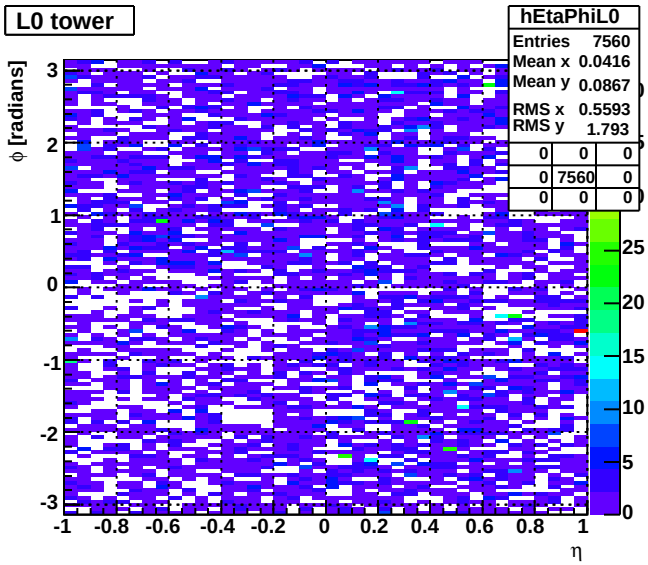
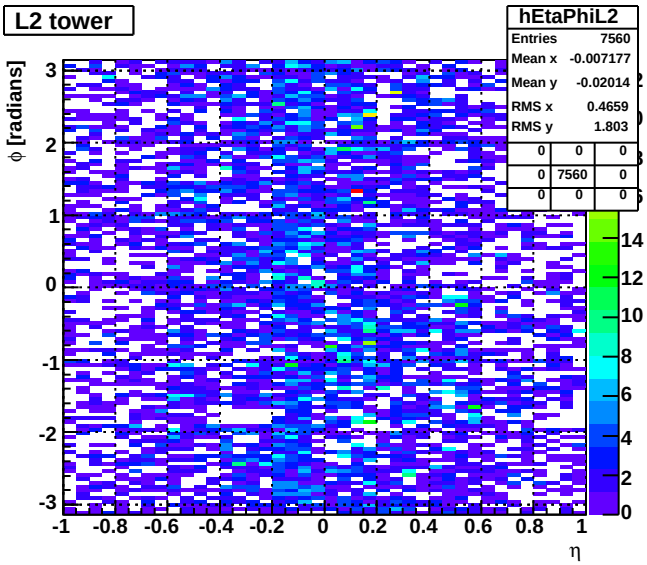
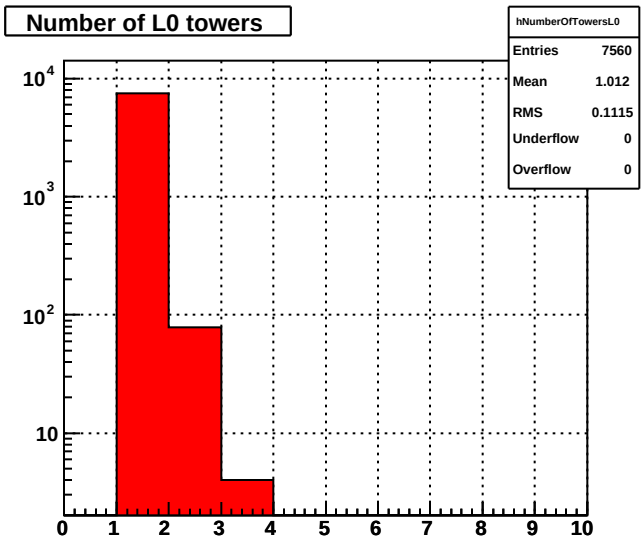
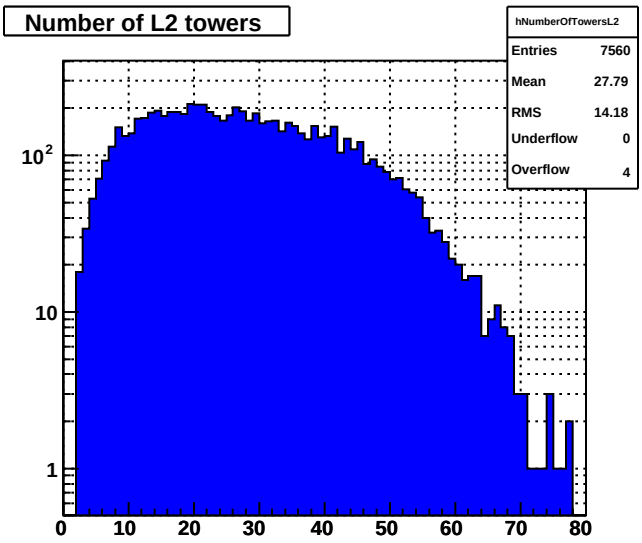
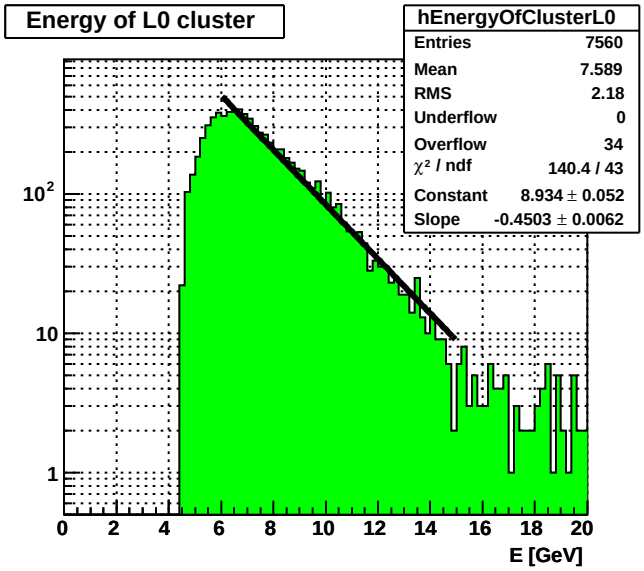
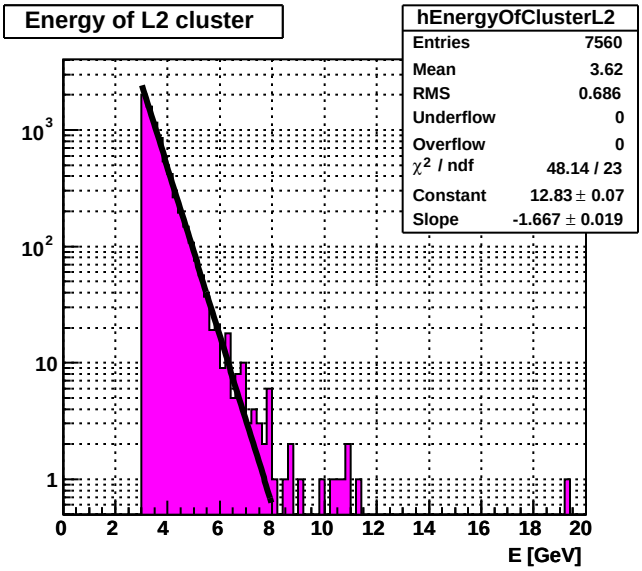

L0 tower
hEtaPhiL0
Entries 7560
Mean x 0.0416
Mean y 0.0867
RMS x 0.5593
RMS y 1.793
φ [radians]
η

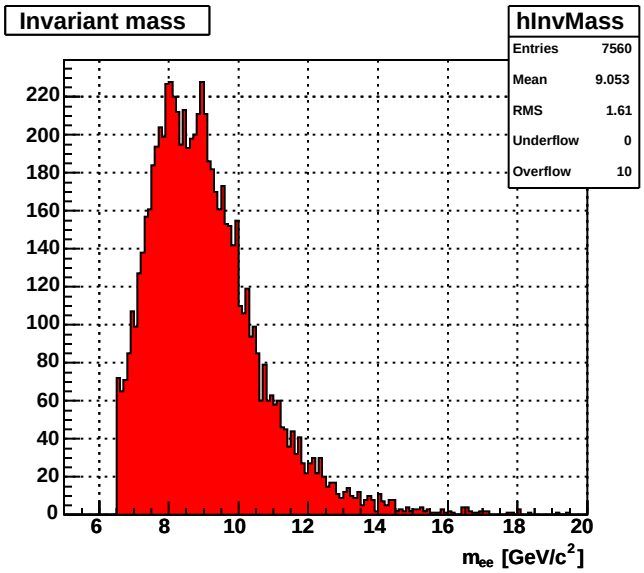

L2 tower
hEtaPhiL2
Entries 7560
Mean x -0.007177
Mean y -0.02014
RMS x 0.4659
RMS y 1.803
φ [radians]
η

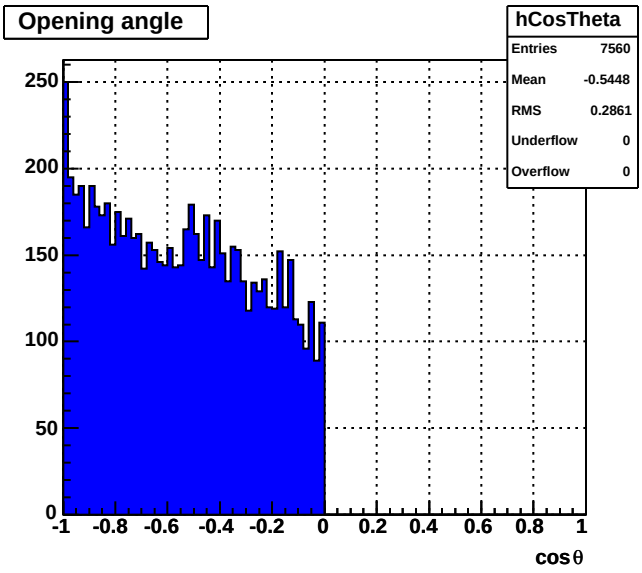

Number of L0 towers
hNumberOfTowersL0
Entries 7560
Mean 1.012
RMS 0.1115
Underflow 0
Overflow 0

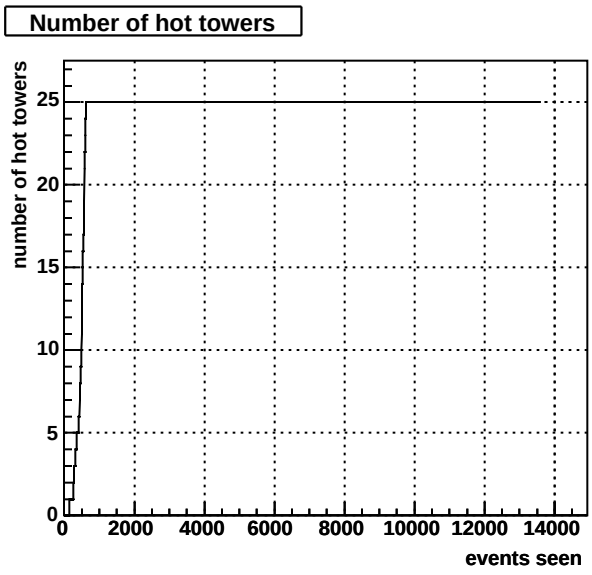

Number of L2 towers
hNumberOfTowersL2
Entries 7560
Mean 27.79
RMS 14.18
Underflow 0
Overflow 4

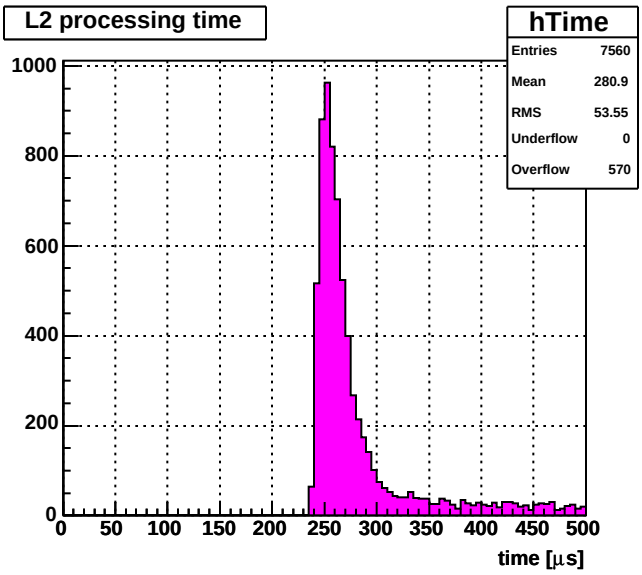

Energy of L0 cluster
hEnergyOfClusterL0
Entries 7560
Mean 7.589
RMS 2.18
Underflow 0
Overflow 34
χ² / ndf 140.4 / 43
Constant 8.934 ± 0.052
Slope -0.4503 ± 0.0062
E [GeV]

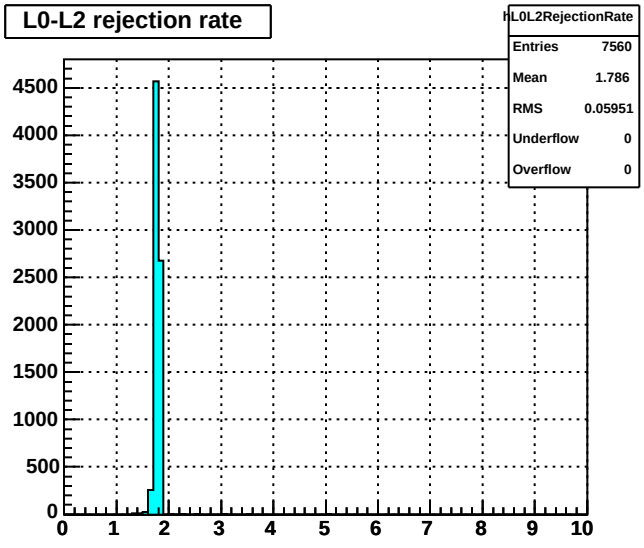

Energy of L2 cluster
hEnergyOfClusterL2
Entries 7560
Mean 3.62
RMS 0.686
Underflow 0
Overflow 0
χ² / ndf 48.14 / 23
Constant 12.83 ± 0.07
Slope -1.667 ± 0.019
E [GeV]

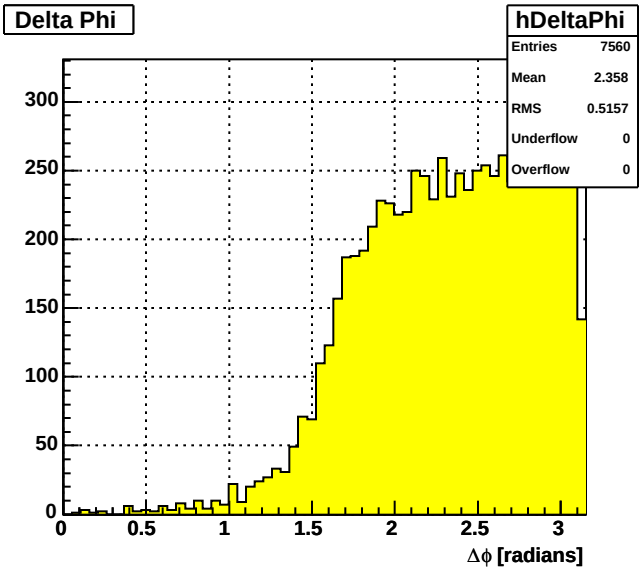

Invariant mass
hInvMass
Entries 7560
Mean 9.053
RMS 1.61
Underflow 0
Overflow 10
m_{ee} [GeV/c^2]

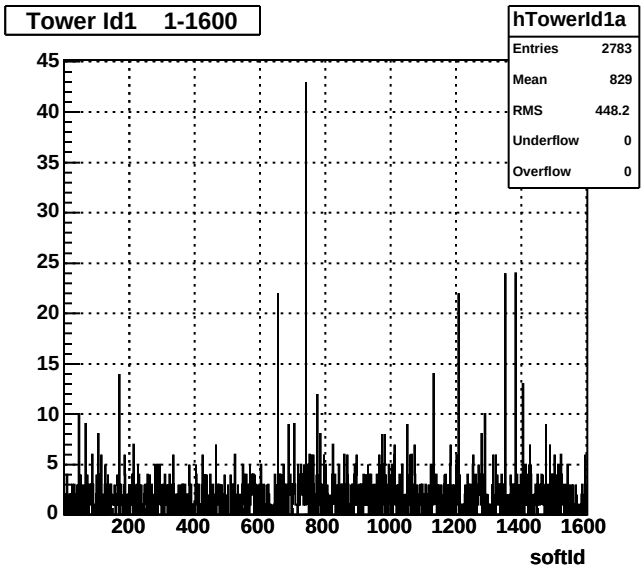

Opening angle
hCosTheta
Entries 7560
Mean -0.5448
RMS 0.2861
Underflow 0
Overflow 0
cos θ

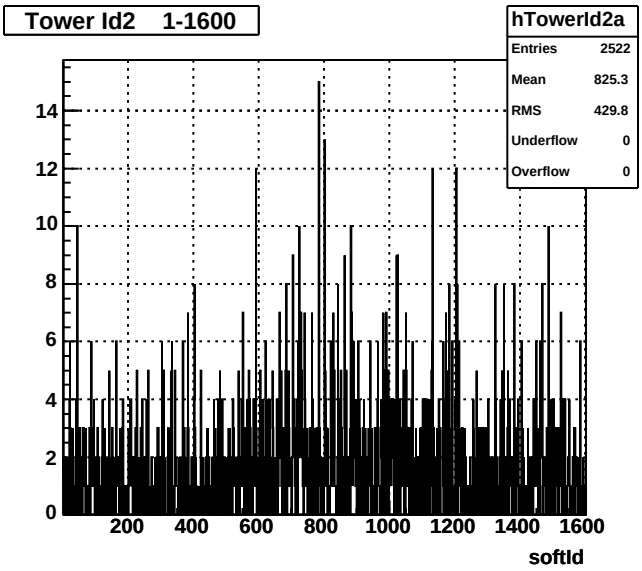

Number of hot towers
number of hot towers
events seen

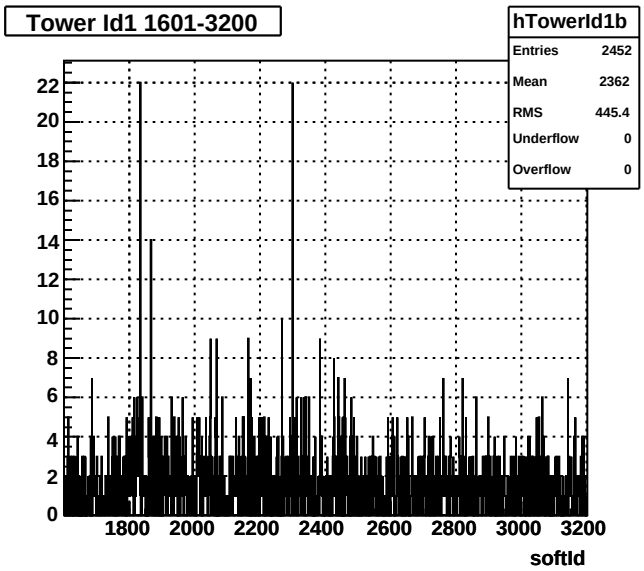

L2 processing time
hTime
Entries 7560
Mean 280.9
RMS 53.55
Underflow 0
Overflow 570
time [μs]

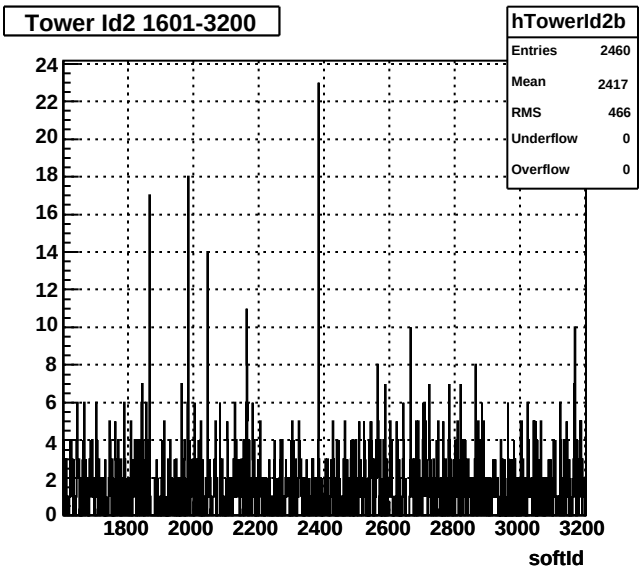

L0-L2 rejection rate
hL0L2RejectionRate
Entries 7560
Mean 1.786
RMS 0.05951
Underflow 0
Overflow 0

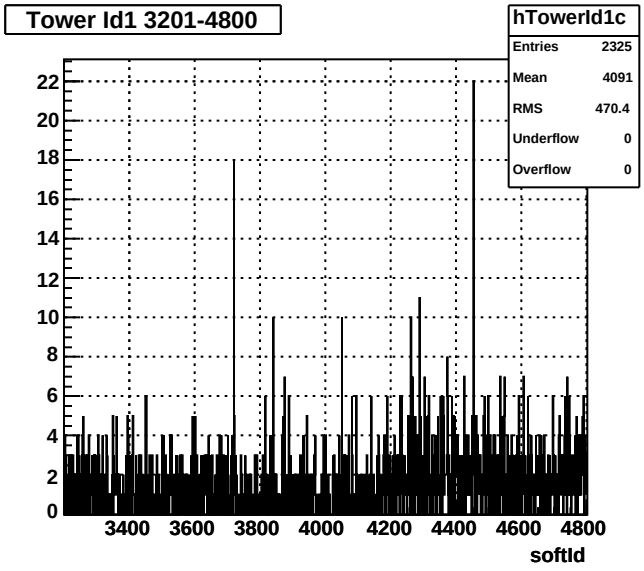

Delta Phi
hDeltaPhi
Entries 7560
Mean 2.358
RMS 0.5157
Underflow 0
Overflow 0
Δϕ [radians]

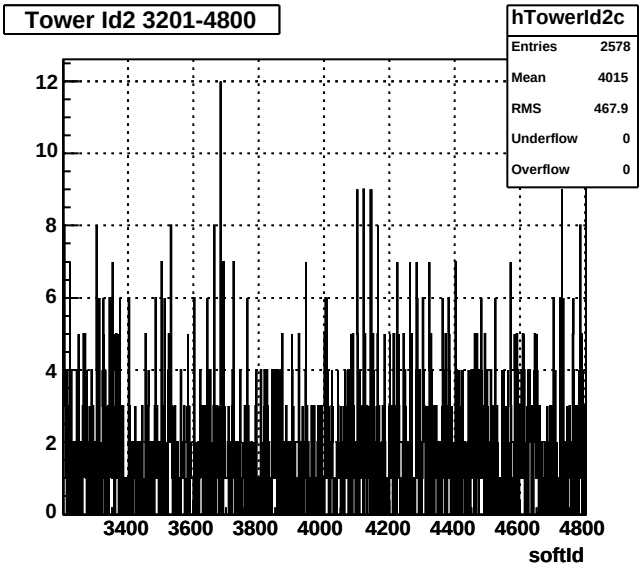

Tower Id1 1-1600
hTowerId1a
Entries 2783
Mean 829
RMS 448.2
Underflow 0
Overflow 0
softId

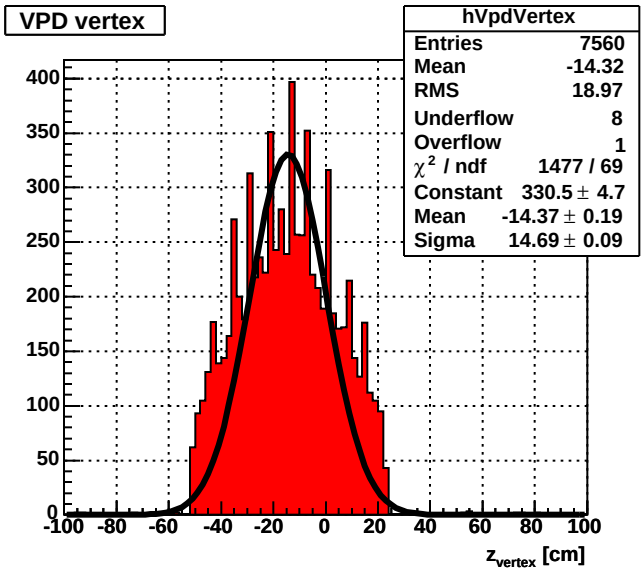

Tower Id2 1-1600
hTowerId2a
Entries 2522
Mean 825.3
RMS 429.8
Underflow 0
Overflow 0
softId

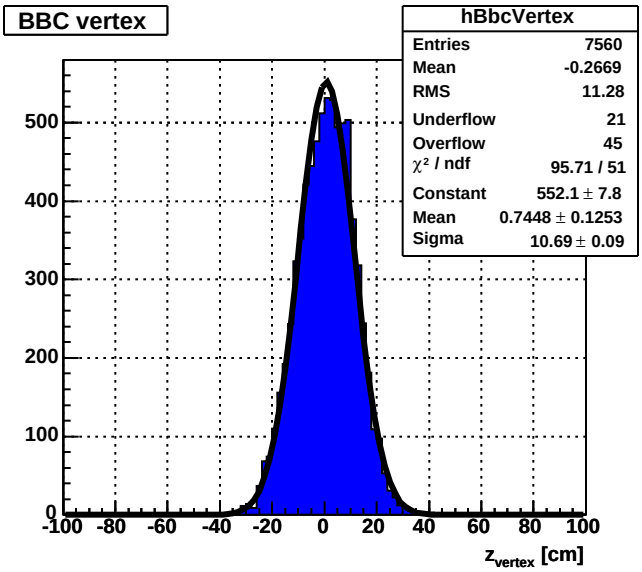

Tower Id1 1601-3200
hTowerId1b
Entries 2452
Mean 2362
RMS 445.4
Underflow 0
Overflow 0
softId

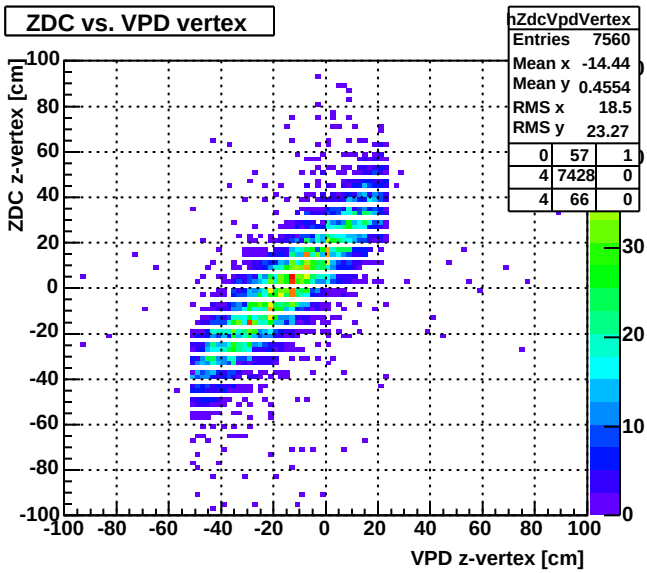

Tower Id2 1601-3200
hTowerId2b
Entries 2460
Mean 2417
RMS 466
Underflow 0
Overflow 0
softId

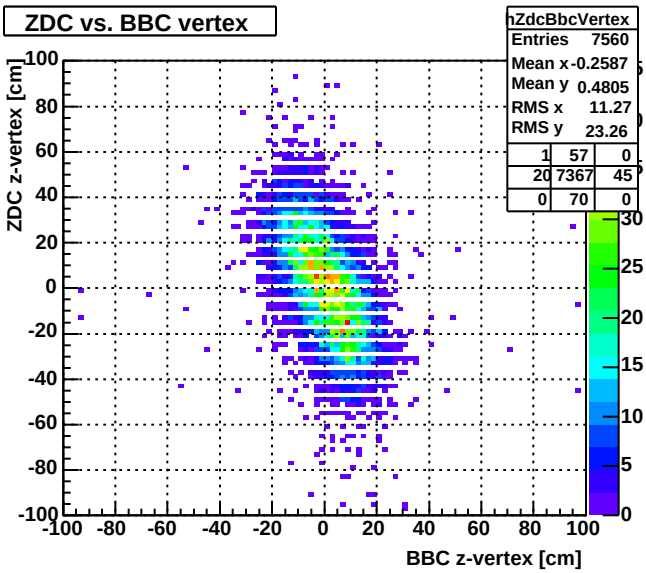

Tower Id1 3201-4800
hTowerId1c
Entries 2325
Mean 4091
RMS 470.4
Underflow 0
Overflow 0
softId

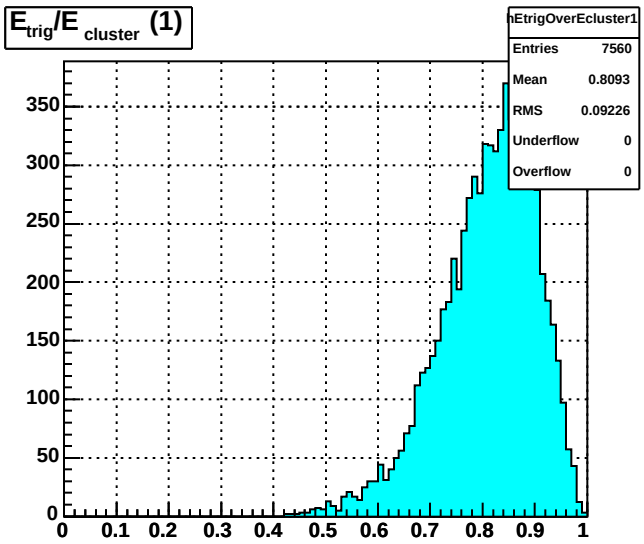

Tower Id2 3201-4800
hTowerId2c
Entries 2578
Mean 4015
RMS 467.9
Underflow 0
Overflow 0
softId

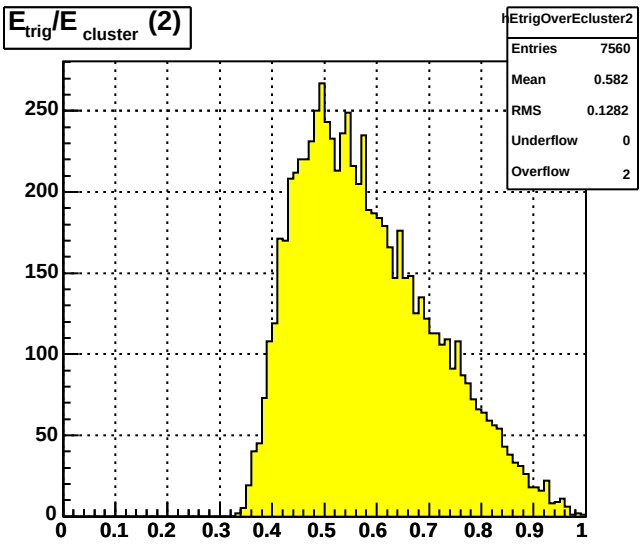

VPD vertex
hVpdVertex
Entries 7560
Mean -14.32
RMS 18.97
Underflow 8
Overflow 1
χ² / ndf 1477 / 69
Constant 330.5 ± 4.7
Mean -14.37 ± 0.19
Sigma 14.69 ± 0.09
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 7560
Mean -0.2669
RMS 11.28
Underflow 21
Overflow 45
χ² / ndf 95.71 / 51
Constant 552.1 ± 7.8
Mean 0.7448 ± 0.1253
Sigma 10.69 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 7560
Mean x -14.44
Mean y 0.4554
RMS x 18.5
RMS y 23.27
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 7560
Mean x -0.2587
Mean y 0.4805
RMS x 11.27
RMS y 23.26
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 7560
Mean 0.8093
RMS 0.09226
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 7560
Mean 0.582
RMS 0.1282
Underflow 0
Overflow 2