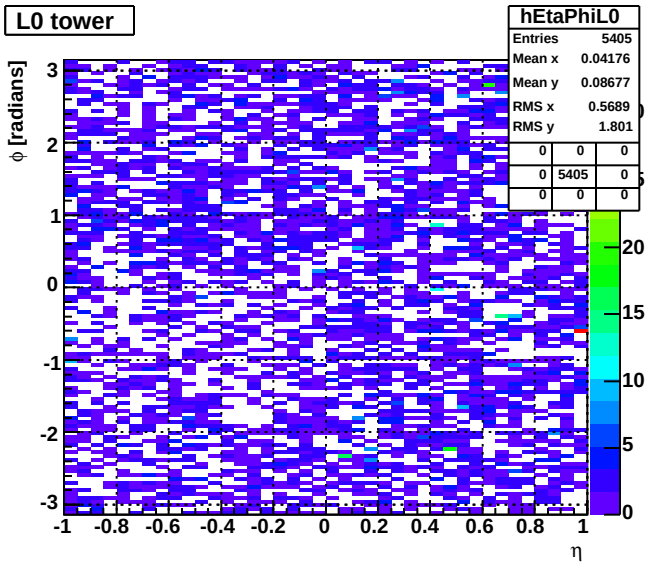
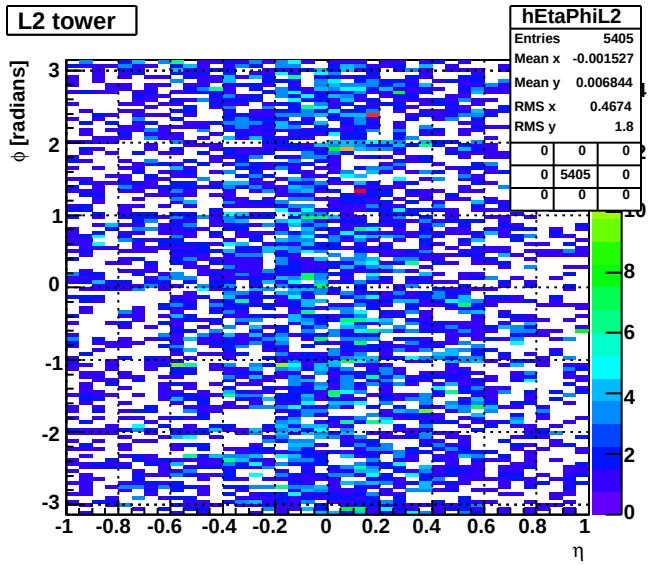
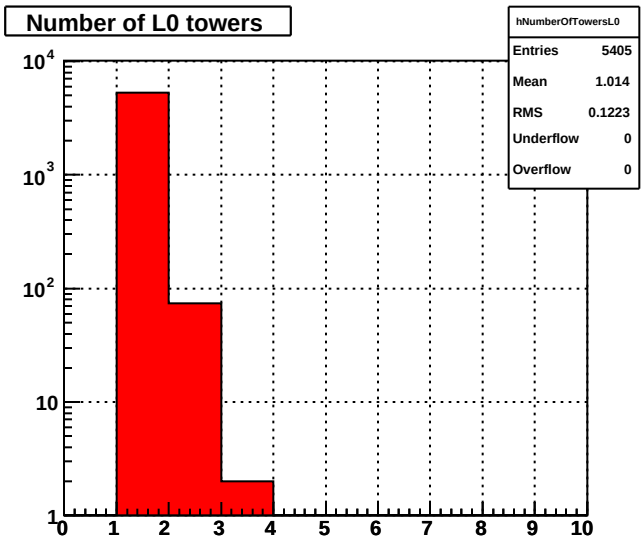
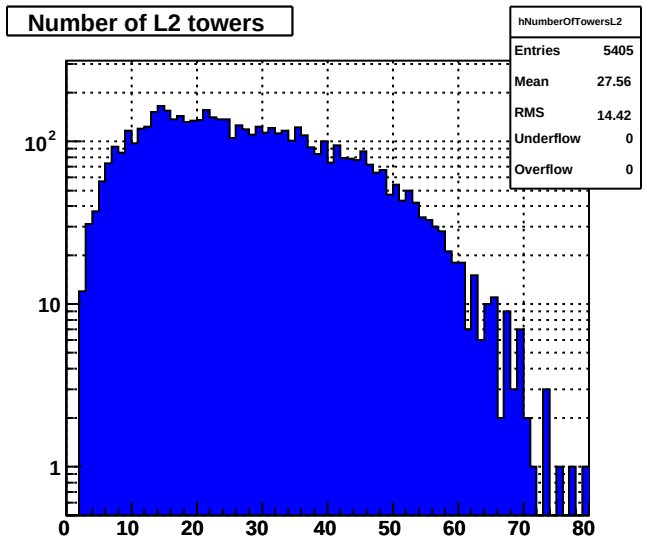
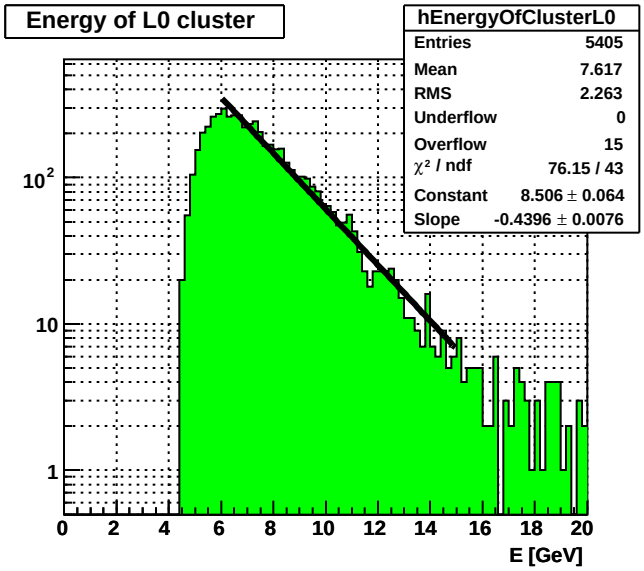
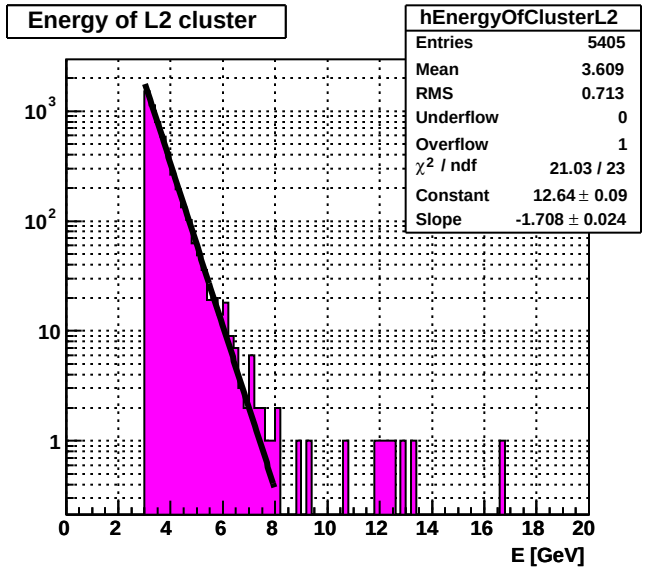

L0 tower
hEtaPhiL0
Entries 5405
Mean x 0.04176
Mean y 0.08677
RMS x 0.5689
RMS y 1.801
φ [radians]
η

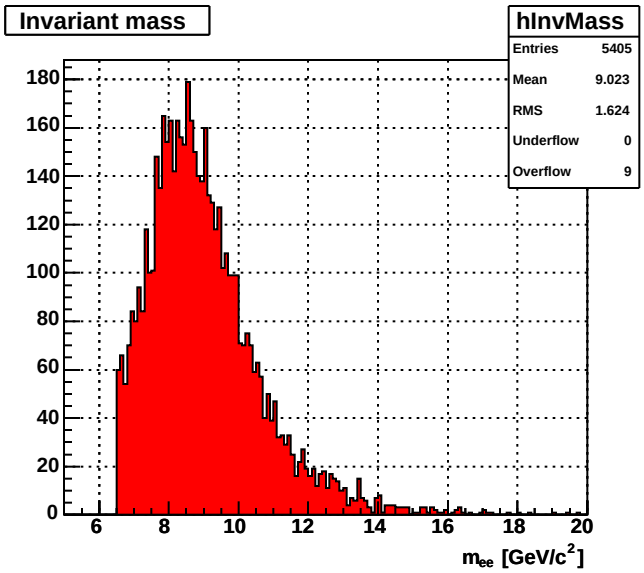

L2 tower
hEtaPhiL2
Entries 5405
Mean x -0.001527
Mean y 0.006844
RMS x 0.4674
RMS y 1.8
φ [radians]
η

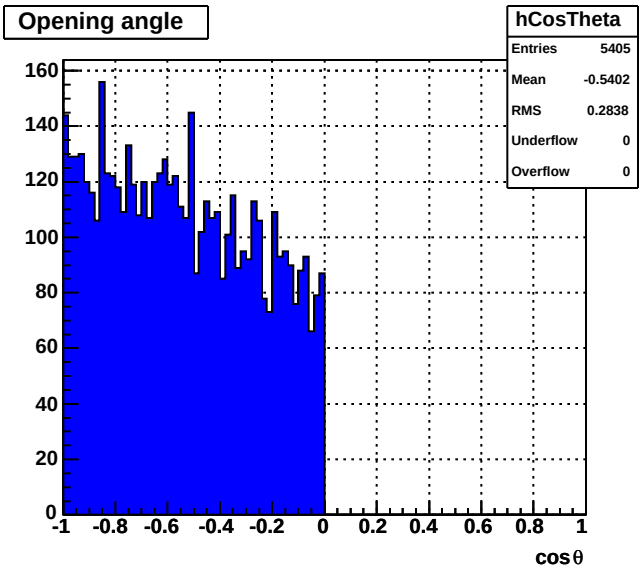

Number of L0 towers
hNumberOfTowersL0
Entries 5405
Mean 1.014
RMS 0.1223
Underflow 0
Overflow 0

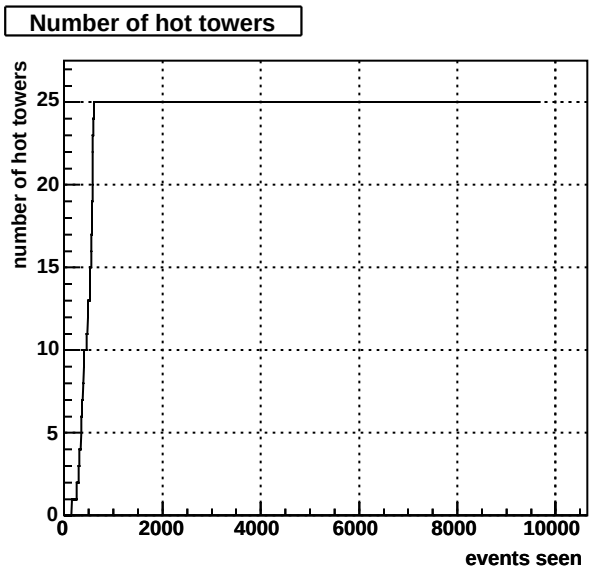

Number of L2 towers
hNumberOfTowersL2
Entries 5405
Mean 27.56
RMS 14.42
Underflow 0
Overflow 0

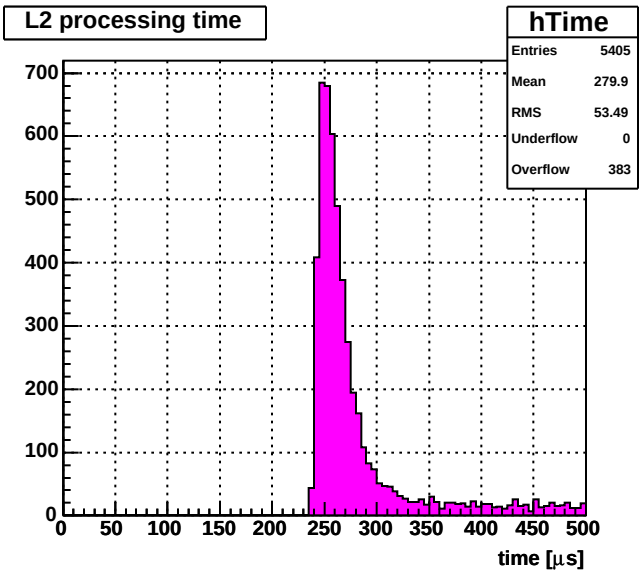

Energy of L0 cluster
hEnergyOfClusterL0
Entries 5405
Mean 7.617
RMS 2.263
Underflow 0
Overflow 15
χ² / ndf 76.15 / 43
Constant 8.506 ± 0.064
Slope -0.4396 ± 0.0076
E [GeV]

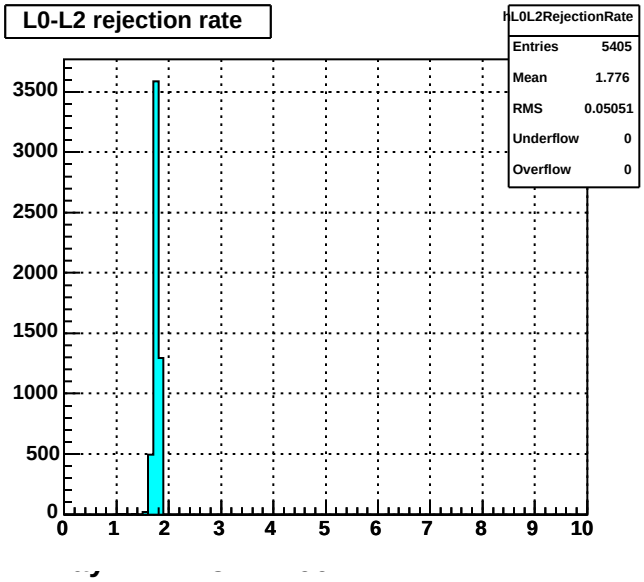

Energy of L2 cluster
hEnergyOfClusterL2
Entries 5405
Mean 3.609
RMS 0.713
Underflow 0
Overflow 1
χ² / ndf 21.03 / 23
Constant 12.64 ± 0.09
Slope -1.708 ± 0.024
E [GeV]

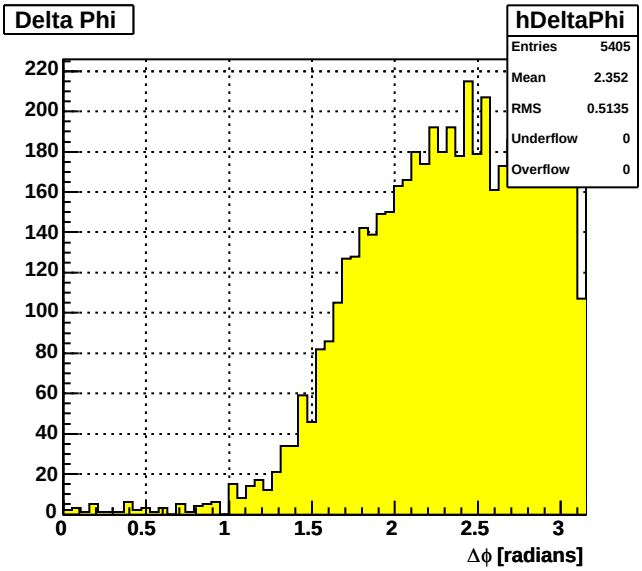

Invariant mass
hInvMass
Entries 5405
Mean 9.023
RMS 1.624
Underflow 0
Overflow 9
m_{ee} [GeV/c^2]

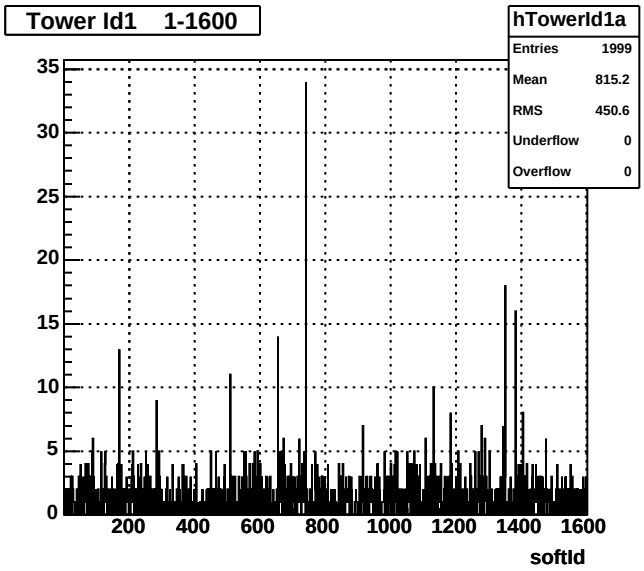

Opening angle
hCosTheta
Entries 5405
Mean -0.5402
RMS 0.2838
Underflow 0
Overflow 0
cos θ

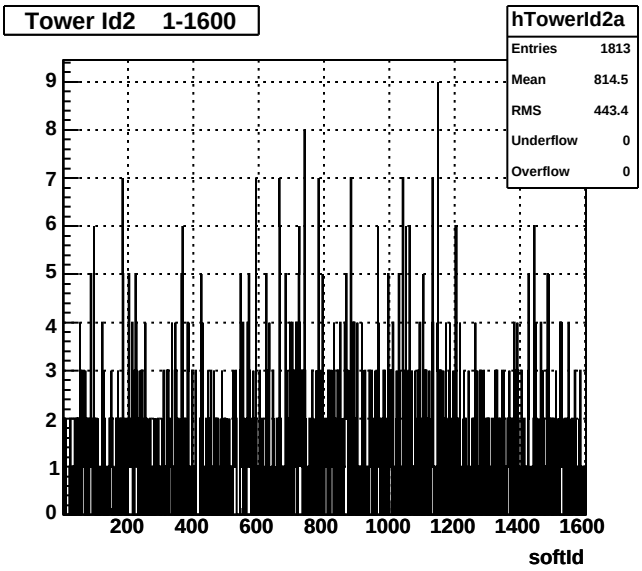

Number of hot towers
number of hot towers
events seen

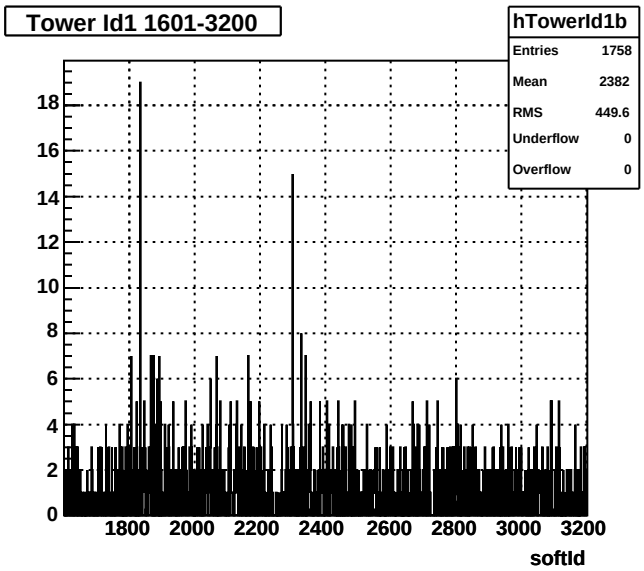

L2 processing time
hTime
Entries 5405
Mean 279.9
RMS 53.49
Underflow 0
Overflow 383
time [μs]

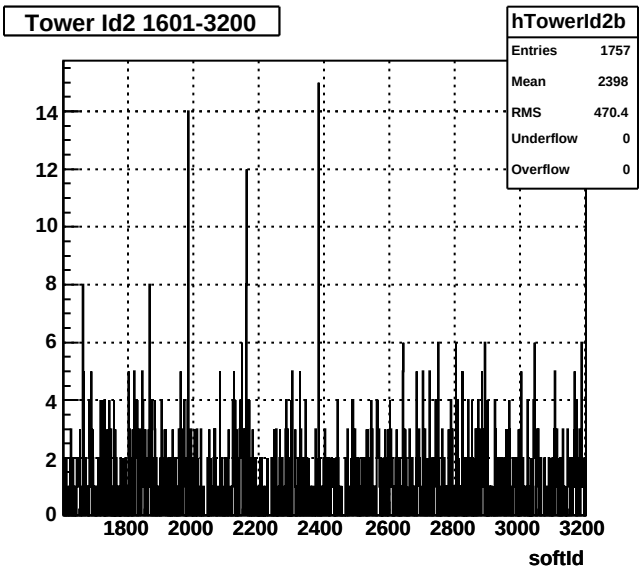

L0-L2 rejection rate
hL0L2RejectionRate
Entries 5405
Mean 1.776
RMS 0.05051
Underflow 0
Overflow 0

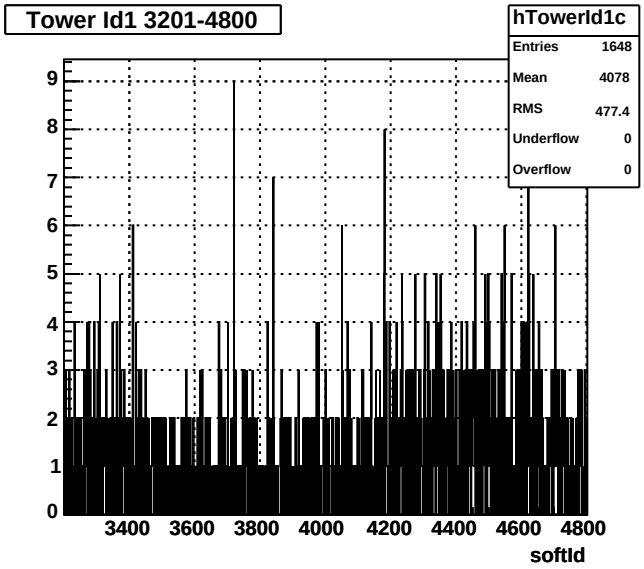

Delta Phi
hDeltaPhi
Entries 5405
Mean 2.352
RMS 0.5135
Underflow 0
Overflow 0
Δφ [radians]

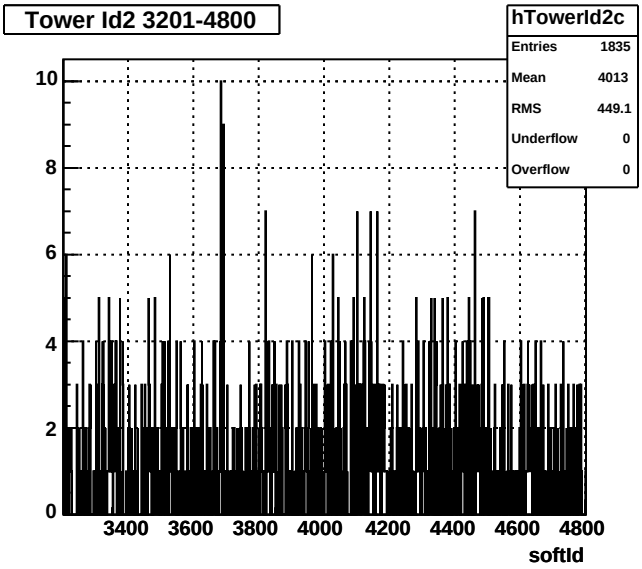

Tower Id1 1-1600
hTowerId1a
Entries 1999
Mean 815.2
RMS 450.6
Underflow 0
Overflow 0
softId

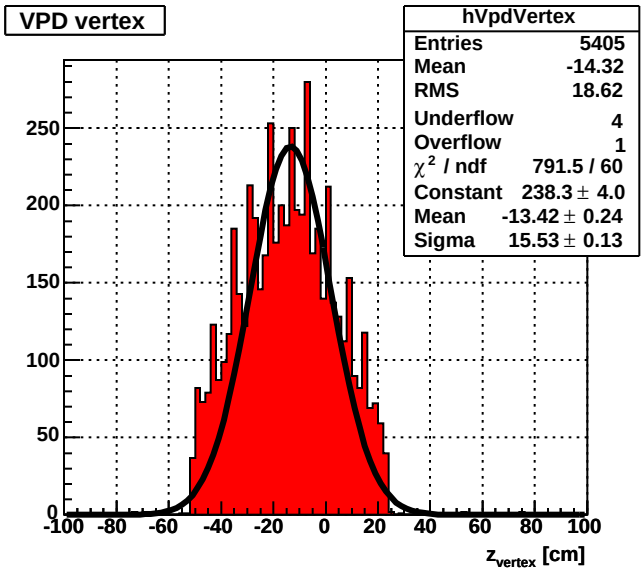

Tower Id2 1-1600
hTowerId2a
Entries 1813
Mean 814.5
RMS 443.4
Underflow 0
Overflow 0
softId

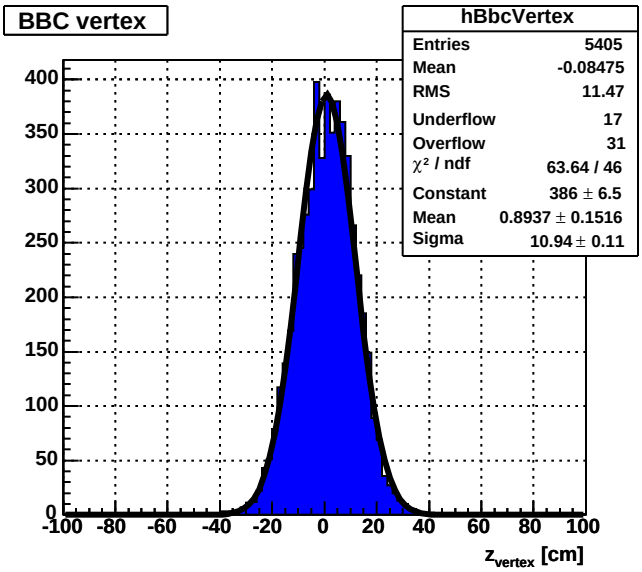

Tower Id1 1601-3200
hTowerId1b
Entries 1758
Mean 2382
RMS 449.6
Underflow 0
Overflow 0
softId

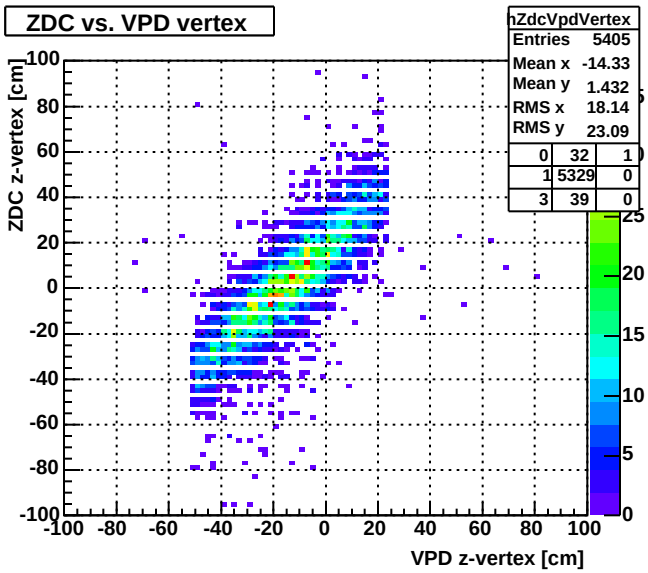

Tower Id2 1601-3200
hTowerId2b
Entries 1757
Mean 2398
RMS 470.4
Underflow 0
Overflow 0
softId

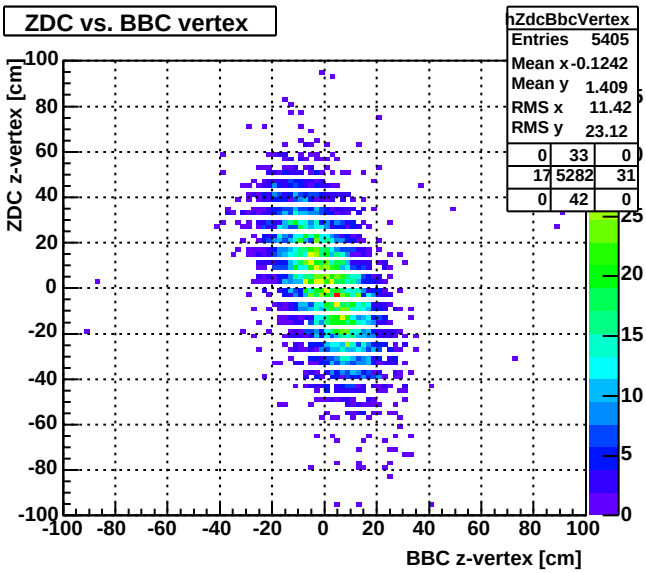

Tower Id1 3201-4800
hTowerId1c
Entries 1648
Mean 4078
RMS 477.4
Underflow 0
Overflow 0
softId

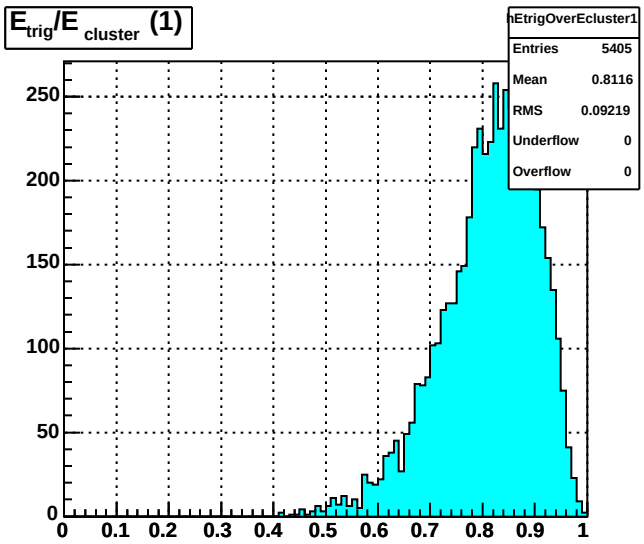

Tower Id2 3201-4800
hTowerId2c
Entries 1835
Mean 4013
RMS 449.1
Underflow 0
Overflow 0
softId

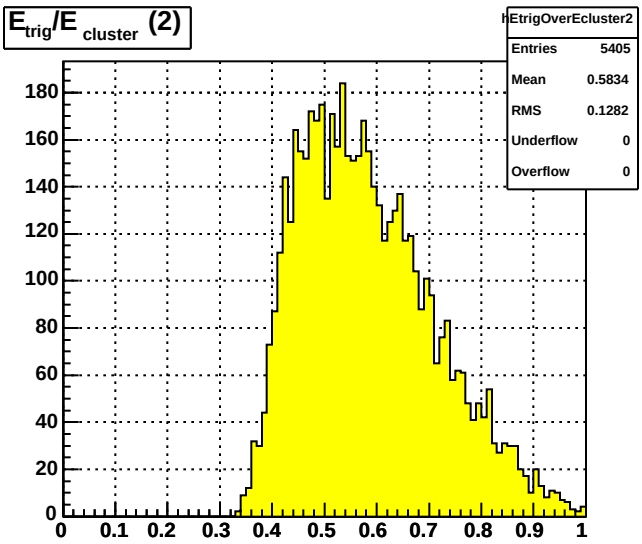

VPD vertex
hVpdVertex
Entries 5405
Mean -14.32
RMS 18.62
Underflow 4
Overflow 1
χ² / ndf 791.5 / 60
Constant 238.3 ± 4.0
Mean -13.42 ± 0.24
Sigma 15.53 ± 0.13
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 5405
Mean -0.08475
RMS 11.47
Underflow 17
Overflow 31
χ² / ndf 63.64 / 46
Constant 386 ± 6.5
Mean 0.8937 ± 0.1516
Sigma 10.94 ± 0.11
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 5405
Mean x -14.33
Mean y 1.432
RMS x 18.14
RMS y 23.09
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 5405
Mean x -0.1242
Mean y 1.409
RMS x 11.42
RMS y 23.12
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 5405
Mean 0.8116
RMS 0.09219
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 5405
Mean 0.5834
RMS 0.1282
Underflow 0
Overflow 0