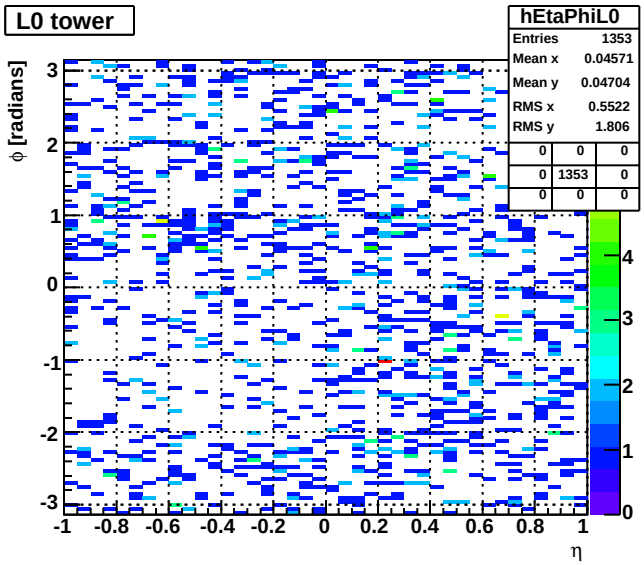
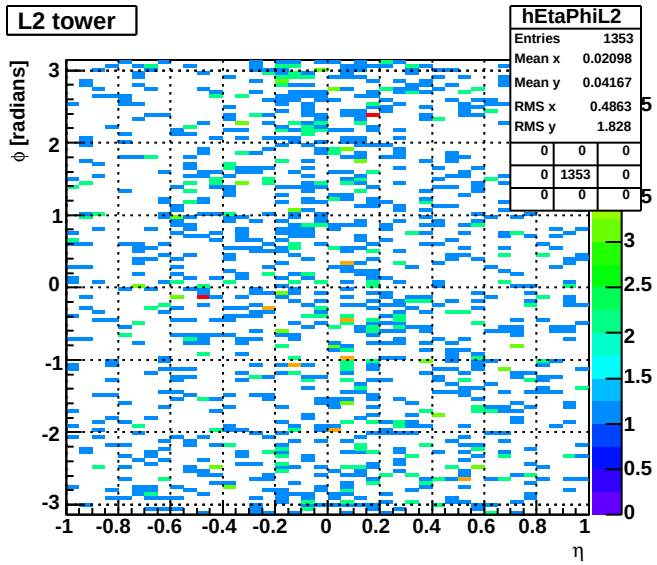
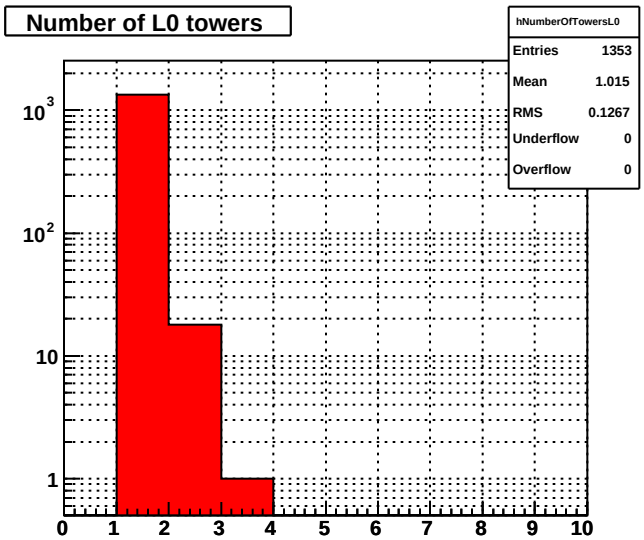
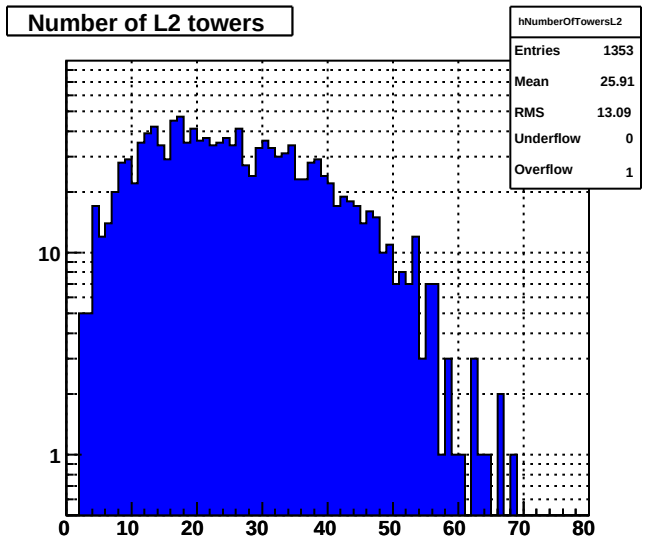
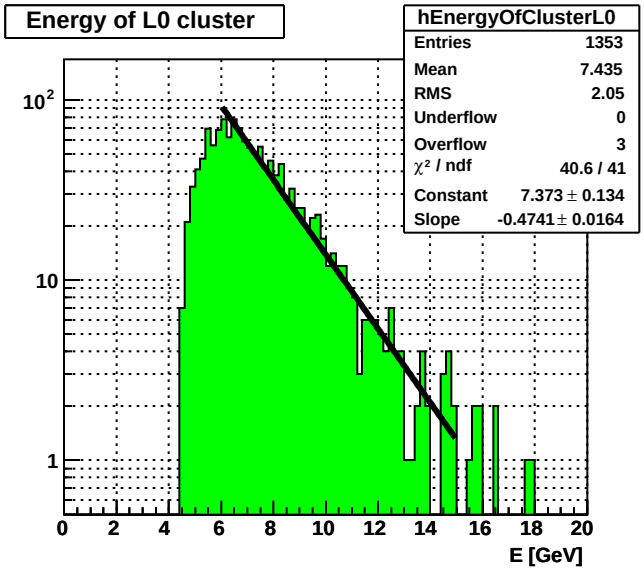
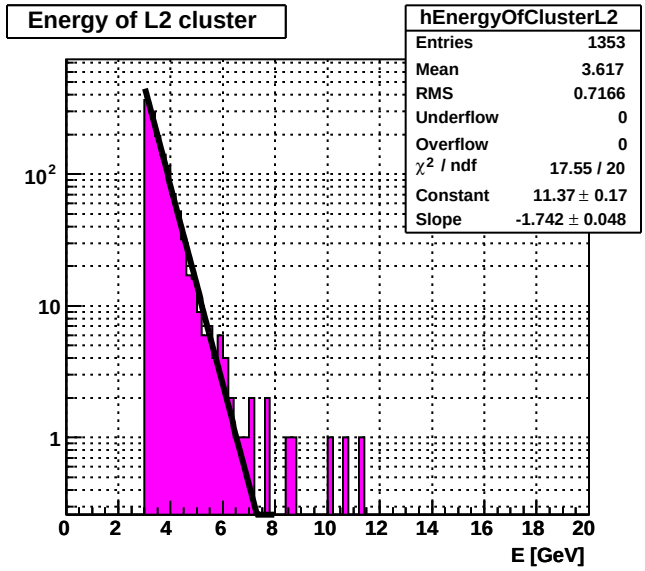

L0 tower
hEtaPhiL0
Entries 1353
Mean x 0.04571
Mean y 0.04704
RMS x 0.5522
RMS y 1.806
φ [radians]
η

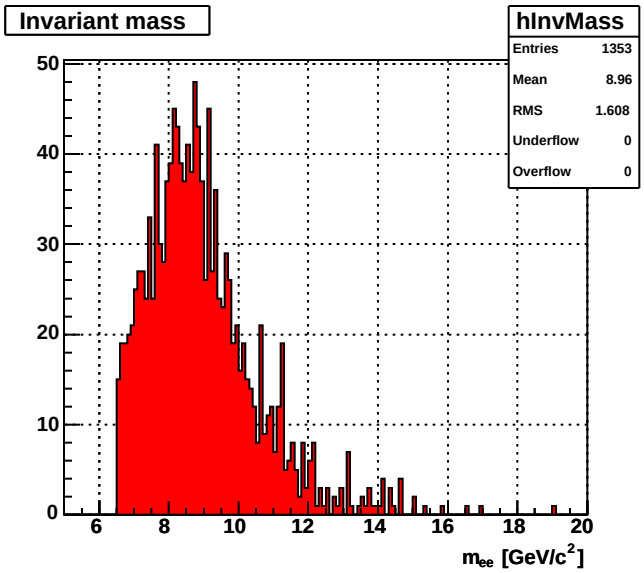

L2 tower
hEtaPhiL2
Entries 1353
Mean x 0.02098
Mean y 0.04167
RMS x 0.4863
RMS y 1.828
φ [radians]
η

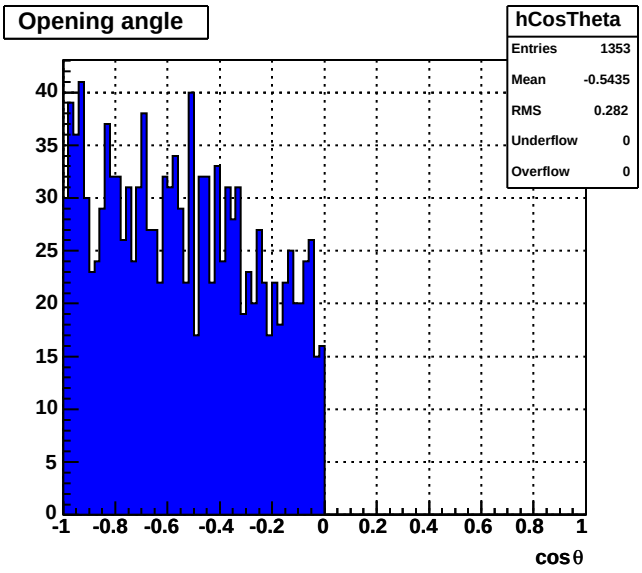

Number of L0 towers
hNumberOfTowersL0
Entries 1353
Mean 1.015
RMS 0.1267
Underflow 0
Overflow 0

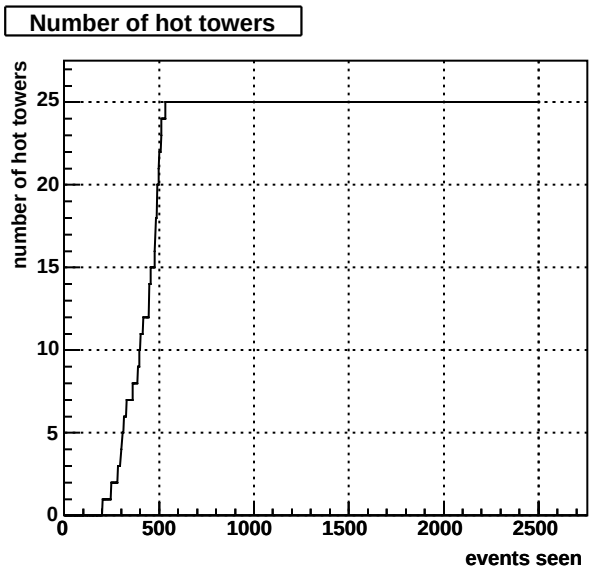

Number of L2 towers
hNumberOfTowersL2
Entries 1353
Mean 25.91
RMS 13.09
Underflow 0
Overflow 1

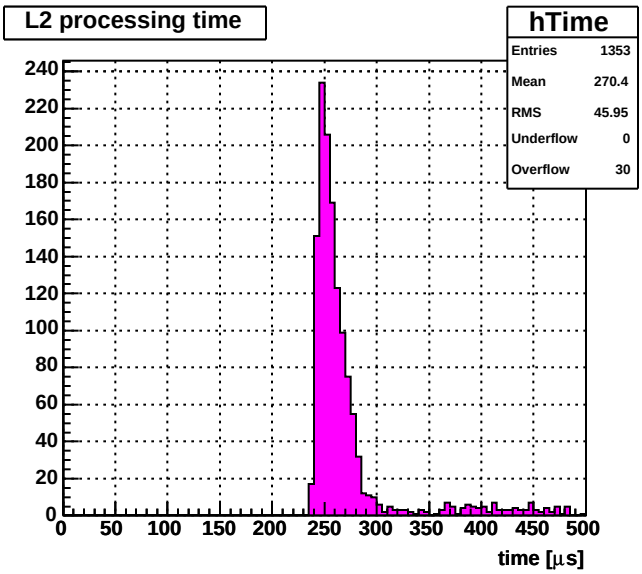

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1353
Mean 7.435
RMS 2.05
Underflow 0
Overflow 3
χ² / ndf 40.6 / 41
Constant 7.373 ± 0.134
Slope -0.4741 ± 0.0164
E [GeV]

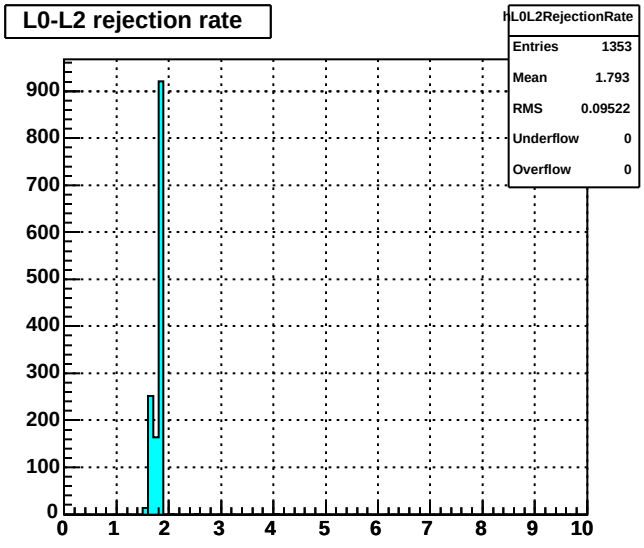

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1353
Mean 3.617
RMS 0.7166
Underflow 0
Overflow 0
χ² / ndf 17.55 / 20
Constant 11.37 ± 0.17
Slope -1.742 ± 0.048
E [GeV]

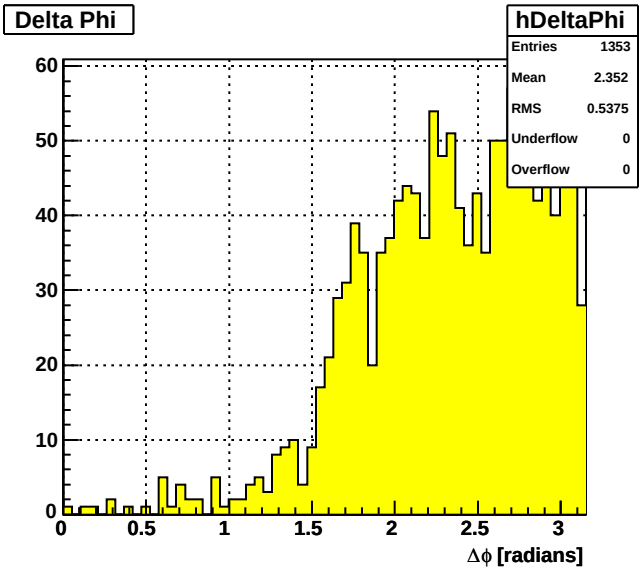

Invariant mass
hInvMass
Entries 1353
Mean 8.96
RMS 1.608
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

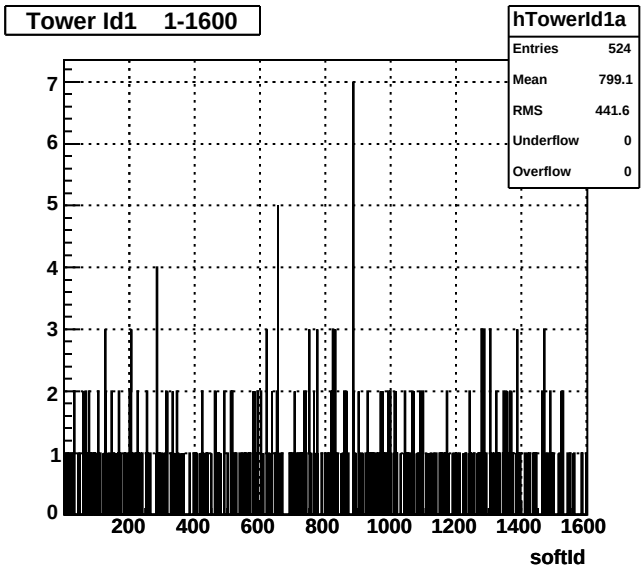

Opening angle
hCosTheta
Entries 1353
Mean -0.5435
RMS 0.282
Underflow 0
Overflow 0
cos θ

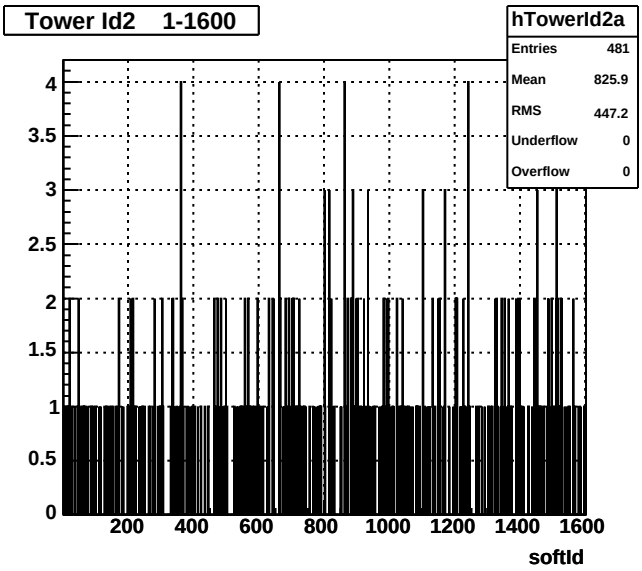

Number of hot towers
number of hot towers
events seen

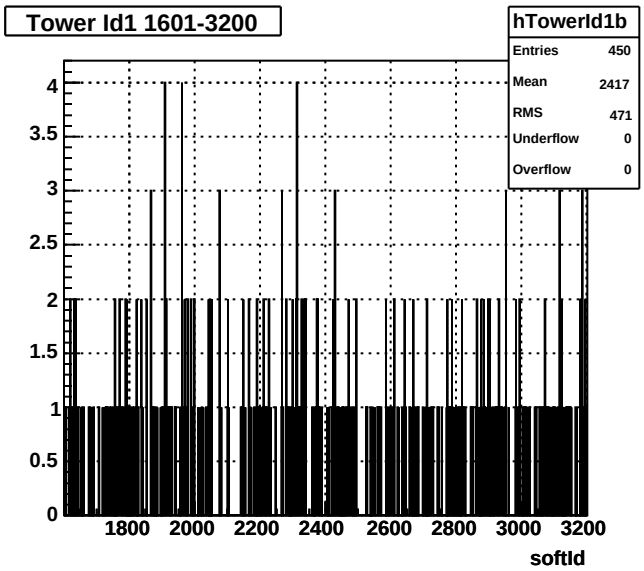

L2 processing time
hTime
Entries 1353
Mean 270.4
RMS 45.95
Underflow 0
Overflow 30
time [μs]

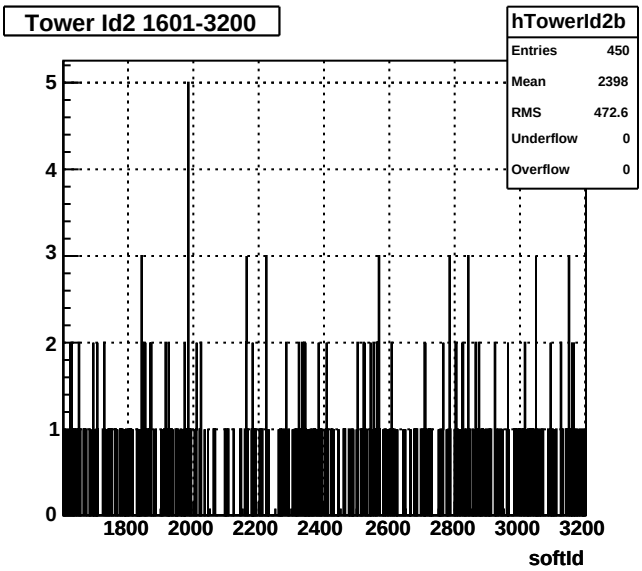

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1353
Mean 1.793
RMS 0.09522
Underflow 0
Overflow 0

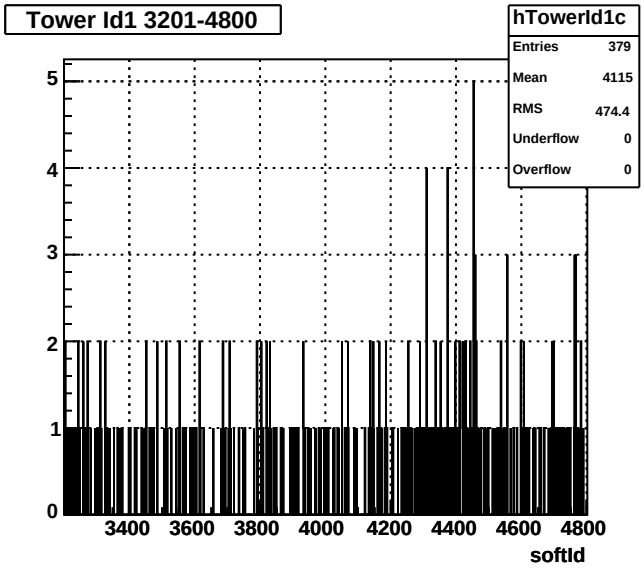

Delta Phi
hDeltaPhi
Entries 1353
Mean 2.352
RMS 0.5375
Underflow 0
Overflow 0
Δφ [radians]

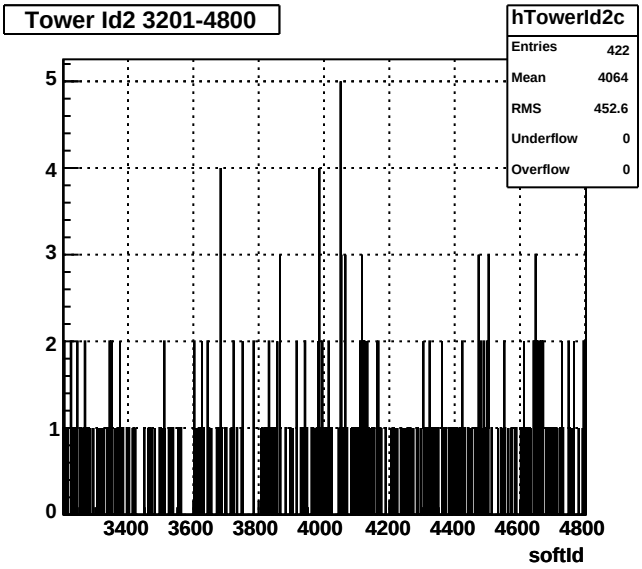

Tower Id1 1-1600
hTowerId1a
Entries 524
Mean 799.1
RMS 441.6
Underflow 0
Overflow 0
softId

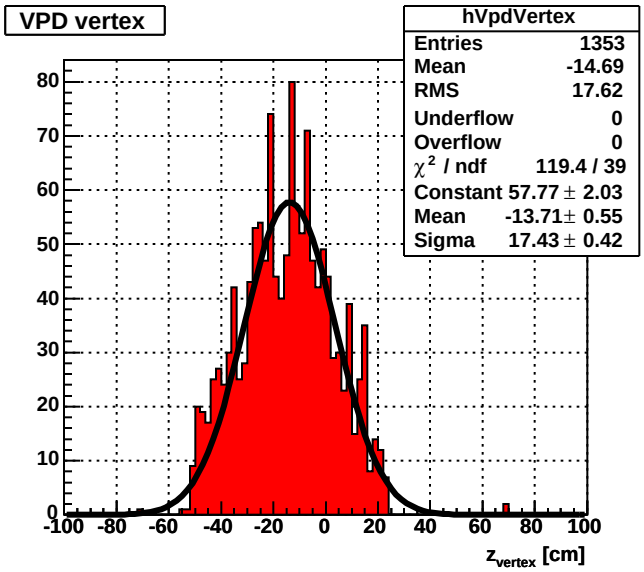

Tower Id2 1-1600
hTowerId2a
Entries 481
Mean 825.9
RMS 447.2
Underflow 0
Overflow 0
softId

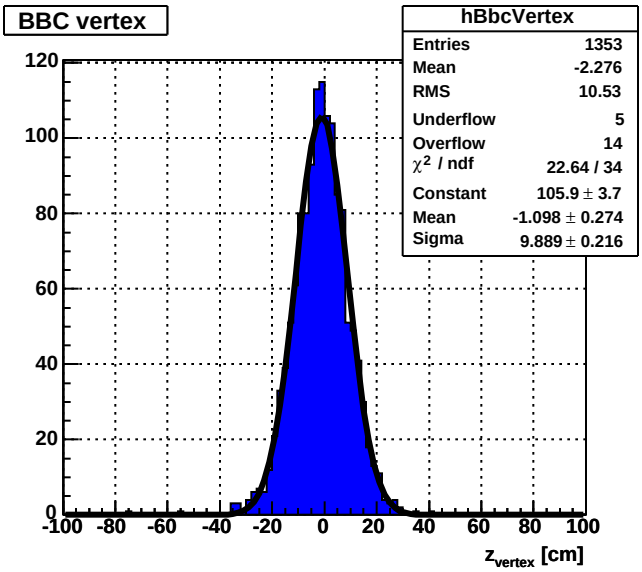

Tower Id1 1601-3200
hTowerId1b
Entries 450
Mean 2417
RMS 471
Underflow 0
Overflow 0
softId

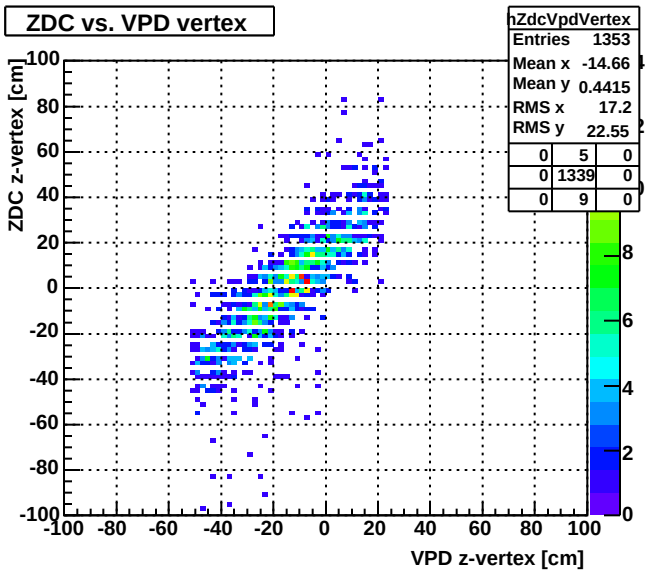

Tower Id2 1601-3200
hTowerId2b
Entries 450
Mean 2398
RMS 472.6
Underflow 0
Overflow 0
softId

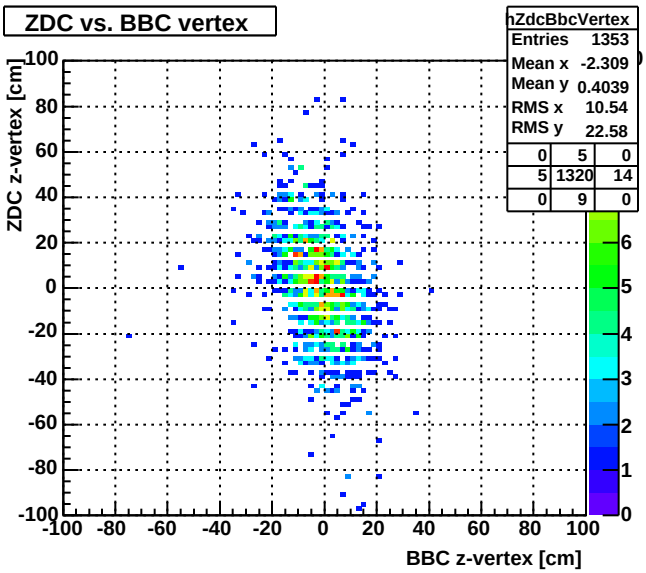

Tower Id1 3201-4800
hTowerId1c
Entries 379
Mean 4115
RMS 474.4
Underflow 0
Overflow 0
softId

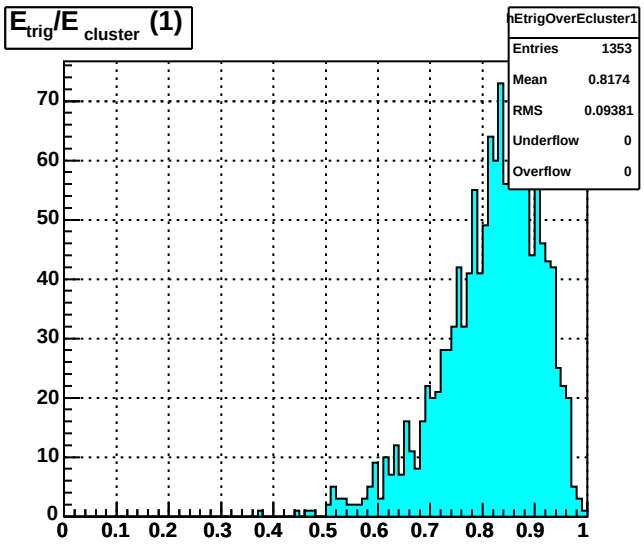

Tower Id2 3201-4800
hTowerId2c
Entries 422
Mean 4064
RMS 452.6
Underflow 0
Overflow 0
softId

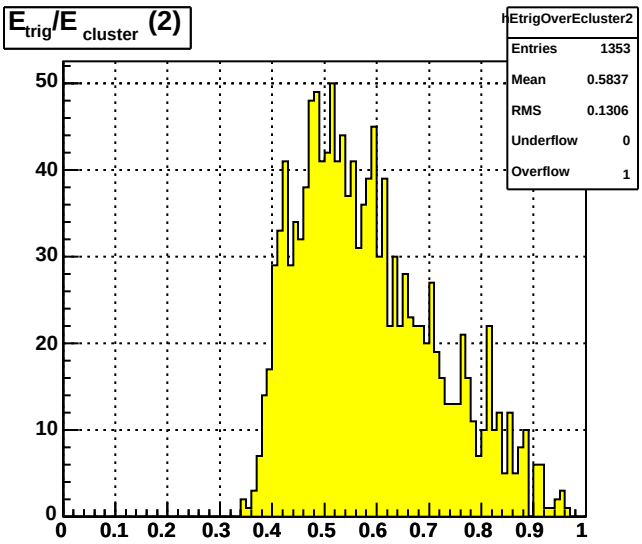

VPD vertex
hVpdVertex
Entries 1353
Mean -14.69
RMS 17.62
Underflow 0
Overflow 0
χ² / ndf 119.4 / 39
Constant 57.77 ± 2.03
Mean -13.71 ± 0.55
Sigma 17.43 ± 0.42
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1353
Mean -2.276
RMS 10.53
Underflow 5
Overflow 14
χ² / ndf 22.64 / 34
Constant 105.9 ± 3.7
Mean -1.098 ± 0.274
Sigma 9.889 ± 0.216
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1353
Mean x -14.66
Mean y 0.4415
RMS x 17.2
RMS y 22.55
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1353
Mean x -2.309
Mean y 0.4039
RMS x 10.54
RMS y 22.58
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1353
Mean 0.8174
RMS 0.09381
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1353
Mean 0.5837
RMS 0.1306
Underflow 0
Overflow 1