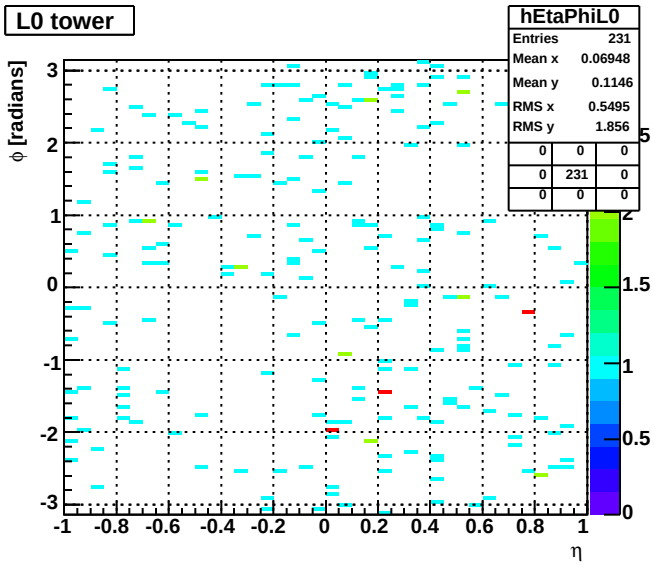
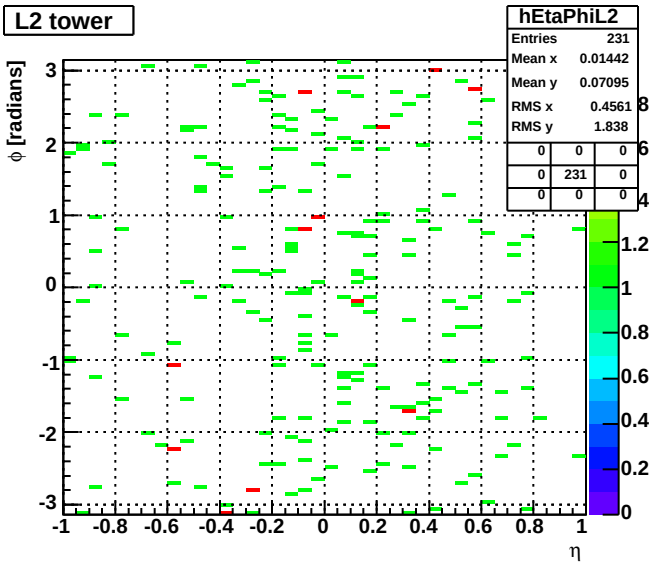
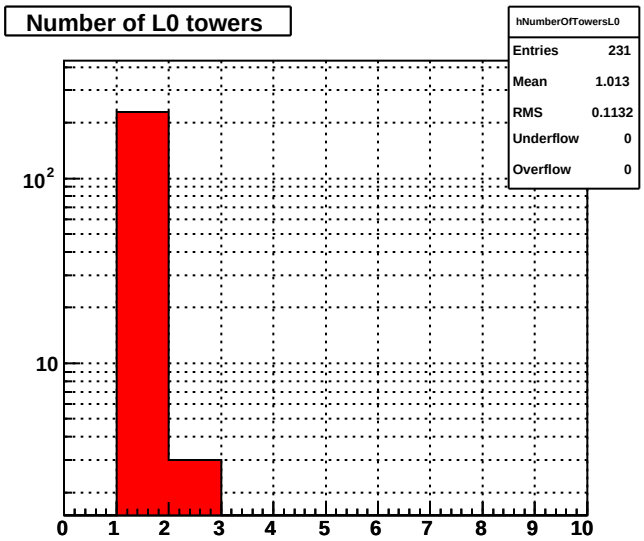
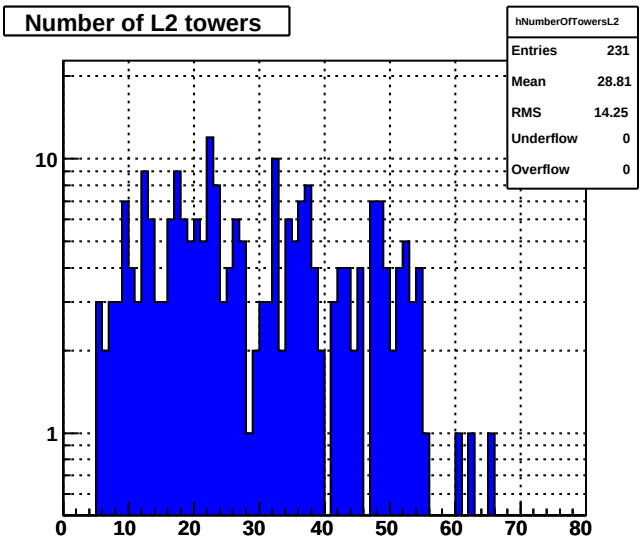
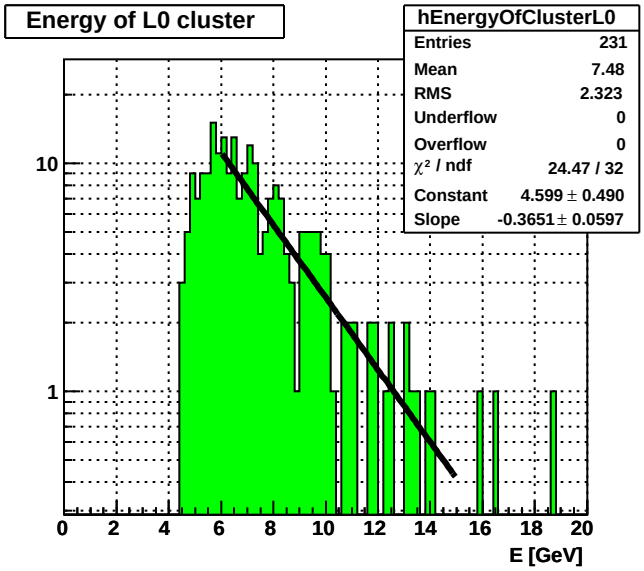
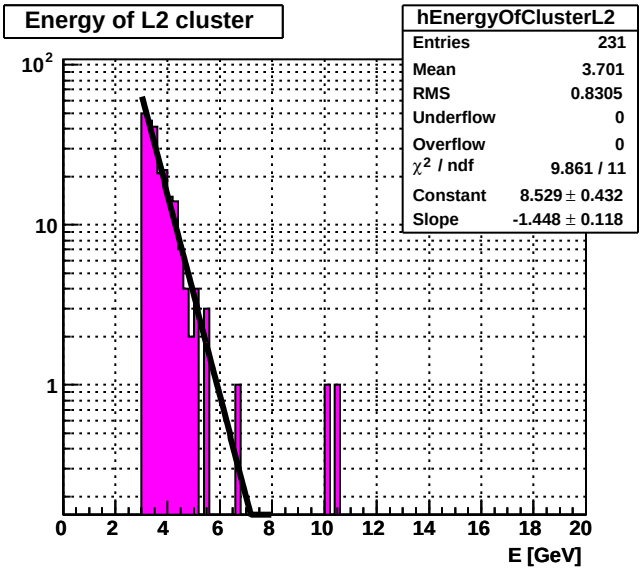

L0 tower
hEtaPhiL0
Entries 231
Mean x 0.06948
Mean y 0.1146
RMS x 0.5495
RMS y 1.856
φ [radians]
η

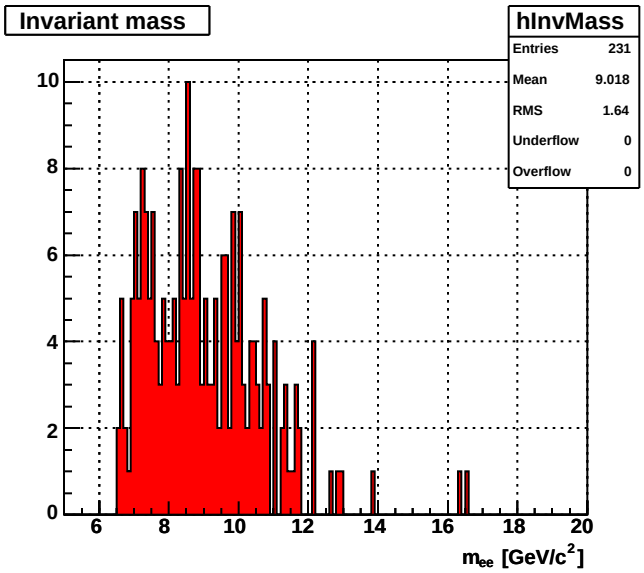

L2 tower
hEtaPhiL2
Entries 231
Mean x 0.01442
Mean y 0.07095
RMS x 0.4561
RMS y 1.838
φ [radians]
η

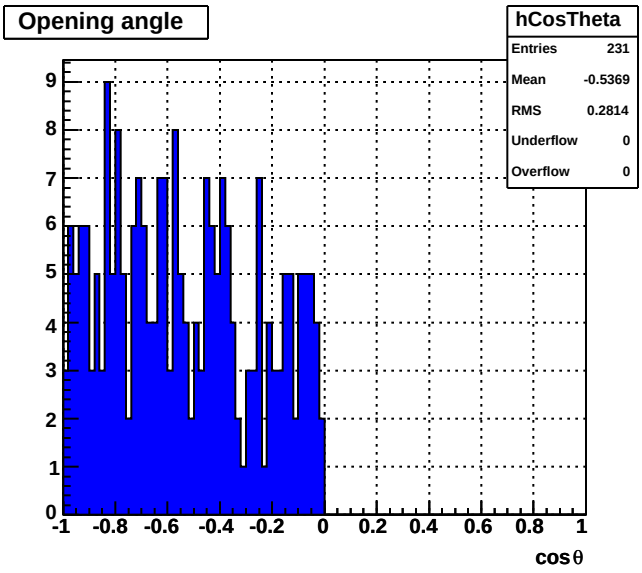

Number of L0 towers
hNumberOfTowersL0
Entries 231
Mean 1.013
RMS 0.1132
Underflow 0
Overflow 0

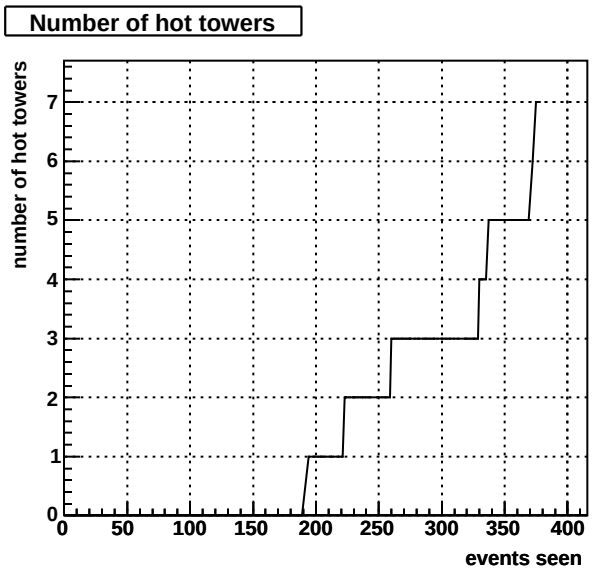

Number of L2 towers
hNumberOfTowersL2
Entries 231
Mean 28.81
RMS 14.25
Underflow 0
Overflow 0

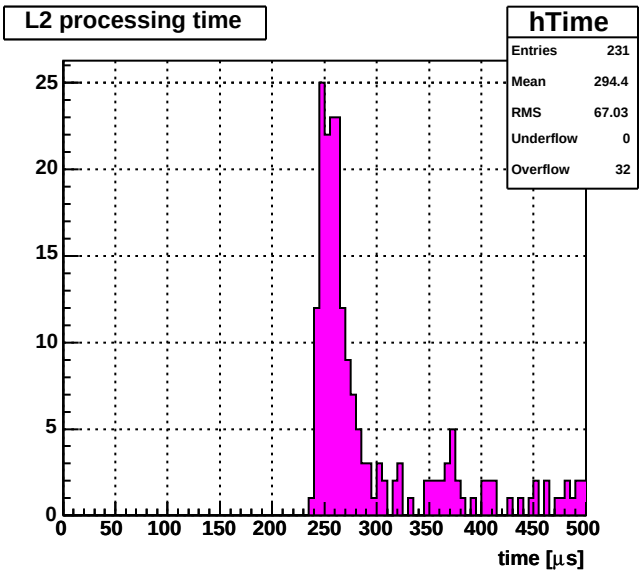

Energy of L0 cluster
hEnergyOfClusterL0
Entries 231
Mean 7.48
RMS 2.323
Underflow 0
Overflow 0
χ² / ndf 24.47 / 32
Constant 4.599 ± 0.490
Slope -0.3651 ± 0.0597
E [GeV]

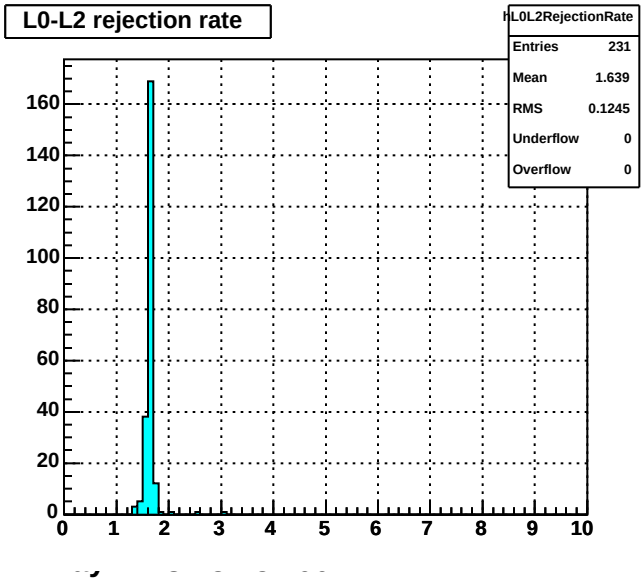

Energy of L2 cluster
hEnergyOfClusterL2
Entries 231
Mean 3.701
RMS 0.8305
Underflow 0
Overflow 0
χ² / ndf 9.861 / 11
Constant 8.529 ± 0.432
Slope -1.448 ± 0.118
E [GeV]

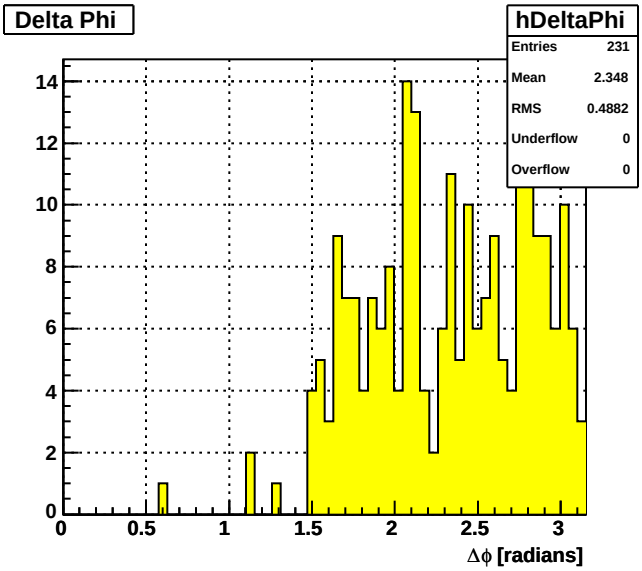

Invariant mass
hInvMass
Entries 231
Mean 9.018
RMS 1.64
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

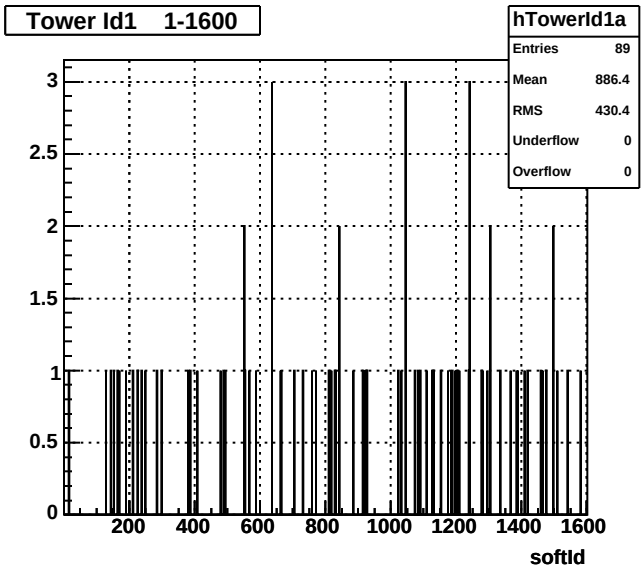

Opening angle
hCosTheta
Entries 231
Mean -0.5369
RMS 0.2814
Underflow 0
Overflow 0
cos θ

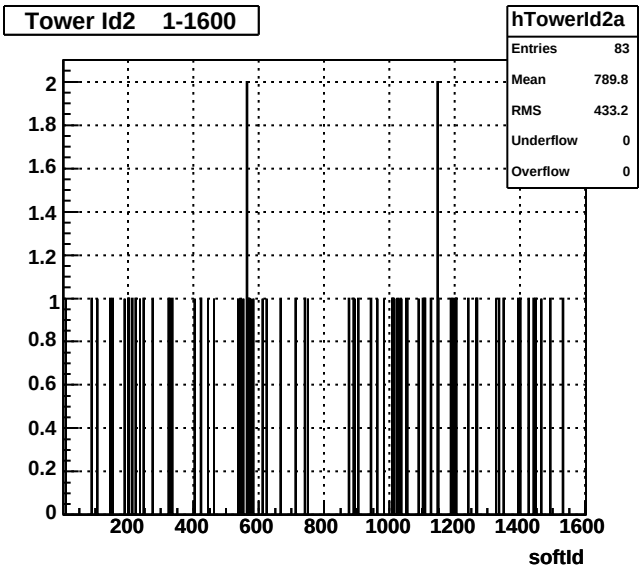

Number of hot towers
number of hot towers
events seen

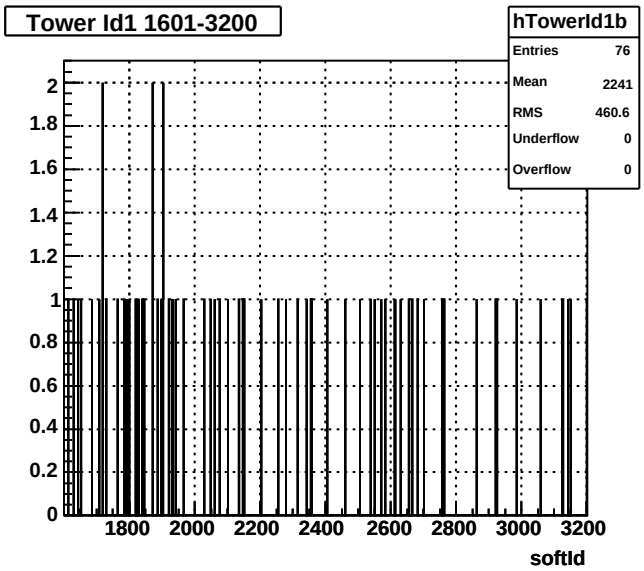

L2 processing time
hTime
Entries 231
Mean 294.4
RMS 67.03
Underflow 0
Overflow 32
time [μs]

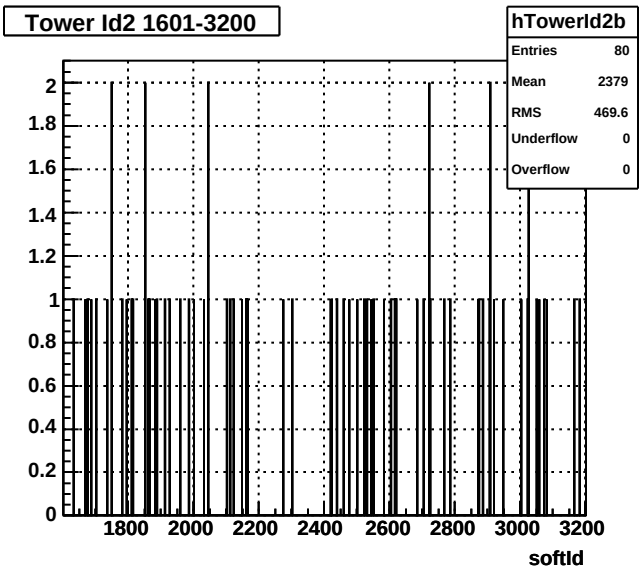

L0-L2 rejection rate
hL0L2RejectionRate
Entries 231
Mean 1.639
RMS 0.1245
Underflow 0
Overflow 0

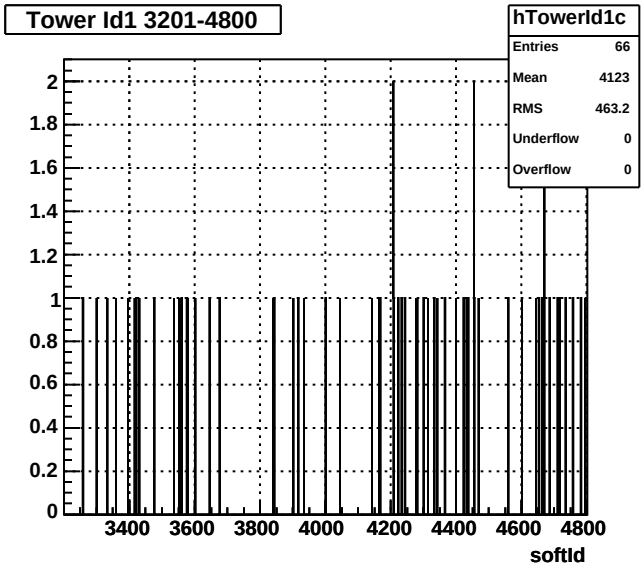

Delta Phi
hDeltaPhi
Entries 231
Mean 2.348
RMS 0.4882
Underflow 0
Overflow 0
Δφ [radians]

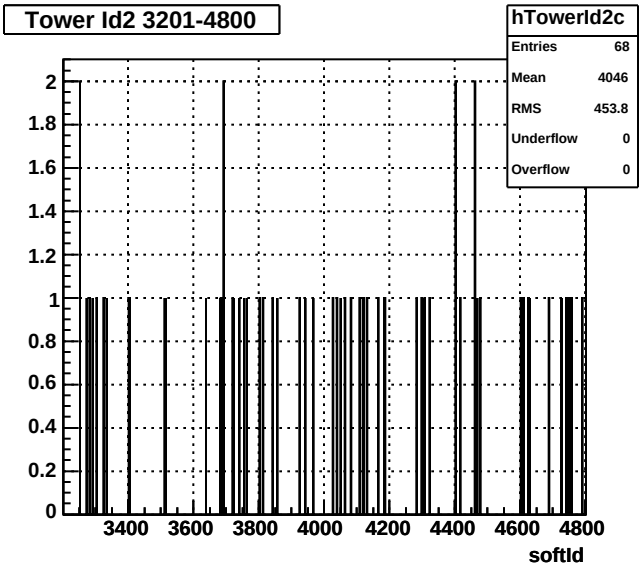

Tower Id1 1-1600
hTowerId1a
Entries 89
Mean 886.4
RMS 430.4
Underflow 0
Overflow 0
softId

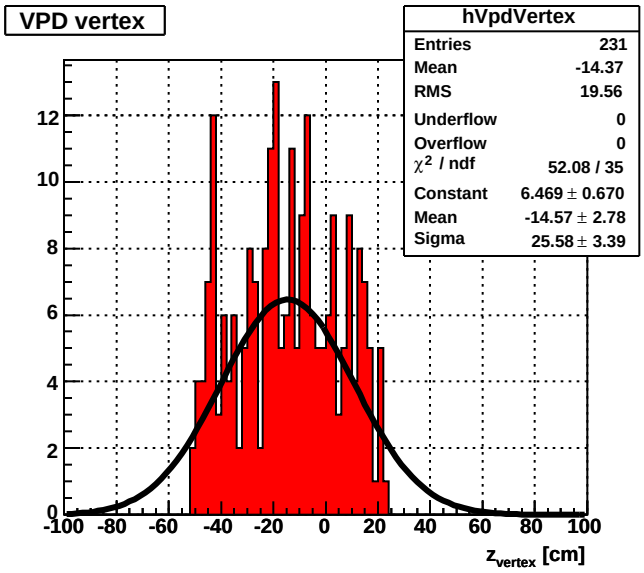

Tower Id2 1-1600
hTowerId2a
Entries 83
Mean 789.8
RMS 433.2
Underflow 0
Overflow 0
softId

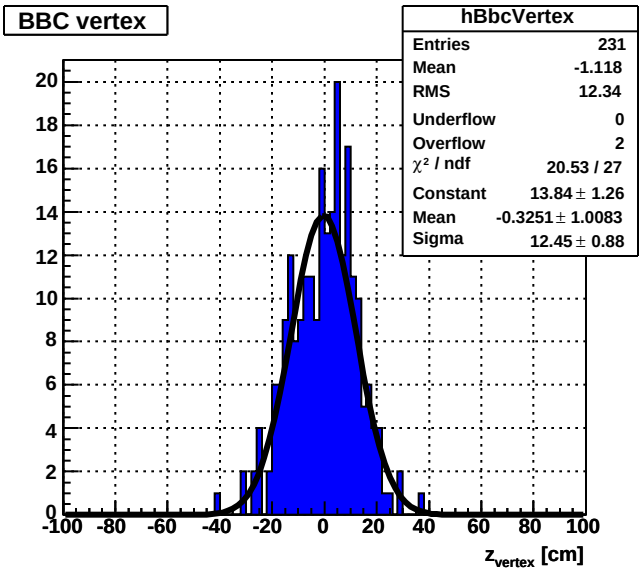

Tower Id1 1601-3200
hTowerId1b
Entries 76
Mean 2241
RMS 460.6
Underflow 0
Overflow 0
softId

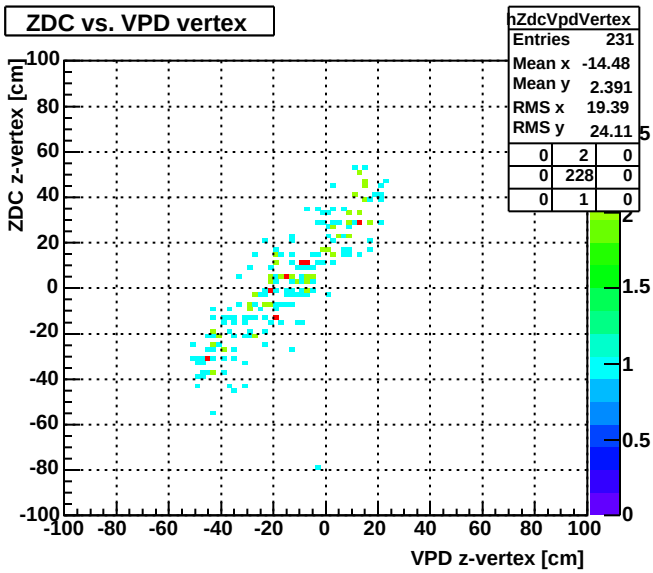

Tower Id2 1601-3200
hTowerId2b
Entries 80
Mean 2379
RMS 469.6
Underflow 0
Overflow 0
softId

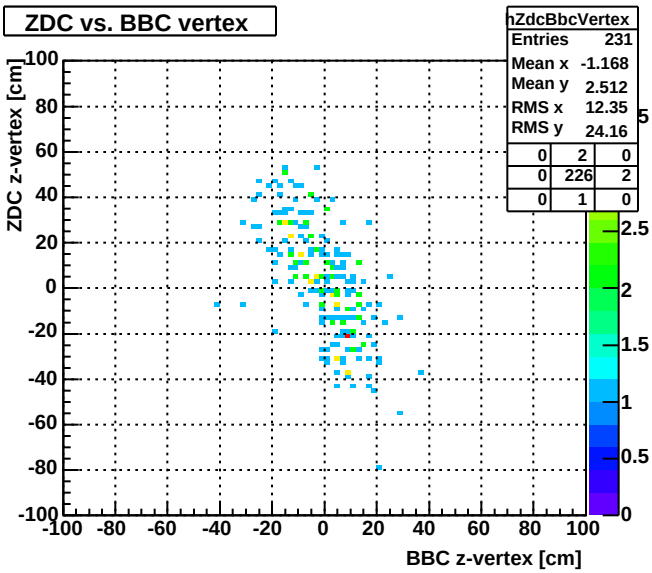

Tower Id1 3201-4800
hTowerId1c
Entries 66
Mean 4123
RMS 463.2
Underflow 0
Overflow 0
softId

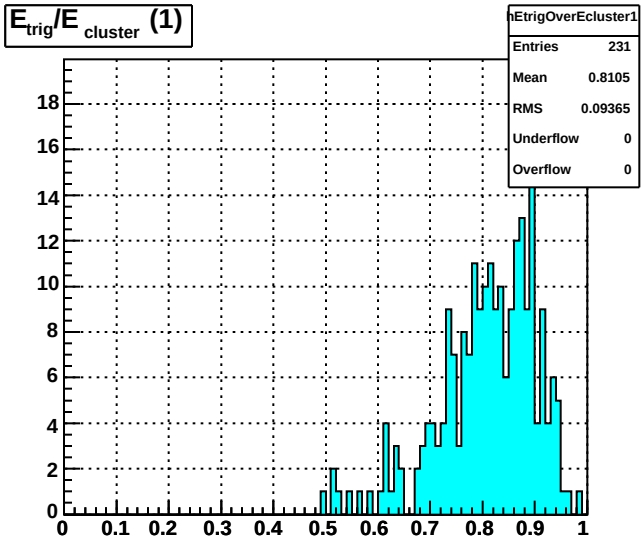

Tower Id2 3201-4800
hTowerId2c
Entries 68
Mean 4046
RMS 453.8
Underflow 0
Overflow 0
softId

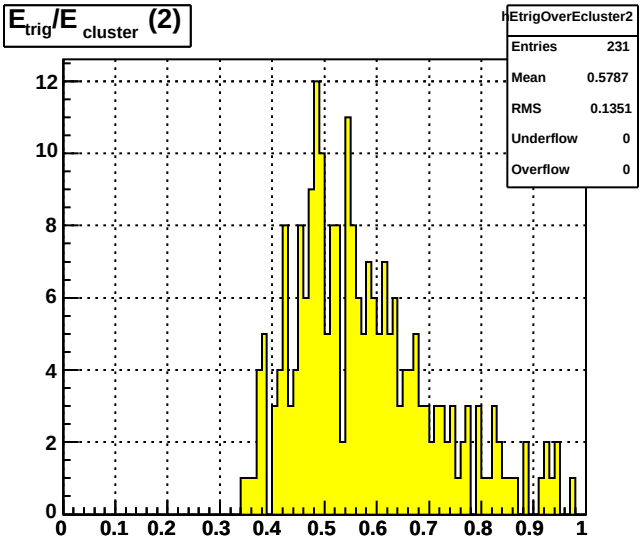

VPD vertex
hVpdVertex
Entries 231
Mean -14.37
RMS 19.56
Underflow 0
Overflow 0
χ² / ndf 52.08 / 35
Constant 6.469 ± 0.670
Mean -14.57 ± 2.78
Sigma 25.58 ± 3.39
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 231
Mean -1.118
RMS 12.34
Underflow 0
Overflow 2
χ² / ndf 20.53 / 27
Constant 13.84 ± 1.26
Mean -0.3251 ± 1.0083
Sigma 12.45 ± 0.88
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 231
Mean x -14.48
Mean y 2.391
RMS x 19.39
RMS y 24.11
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 231
Mean x -1.168
Mean y 2.512
RMS x 12.35
RMS y 24.16
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 231
Mean 0.8105
RMS 0.09365
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 231
Mean 0.5787
RMS 0.1351
Underflow 0
Overflow 0