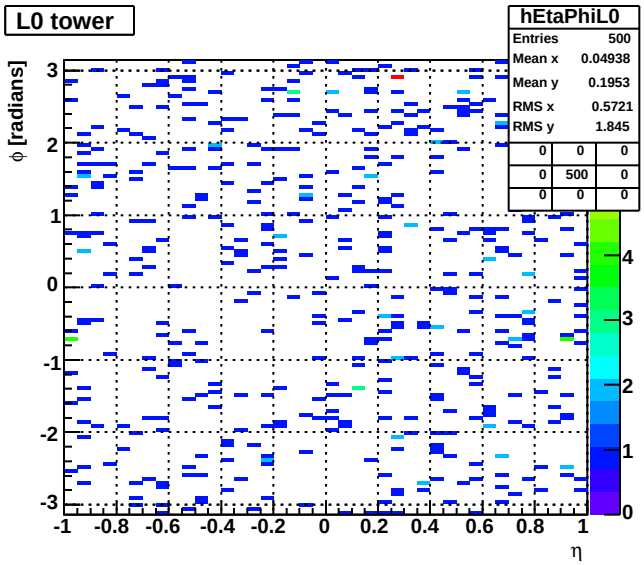
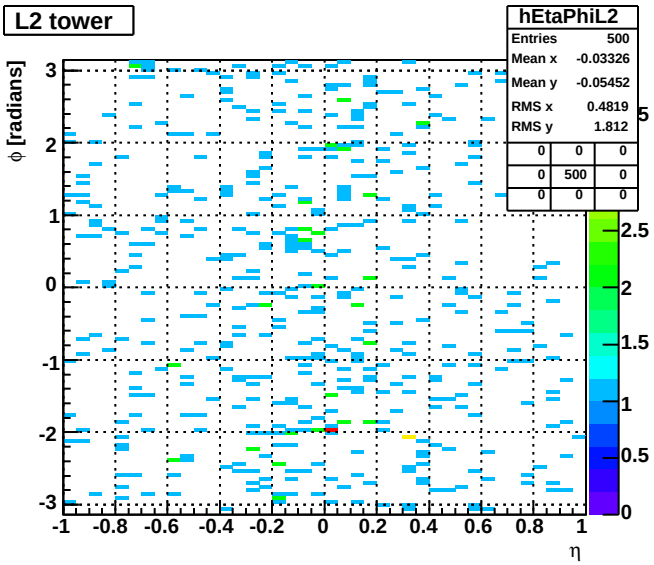
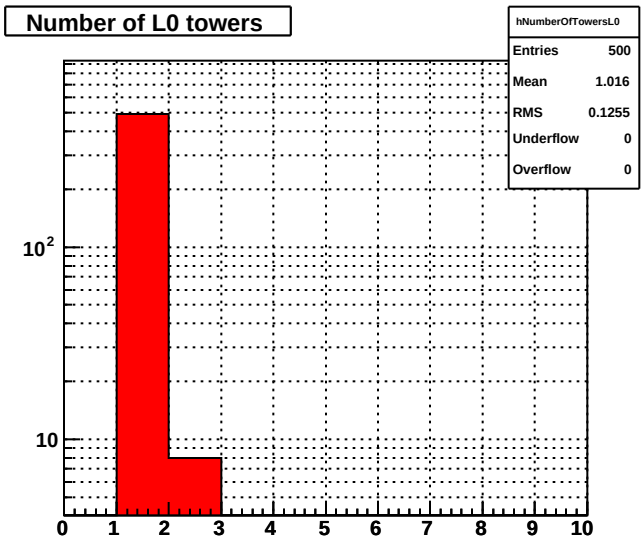
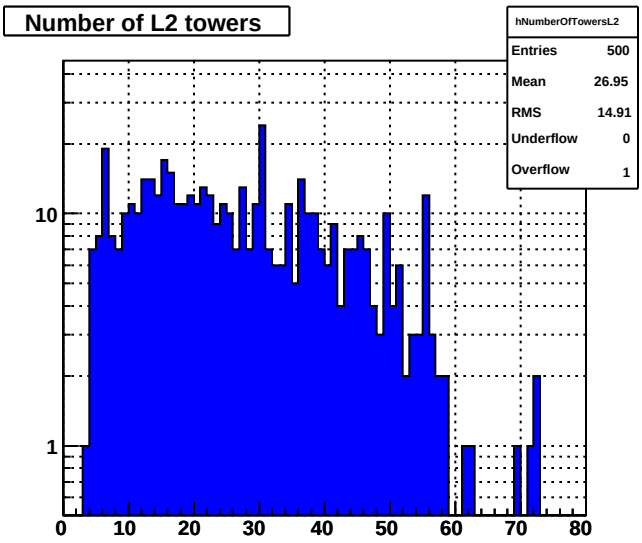
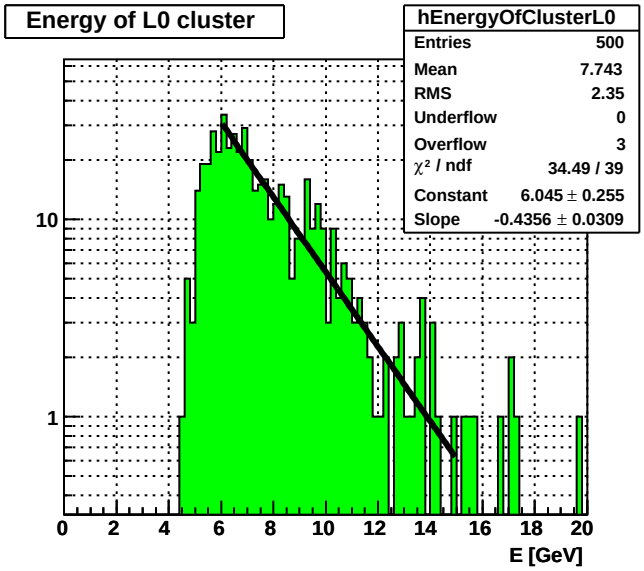
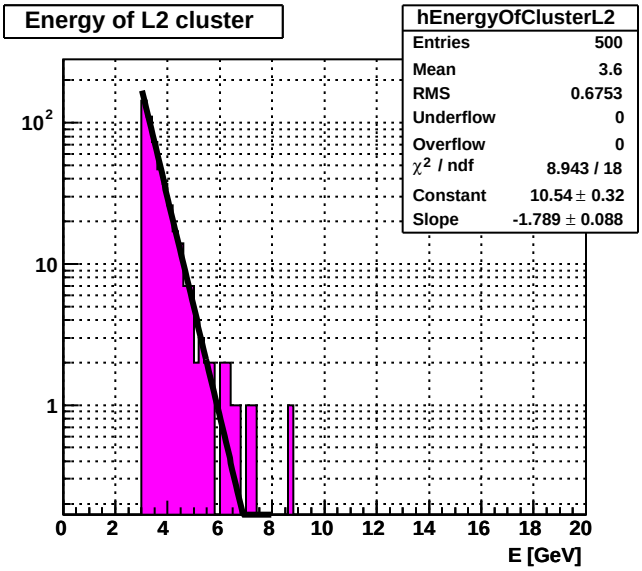

L0 tower
hEtaPhiL0
Entries 500
Mean x 0.04938
Mean y 0.1953
RMS x 0.5721
RMS y 1.845
φ [radians]
η

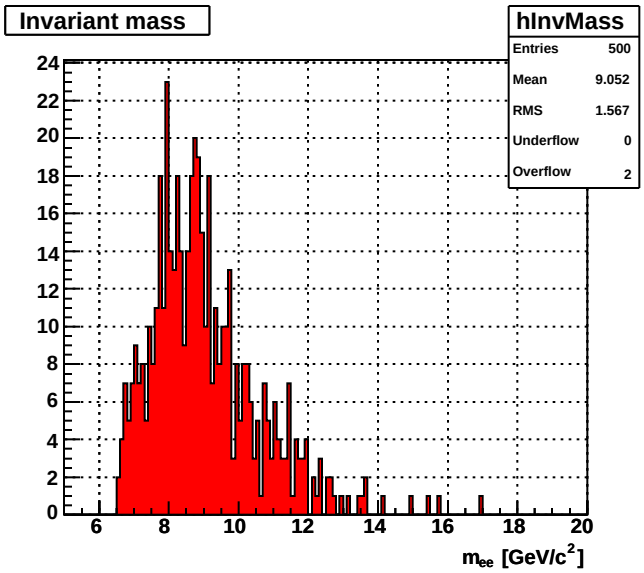

L2 tower
hEtaPhiL2
Entries 500
Mean x -0.03326
Mean y -0.05452
RMS x 0.4819
RMS y 1.812
φ [radians]
η

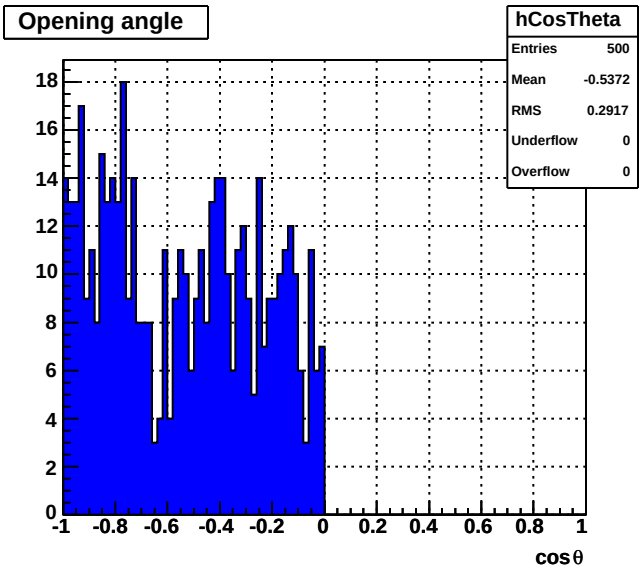

Number of L0 towers
hNumberOfTowersL0
Entries 500
Mean 1.016
RMS 0.1255
Underflow 0
Overflow 0

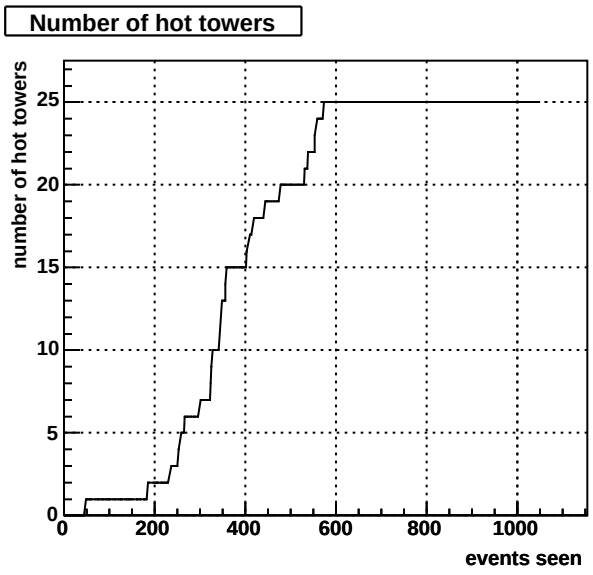

Number of L2 towers
hNumberOfTowersL2
Entries 500
Mean 26.95
RMS 14.91
Underflow 0
Overflow 1

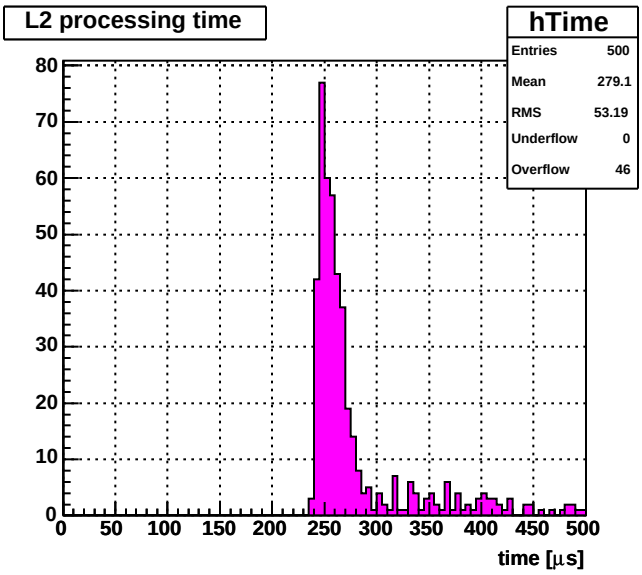

Energy of L0 cluster
hEnergyOfClusterL0
Entries 500
Mean 7.743
RMS 2.35
Underflow 0
Overflow 3
χ² / ndf 34.49 / 39
Constant 6.045 ± 0.255
Slope -0.4356 ± 0.0309
E [GeV]

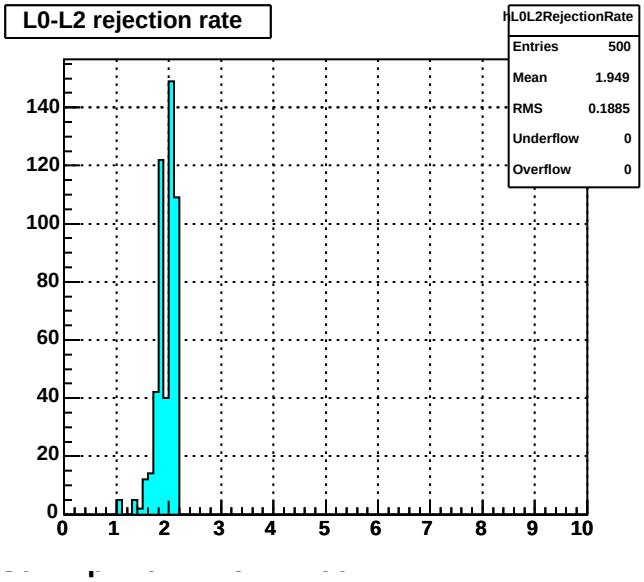

Energy of L2 cluster
hEnergyOfClusterL2
Entries 500
Mean 3.6
RMS 0.6753
Underflow 0
Overflow 0
χ² / ndf 8.943 / 18
Constant 10.54 ± 0.32
Slope -1.789 ± 0.088
E [GeV]

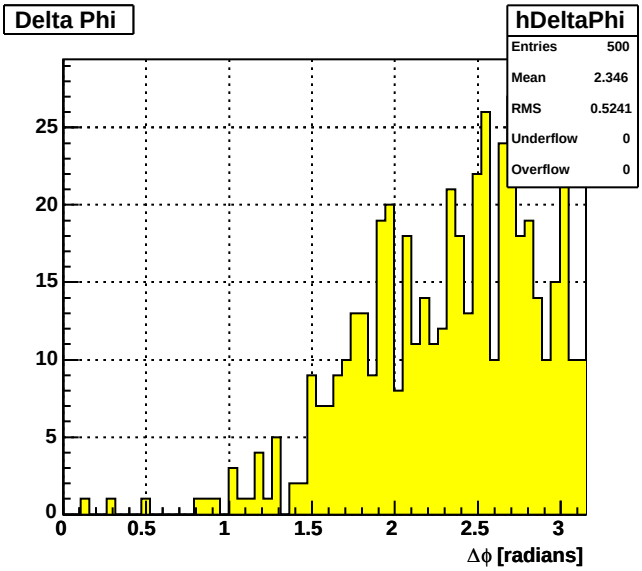

Invariant mass
hInvMass
Entries 500
Mean 9.052
RMS 1.567
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

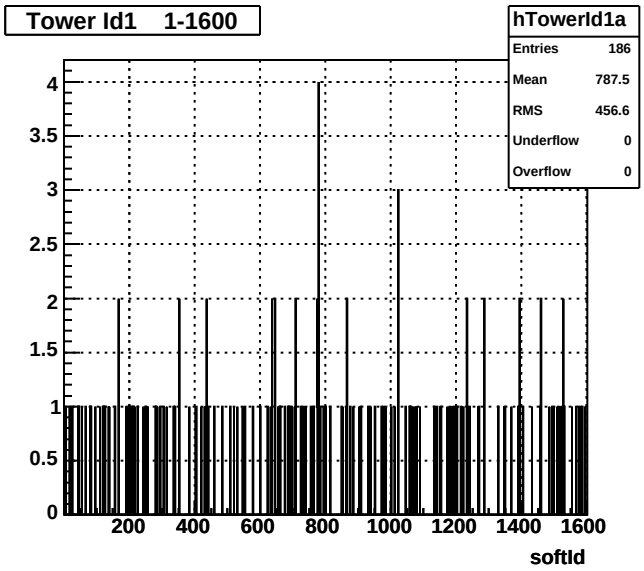

Opening angle
hCosTheta
Entries 500
Mean -0.5372
RMS 0.2917
Underflow 0
Overflow 0
cos θ

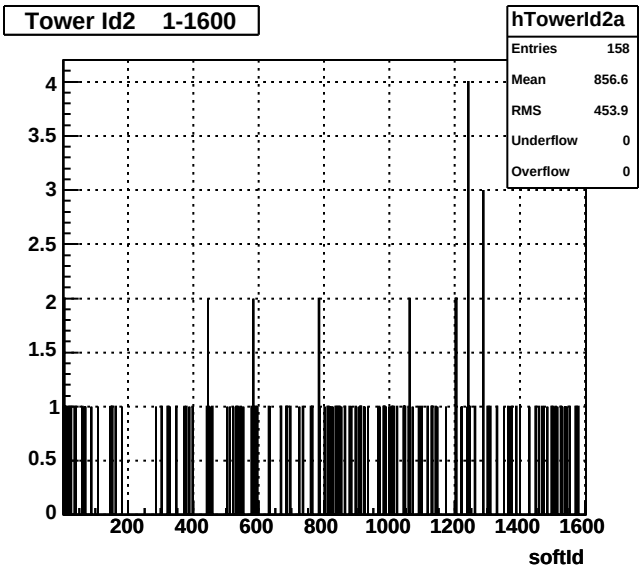

Number of hot towers
number of hot towers
events seen

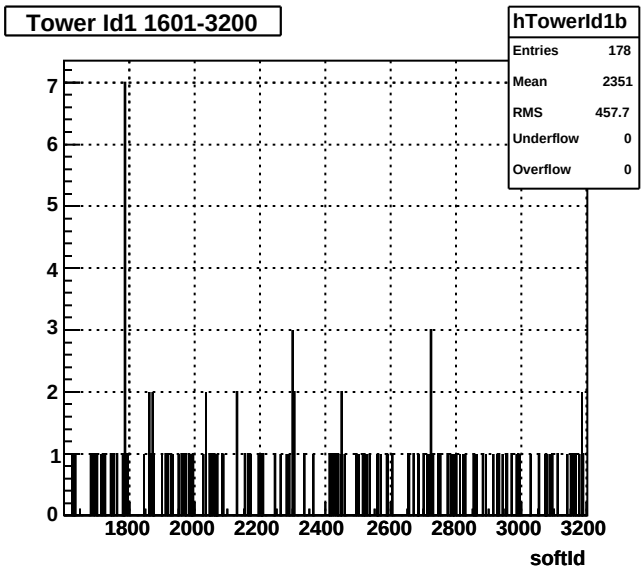

L2 processing time
hTime
Entries 500
Mean 279.1
RMS 53.19
Underflow 0
Overflow 46
time [μs]

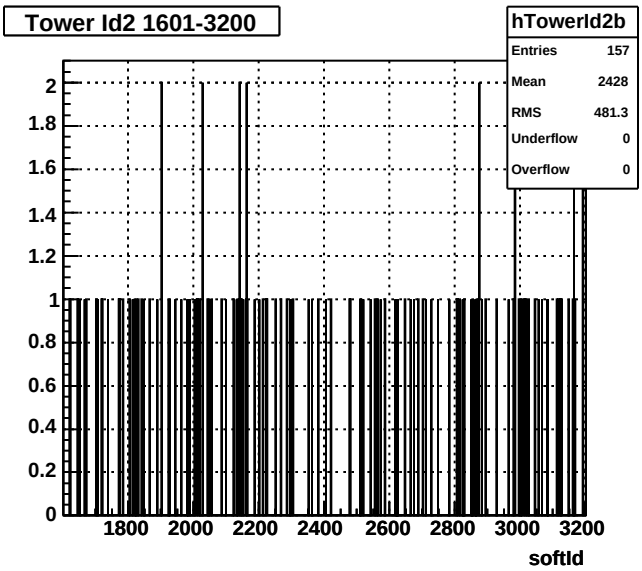

L0-L2 rejection rate
hL0L2RejectionRate
Entries 500
Mean 1.949
RMS 0.1885
Underflow 0
Overflow 0

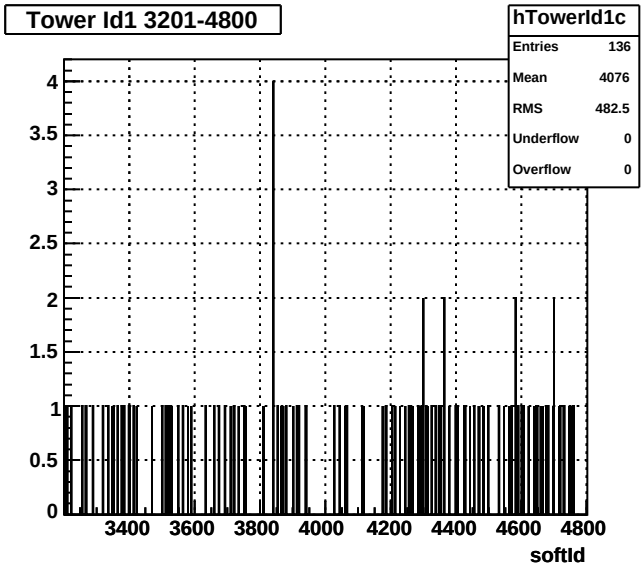

Delta Phi
hDeltaPhi
Entries 500
Mean 2.346
RMS 0.5241
Underflow 0
Overflow 0
Δφ [radians]

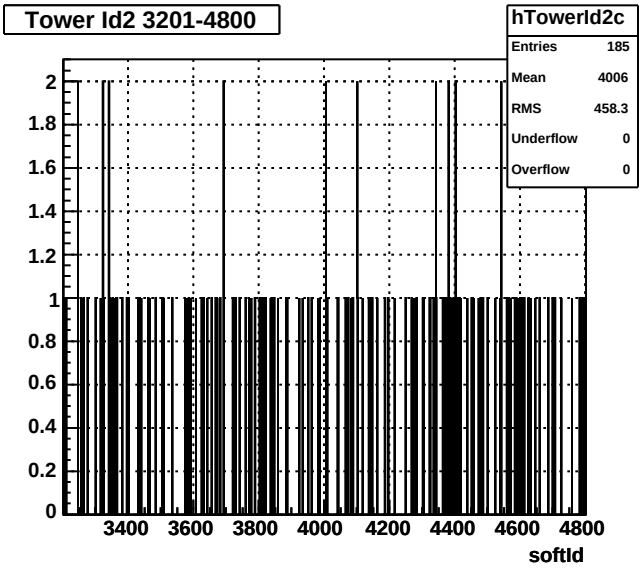

Tower Id1 1-1600
hTowerId1a
Entries 186
Mean 787.5
RMS 456.6
Underflow 0
Overflow 0
softId

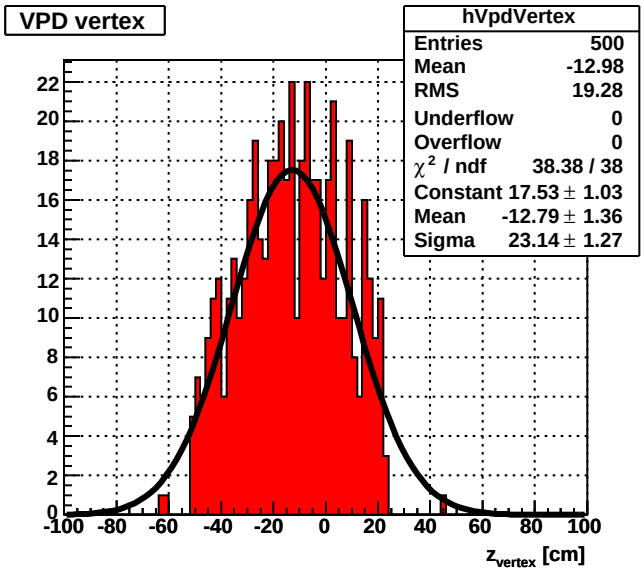

Tower Id2 1-1600
hTowerId2a
Entries 158
Mean 856.6
RMS 453.9
Underflow 0
Overflow 0
softId

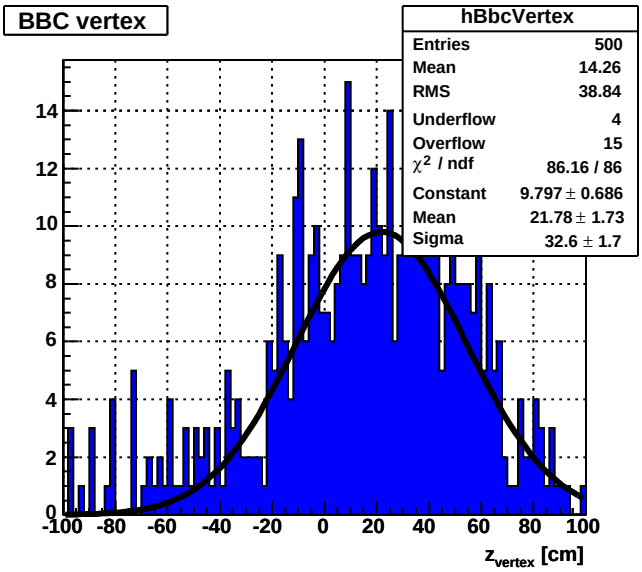

Tower Id1 1601-3200
hTowerId1b
Entries 178
Mean 2351
RMS 457.7
Underflow 0
Overflow 0
softId

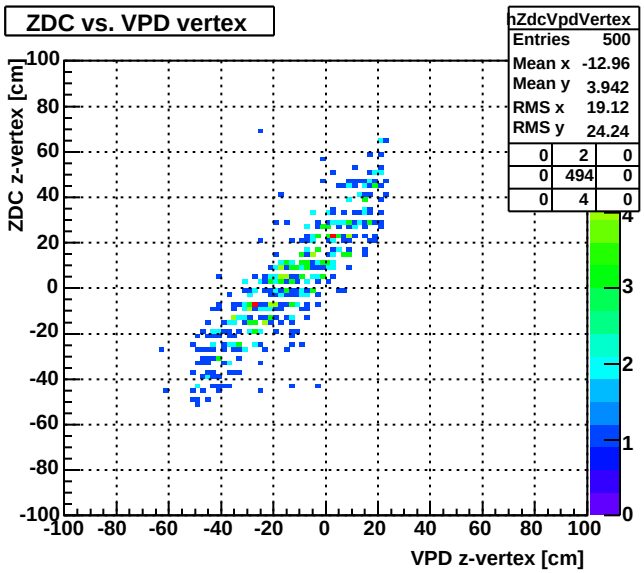

Tower Id2 1601-3200
hTowerId2b
Entries 157
Mean 2428
RMS 481.3
Underflow 0
Overflow 0
softId

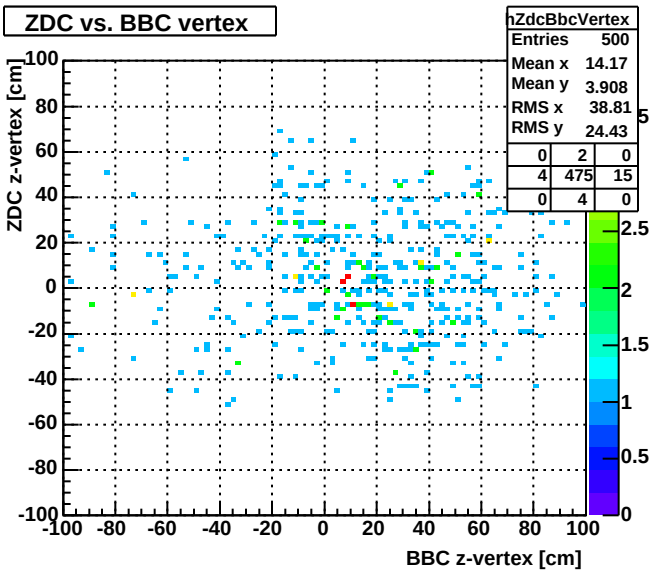

Tower Id1 3201-4800
hTowerId1c
Entries 136
Mean 4076
RMS 482.5
Underflow 0
Overflow 0
softId

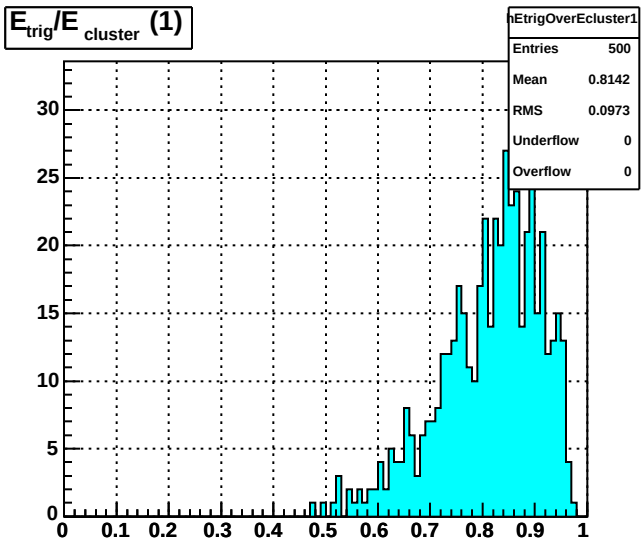

Tower Id2 3201-4800
hTowerId2c
Entries 185
Mean 4006
RMS 458.3
Underflow 0
Overflow 0
softId

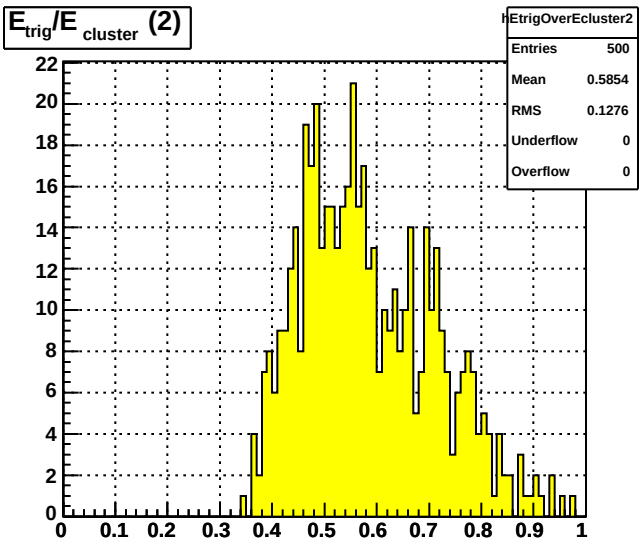

VPD vertex
hVpdVertex
Entries 500
Mean -12.98
RMS 19.28
Underflow 0
Overflow 0
χ² / ndf 38.38 / 38
Constant 17.53 ± 1.03
Mean -12.79 ± 1.36
Sigma 23.14 ± 1.27
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 500
Mean 14.26
RMS 38.84
Underflow 4
Overflow 15
χ² / ndf 86.16 / 86
Constant 9.797 ± 0.686
Mean 21.78 ± 1.73
Sigma 32.6 ± 1.7
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 500
Mean x -12.96
Mean y 3.942
RMS x 19.12
RMS y 24.24
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 500
Mean x 14.17
Mean y 3.908
RMS x 38.81
RMS y 24.43
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 500
Mean 0.8142
RMS 0.0973
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 500
Mean 0.5854
RMS 0.1276
Underflow 0
Overflow 0