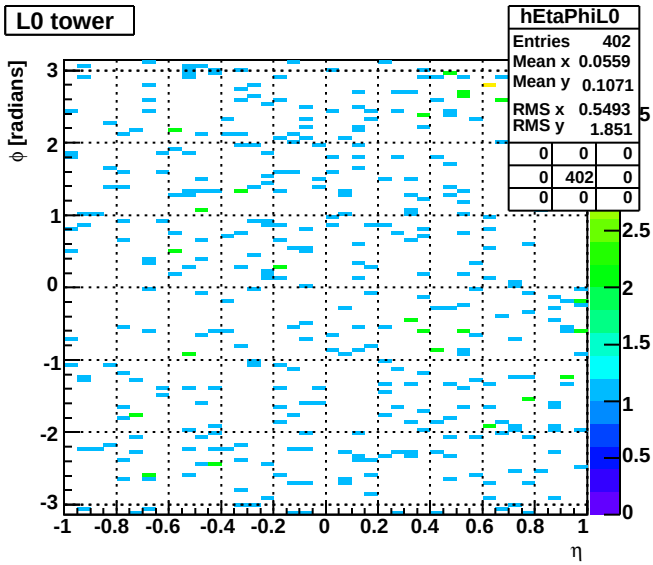
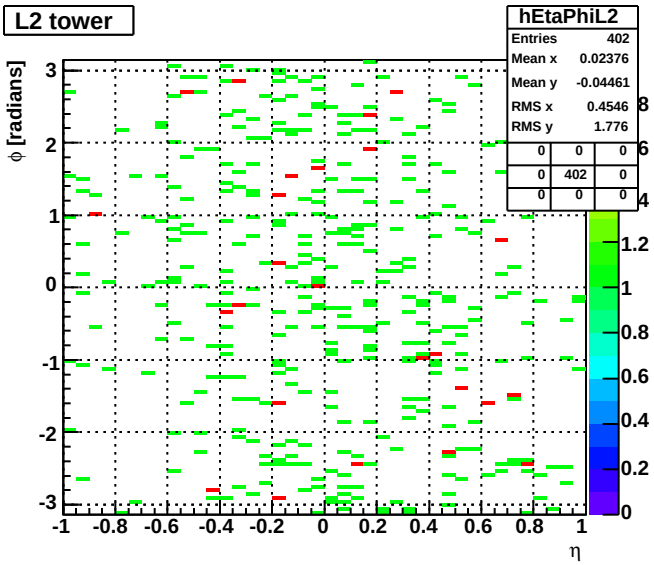
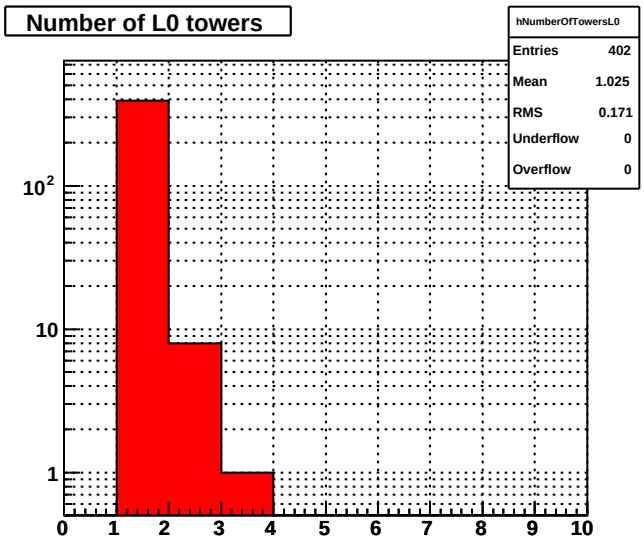
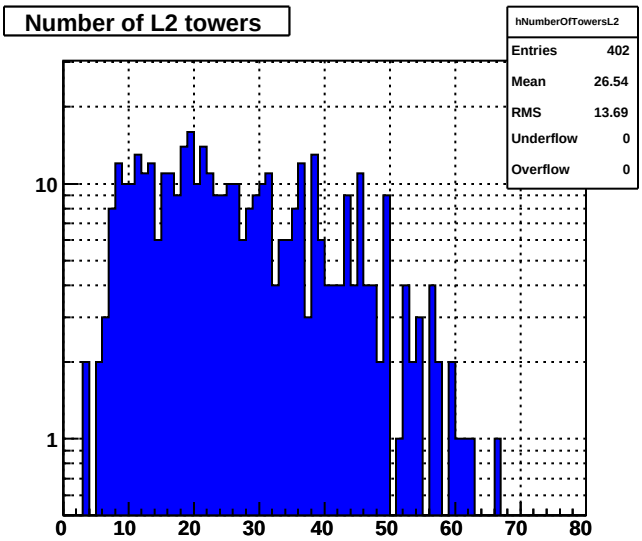
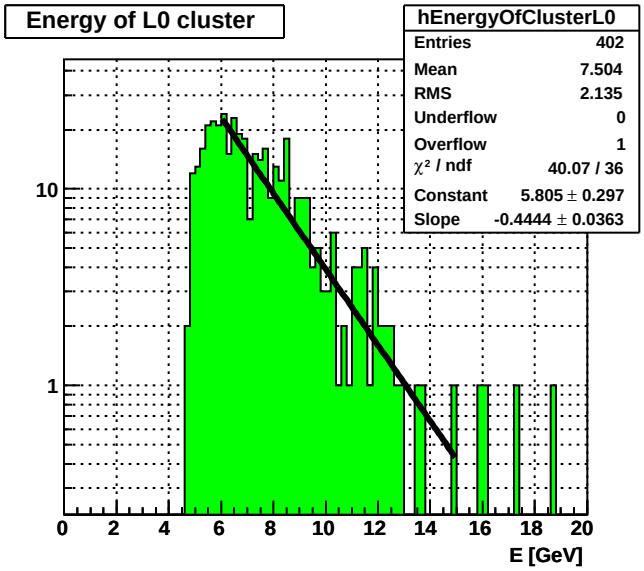
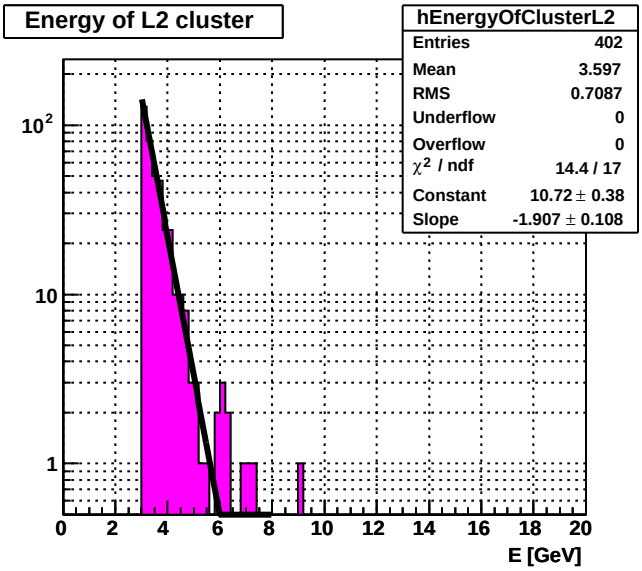

L0 tower
hEtaPhiL0
Entries 402
Mean x 0.0559
Mean y 0.1071
RMS x 0.5493
RMS y 1.851
φ [radians]
η

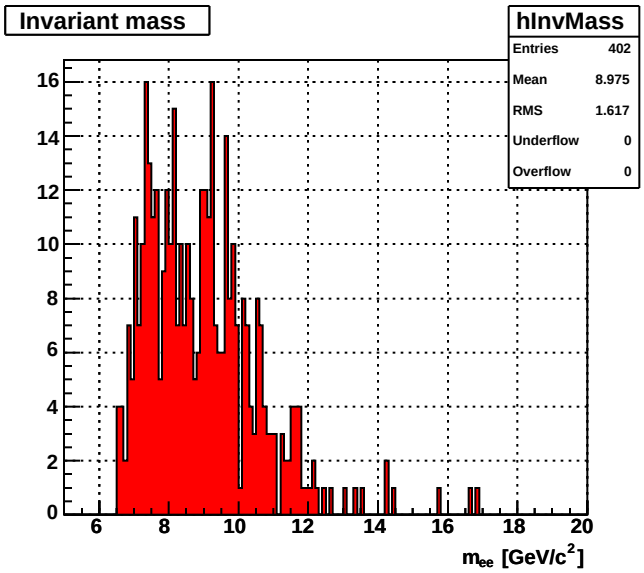

L2 tower
hEtaPhiL2
Entries 402
Mean x 0.02376
Mean y -0.04461
RMS x 0.4546
RMS y 1.776
φ [radians]
η

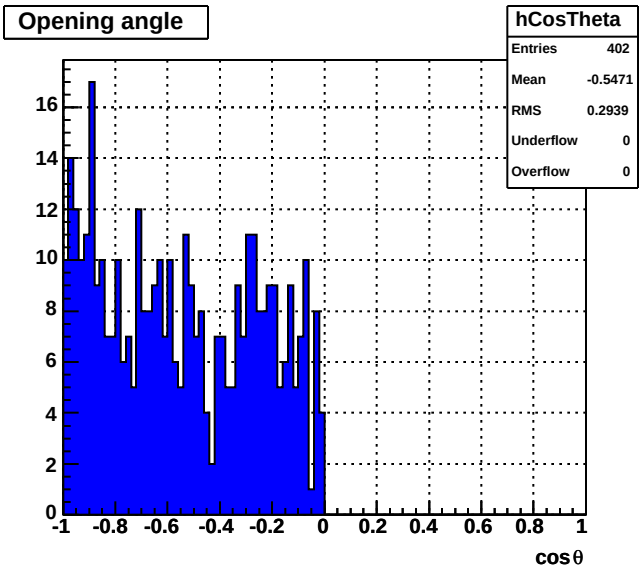

Number of L0 towers
hNumberOfTowersL0
Entries 402
Mean 1.025
RMS 0.171
Underflow 0
Overflow 0

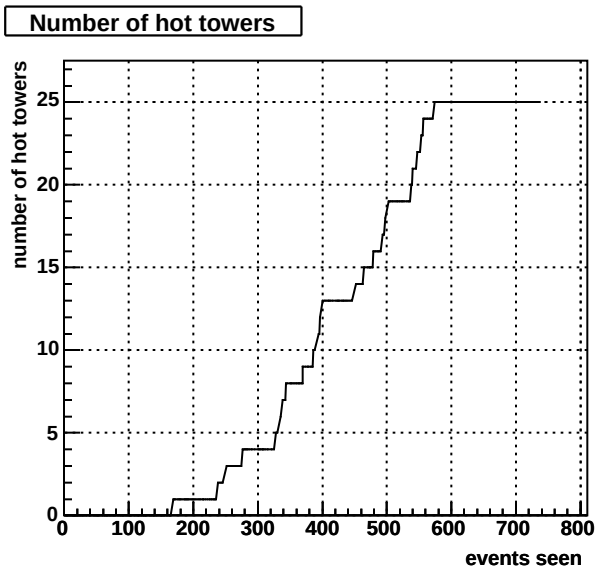

Number of L2 towers
hNumberOfTowersL2
Entries 402
Mean 26.54
RMS 13.69
Underflow 0
Overflow 0

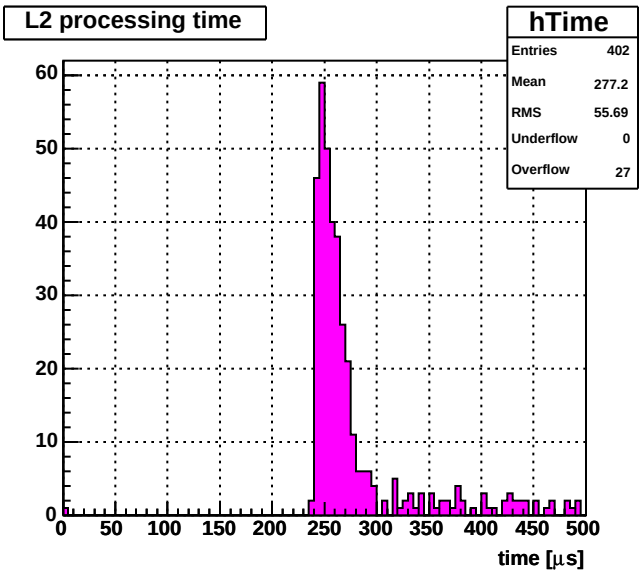

Energy of L0 cluster
hEnergyOfClusterL0
Entries 402
Mean 7.504
RMS 2.135
Underflow 0
Overflow 1
χ² / ndf 40.07 / 36
Constant 5.805 ± 0.297
Slope -0.4444 ± 0.0363
E [GeV]

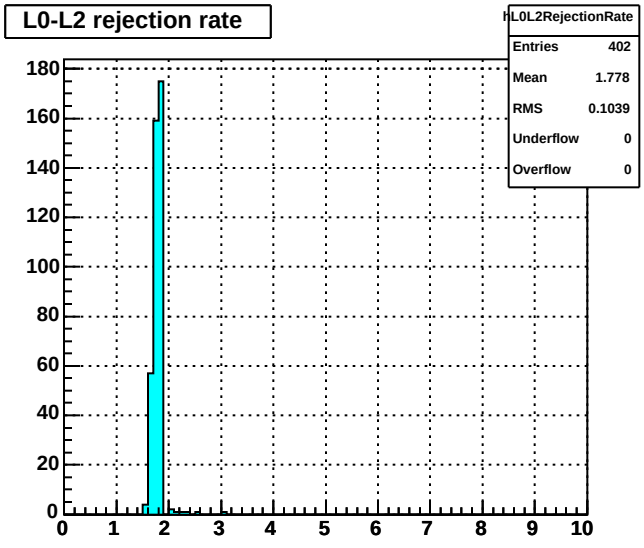

Energy of L2 cluster
hEnergyOfClusterL2
Entries 402
Mean 3.597
RMS 0.7087
Underflow 0
Overflow 0
χ² / ndf 14.4 / 17
Constant 10.72 ± 0.38
Slope -1.907 ± 0.108
E [GeV]

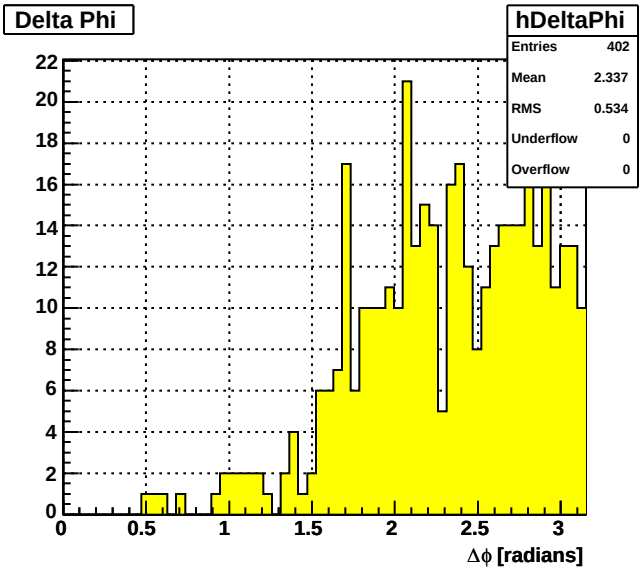

Invariant mass
hInvMass
Entries 402
Mean 8.975
RMS 1.617
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

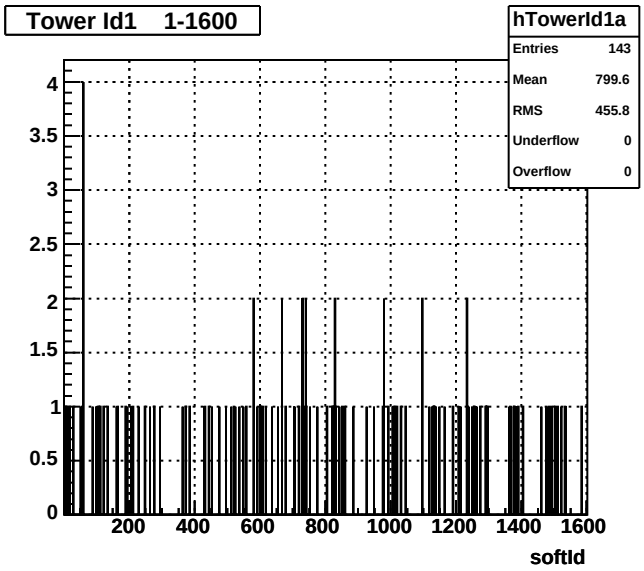

Opening angle
hCosTheta
Entries 402
Mean -0.5471
RMS 0.2939
Underflow 0
Overflow 0
cos θ

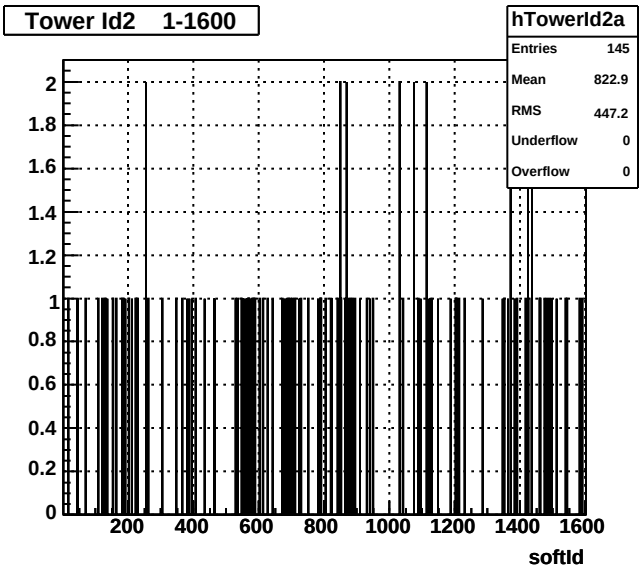

Number of hot towers
number of hot towers
events seen

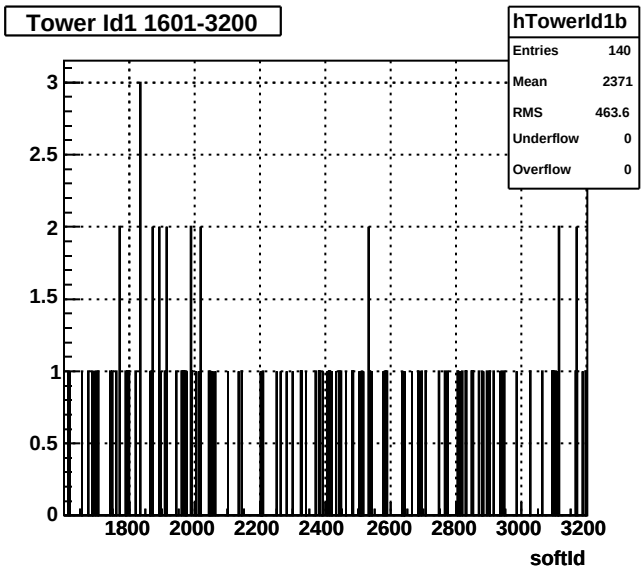

L2 processing time
hTime
Entries 402
Mean 277.2
RMS 55.69
Underflow 0
Overflow 27
time [μs]

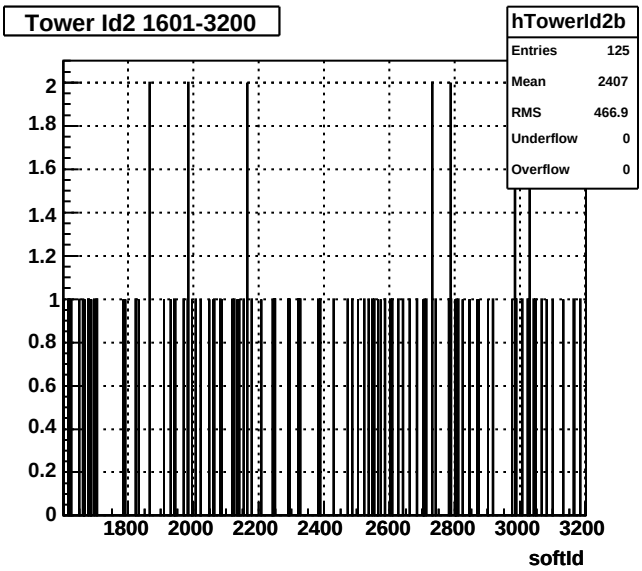

L0-L2 rejection rate
hL0L2RejectionRate
Entries 402
Mean 1.778
RMS 0.1039
Underflow 0
Overflow 0

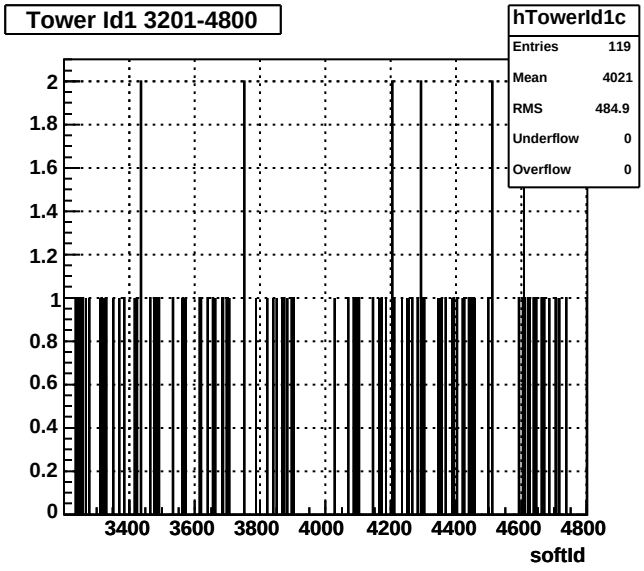

Delta Phi
hDeltaPhi
Entries 402
Mean 2.337
RMS 0.534
Underflow 0
Overflow 0
Δφ [radians]

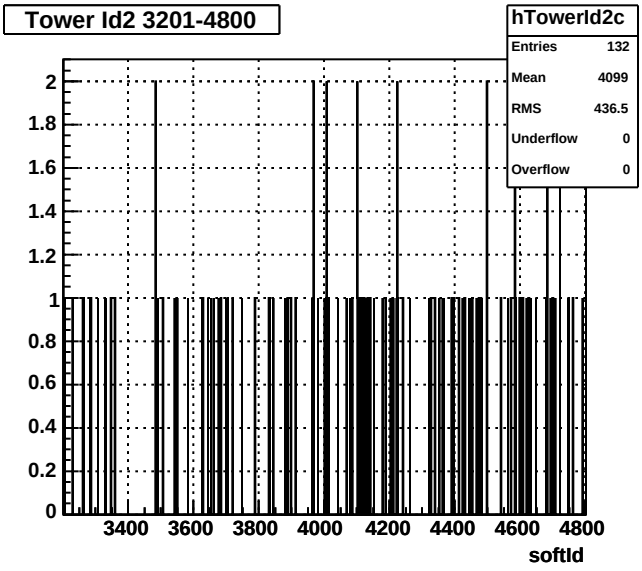

Tower Id1 1-1600
hTowerId1a
Entries 143
Mean 799.6
RMS 455.8
Underflow 0
Overflow 0
softId

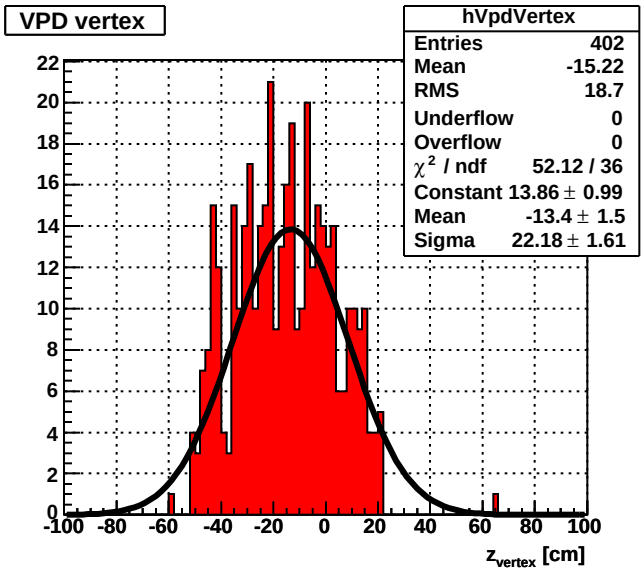

Tower Id2 1-1600
hTowerId2a
Entries 145
Mean 822.9
RMS 447.2
Underflow 0
Overflow 0
softId

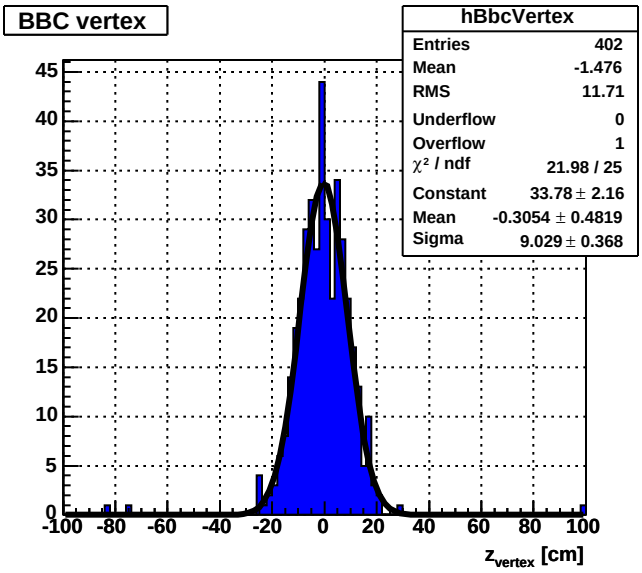

Tower Id1 1601-3200
hTowerId1b
Entries 140
Mean 2371
RMS 463.6
Underflow 0
Overflow 0
softId

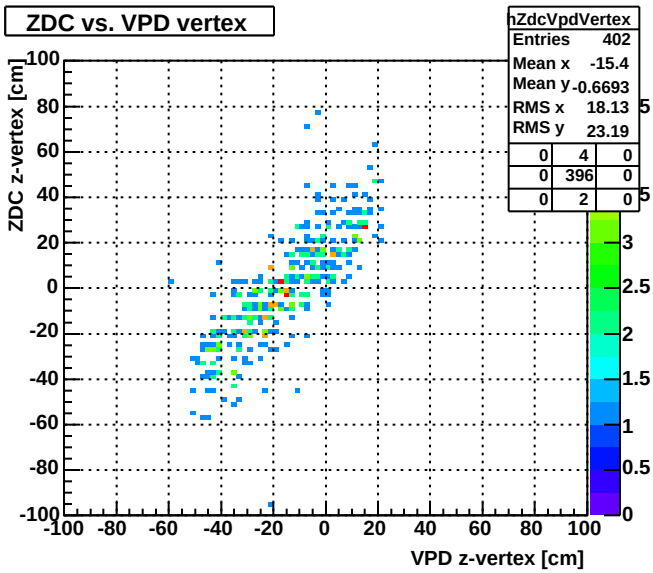

Tower Id2 1601-3200
hTowerId2b
Entries 125
Mean 2407
RMS 466.9
Underflow 0
Overflow 0
softId

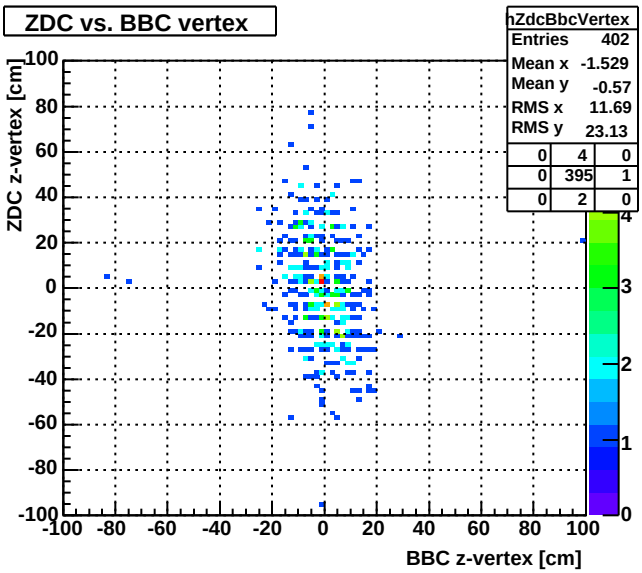

Tower Id1 3201-4800
hTowerId1c
Entries 119
Mean 4021
RMS 484.9
Underflow 0
Overflow 0
softId

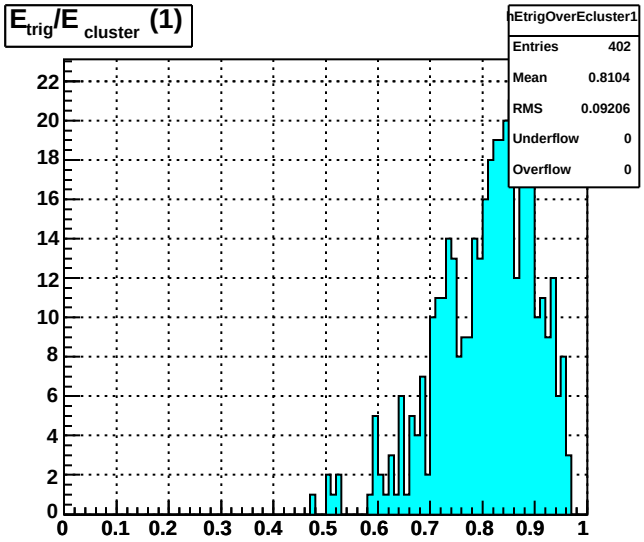

Tower Id2 3201-4800
hTowerId2c
Entries 132
Mean 4099
RMS 436.5
Underflow 0
Overflow 0
softId

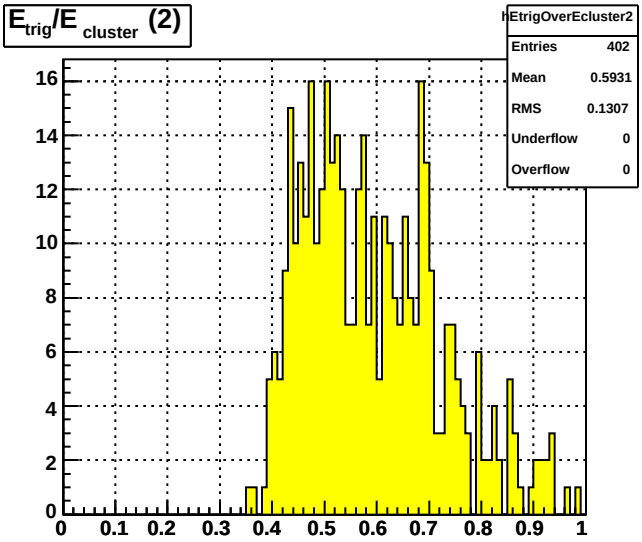

VPD vertex
hVpdVertex
Entries 402
Mean -15.22
RMS 18.7
Underflow 0
Overflow 0
χ² / ndf 52.12 / 36
Constant 13.86 ± 0.99
Mean -13.4 ± 1.5
Sigma 22.18 ± 1.61
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 402
Mean -1.476
RMS 11.71
Underflow 0
Overflow 1
χ² / ndf 21.98 / 25
Constant 33.78 ± 2.16
Mean -0.3054 ± 0.4819
Sigma 9.029 ± 0.368
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 402
Mean x -15.4
Mean y -0.6693
RMS x 18.13
RMS y 23.19
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 402
Mean x -1.529
Mean y -0.57
RMS x 11.69
RMS y 23.13
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 402
Mean 0.8104
RMS 0.09206
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 402
Mean 0.5931
RMS 0.1307
Underflow 0
Overflow 0