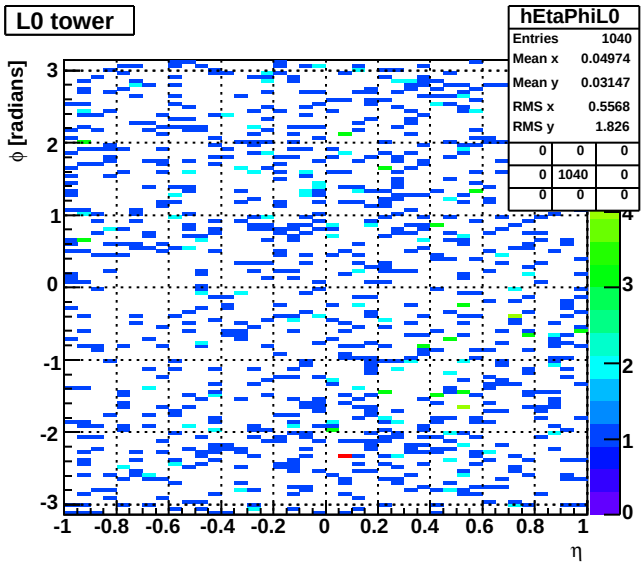
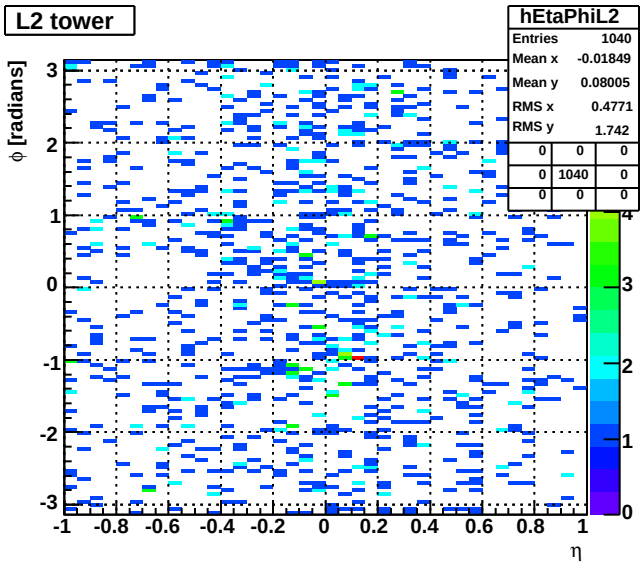
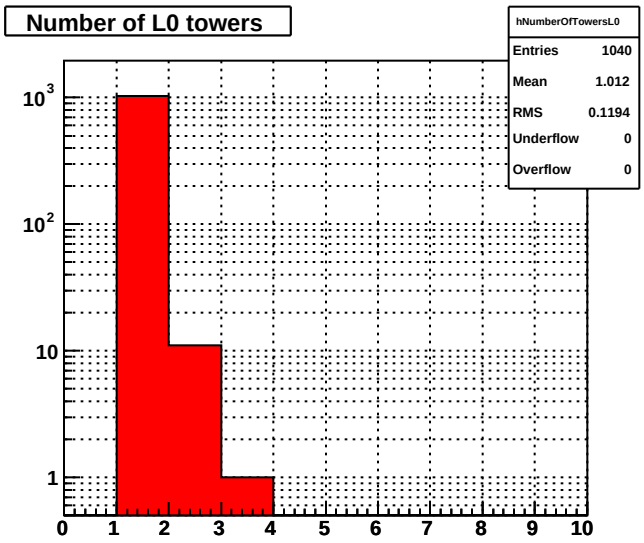
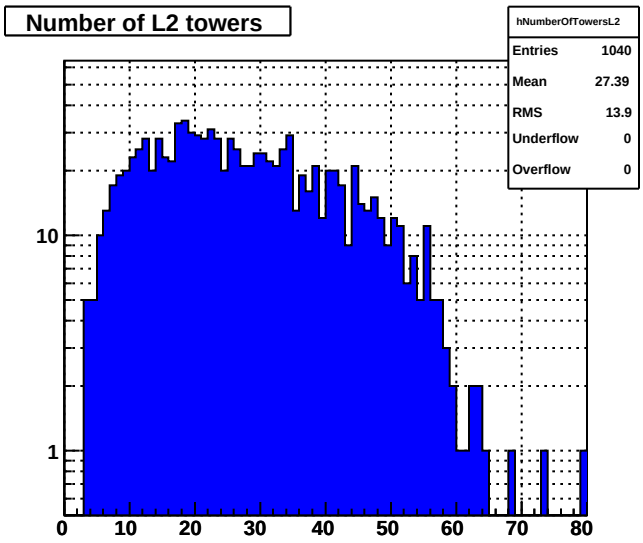
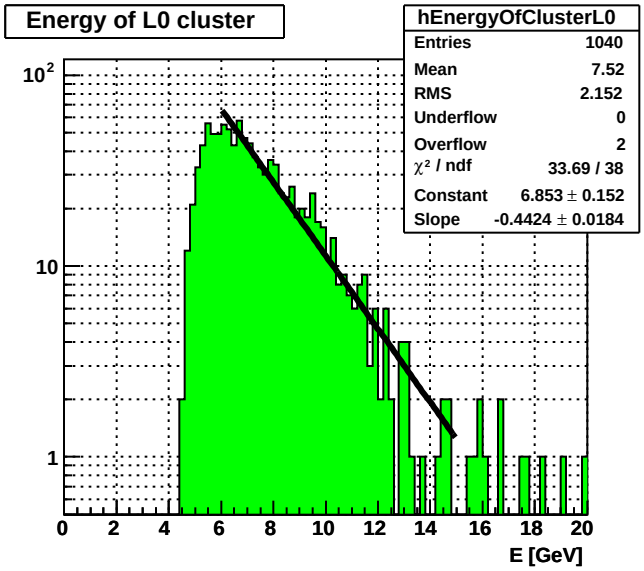
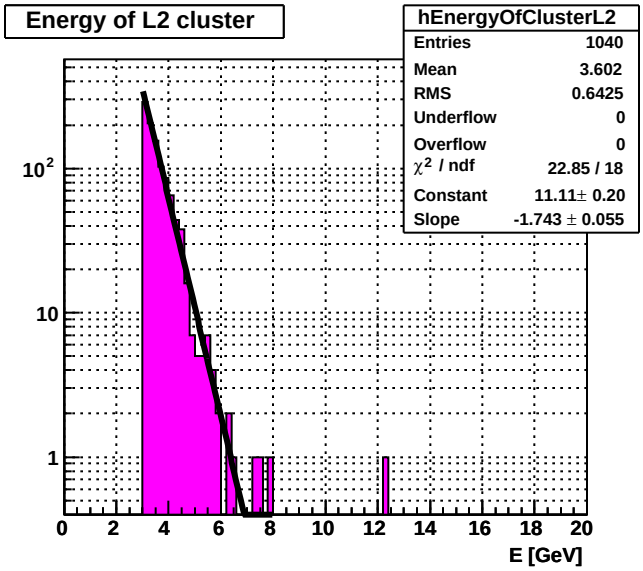

L0 tower
hEtaPhiL0
Entries 1040
Mean x 0.04974
Mean y 0.03147
RMS x 0.5568
RMS y 1.826
φ [radians]
η

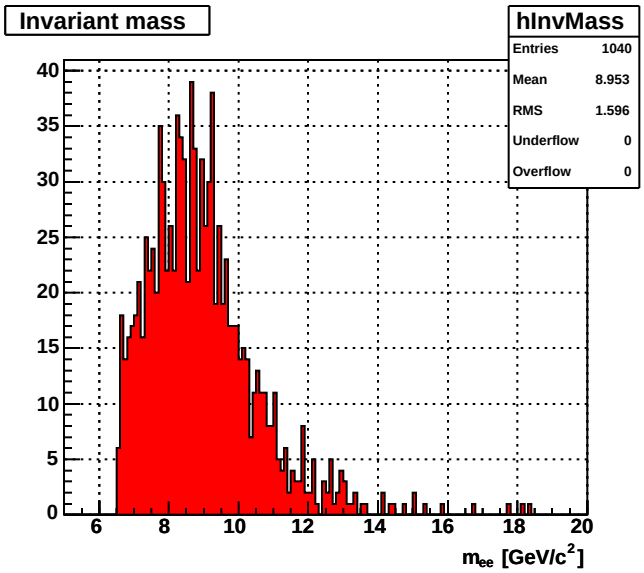

L2 tower
hEtaPhiL2
Entries 1040
Mean x -0.01849
Mean y 0.08005
RMS x 0.4771
RMS y 1.742
φ [radians]
η

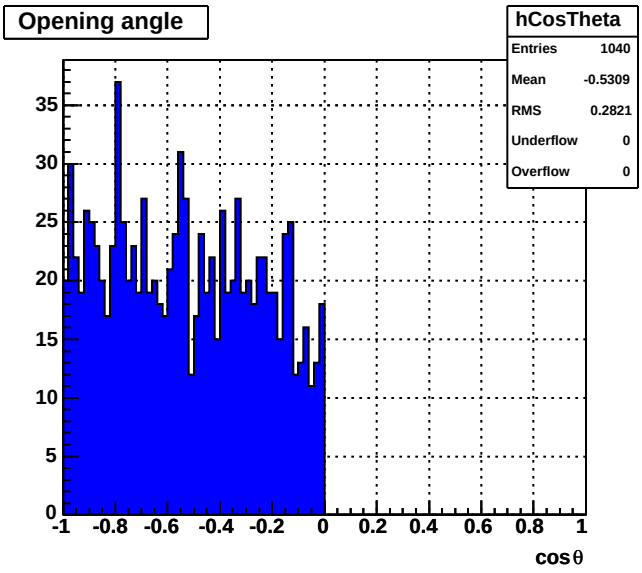

Number of L0 towers
hNumberOfTowersL0
Entries 1040
Mean 1.012
RMS 0.1194
Underflow 0
Overflow 0

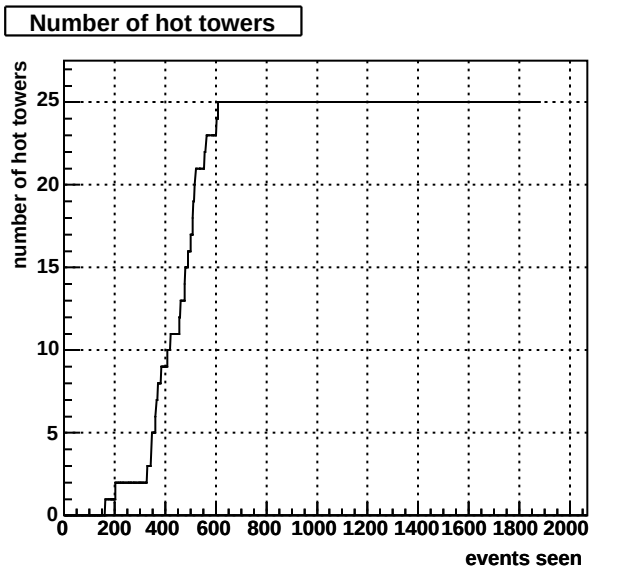

Number of L2 towers
hNumberOfTowersL2
Entries 1040
Mean 27.39
RMS 13.9
Underflow 0
Overflow 0

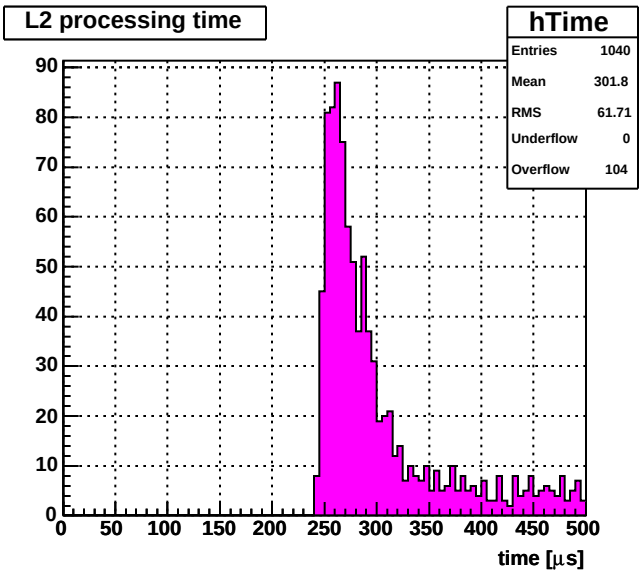

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1040
Mean 7.52
RMS 2.152
Underflow 0
Overflow 2
χ² / ndf 33.69 / 38
Constant 6.853 ± 0.152
Slope -0.4424 ± 0.0184
E [GeV]

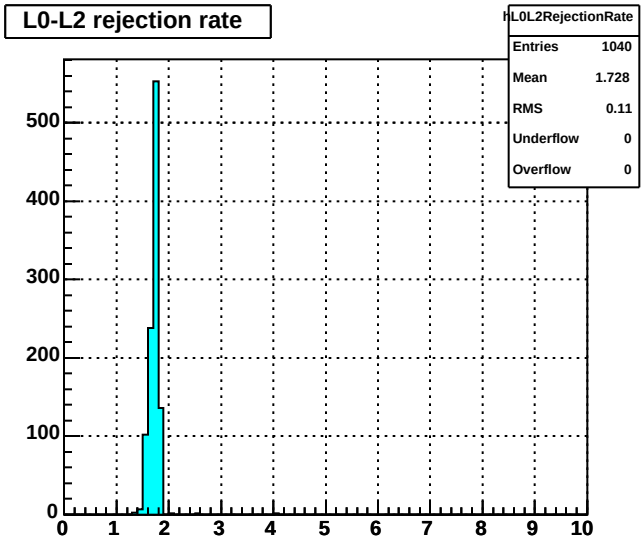

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1040
Mean 3.602
RMS 0.6425
Underflow 0
Overflow 0
χ² / ndf 22.85 / 18
Constant 11.11± 0.20
Slope -1.743 ± 0.055
E [GeV]

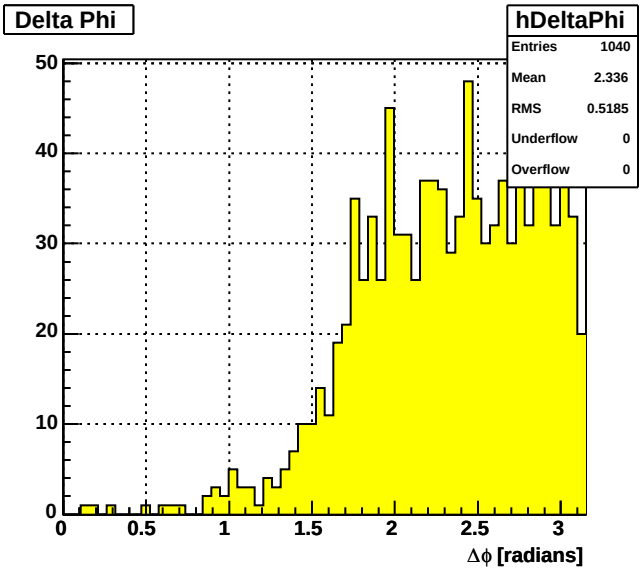

Invariant mass
hInvMass
Entries 1040
Mean 8.953
RMS 1.596
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

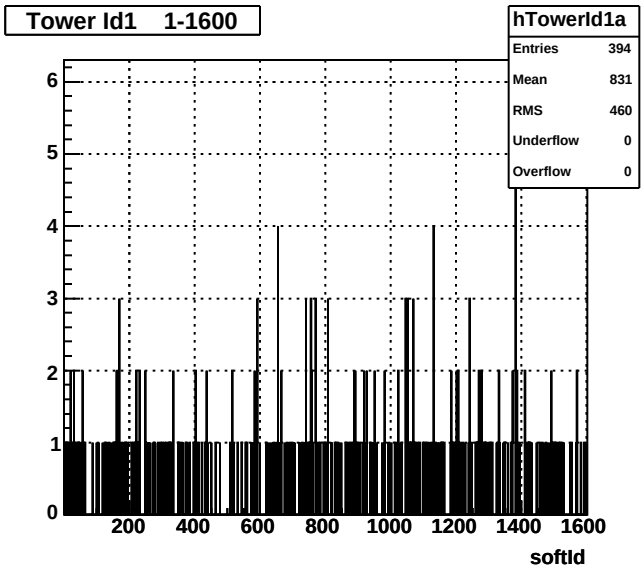

Opening angle
hCosTheta
Entries 1040
Mean -0.5309
RMS 0.2821
Underflow 0
Overflow 0
cos θ

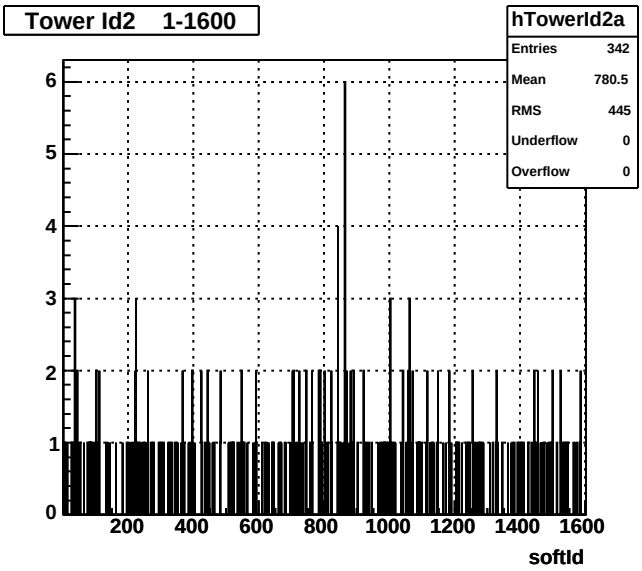

Number of hot towers
number of hot towers
events seen

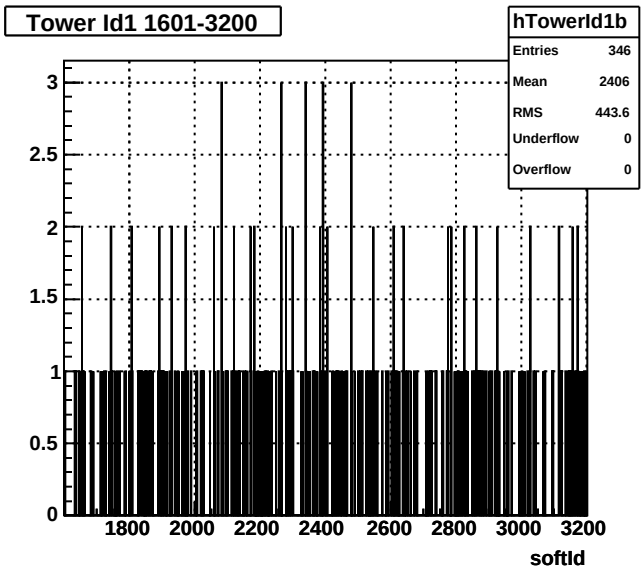

L2 processing time
hTime
Entries 1040
Mean 301.8
RMS 61.71
Underflow 0
Overflow 104
time [μs]

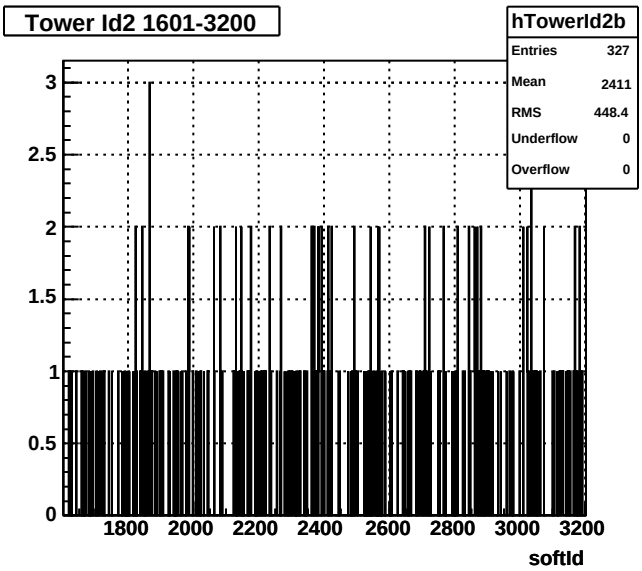

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1040
Mean 1.728
RMS 0.11
Underflow 0
Overflow 0

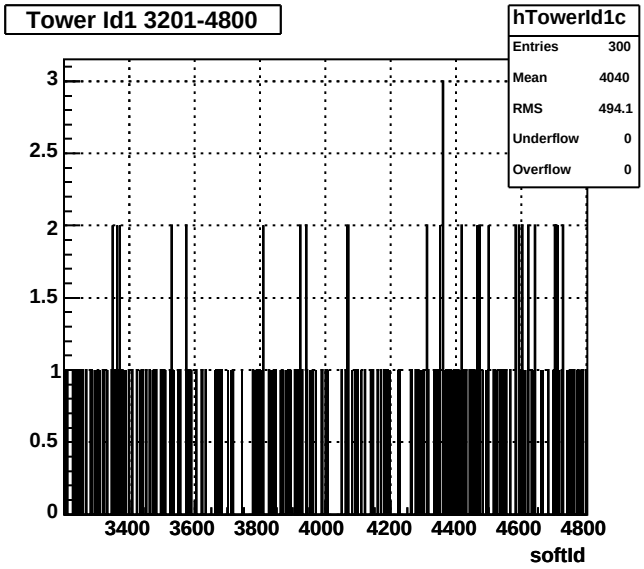

Delta Phi
hDeltaPhi
Entries 1040
Mean 2.336
RMS 0.5185
Underflow 0
Overflow 0
Δφ [radians]

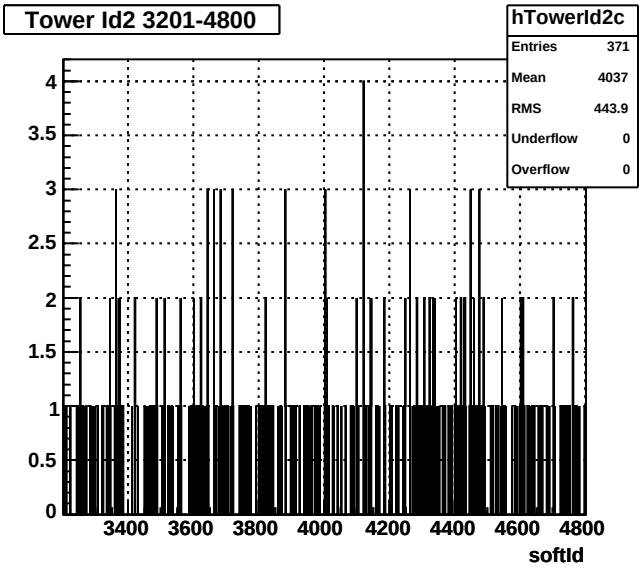

Tower Id1 1-1600
hTowerId1a
Entries 394
Mean 831
RMS 460
Underflow 0
Overflow 0
softId

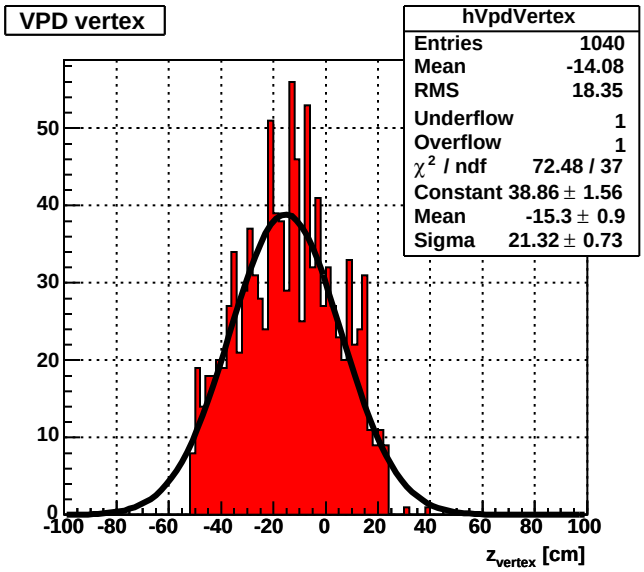

Tower Id2 1-1600
hTowerId2a
Entries 342
Mean 780.5
RMS 445
Underflow 0
Overflow 0
softId

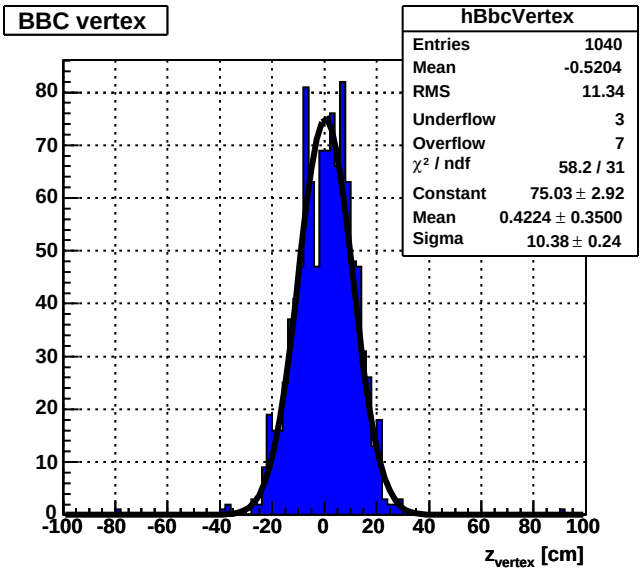

Tower Id1 1601-3200
hTowerId1b
Entries 346
Mean 2406
RMS 443.6
Underflow 0
Overflow 0
softId

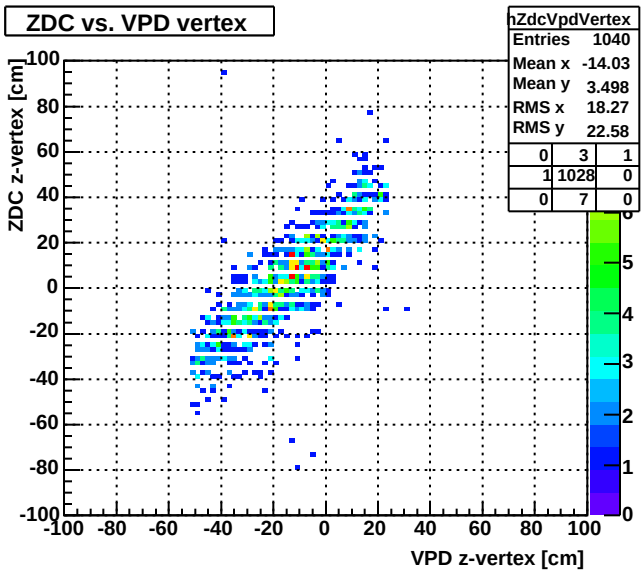

Tower Id2 1601-3200
hTowerId2b
Entries 327
Mean 2411
RMS 448.4
Underflow 0
Overflow 0
softId

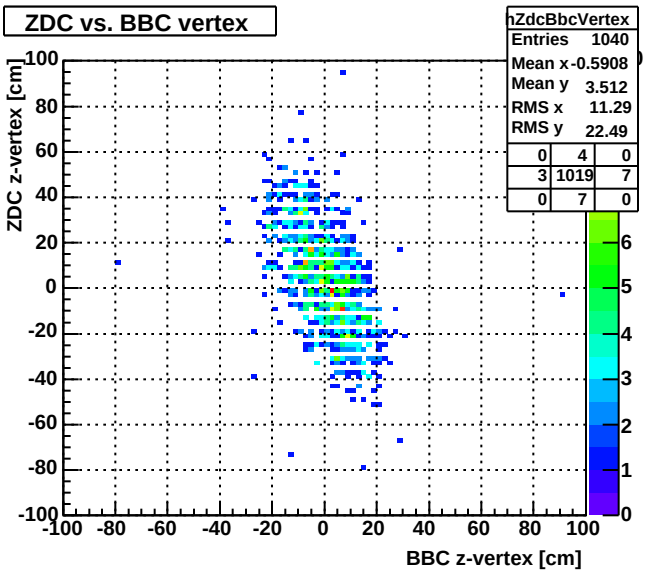

Tower Id1 3201-4800
hTowerId1c
Entries 300
Mean 4040
RMS 494.1
Underflow 0
Overflow 0
softId

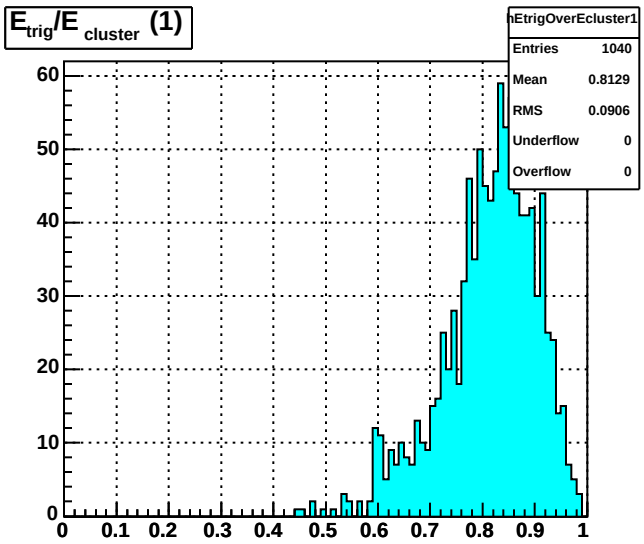

Tower Id2 3201-4800
hTowerId2c
Entries 371
Mean 4037
RMS 443.9
Underflow 0
Overflow 0
softId

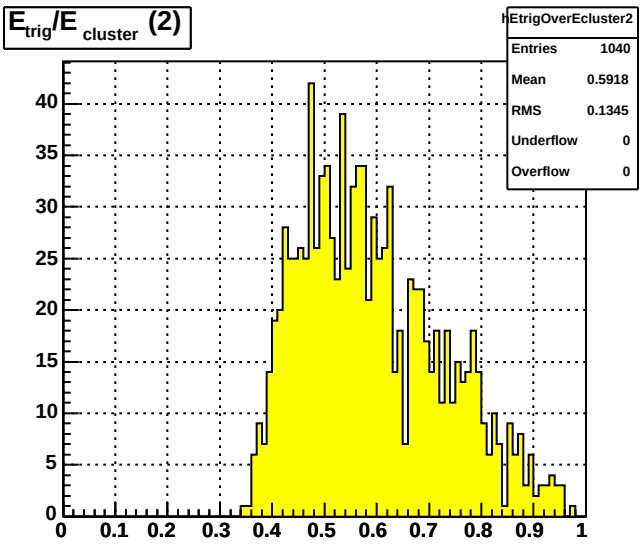

VPD vertex
hVpdVertex
Entries 1040
Mean -14.08
RMS 18.35
Underflow 1
Overflow 1
χ² / ndf 72.48 / 37
Constant 38.86 ± 1.56
Mean -15.3 ± 0.9
Sigma 21.32 ± 0.73
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1040
Mean -0.5204
RMS 11.34
Underflow 3
Overflow 7
χ² / ndf 58.2 / 31
Constant 75.03 ± 2.92
Mean 0.4224 ± 0.3500
Sigma 10.38 ± 0.24
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1040
Mean x -14.03
Mean y 3.498
RMS x 18.27
RMS y 22.58
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1040
Mean x -0.5908
Mean y 3.512
RMS x 11.29
RMS y 22.49
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1040
Mean 0.8129
RMS 0.0906
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1040
Mean 0.5918
RMS 0.1345
Underflow 0
Overflow 0