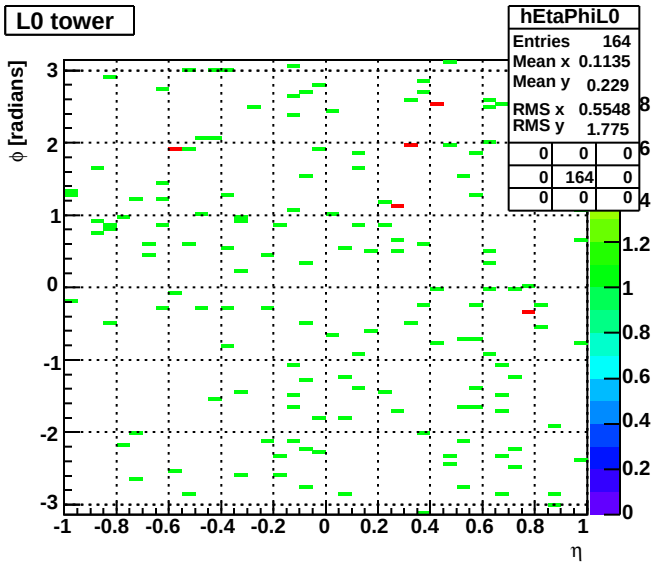
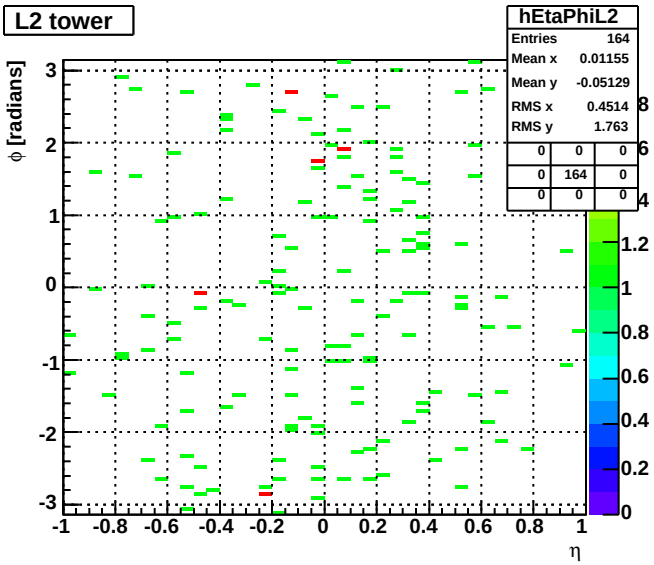
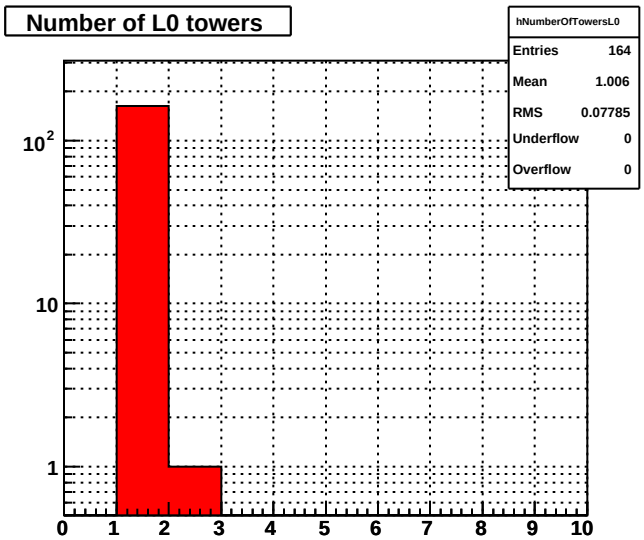
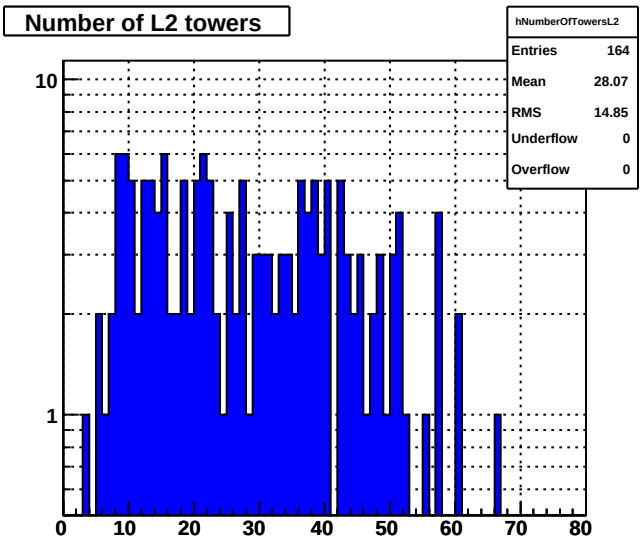
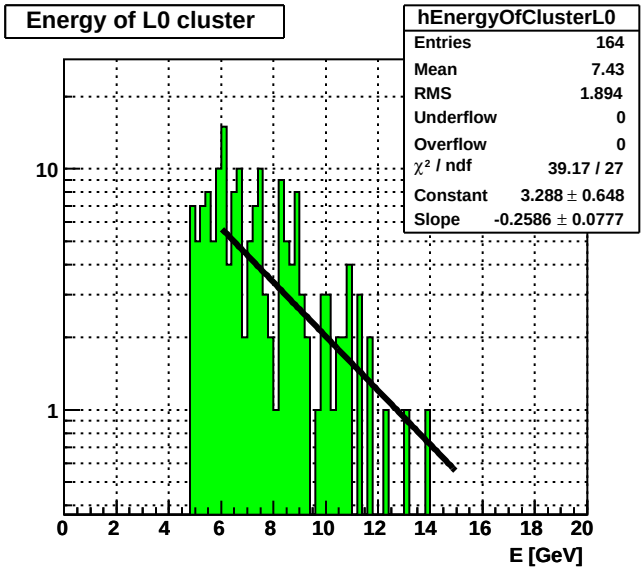
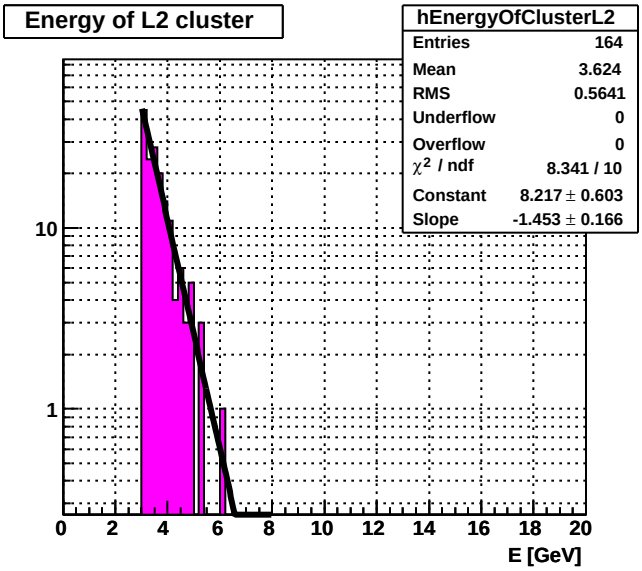

L0 tower
hEtaPhiL0
Entries 164
Mean x 0.1135
Mean y 0.229
RMS x 0.5548
RMS y 1.775
φ [radians]
η

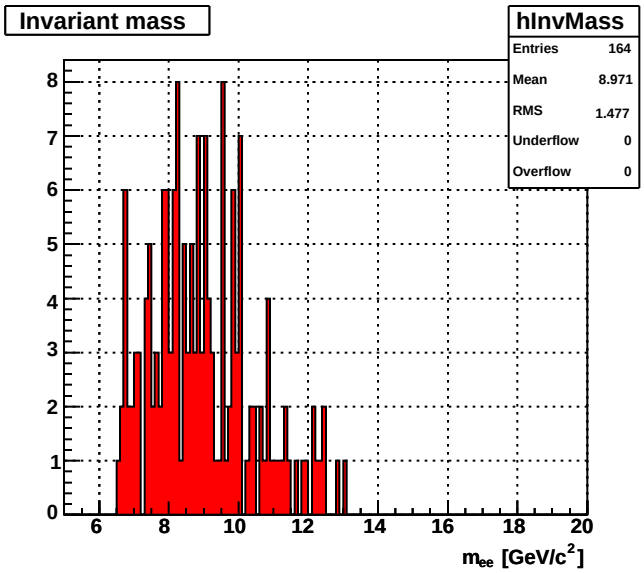

L2 tower
hEtaPhiL2
Entries 164
Mean x 0.01155
Mean y -0.05129
RMS x 0.4514
RMS y 1.763
φ [radians]
η

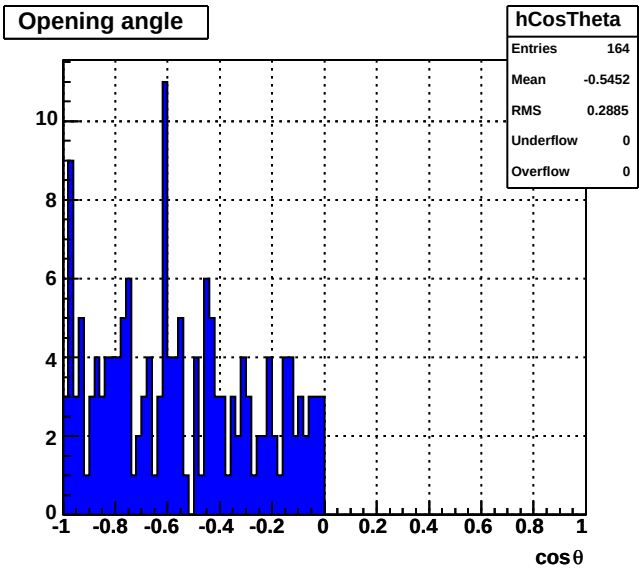

Number of L0 towers
hNumberOfTowersL0
Entries 164
Mean 1.006
RMS 0.07785
Underflow 0
Overflow 0

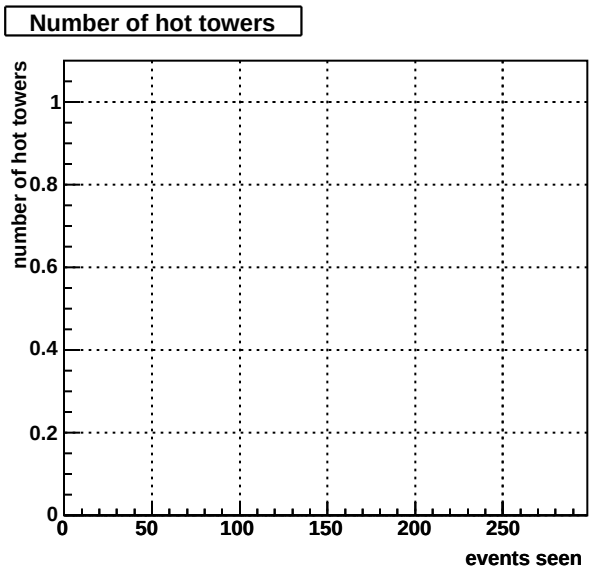

Number of L2 towers
hNumberOfTowersL2
Entries 164
Mean 28.07
RMS 14.85
Underflow 0
Overflow 0

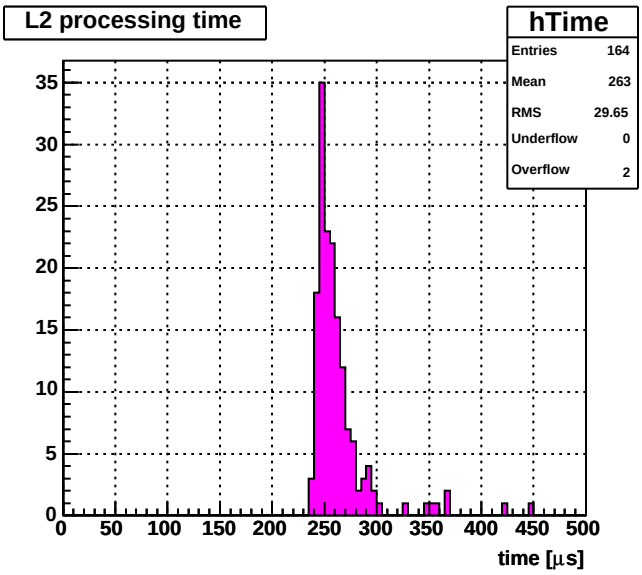

Energy of L0 cluster
hEnergyOfClusterL0
Entries 164
Mean 7.43
RMS 1.894
Underflow 0
Overflow 0
χ² / ndf 39.17 / 27
Constant 3.288 ± 0.648
Slope -0.2586 ± 0.0777
E [GeV]

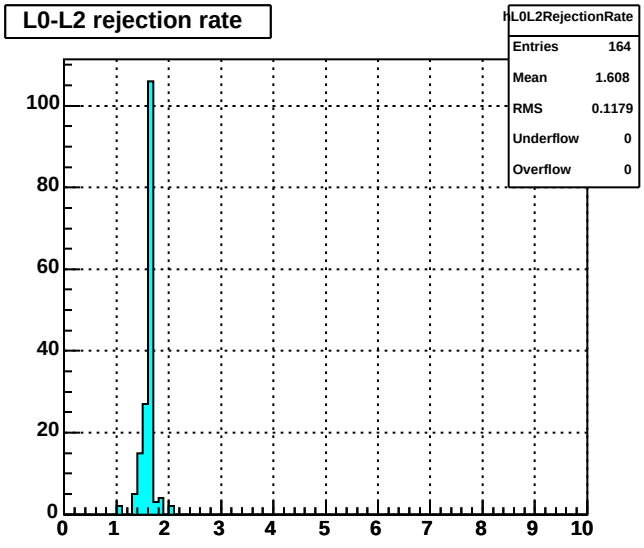

Energy of L2 cluster
hEnergyOfClusterL2
Entries 164
Mean 3.624
RMS 0.5641
Underflow 0
Overflow 0
χ² / ndf 8.341 / 10
Constant 8.217 ± 0.603
Slope -1.453 ± 0.166
E [GeV]

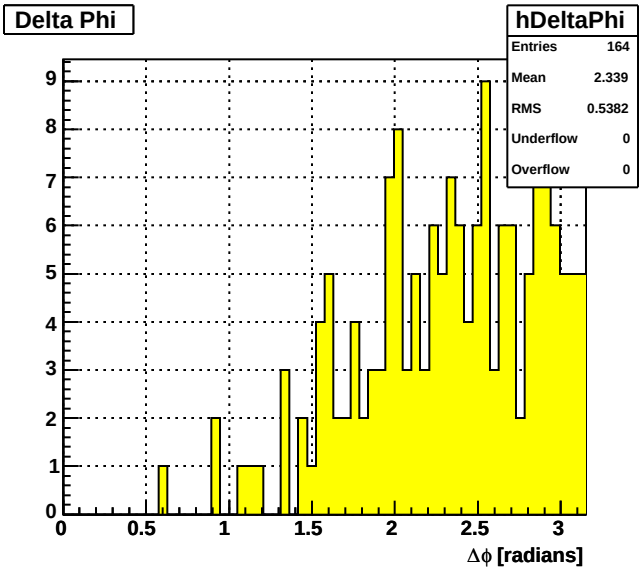

Invariant mass
hInvMass
Entries 164
Mean 8.971
RMS 1.477
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

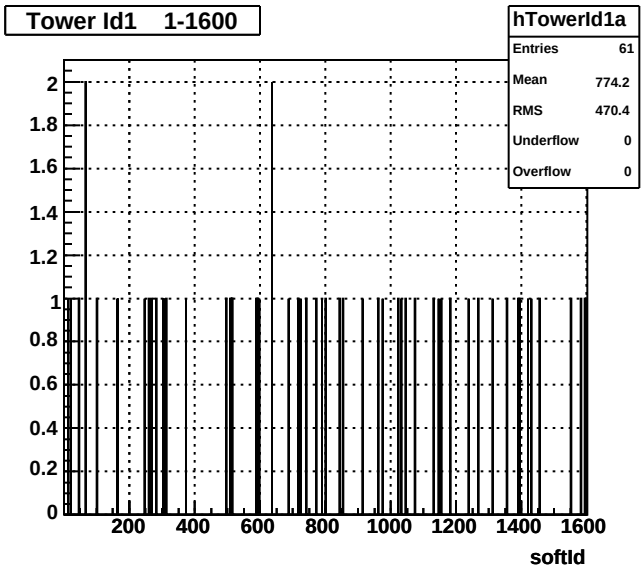

Opening angle
hCosTheta
Entries 164
Mean -0.5452
RMS 0.2885
Underflow 0
Overflow 0
cos θ

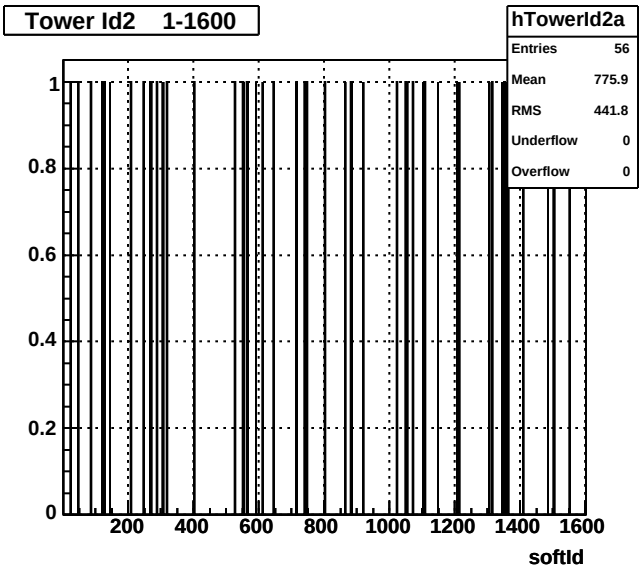

Number of hot towers
number of hot towers
events seen

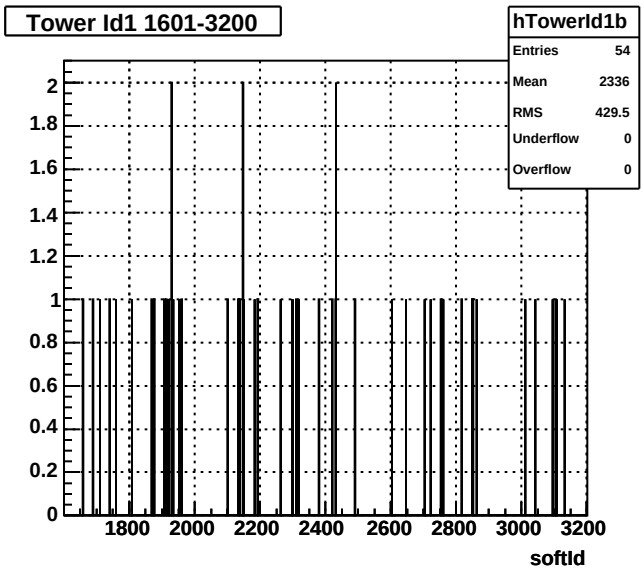

L2 processing time
hTime
Entries 164
Mean 263
RMS 29.65
Underflow 0
Overflow 2
time [μs]

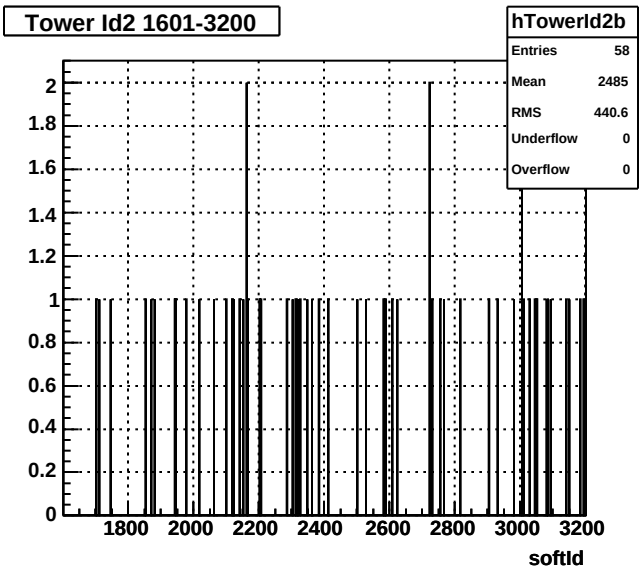

L0-L2 rejection rate
hL0L2RejectionRate
Entries 164
Mean 1.608
RMS 0.1179
Underflow 0
Overflow 0

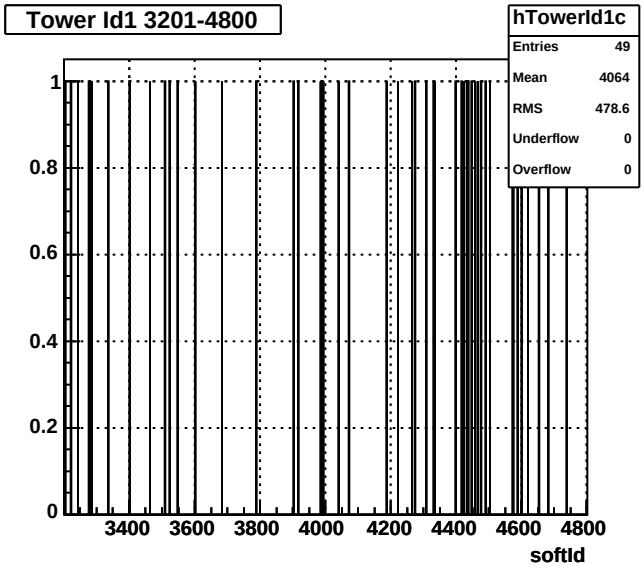

Delta Phi
hDeltaPhi
Entries 164
Mean 2.339
RMS 0.5382
Underflow 0
Overflow 0
Δφ [radians]

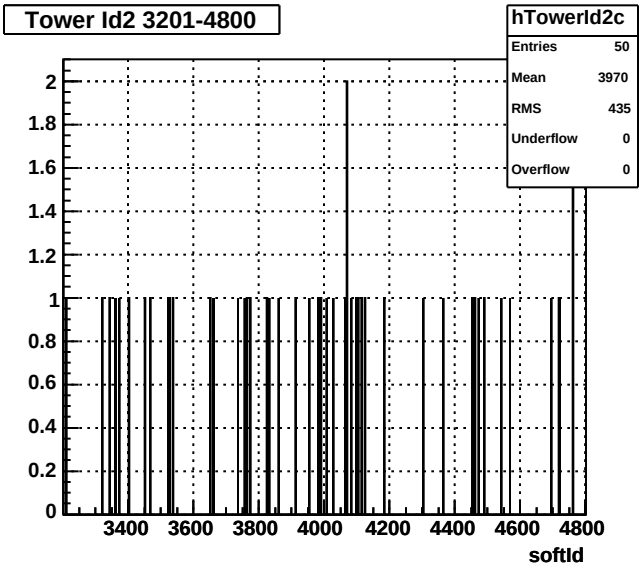

Tower Id1 1-1600
hTowerId1a
Entries 61
Mean 774.2
RMS 470.4
Underflow 0
Overflow 0
softId

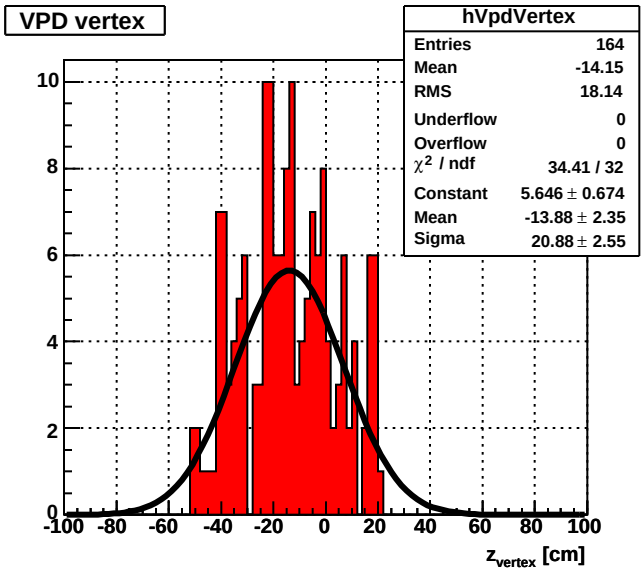

Tower Id2 1-1600
hTowerId2a
Entries 56
Mean 775.9
RMS 441.8
Underflow 0
Overflow 0
softId

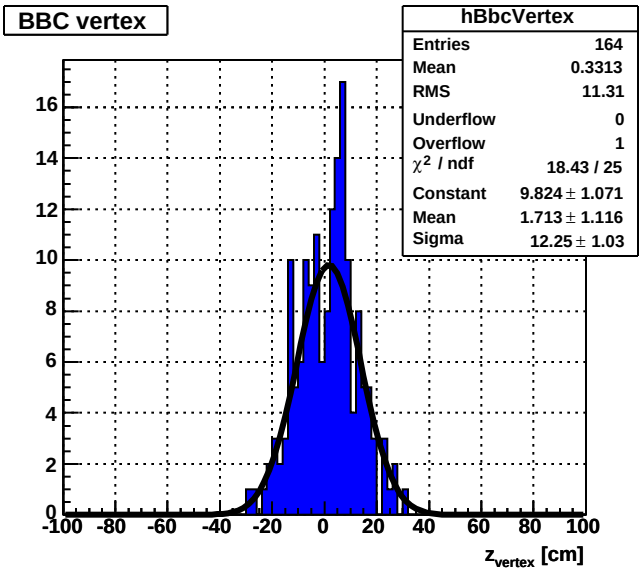

Tower Id1 1601-3200
hTowerId1b
Entries 54
Mean 2336
RMS 429.5
Underflow 0
Overflow 0
softId

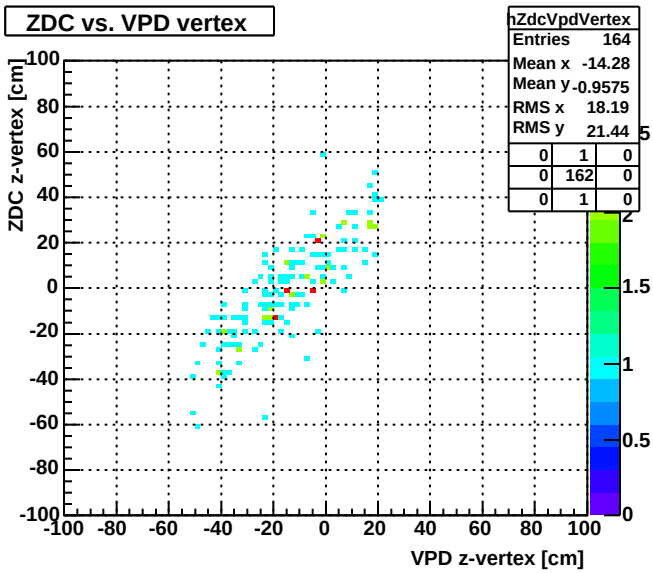

Tower Id2 1601-3200
hTowerId2b
Entries 58
Mean 2485
RMS 440.6
Underflow 0
Overflow 0
softId

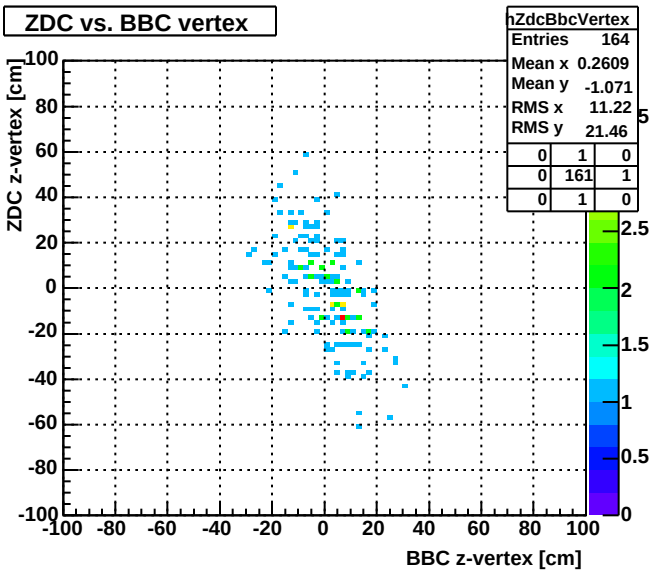

Tower Id1 3201-4800
hTowerId1c
Entries 49
Mean 4064
RMS 478.6
Underflow 0
Overflow 0
softId

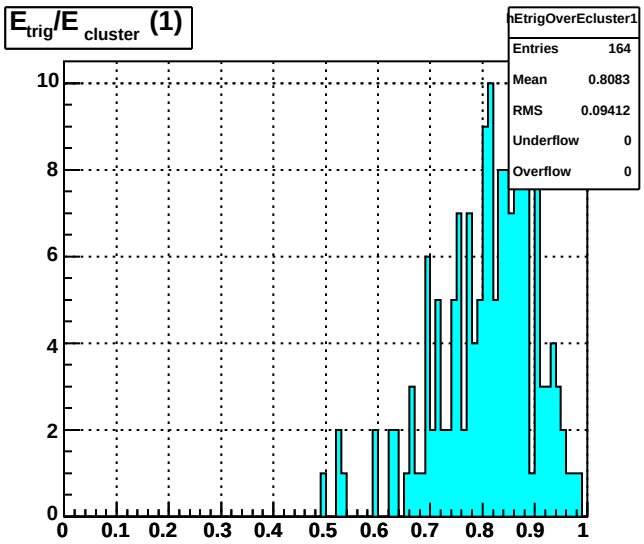

Tower Id2 3201-4800
hTowerId2c
Entries 50
Mean 3970
RMS 435
Underflow 0
Overflow 0
softId

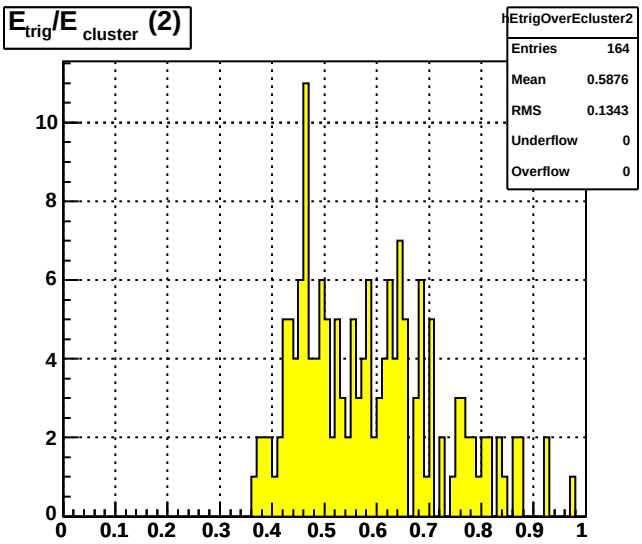

VPD vertex
hVpdVertex
Entries 164
Mean -14.15
RMS 18.14
Underflow 0
Overflow 0
χ² / ndf 34.41 / 32
Constant 5.646 ± 0.674
Mean -13.88 ± 2.35
Sigma 20.88 ± 2.55
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 164
Mean 0.3313
RMS 11.31
Underflow 0
Overflow 1
χ² / ndf 18.43 / 25
Constant 9.824 ± 1.071
Mean 1.713 ± 1.116
Sigma 12.25 ± 1.03
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 164
Mean x -14.28
Mean y -0.9575
RMS x 18.19
RMS y 21.44
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 164
Mean x 0.2609
Mean y -1.071
RMS x 11.22
RMS y 21.46
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 164
Mean 0.8083
RMS 0.09412
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 164
Mean 0.5876
RMS 0.1343
Underflow 0
Overflow 0