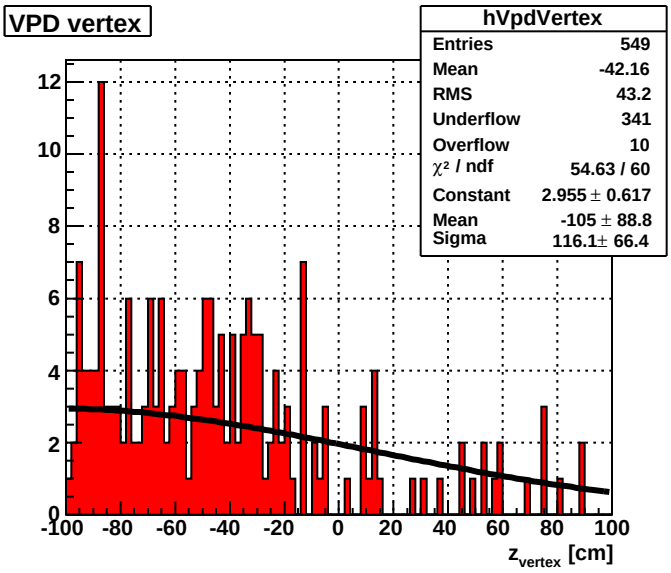

Tower Id2 1-1600
hTowerId2a
Entries 165
Mean 772.9
RMS 444.6
Underflow 0
Overflow 0
softId

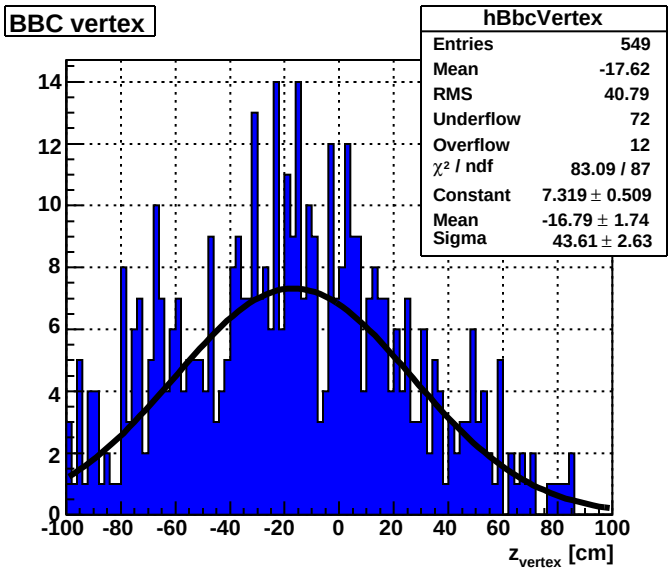

Tower Id1 1601-3200
hTowerId1b
Entries 195
Mean 2372
RMS 463.5
Underflow 0
Overflow 0
softId

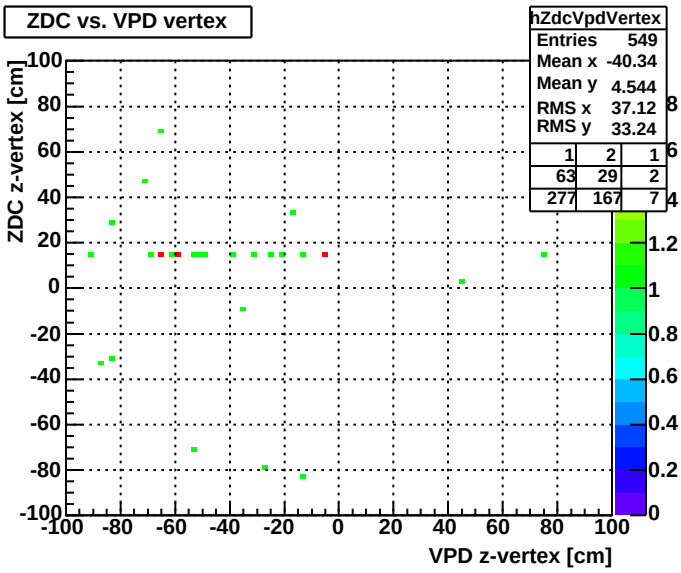

Tower Id2 1601-3200
hTowerId2b
Entries 166
Mean 2392
RMS 446.2
Underflow 0
Overflow 0
softId

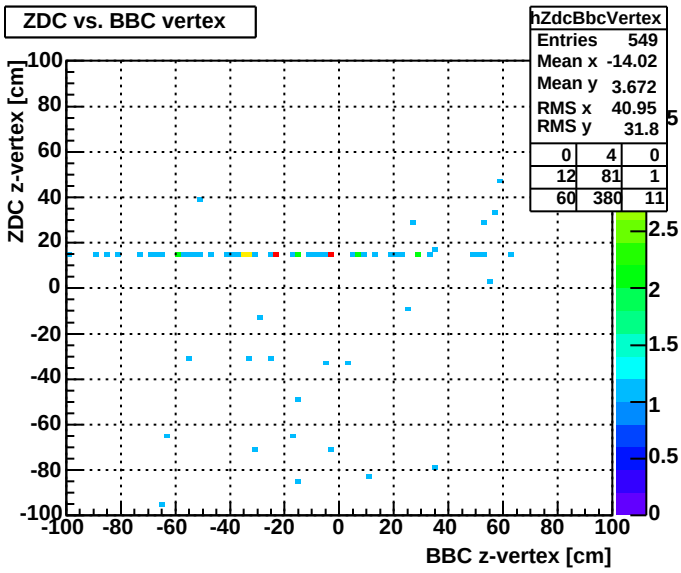

Tower Id1 3201-4800
hTowerId1c
Entries 152
Mean 4036
RMS 493.4
Underflow 0
Overflow 0
softId

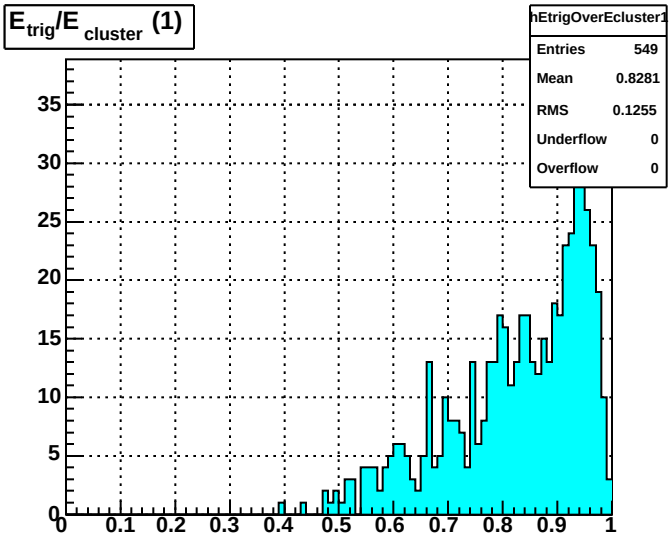

Tower Id2 3201-4800
hTowerId2c
Entries 218
Mean 3953
RMS 442.1
Underflow 0
Overflow 0
softId

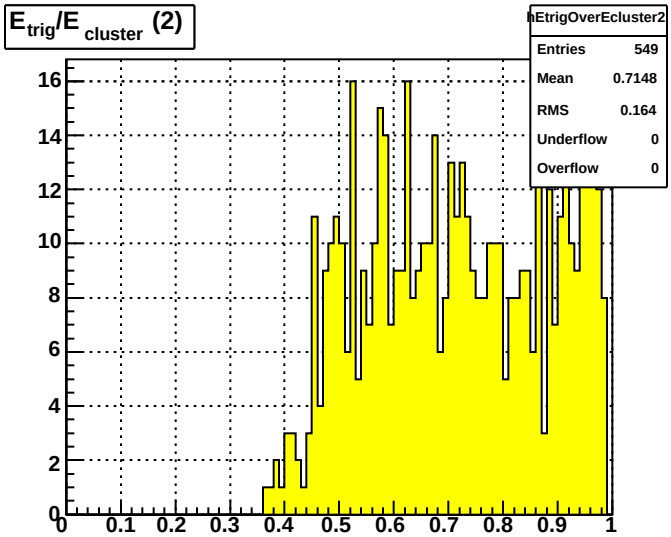

VPD vertex
hVpdVertex
Entries 549
Mean -42.16
RMS 43.2
Underflow 341
Overflow 10
χ² / ndf 54.63 / 60
Constant 2.955 ± 0.617
Mean -105 ± 88.8
Sigma 116.1± 66.4
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 549
Mean -17.62
RMS 40.79
Underflow 72
Overflow 12
χ² / ndf 83.09 / 87
Constant 7.319 ± 0.509
Mean -16.79 ± 1.74
Sigma 43.61 ± 2.63
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 549
Mean x -40.34
Mean y 4.544
RMS x 37.12
RMS y 33.24
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 549
Mean x -14.02
Mean y 3.672
RMS x 40.95
RMS y 31.8
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 549
Mean 0.8281
RMS 0.1255
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 549
Mean 0.7148
RMS 0.164
Underflow 0
Overflow 0