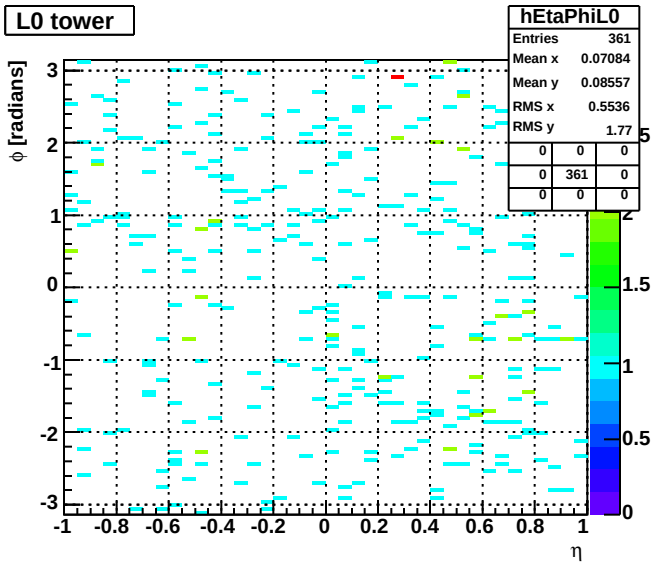
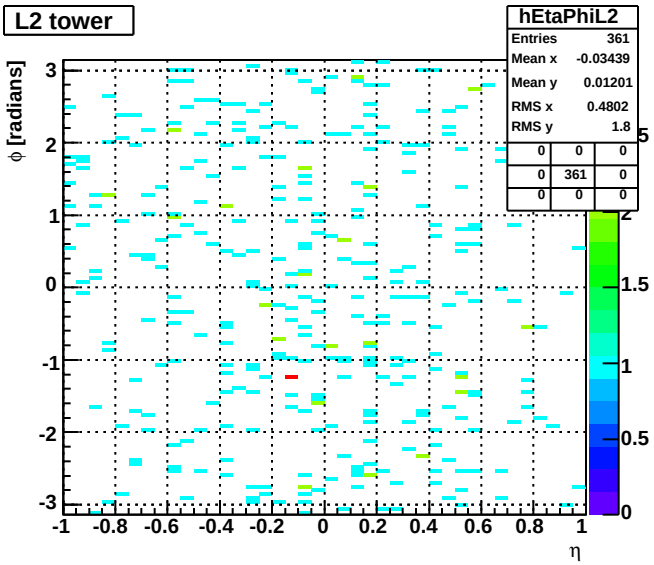
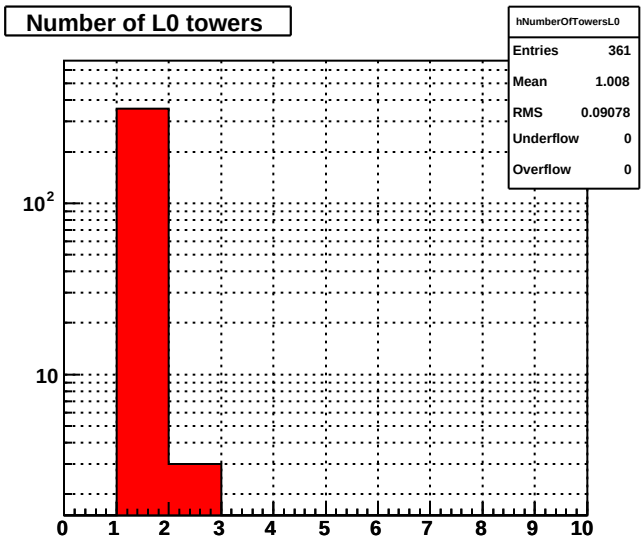
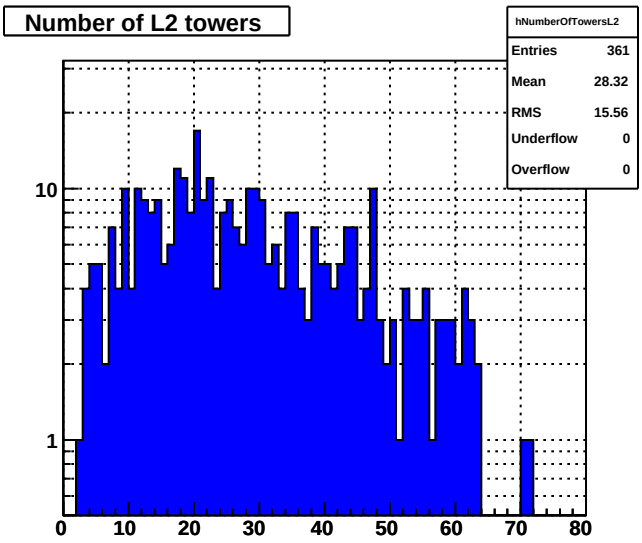
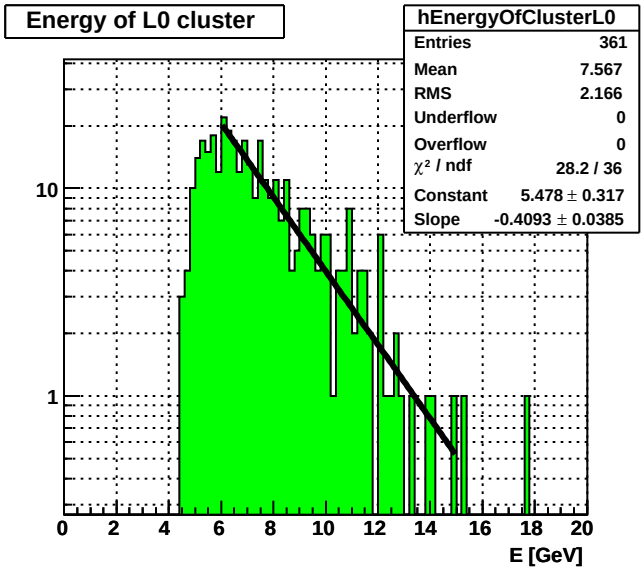
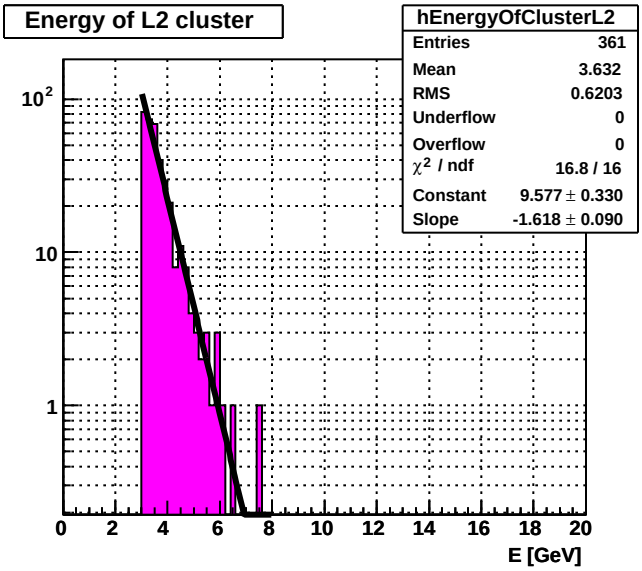

L0 tower
hEtaPhiL0
Entries 361
Mean x 0.07084
Mean y 0.08557
RMS x 0.5536
RMS y 1.77
φ [radians]
η

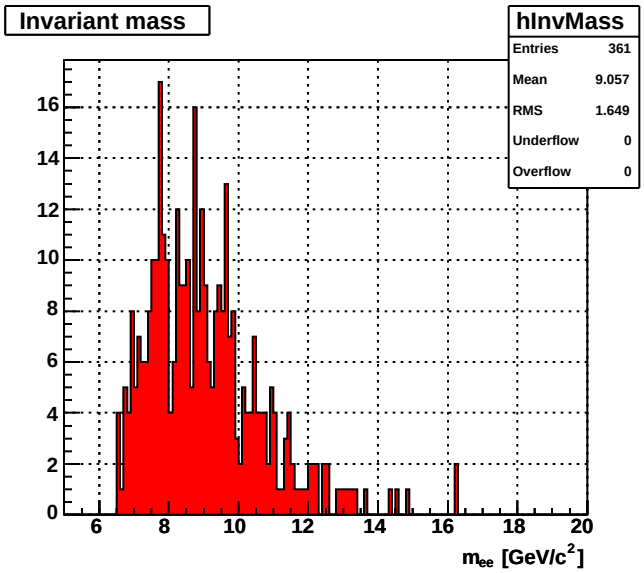

L2 tower
hEtaPhiL2
Entries 361
Mean x -0.03439
Mean y 0.01201
RMS x 0.4802
RMS y 1.8
φ [radians]
η

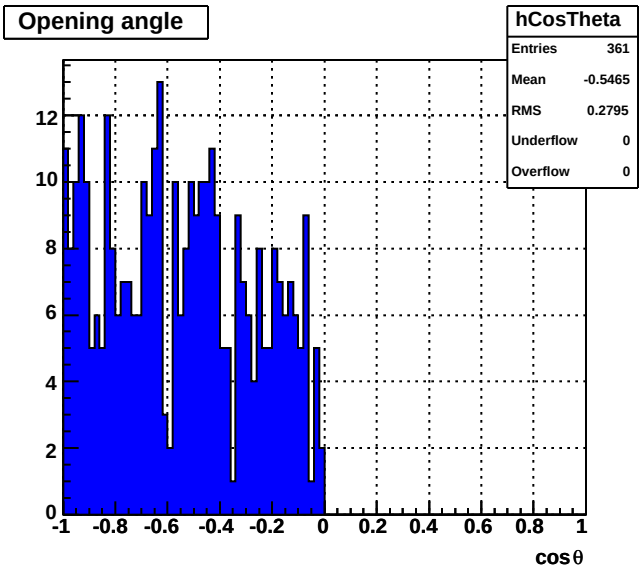

Number of L0 towers
hNumberOfTowersL0
Entries 361
Mean 1.008
RMS 0.09078
Underflow 0
Overflow 0

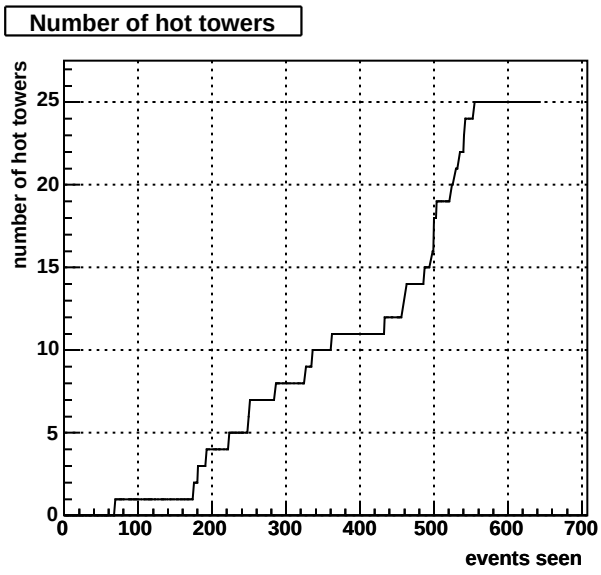

Number of L2 towers
hNumberOfTowersL2
Entries 361
Mean 28.32
RMS 15.56
Underflow 0
Overflow 0

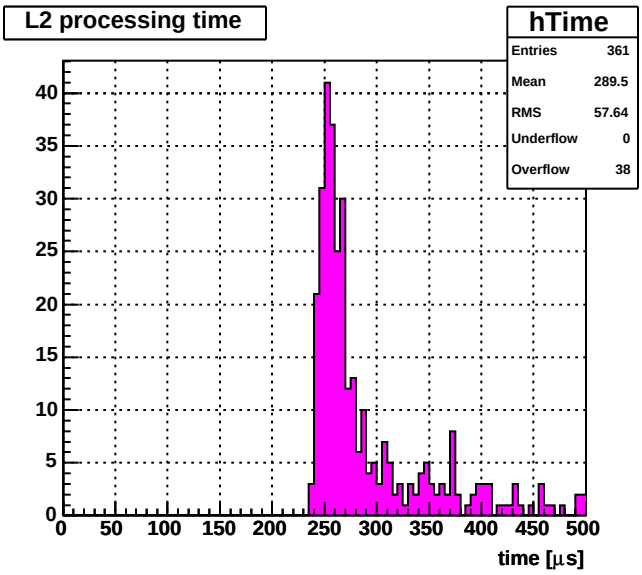

Energy of L0 cluster
hEnergyOfClusterL0
Entries 361
Mean 7.567
RMS 2.166
Underflow 0
Overflow 0
χ² / ndf 28.2 / 36
Constant 5.478 ± 0.317
Slope -0.4093 ± 0.0385
E [GeV]

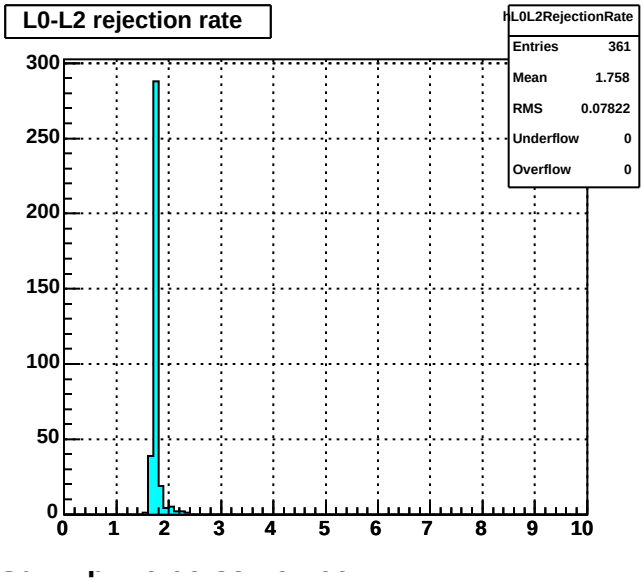

Energy of L2 cluster
hEnergyOfClusterL2
Entries 361
Mean 3.632
RMS 0.6203
Underflow 0
Overflow 0
χ² / ndf 16.8 / 16
Constant 9.577 ± 0.330
Slope -1.618 ± 0.090
E [GeV]

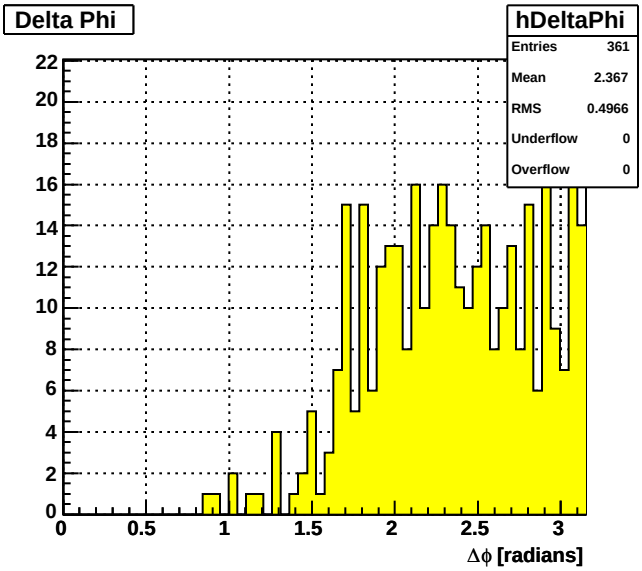

Invariant mass
hInvMass
Entries 361
Mean 9.057
RMS 1.649
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

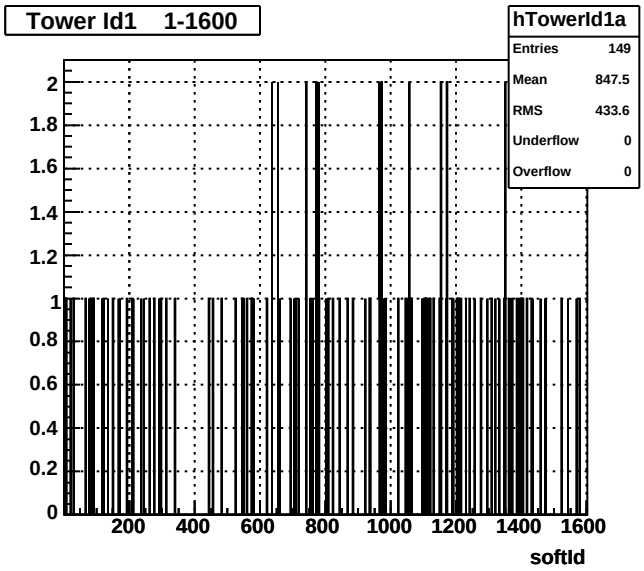

Opening angle
hCosTheta
Entries 361
Mean -0.5465
RMS 0.2795
Underflow 0
Overflow 0
cos θ

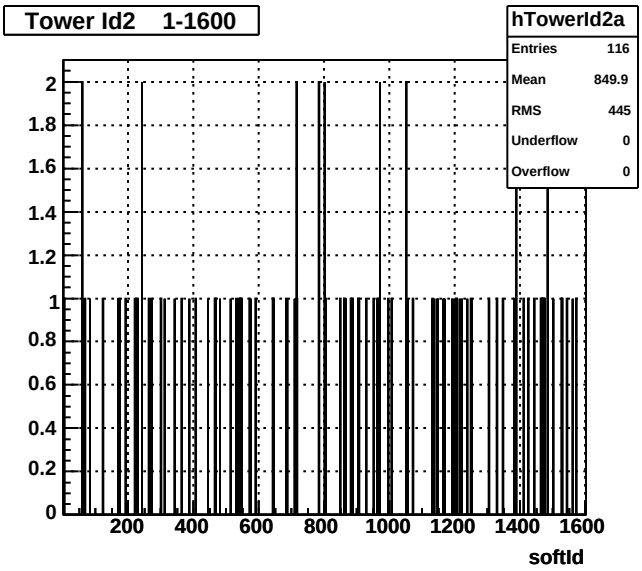

Number of hot towers
number of hot towers
events seen

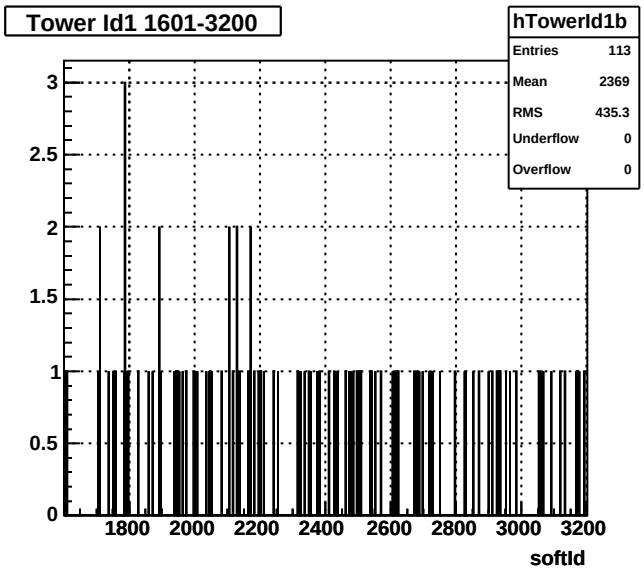

L2 processing time
hTime
Entries 361
Mean 289.5
RMS 57.64
Underflow 0
Overflow 38
time [μs]

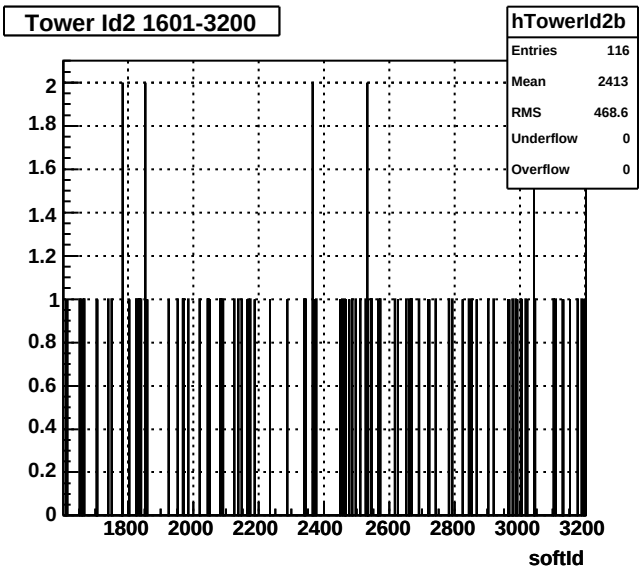

L0-L2 rejection rate
hL0L2RejectionRate
Entries 361
Mean 1.758
RMS 0.07822
Underflow 0
Overflow 0

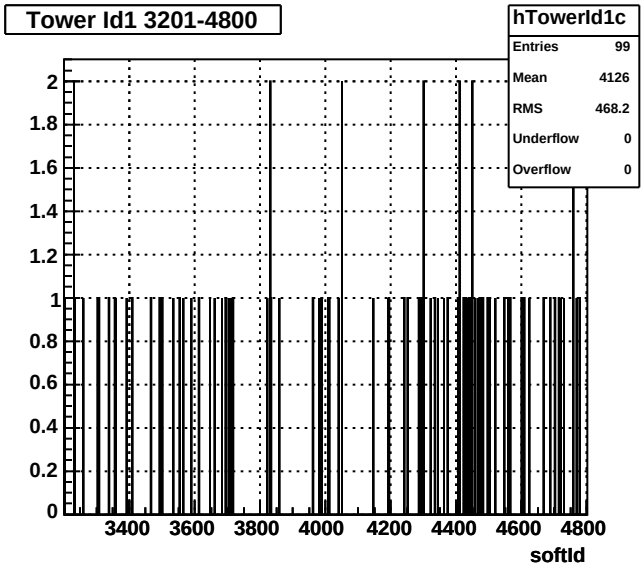

Delta Phi
hDeltaPhi
Entries 361
Mean 2.367
RMS 0.4966
Underflow 0
Overflow 0
Δφ [radians]

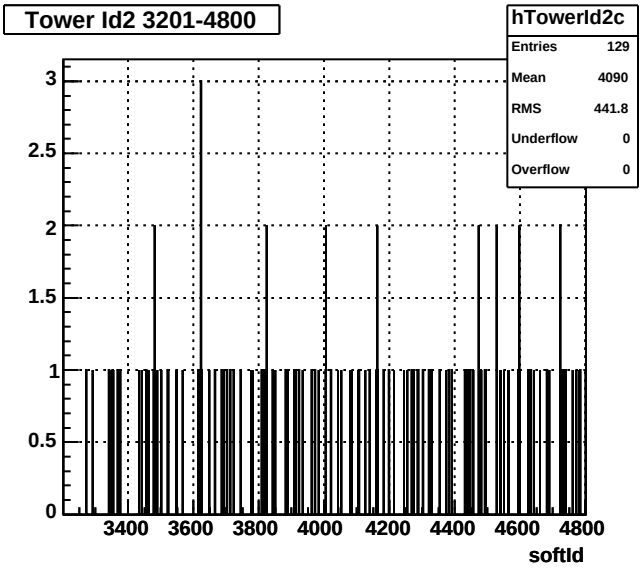

Tower Id1 1-1600
hTowerId1a
Entries 149
Mean 847.5
RMS 433.6
Underflow 0
Overflow 0
softId

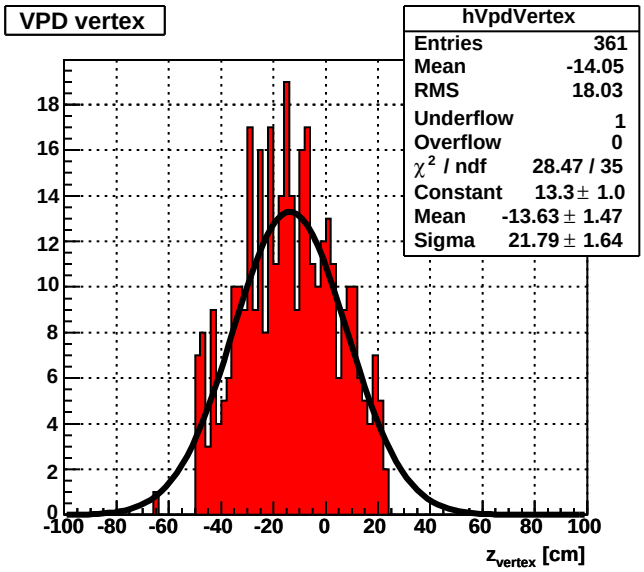

Tower Id2 1-1600
hTowerId2a
Entries 116
Mean 849.9
RMS 445
Underflow 0
Overflow 0
softId

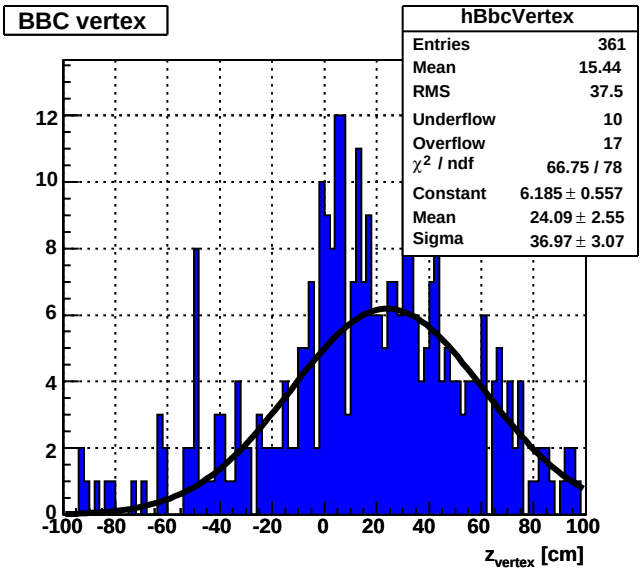

Tower Id1 1601-3200
hTowerId1b
Entries 113
Mean 2369
RMS 435.3
Underflow 0
Overflow 0
softId

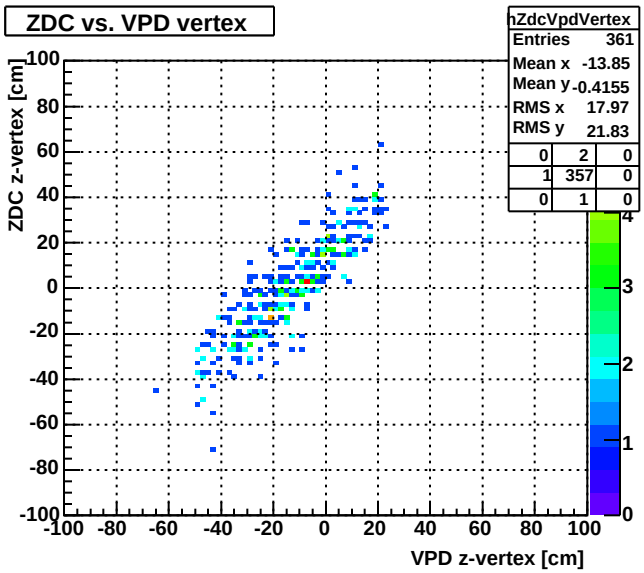

Tower Id2 1601-3200
hTowerId2b
Entries 116
Mean 2413
RMS 468.6
Underflow 0
Overflow 0
softId

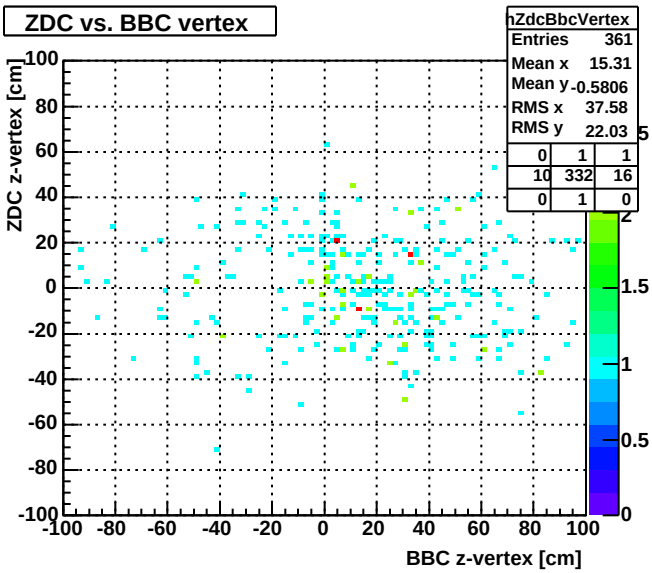

Tower Id1 3201-4800
hTowerId1c
Entries 99
Mean 4126
RMS 468.2
Underflow 0
Overflow 0
softId

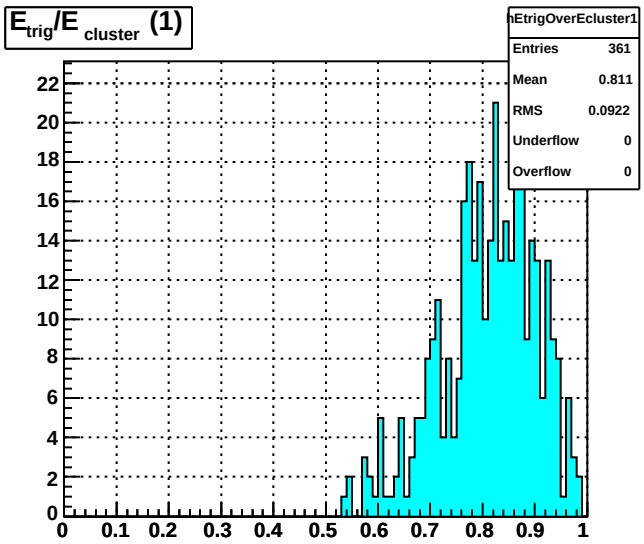

Tower Id2 3201-4800
hTowerId2c
Entries 129
Mean 4090
RMS 441.8
Underflow 0
Overflow 0
softId

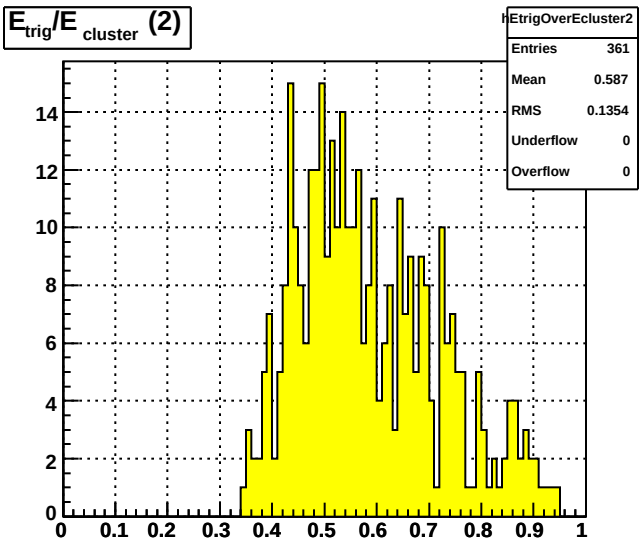

VPD vertex
hVpdVertex
Entries 361
Mean -14.05
RMS 18.03
Underflow 1
Overflow 0
χ² / ndf 28.47 / 35
Constant 13.3 ± 1.0
Mean -13.63 ± 1.47
Sigma 21.79 ± 1.64
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 361
Mean 15.44
RMS 37.5
Underflow 10
Overflow 17
χ² / ndf 66.75 / 78
Constant 6.185 ± 0.557
Mean 24.09 ± 2.55
Sigma 36.97 ± 3.07
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 361
Mean x -13.85
Mean y -0.4155
RMS x 17.97
RMS y 21.83
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 361
Mean x 15.31
Mean y -0.5806
RMS x 37.58
RMS y 22.03
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 361
Mean 0.811
RMS 0.0922
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 361
Mean 0.587
RMS 0.1354
Underflow 0
Overflow 0