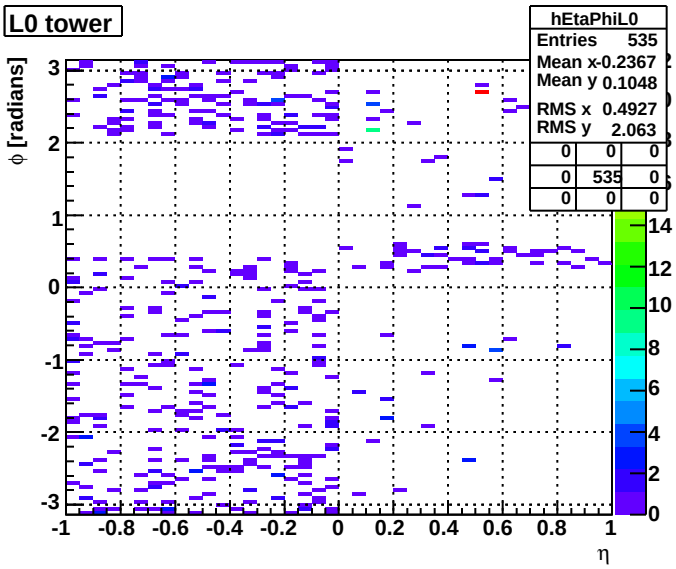
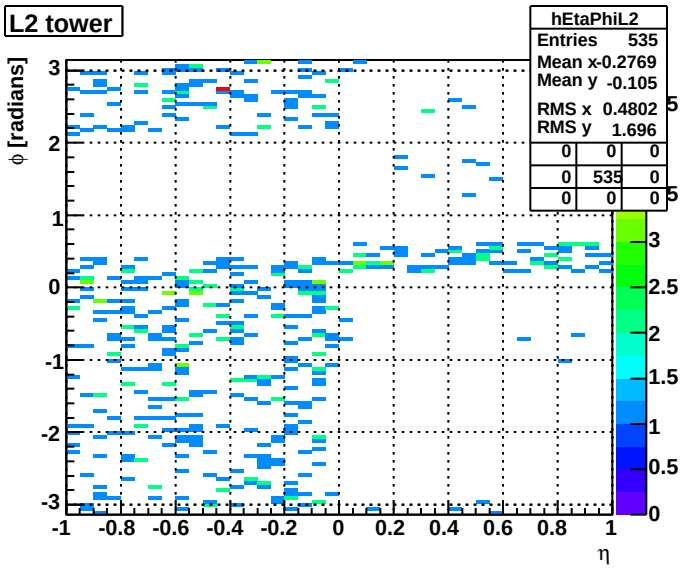
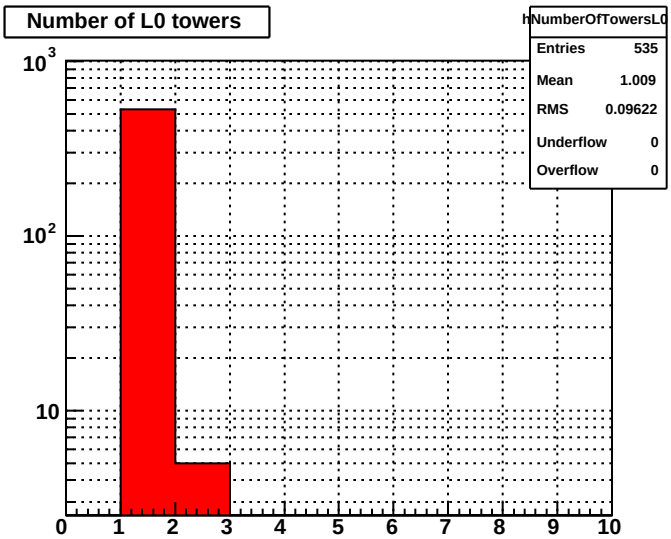
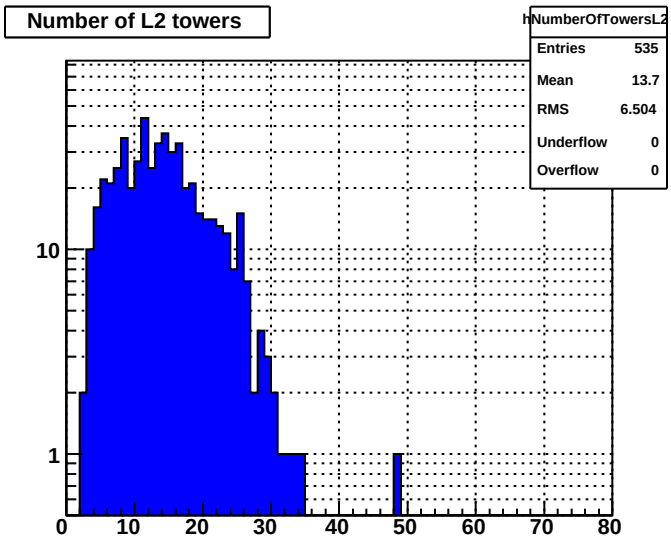
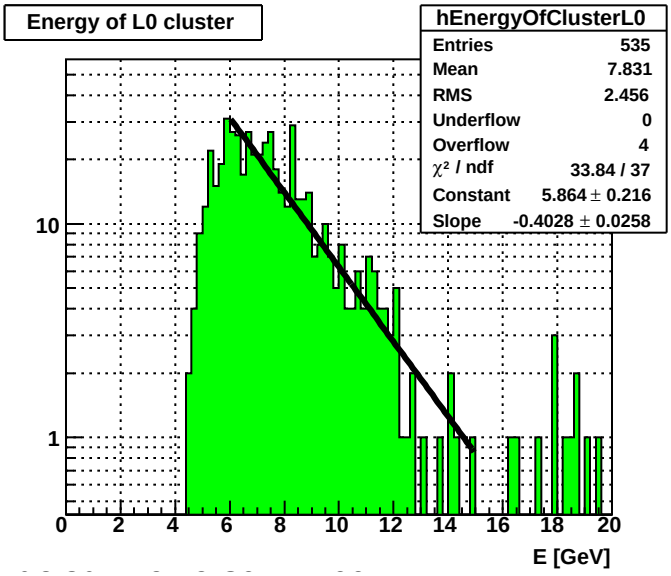
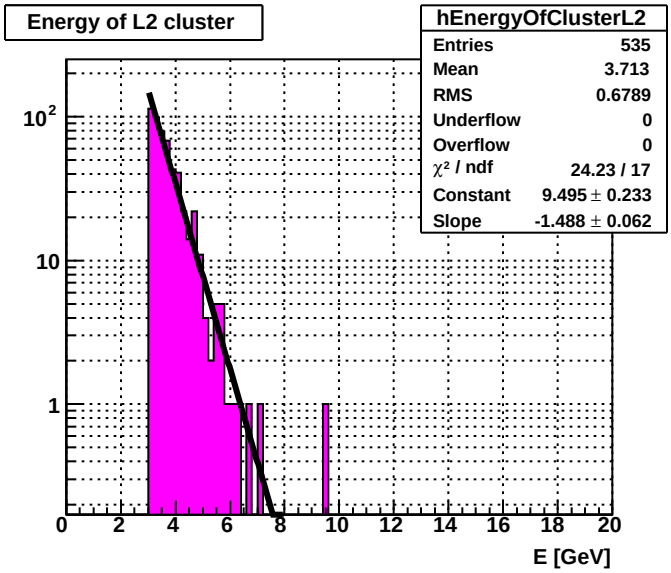

L0 tower
hEtaPhiL0
Entries 535
Mean x -0.2367
Mean y 0.1048
RMS x 0.4927
RMS y 2.063
φ [radians]
η

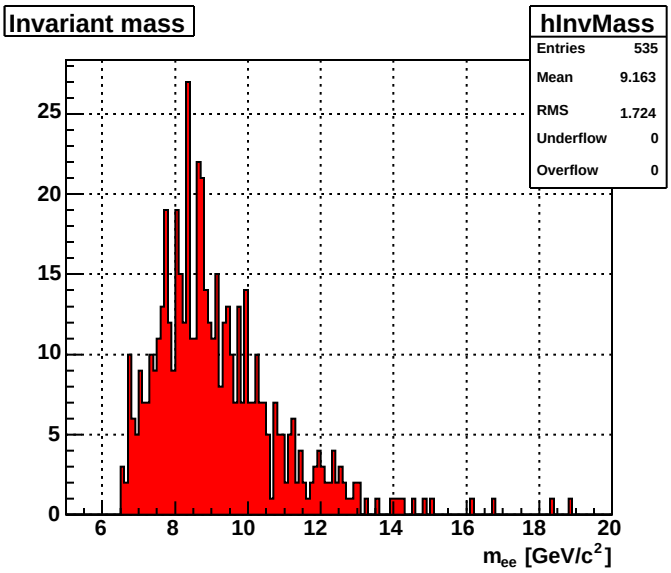

L2 tower
hEtaPhiL2
Entries 535
Mean x -0.2769
Mean y -0.105
RMS x 0.4802
RMS y 1.696
φ [radians]
η

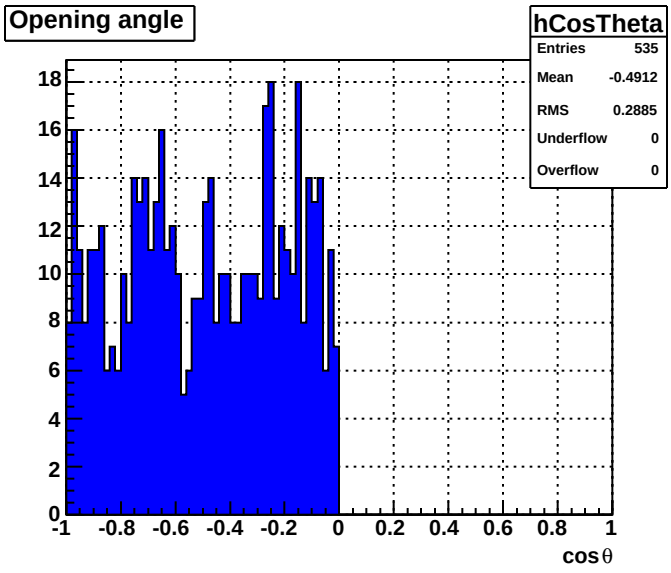

Number of L0 towers
hNumberOfTowersL0
Entries 535
Mean 1.009
RMS 0.09622
Underflow 0
Overflow 0

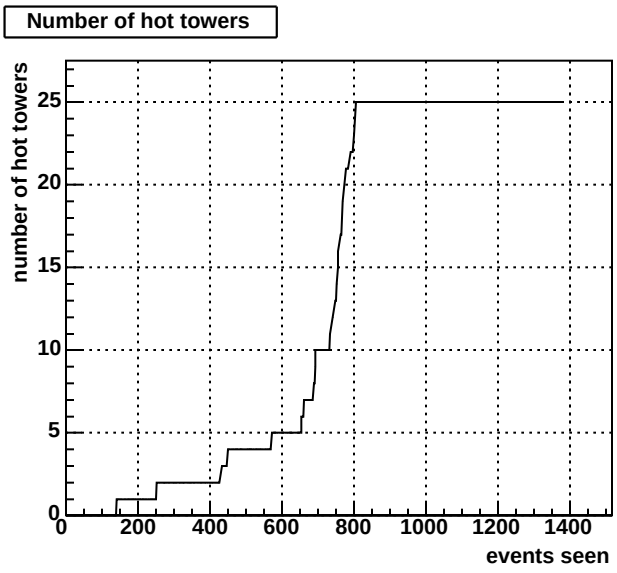

Number of L2 towers
hNumberOfTowersL2
Entries 535
Mean 13.7
RMS 6.504
Underflow 0
Overflow 0

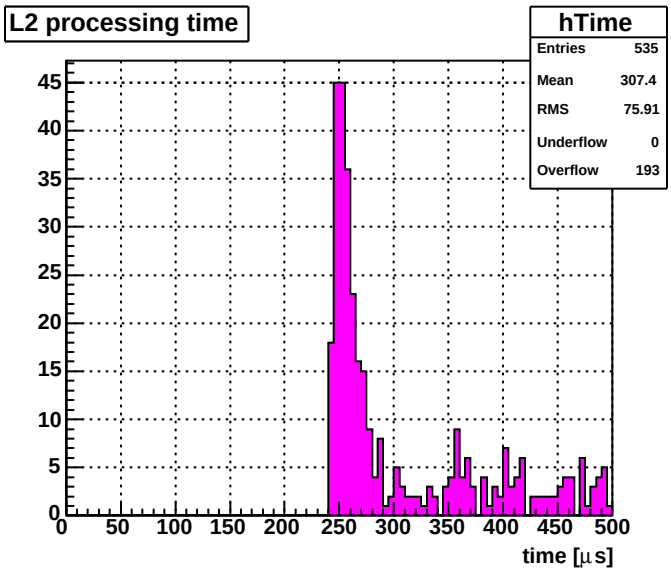

Energy of L0 cluster
hEnergyOfClusterL0
Entries 535
Mean 7.831
RMS 2.456
Underflow 0
Overflow 4
χ² / ndf 33.84 / 37
Constant 5.864 ± 0.216
Slope -0.4028 ± 0.0258
E [GeV]

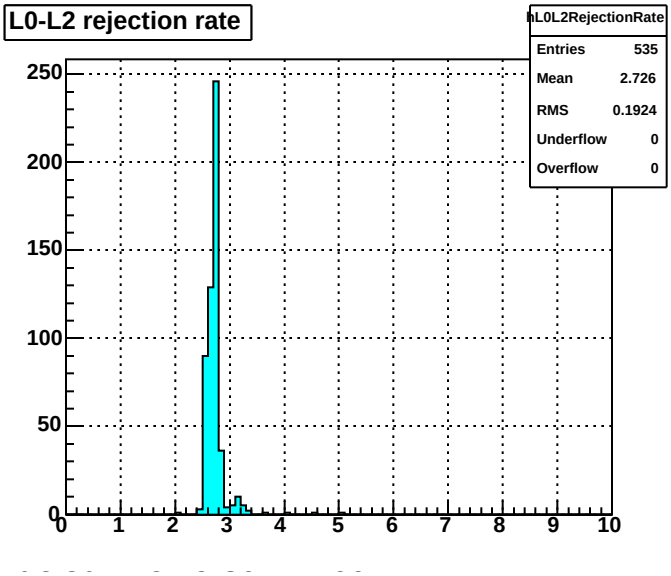

Energy of L2 cluster
hEnergyOfClusterL2
Entries 535
Mean 3.713
RMS 0.6789
Underflow 0
Overflow 0
χ² / ndf 24.23 / 17
Constant 9.495 ± 0.233
Slope -1.488 ± 0.062
E [GeV]

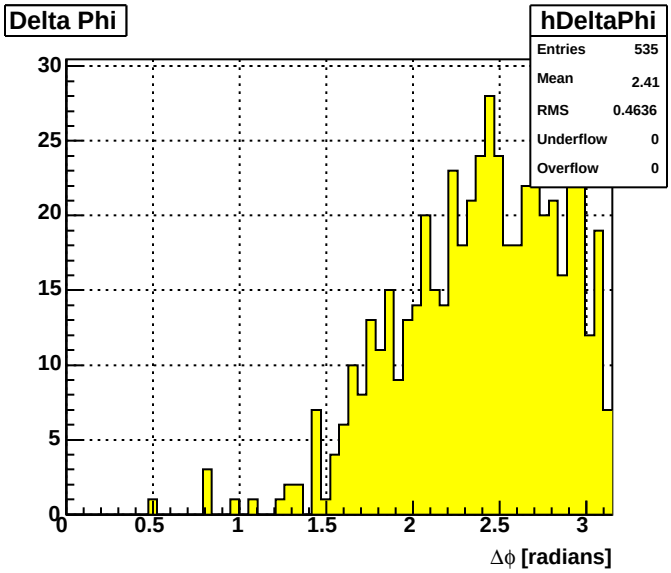

Invariant mass
hInvMass
Entries 535
Mean 9.163
RMS 1.724
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

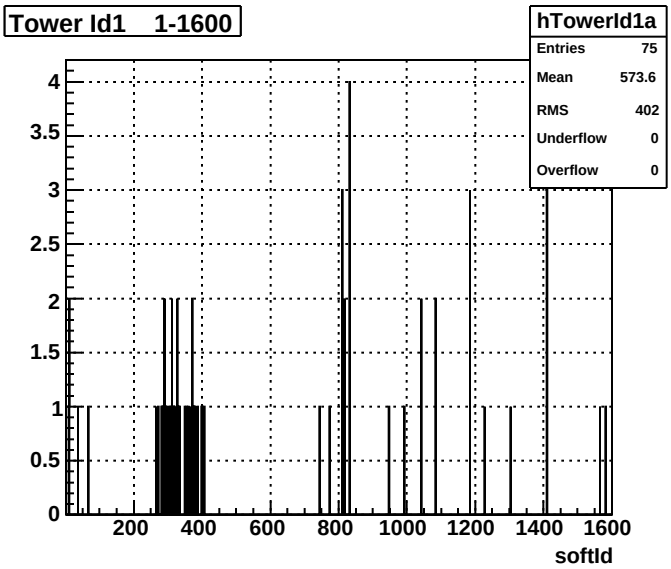

Opening angle
hCosTheta
Entries 535
Mean -0.4912
RMS 0.2885
Underflow 0
Overflow 0
cos θ

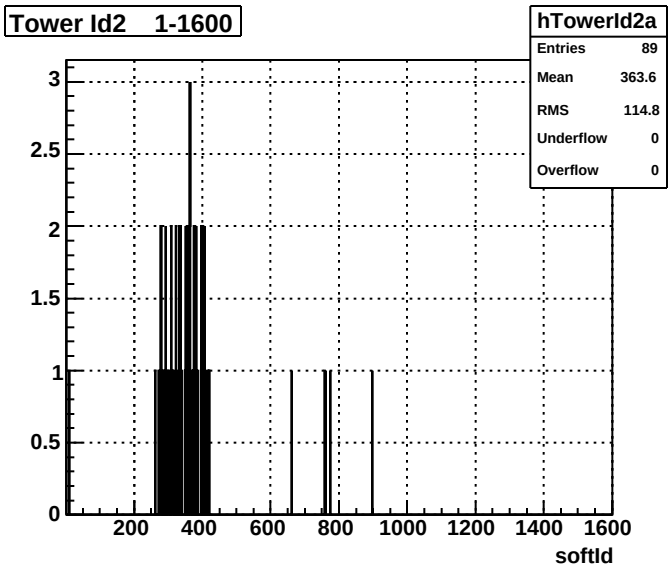

Number of hot towers
number of hot towers
events seen

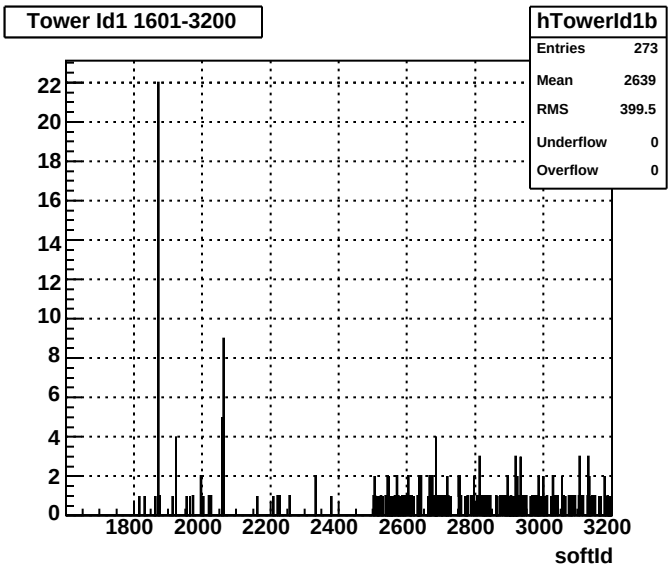

L2 processing time
hTime
Entries 535
Mean 307.4
RMS 75.91
Underflow 0
Overflow 193
time [μs]

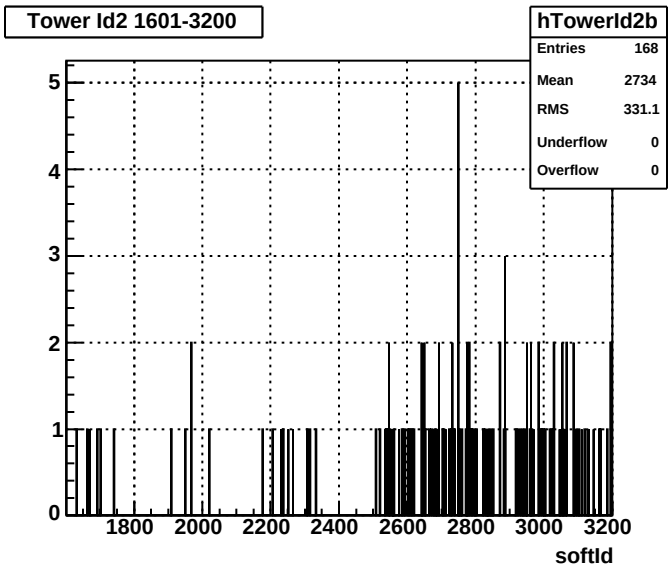

L0-L2 rejection rate
hL0L2RejectionRate
Entries 535
Mean 2.726
RMS 0.1924
Underflow 0
Overflow 0

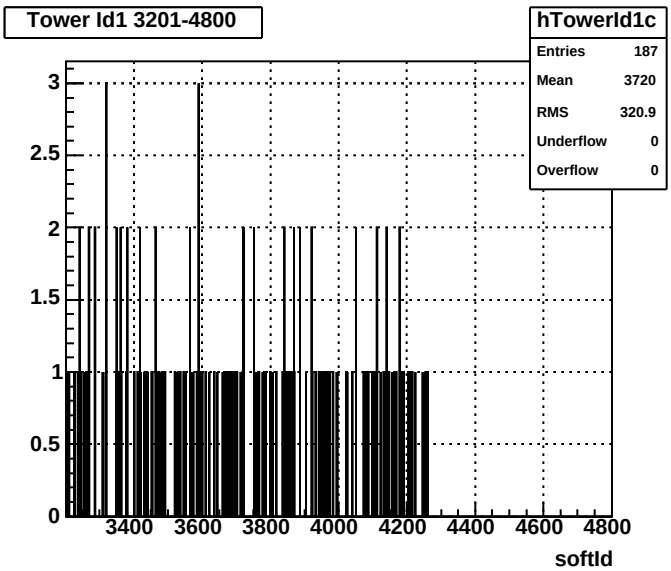

Delta Phi
hDeltaPhi
Entries 535
Mean 2.41
RMS 0.4636
Underflow 0
Overflow 0
Δφ [radians]

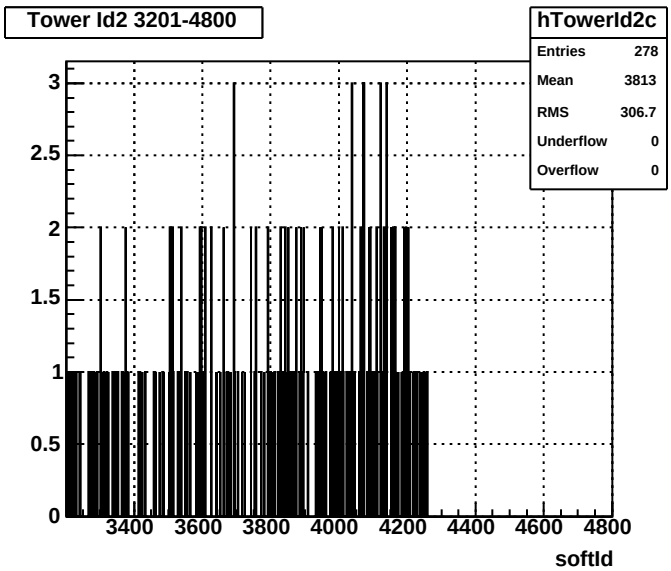

Tower Id1 1-1600
hTowerId1a
Entries 75
Mean 573.6
RMS 402
Underflow 0
Overflow 0
softId

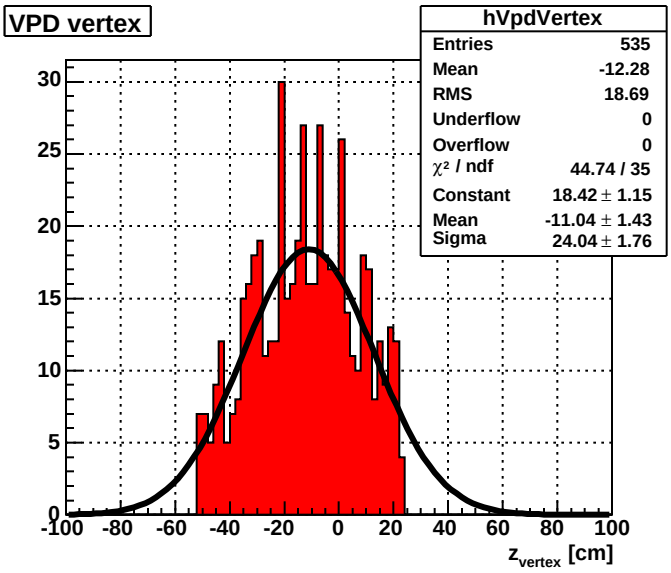

Tower Id2 1-1600
hTowerId2a
Entries 89
Mean 363.6
RMS 114.8
Underflow 0
Overflow 0
softId

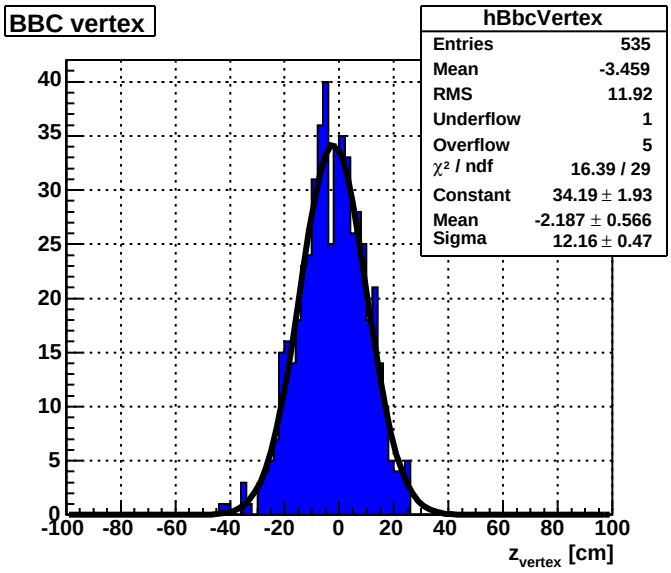

Tower Id1 1601-3200
hTowerId1b
Entries 273
Mean 2639
RMS 399.5
Underflow 0
Overflow 0
softId

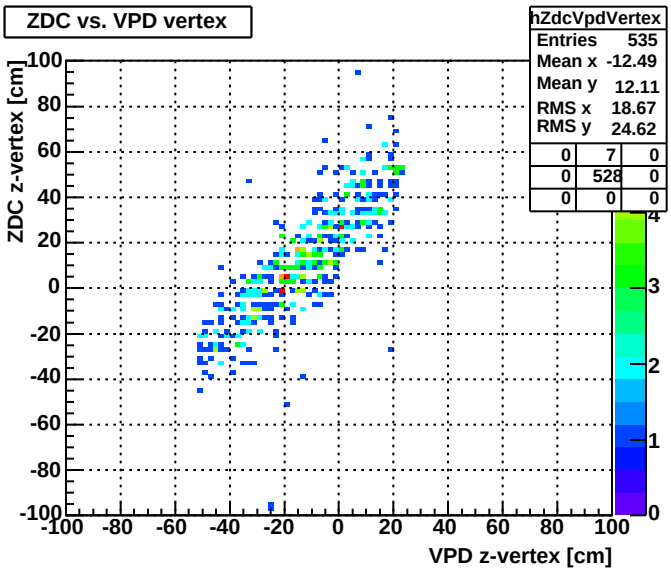

Tower Id2 1601-3200
hTowerId2b
Entries 168
Mean 2734
RMS 331.1
Underflow 0
Overflow 0
softId

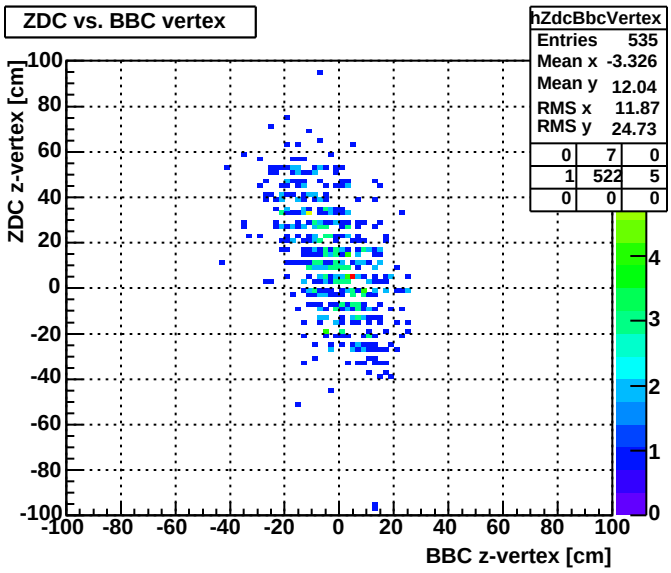

Tower Id1 3201-4800
hTowerId1c
Entries 187
Mean 3720
RMS 320.9
Underflow 0
Overflow 0
softId

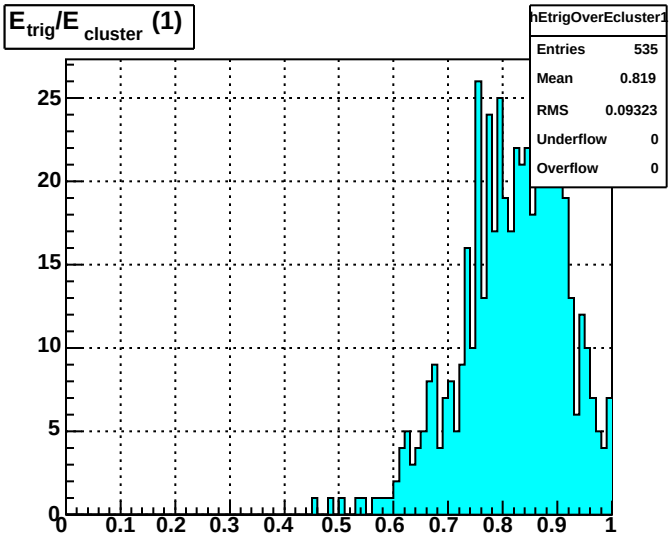

Tower Id2 3201-4800
hTowerId2c
Entries 278
Mean 3813
RMS 306.7
Underflow 0
Overflow 0
softId

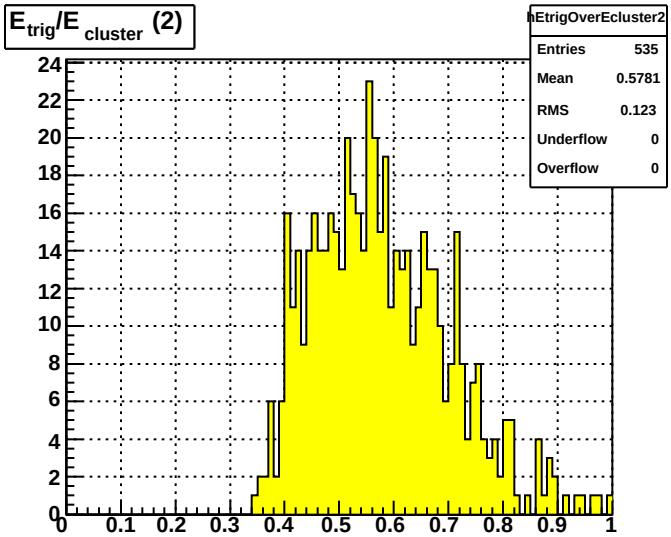

VPD vertex
hVpdVertex
Entries 535
Mean -12.28
RMS 18.69
Underflow 0
Overflow 0
χ² / ndf 44.74 / 35
Constant 18.42 ± 1.15
Mean -11.04 ± 1.43
Sigma 24.04 ± 1.76
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 535
Mean -3.459
RMS 11.92
Underflow 1
Overflow 5
χ² / ndf 16.39 / 29
Constant 34.19 ± 1.93
Mean -2.187 ± 0.566
Sigma 12.16 ± 0.47
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 535
Mean x -12.49
Mean y 12.11
RMS x 18.67
RMS y 24.62
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 535
Mean x -3.326
Mean y 12.04
RMS x 11.87
RMS y 24.73
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 535
Mean 0.819
RMS 0.09323
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 535
Mean 0.5781
RMS 0.123
Underflow 0
Overflow 0