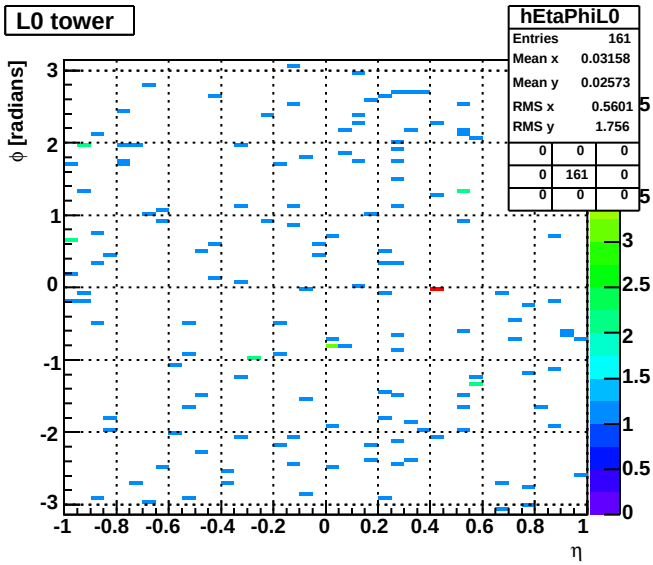
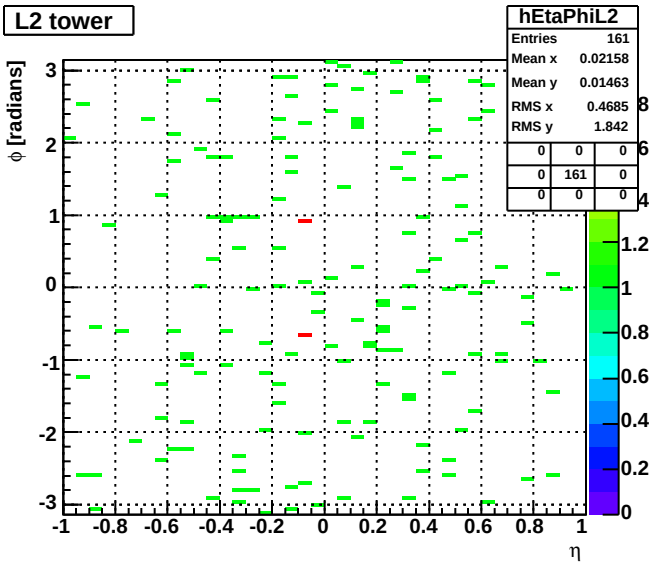
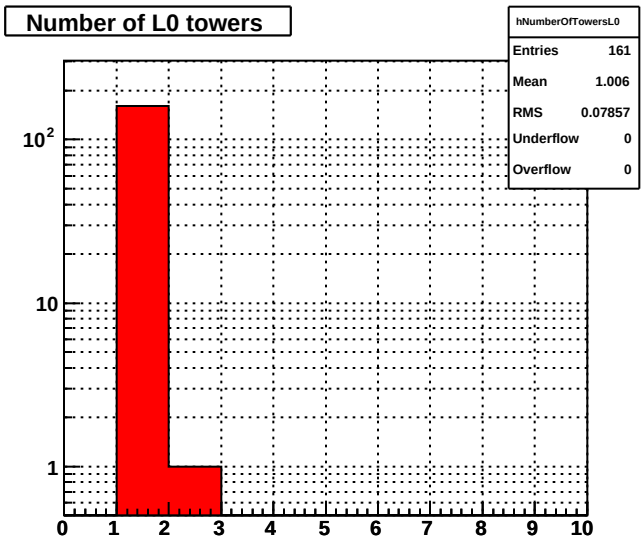
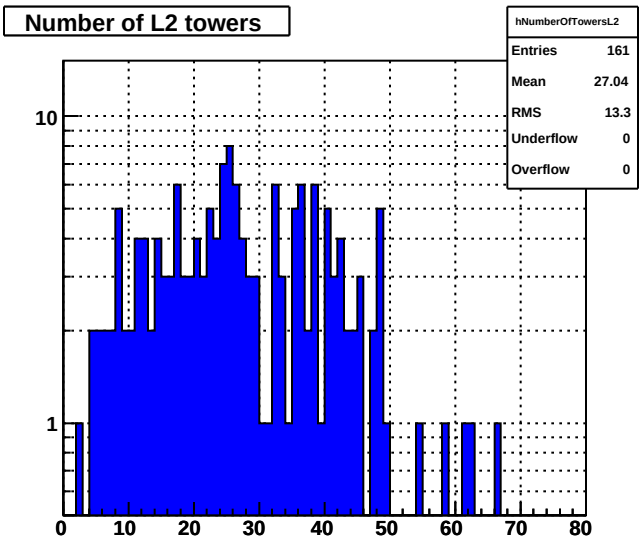
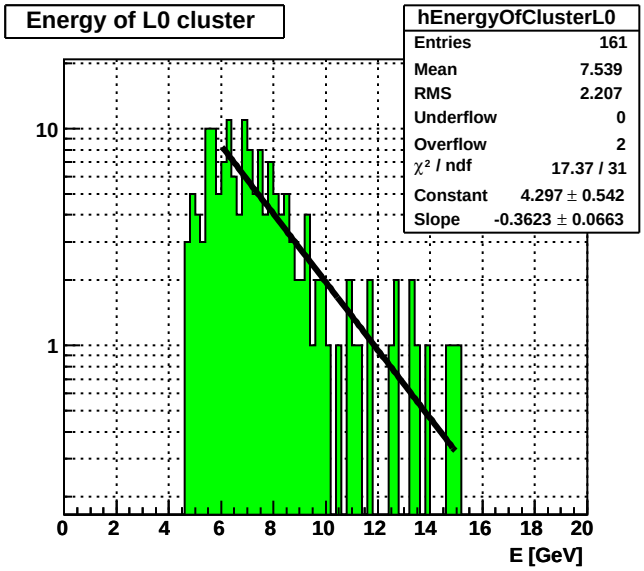
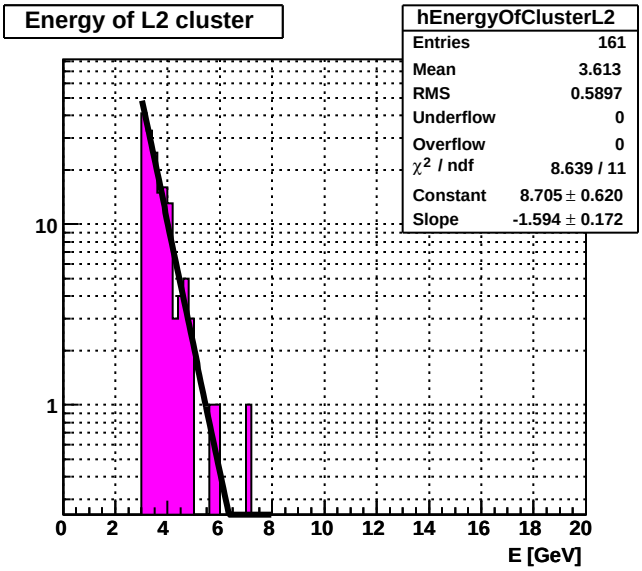

L0 tower
hEtaPhiL0
Entries 161
Mean x 0.03158
Mean y 0.02573
RMS x 0.5601
RMS y 1.756
φ [radians]
η

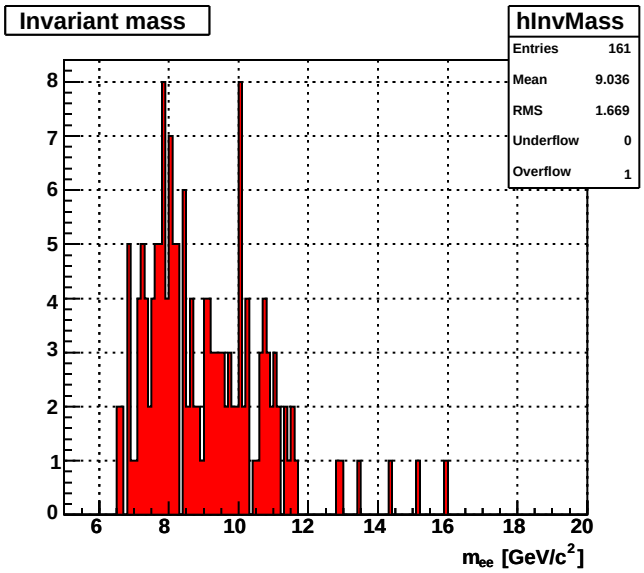

L2 tower
hEtaPhiL2
Entries 161
Mean x 0.02158
Mean y 0.01463
RMS x 0.4685
RMS y 1.842
φ [radians]
η

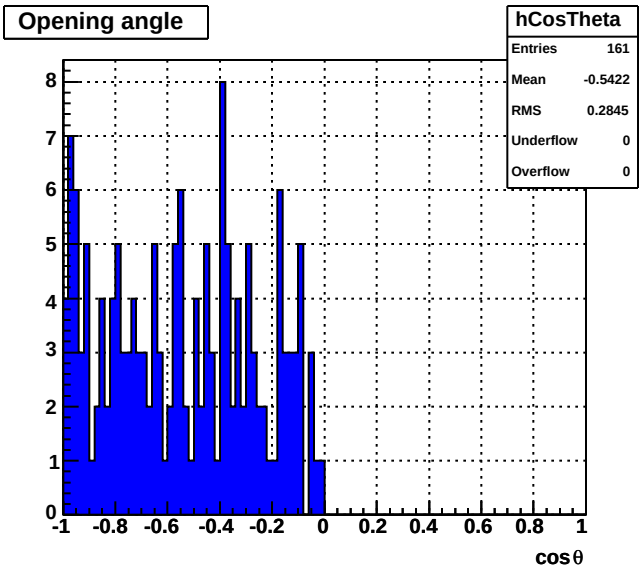

Number of L0 towers
hNumberOfTowersL0
Entries 161
Mean 1.006
RMS 0.07857
Underflow 0
Overflow 0

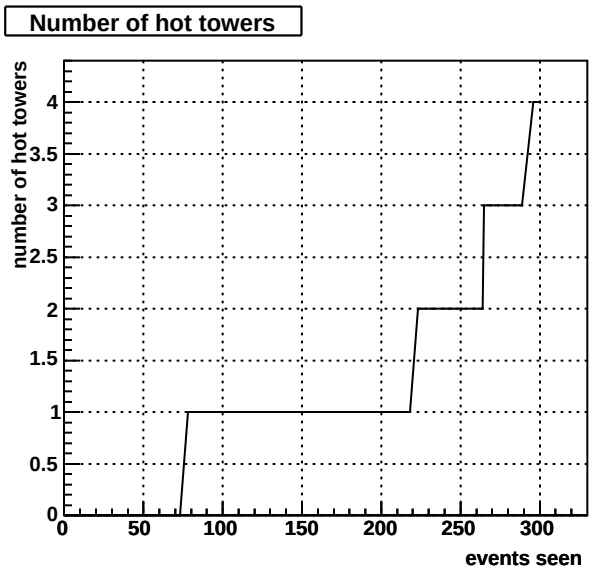

Number of L2 towers
hNumberOfTowersL2
Entries 161
Mean 27.04
RMS 13.3
Underflow 0
Overflow 0

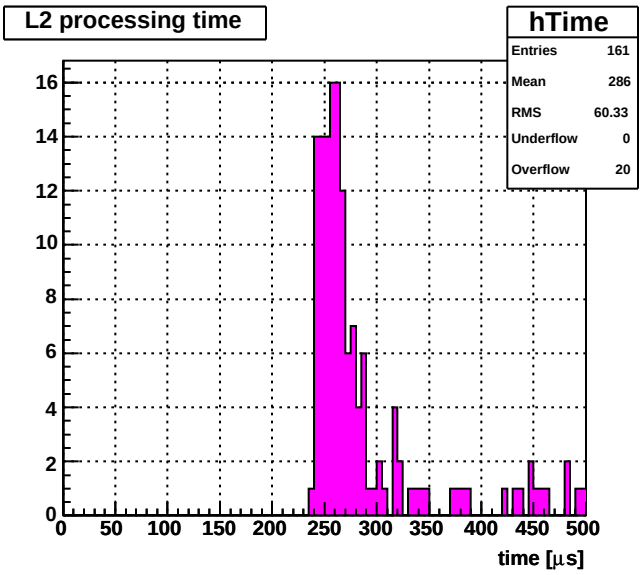

Energy of L0 cluster
hEnergyOfClusterL0
Entries 161
Mean 7.539
RMS 2.207
Underflow 0
Overflow 2
χ² / ndf 17.37 / 31
Constant 4.297 ± 0.542
Slope -0.3623 ± 0.0663
E [GeV]

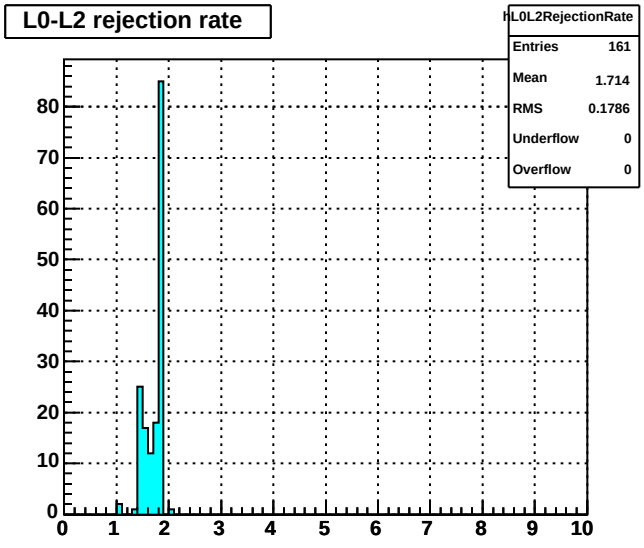

Energy of L2 cluster
hEnergyOfClusterL2
Entries 161
Mean 3.613
RMS 0.5897
Underflow 0
Overflow 0
χ² / ndf 8.639 / 11
Constant 8.705 ± 0.620
Slope -1.594 ± 0.172
E [GeV]

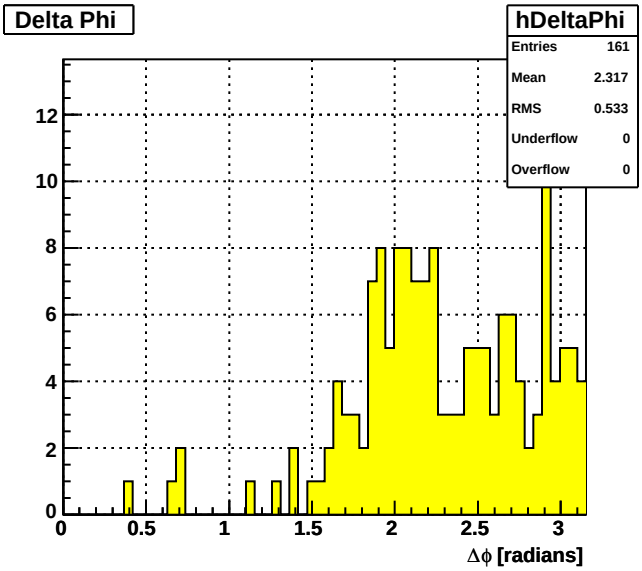

Invariant mass
hInvMass
Entries 161
Mean 9.036
RMS 1.669
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

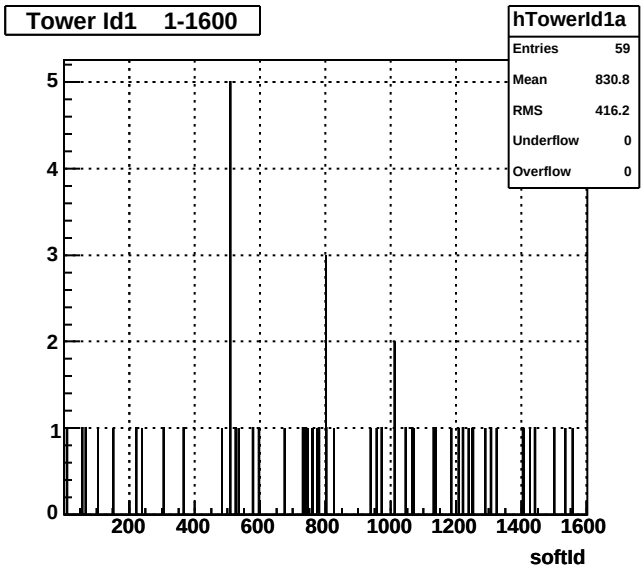

Opening angle
hCosTheta
Entries 161
Mean -0.5422
RMS 0.2845
Underflow 0
Overflow 0
cos θ

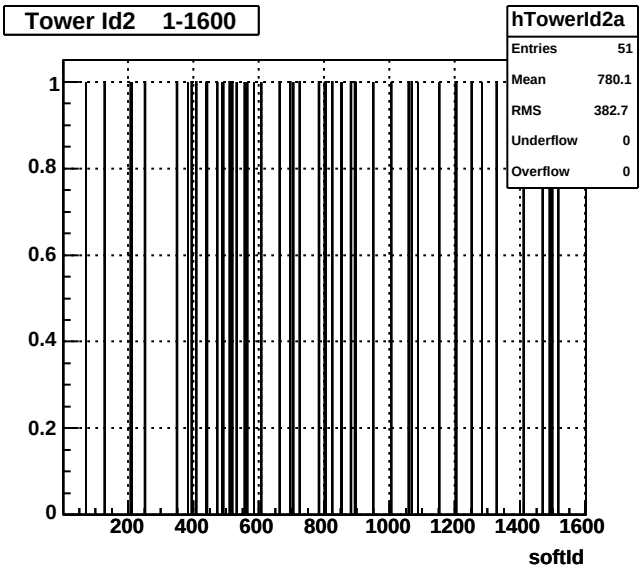

Number of hot towers
number of hot towers
events seen

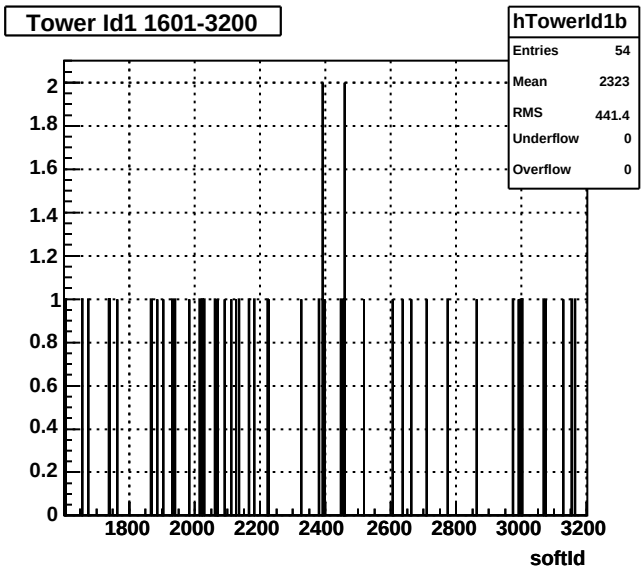

L2 processing time
hTime
Entries 161
Mean 286
RMS 60.33
Underflow 0
Overflow 20
time [μs]

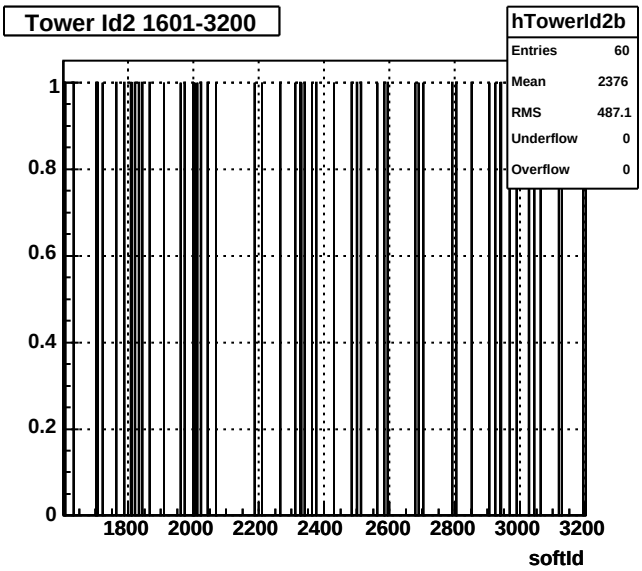

L0-L2 rejection rate
hL0L2RejectionRate
Entries 161
Mean 1.714
RMS 0.1786
Underflow 0
Overflow 0

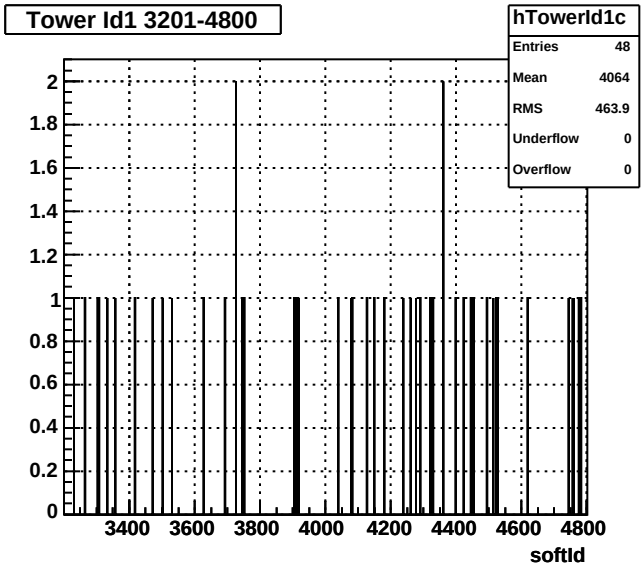

Delta Phi
hDeltaPhi
Entries 161
Mean 2.317
RMS 0.533
Underflow 0
Overflow 0
Δφ [radians]

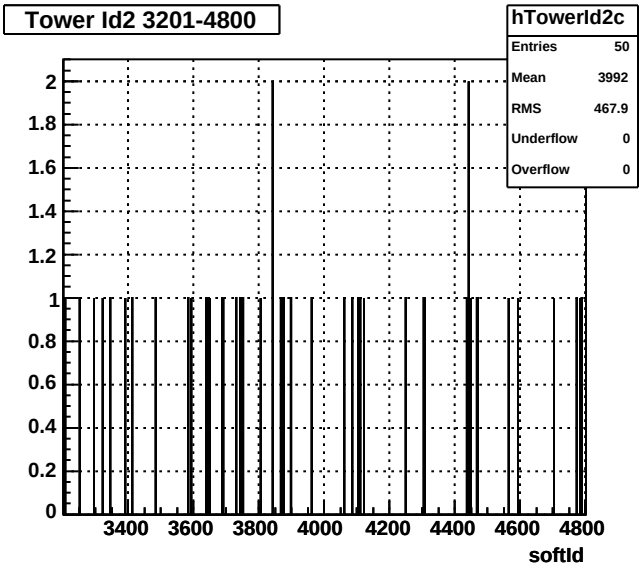

Tower Id1 1-1600
hTowerId1a
Entries 59
Mean 830.8
RMS 416.2
Underflow 0
Overflow 0
softId

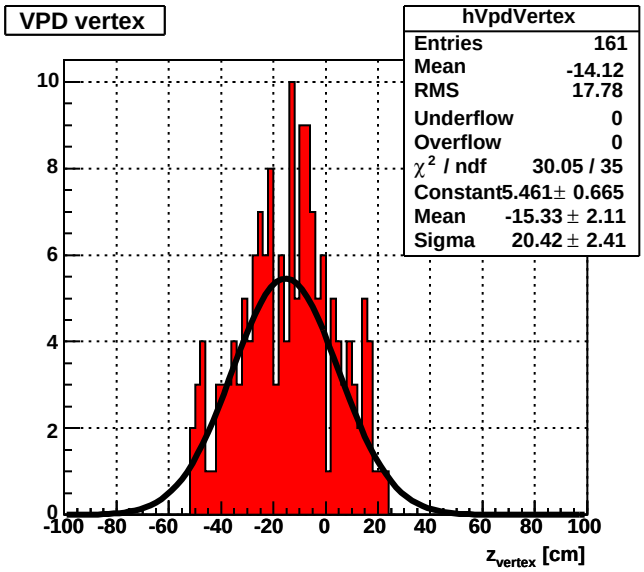

Tower Id2 1-1600
hTowerId2a
Entries 51
Mean 780.1
RMS 382.7
Underflow 0
Overflow 0
softId

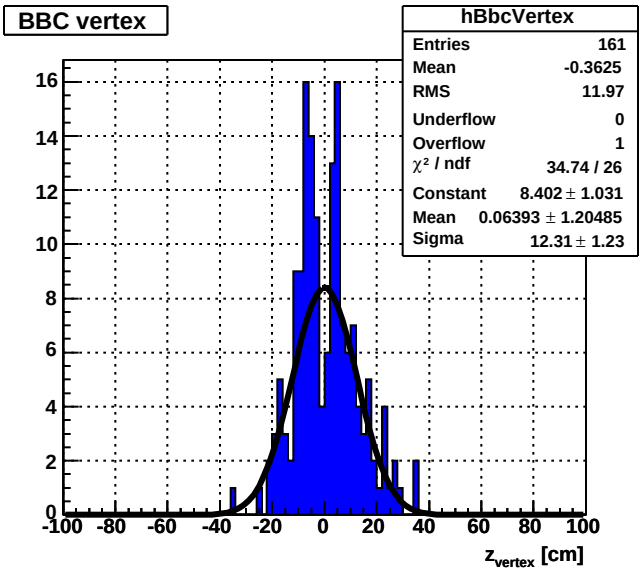

Tower Id1 1601-3200
hTowerId1b
Entries 54
Mean 2323
RMS 441.4
Underflow 0
Overflow 0
softId

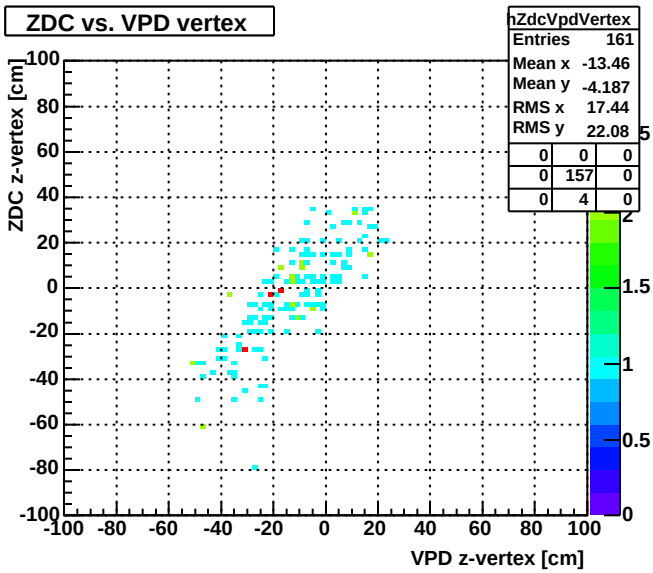

Tower Id2 1601-3200
hTowerId2b
Entries 60
Mean 2376
RMS 487.1
Underflow 0
Overflow 0
softId

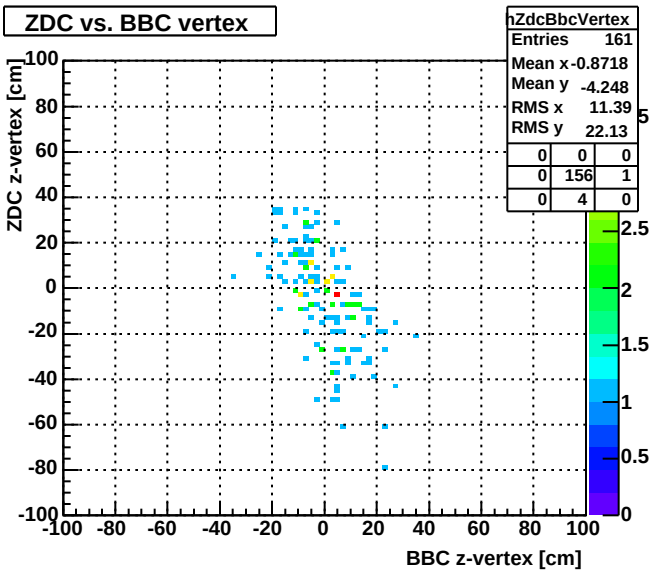

Tower Id1 3201-4800
hTowerId1c
Entries 48
Mean 4064
RMS 463.9
Underflow 0
Overflow 0
softId

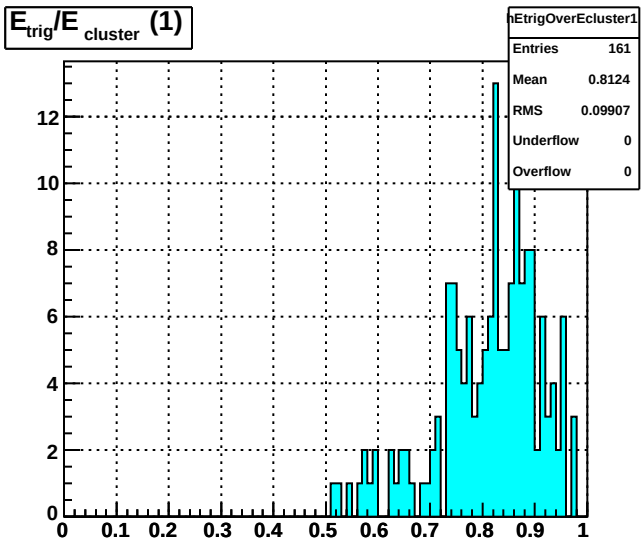

Tower Id2 3201-4800
hTowerId2c
Entries 50
Mean 3992
RMS 467.9
Underflow 0
Overflow 0
softId

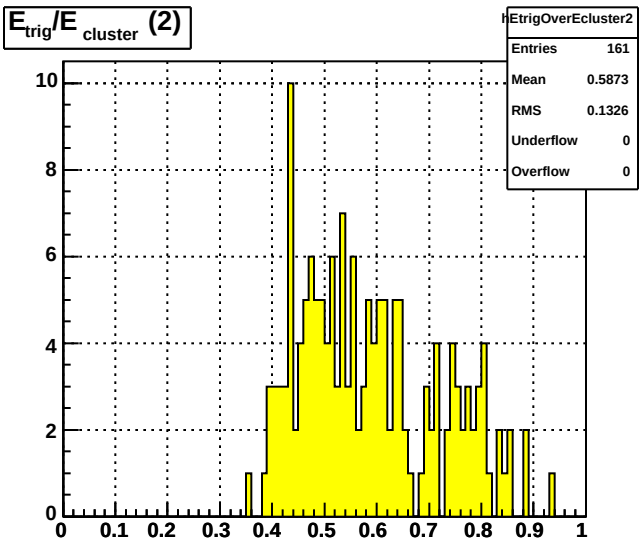

VPD vertex
hVpdVertex
Entries 161
Mean -14.12
RMS 17.78
Underflow 0
Overflow 0
χ² / ndf 30.05 / 35
Constant 5.461 ± 0.665
Mean -15.33 ± 2.11
Sigma 20.42 ± 2.41
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 161
Mean -0.3625
RMS 11.97
Underflow 0
Overflow 1
χ² / ndf 34.74 / 26
Constant 8.402 ± 1.031
Mean 0.06393 ± 1.20485
Sigma 12.31 ± 1.23
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 161
Mean x -13.46
Mean y -4.187
RMS x 17.44
RMS y 22.08
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 161
Mean x -0.8718
Mean y -4.248
RMS x 11.39
RMS y 22.13
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 161
Mean 0.8124
RMS 0.09907
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 161
Mean 0.5873
RMS 0.1326
Underflow 0
Overflow 0