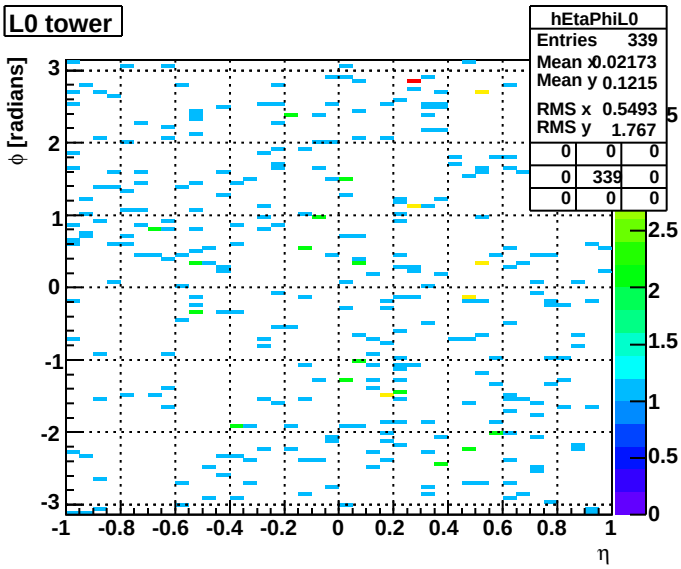
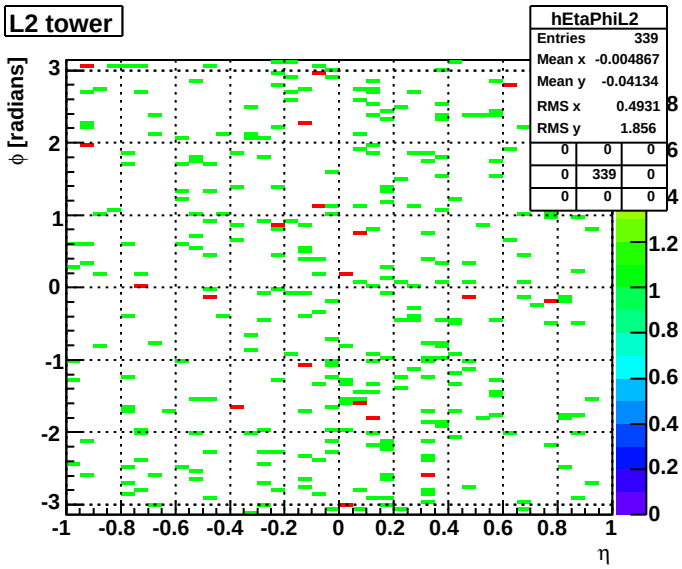
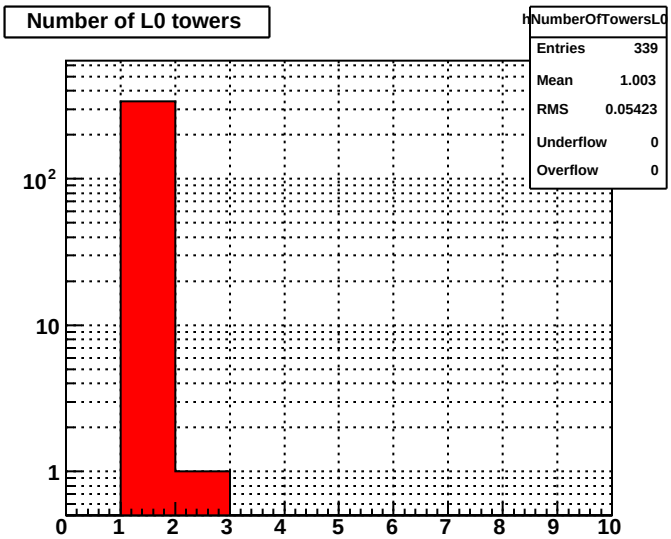
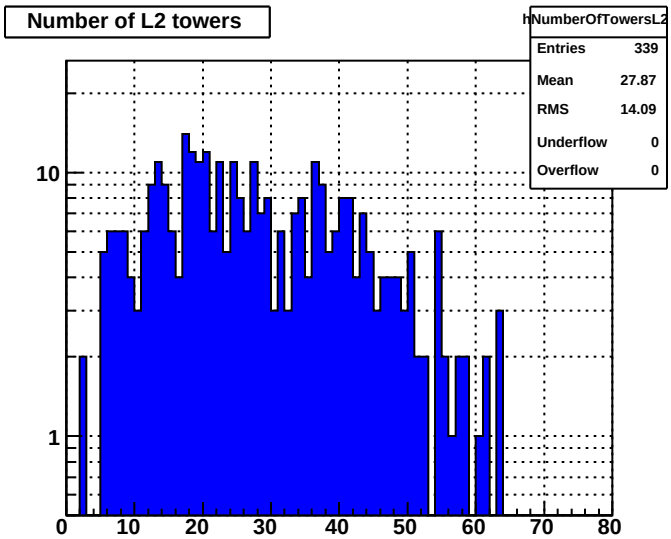
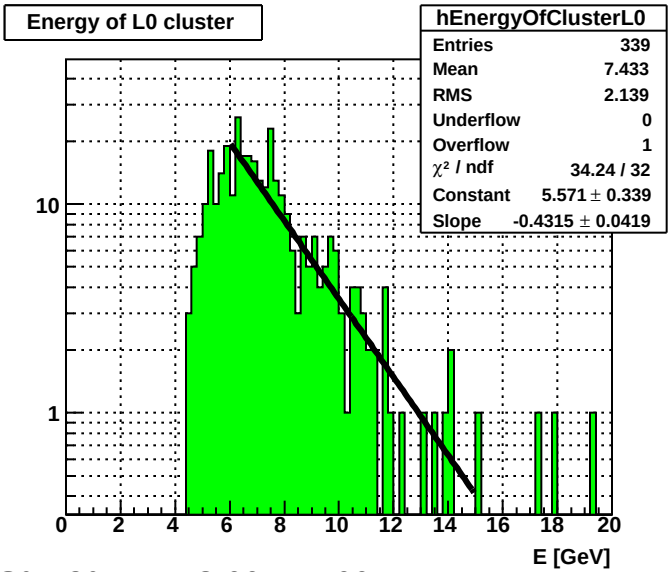
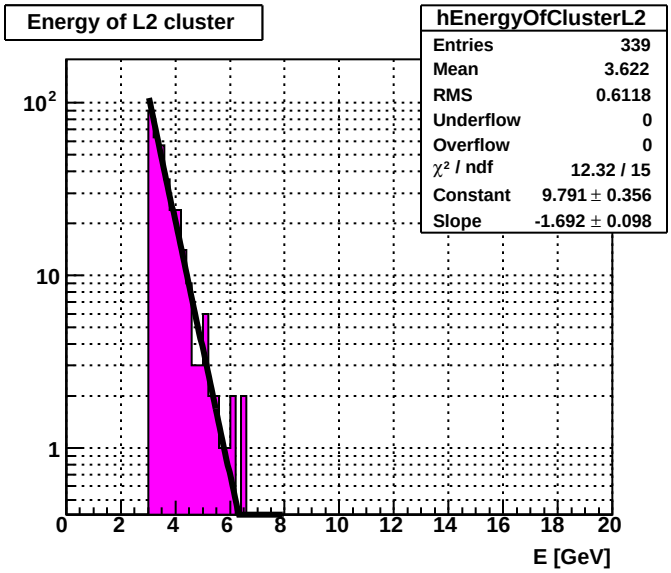

L0 tower
hEtaPhiL0
Entries 339
Mean x 0.02173
Mean y 0.1215
RMS x 0.5493
RMS y 1.767
φ [radians]
η

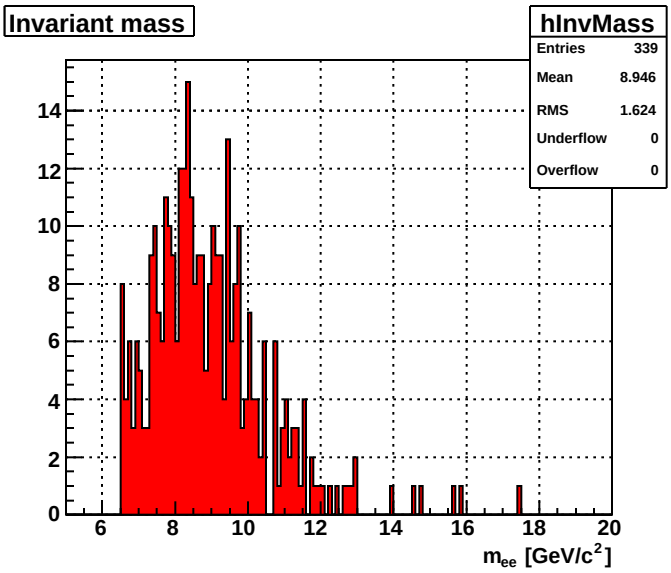

L2 tower
hEtaPhiL2
Entries 339
Mean x -0.004867
Mean y -0.04134
RMS x 0.4931
RMS y 1.856
φ [radians]
η

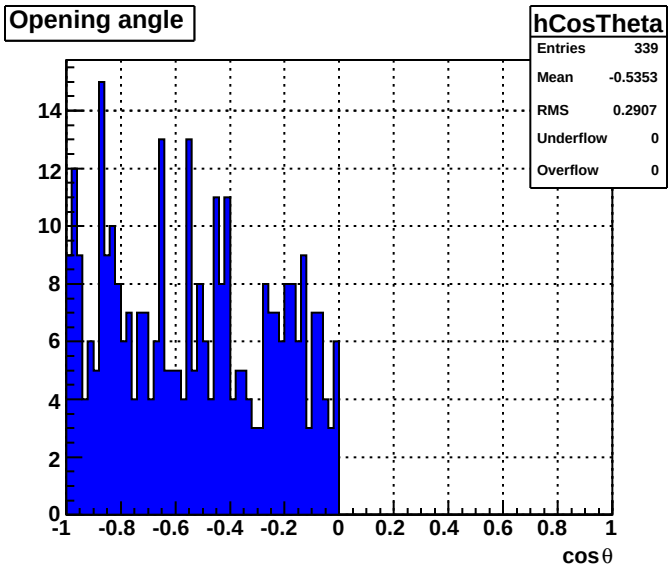

Number of L0 towers
hNumberOfTowersL0
Entries 339
Mean 1.003
RMS 0.05423
Underflow 0
Overflow 0

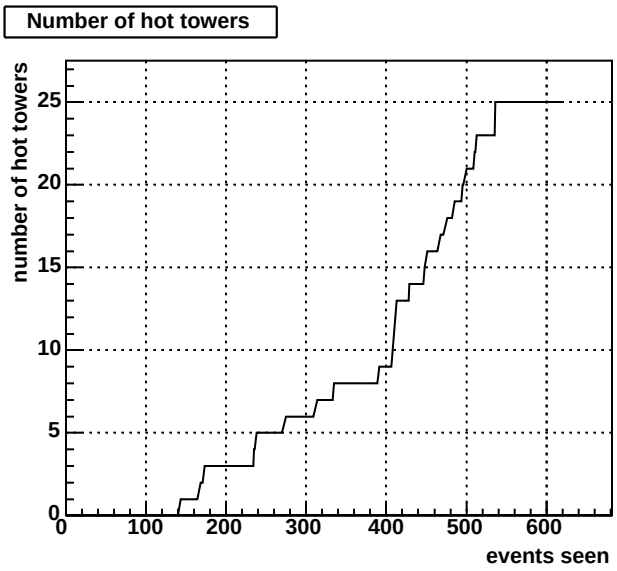

Number of L2 towers
hNumberOfTowersL2
Entries 339
Mean 27.87
RMS 14.09
Underflow 0
Overflow 0

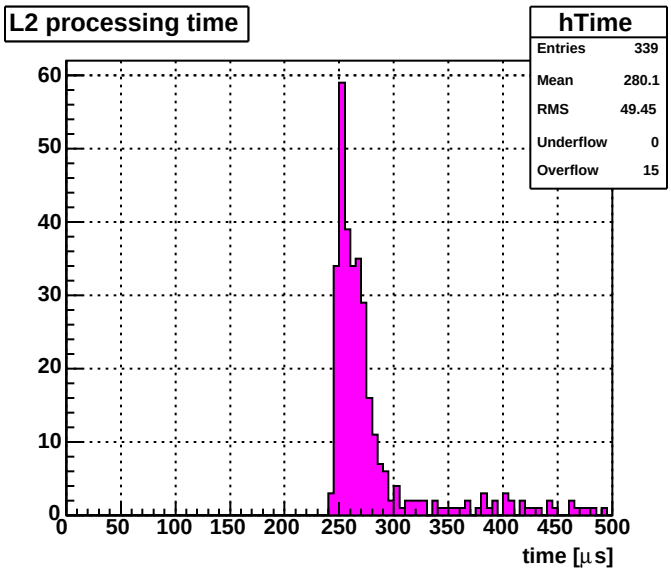

Energy of L0 cluster
hEnergyOfClusterL0
Entries 339
Mean 7.433
RMS 2.139
Underflow 0
Overflow 1
χ² / ndf 34.24 / 32
Constant 5.571 ± 0.339
Slope -0.4315 ± 0.0419
E [GeV]

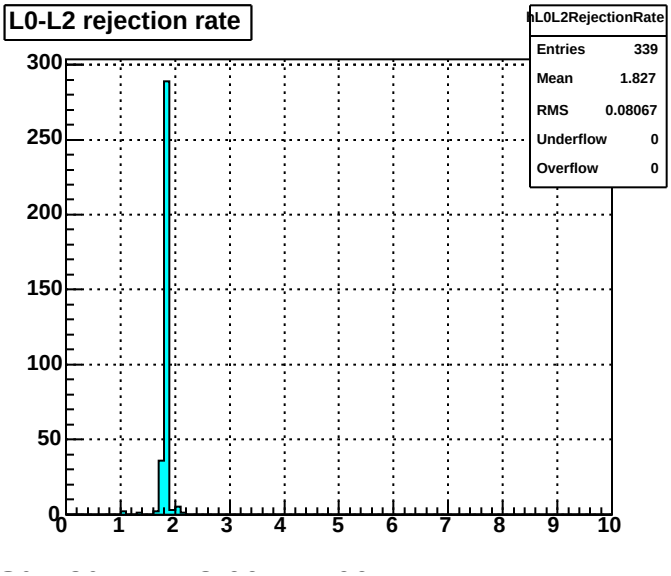

Energy of L2 cluster
hEnergyOfClusterL2
Entries 339
Mean 3.622
RMS 0.6118
Underflow 0
Overflow 0
χ² / ndf 12.32 / 15
Constant 9.791 ± 0.356
Slope -1.692 ± 0.098
E [GeV]

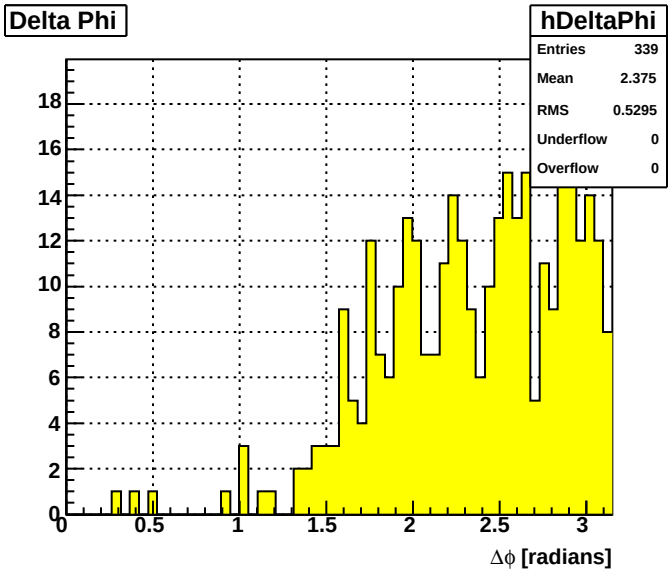

Invariant mass
hInvMass
Entries 339
Mean 8.946
RMS 1.624
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

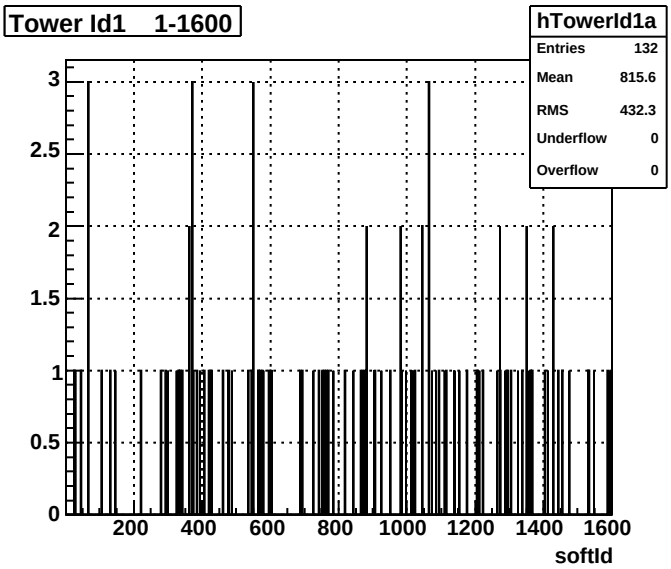

Opening angle
hCosTheta
Entries 339
Mean -0.5353
RMS 0.2907
Underflow 0
Overflow 0
cos θ

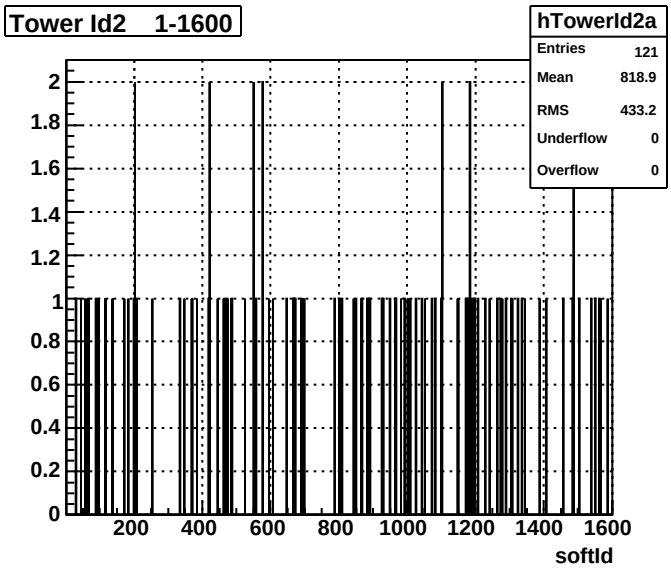

Number of hot towers
number of hot towers
events seen

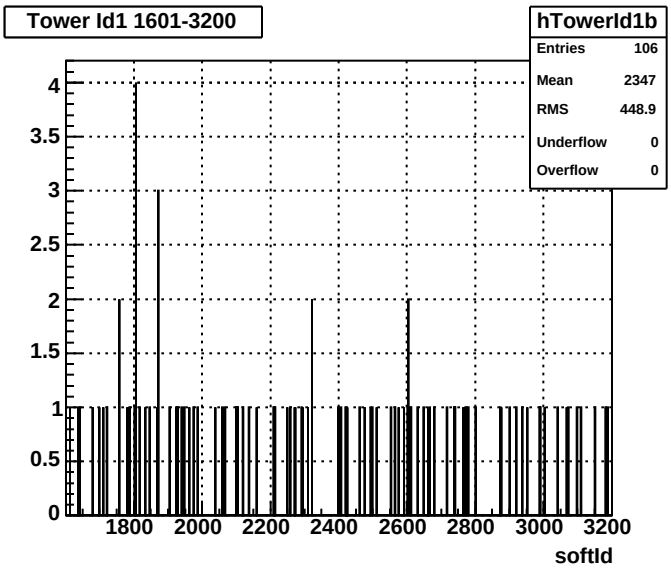

L2 processing time
hTime
Entries 339
Mean 280.1
RMS 49.45
Underflow 0
Overflow 15
time [μs]

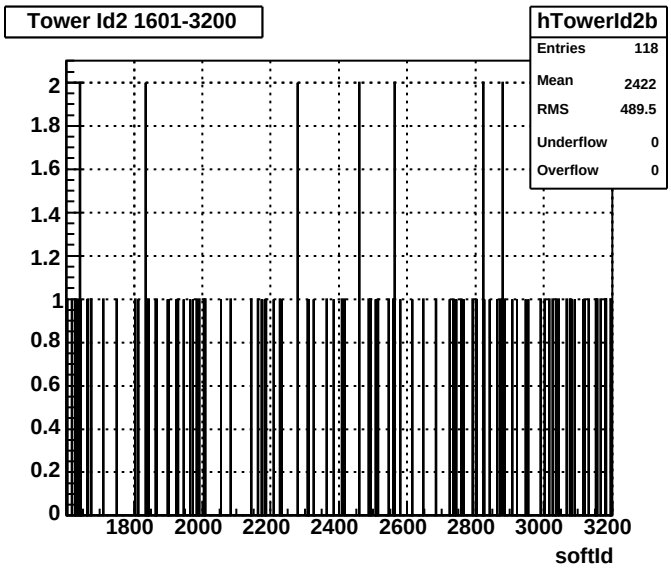

L0-L2 rejection rate
hL0L2RejectionRate
Entries 339
Mean 1.827
RMS 0.08067
Underflow 0
Overflow 0

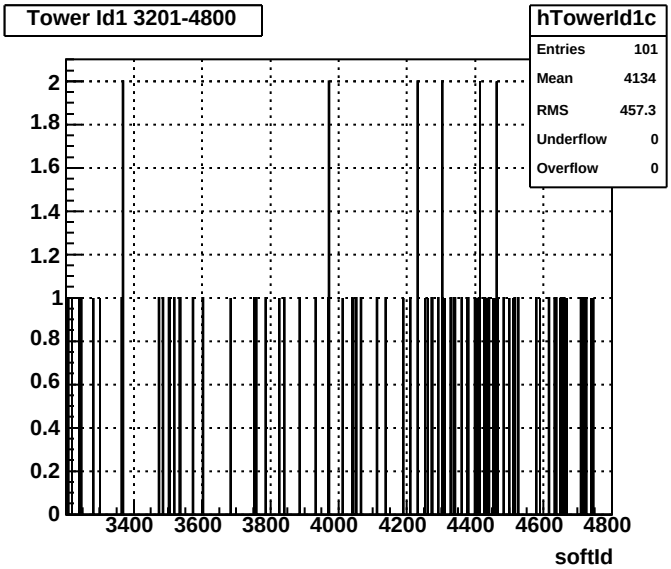

Delta Phi
hDeltaPhi
Entries 339
Mean 2.375
RMS 0.5295
Underflow 0
Overflow 0
Δφ [radians]

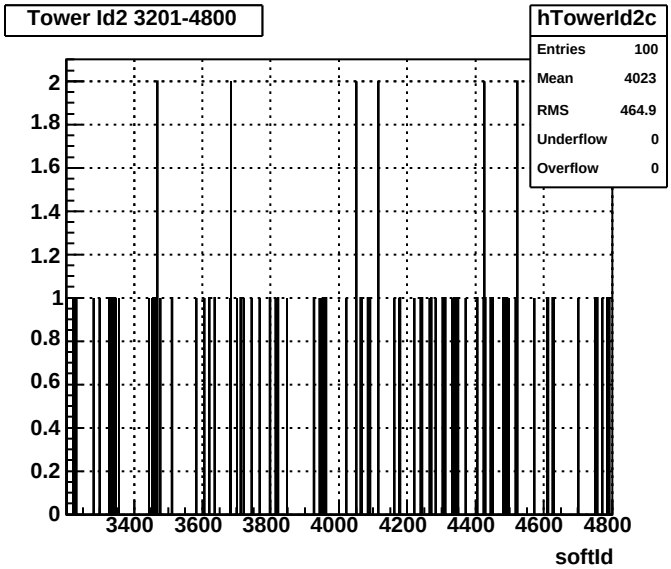

Tower Id1 1-1600
hTowerId1a
Entries 132
Mean 815.6
RMS 432.3
Underflow 0
Overflow 0
softId

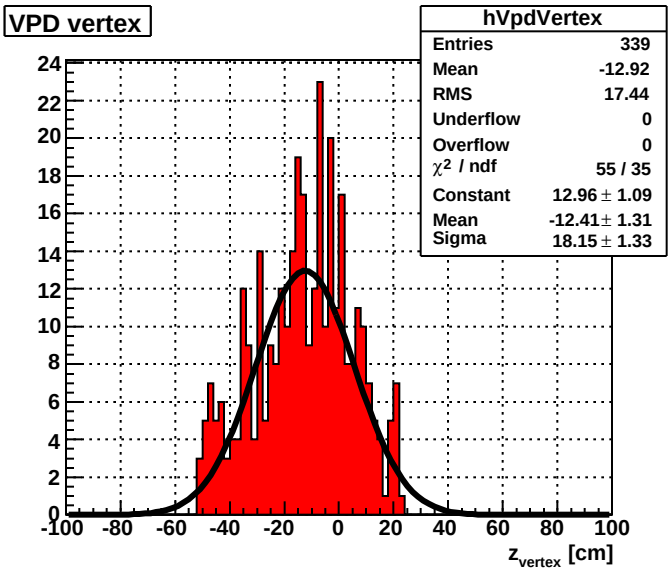

Tower Id2 1-1600
hTowerId2a
Entries 121
Mean 818.9
RMS 433.2
Underflow 0
Overflow 0
softId

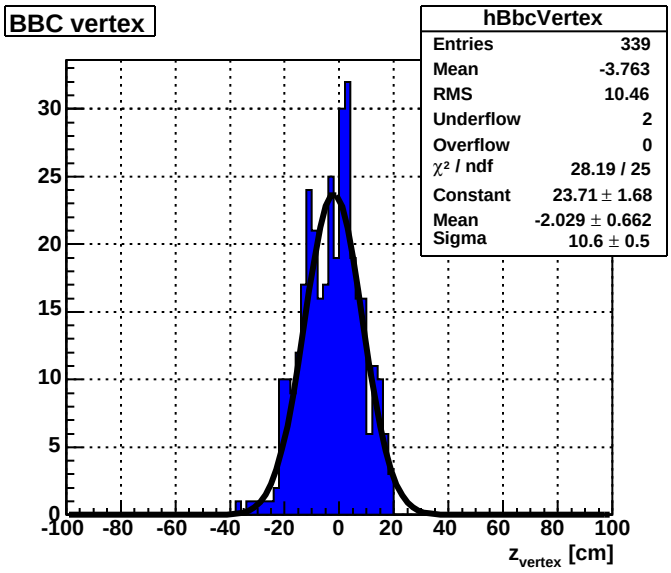

Tower Id1 1601-3200
hTowerId1b
Entries 106
Mean 2347
RMS 448.9
Underflow 0
Overflow 0
softId

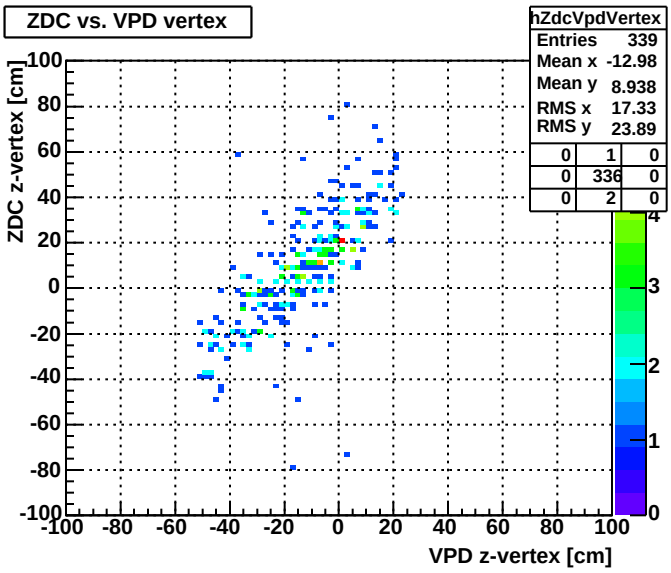

Tower Id2 1601-3200
hTowerId2b
Entries 118
Mean 2422
RMS 489.5
Underflow 0
Overflow 0
softId

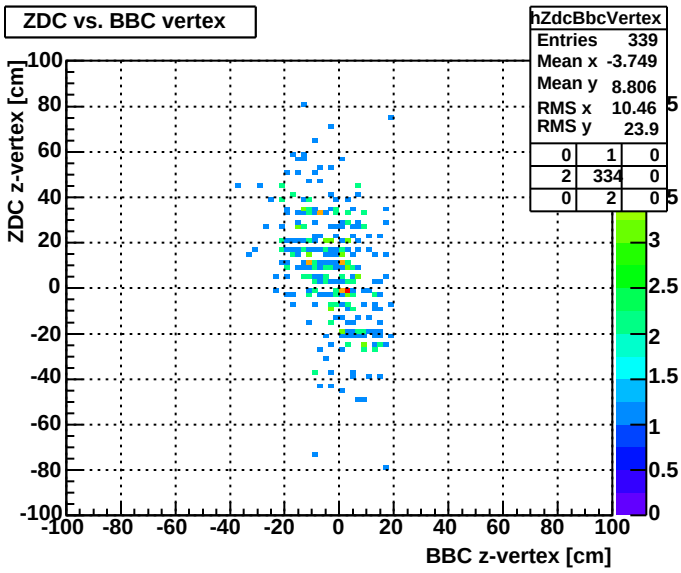

Tower Id1 3201-4800
hTowerId1c
Entries 101
Mean 4134
RMS 457.3
Underflow 0
Overflow 0
softId

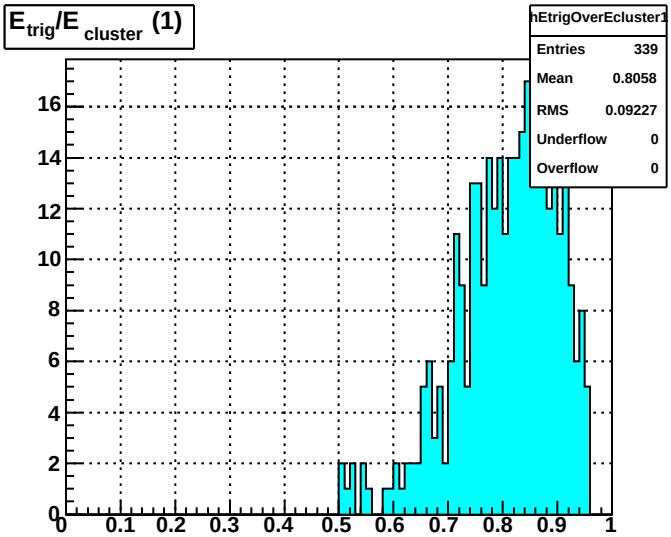

Tower Id2 3201-4800
hTowerId2c
Entries 100
Mean 4023
RMS 464.9
Underflow 0
Overflow 0
softId

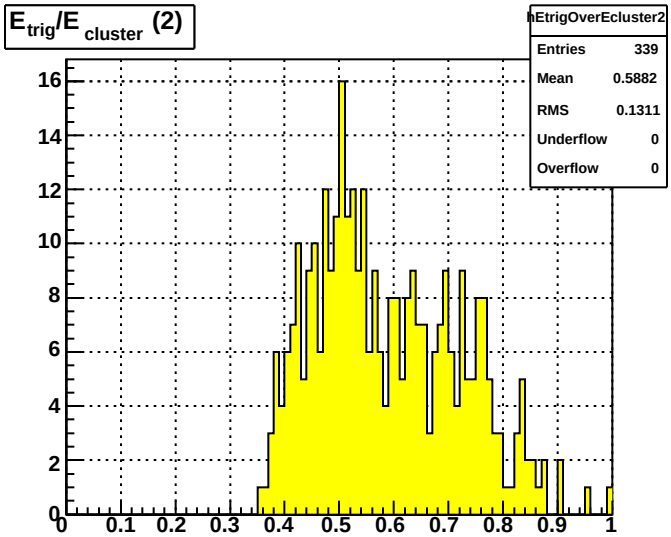

VPD vertex
hVpdVertex
Entries 339
Mean -12.92
RMS 17.44
Underflow 0
Overflow 0
χ² / ndf 55 / 35
Constant 12.96 ± 1.09
Mean -12.41 ± 1.31
Sigma 18.15 ± 1.33
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 339
Mean -3.763
RMS 10.46
Underflow 2
Overflow 0
χ² / ndf 28.19 / 25
Constant 23.71 ± 1.68
Mean -2.029 ± 0.662
Sigma 10.6 ± 0.5
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 339
Mean x -12.98
Mean y 8.938
RMS x 17.33
RMS y 23.89
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 339
Mean x -3.749
Mean y 8.806
RMS x 10.46
RMS y 23.9
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 339
Mean 0.8058
RMS 0.09227
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 339
Mean 0.5882
RMS 0.1311
Underflow 0
Overflow 0