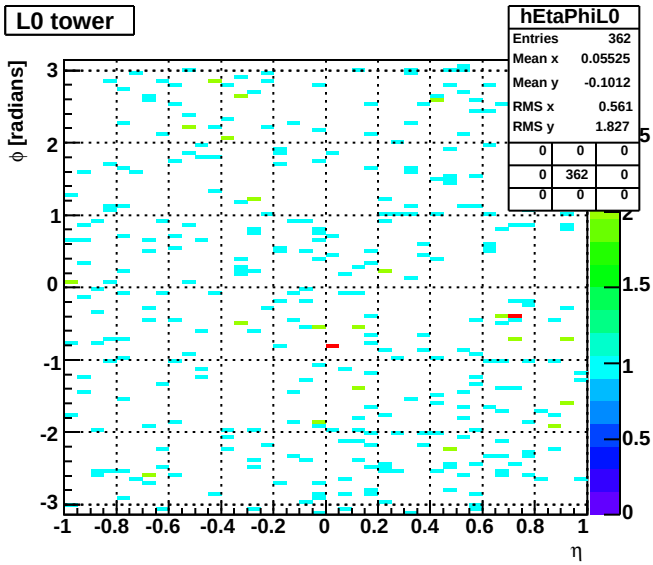
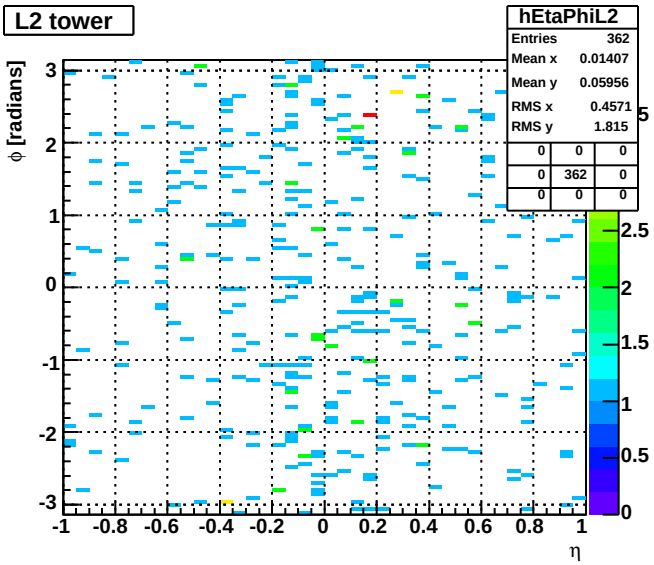
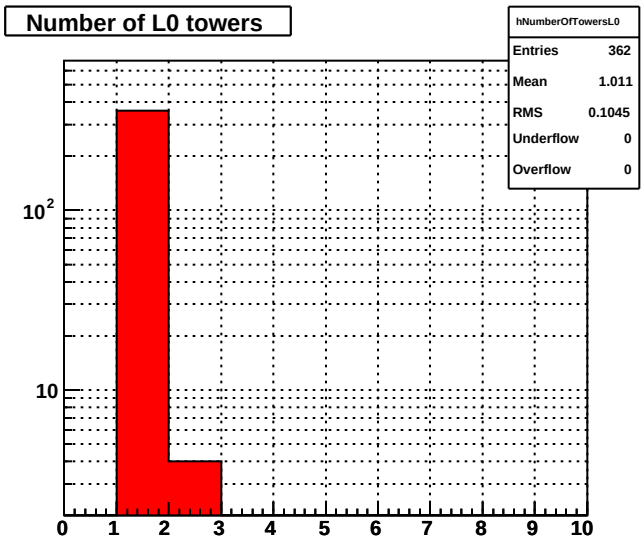
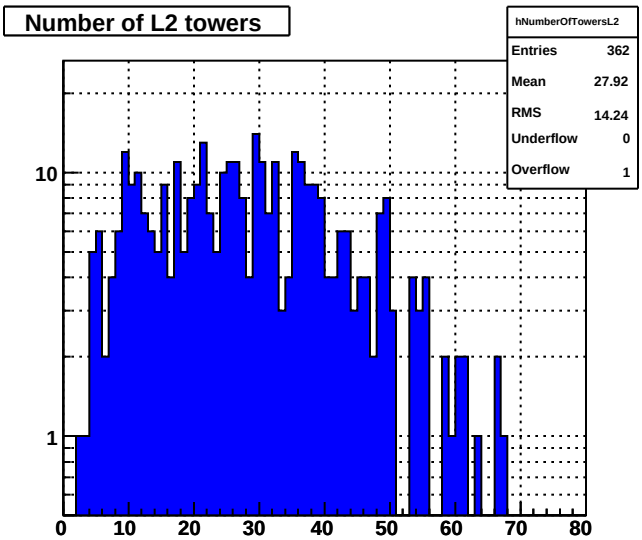
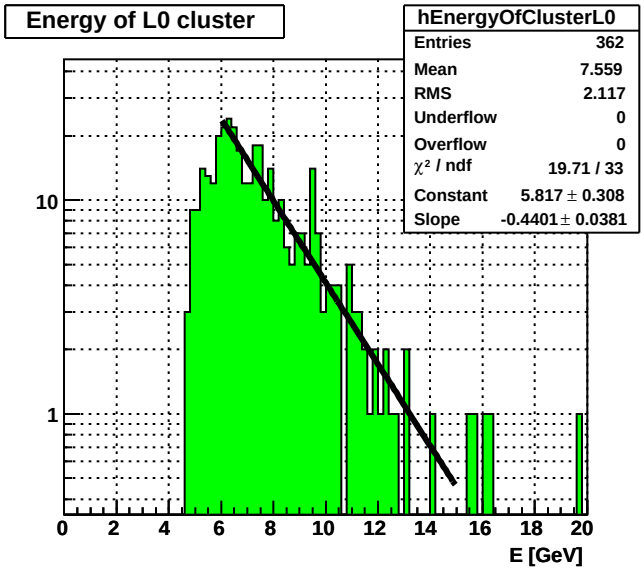
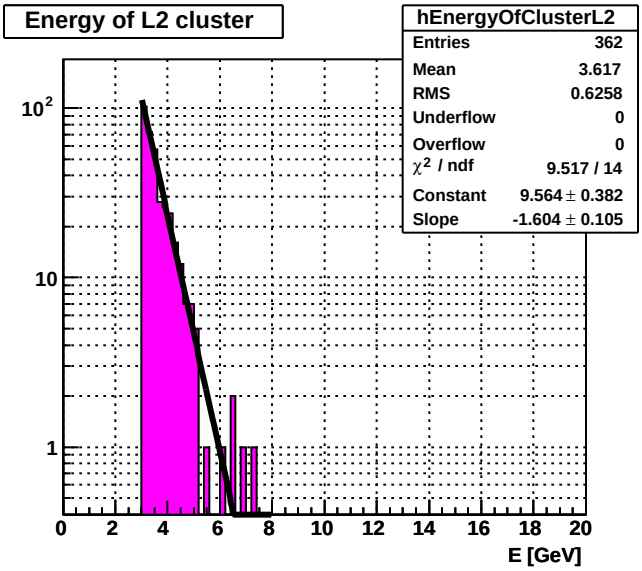

L0 tower
hEtaPhiL0
Entries 362
Mean x 0.05525
Mean y -0.1012
RMS x 0.561
RMS y 1.827
φ [radians]
η

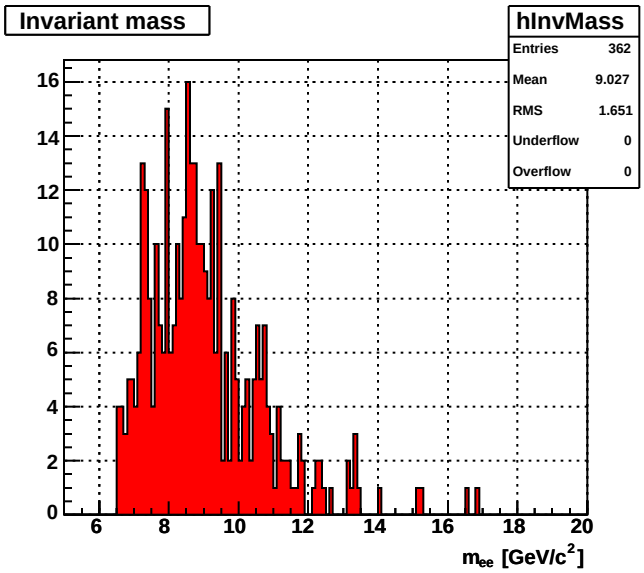

L2 tower
hEtaPhiL2
Entries 362
Mean x 0.01407
Mean y 0.05956
RMS x 0.4571
RMS y 1.815
φ [radians]
η

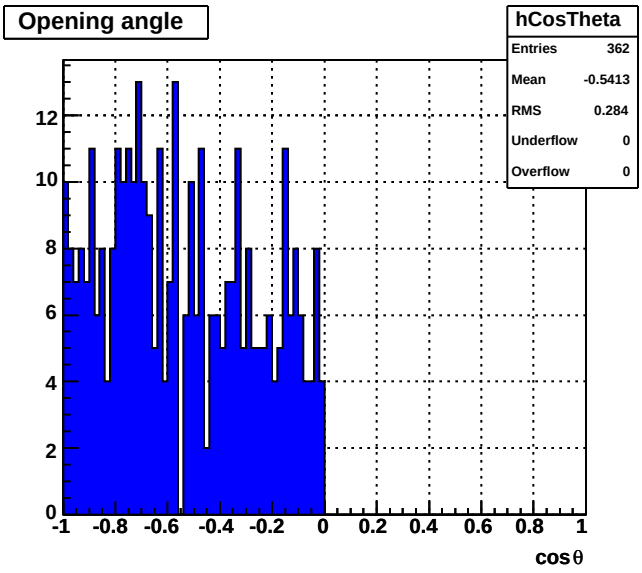

Number of L0 towers
hNumberOfTowersL0
Entries 362
Mean 1.011
RMS 0.1045
Underflow 0
Overflow 0

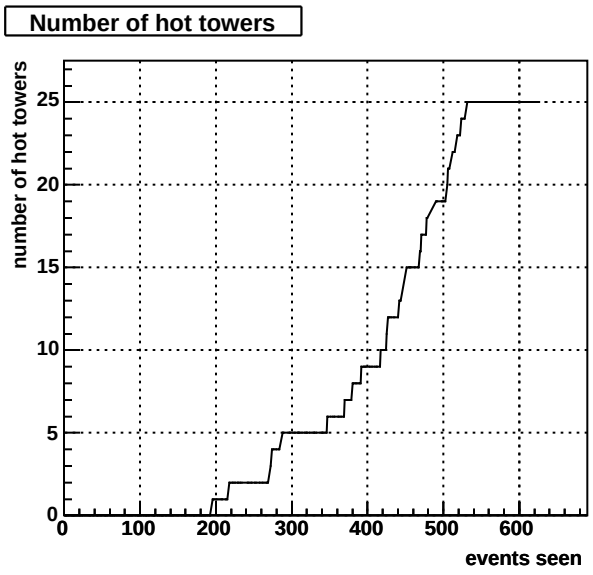

Number of L2 towers
hNumberOfTowersL2
Entries 362
Mean 27.92
RMS 14.24
Underflow 0
Overflow 1

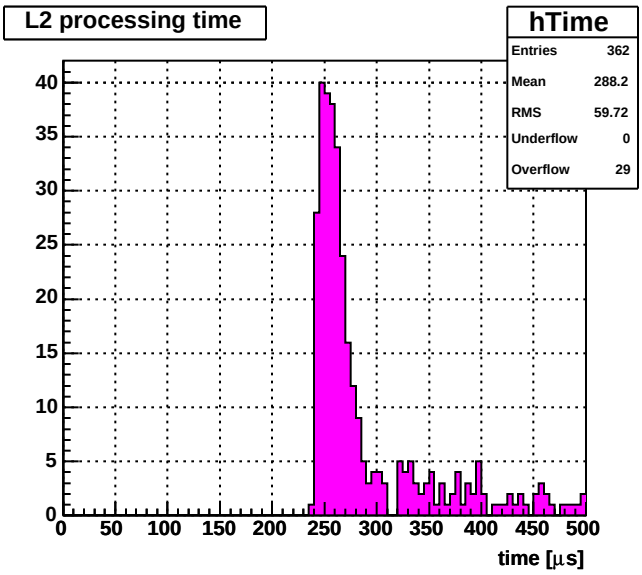

Energy of L0 cluster
hEnergyOfClusterL0
Entries 362
Mean 7.559
RMS 2.117
Underflow 0
Overflow 0
χ² / ndf 19.71 / 33
Constant 5.817 ± 0.308
Slope -0.4401 ± 0.0381
E [GeV]

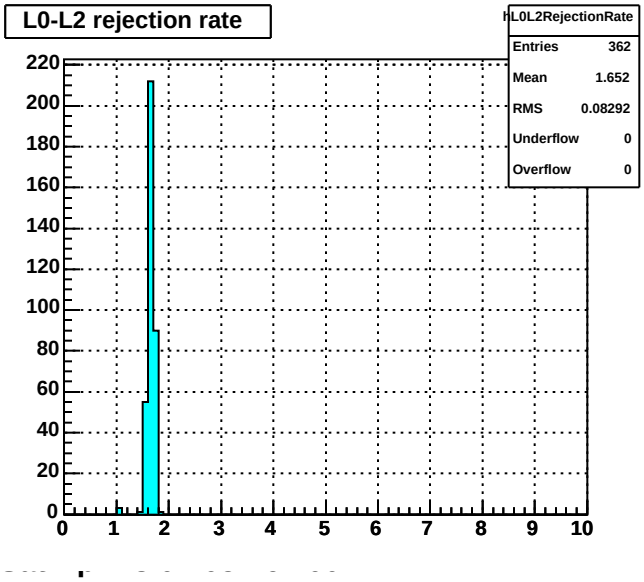

Energy of L2 cluster
hEnergyOfClusterL2
Entries 362
Mean 3.617
RMS 0.6258
Underflow 0
Overflow 0
χ² / ndf 9.517 / 14
Constant 9.564 ± 0.382
Slope -1.604 ± 0.105
E [GeV]

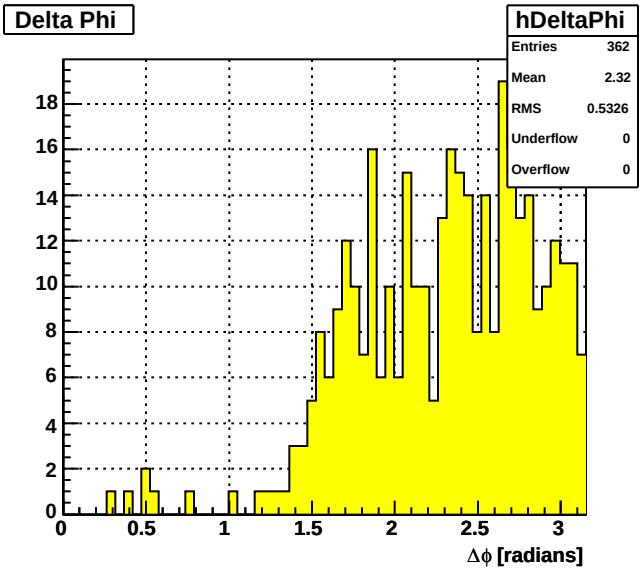

Invariant mass
hInvMass
Entries 362
Mean 9.027
RMS 1.651
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

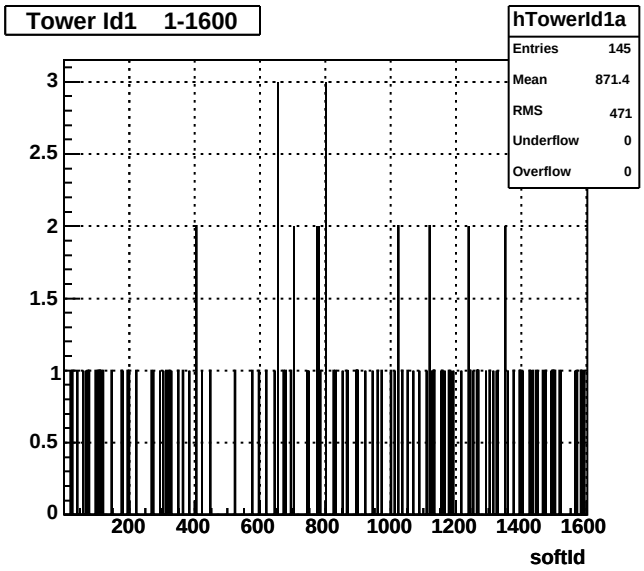

Opening angle
hCosTheta
Entries 362
Mean -0.5413
RMS 0.284
Underflow 0
Overflow 0
cos θ

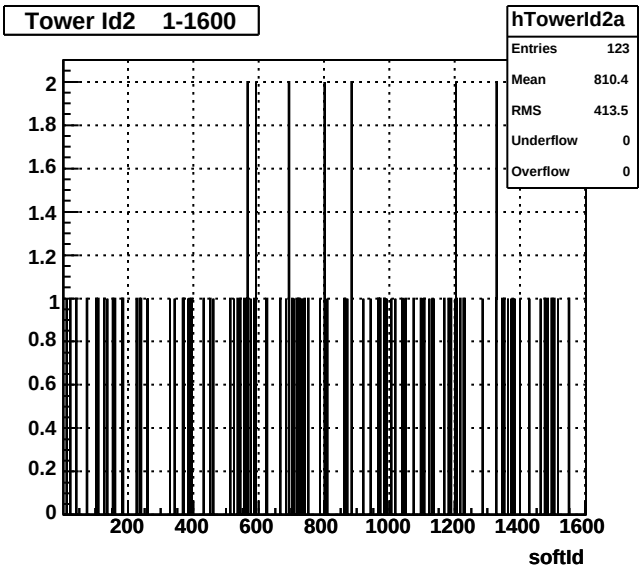

Number of hot towers
number of hot towers
events seen

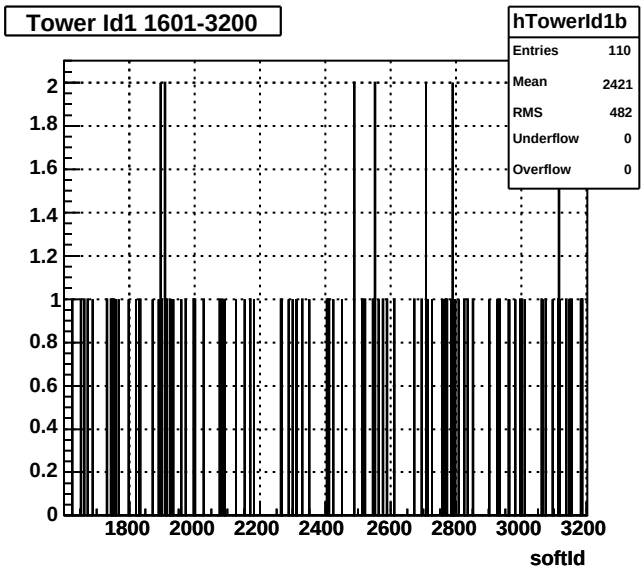

L2 processing time
hTime
Entries 362
Mean 288.2
RMS 59.72
Underflow 0
Overflow 29
time [μs]

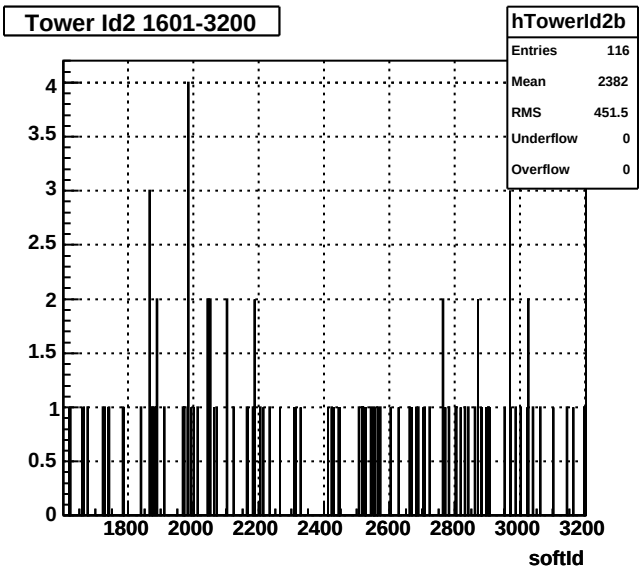

L0-L2 rejection rate
hL0L2RejectionRate
Entries 362
Mean 1.652
RMS 0.08292
Underflow 0
Overflow 0

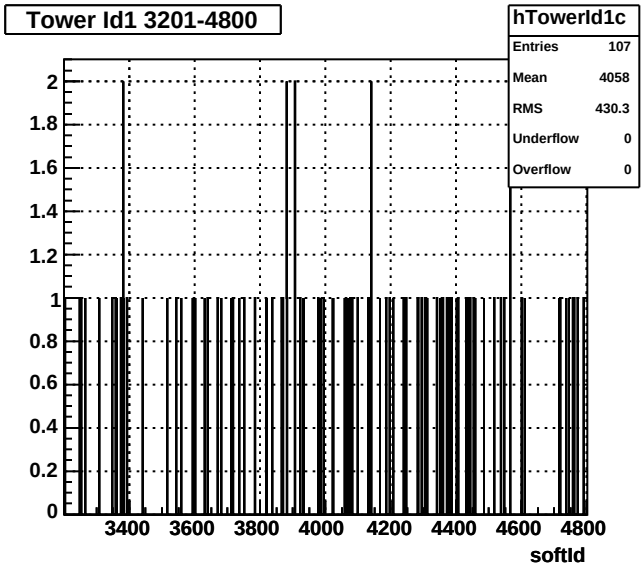

Delta Phi
hDeltaPhi
Entries 362
Mean 2.32
RMS 0.5326
Underflow 0
Overflow 0
Δφ [radians]

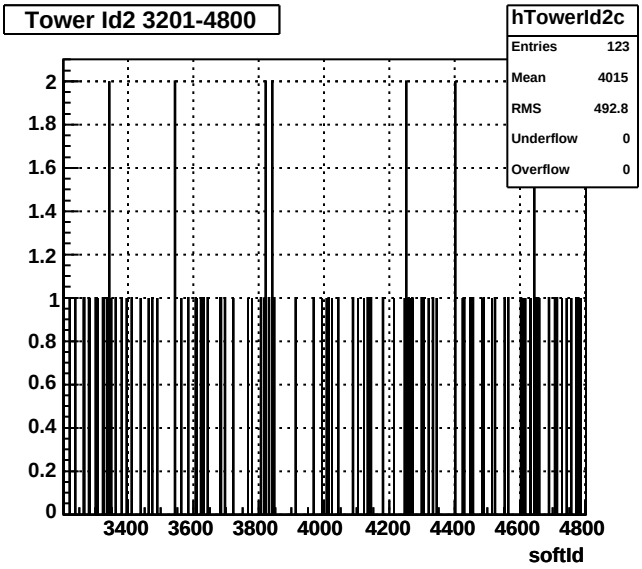

Tower Id1 1-1600
hTowerId1a
Entries 145
Mean 871.4
RMS 471
Underflow 0
Overflow 0
softId

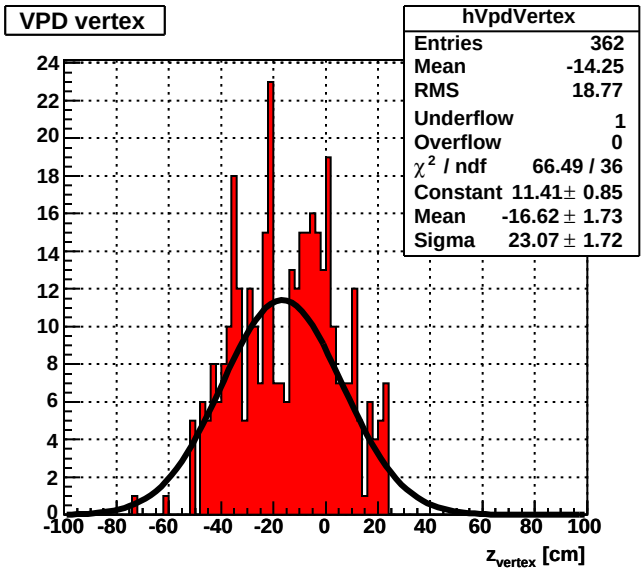

Tower Id2 1-1600
hTowerId2a
Entries 123
Mean 810.4
RMS 413.5
Underflow 0
Overflow 0
softId

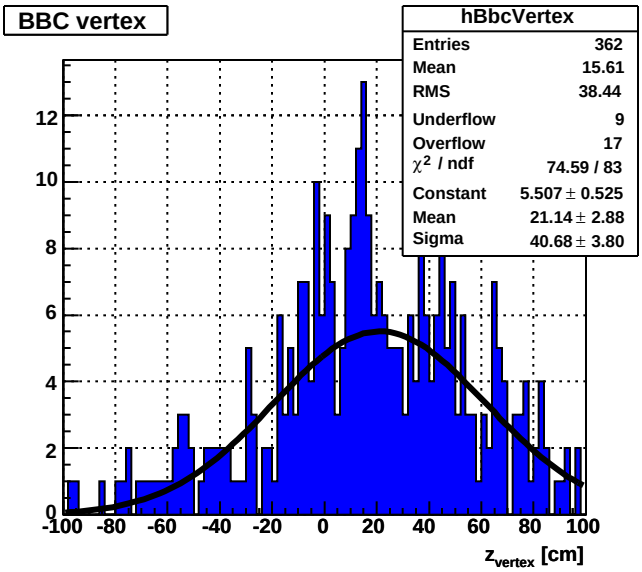

Tower Id1 1601-3200
hTowerId1b
Entries 110
Mean 2421
RMS 482
Underflow 0
Overflow 0
softId

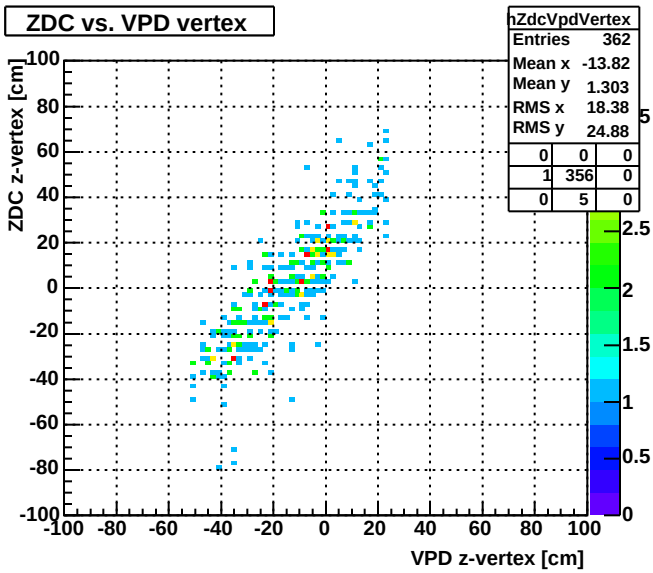

Tower Id2 1601-3200
hTowerId2b
Entries 116
Mean 2382
RMS 451.5
Underflow 0
Overflow 0
softId

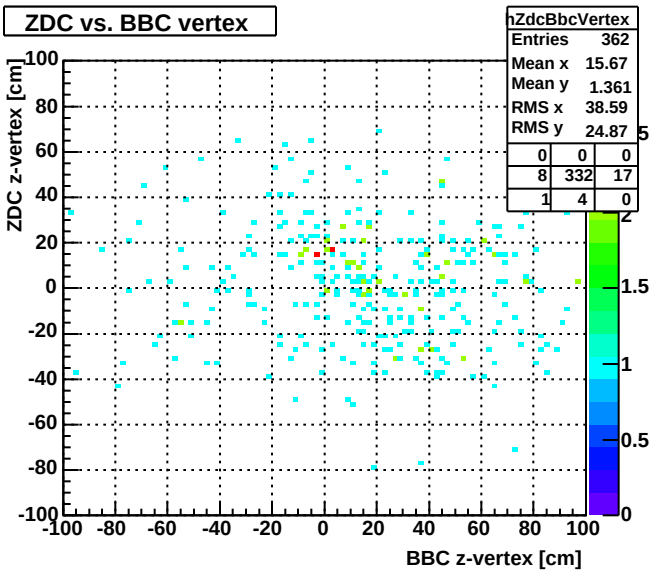

Tower Id1 3201-4800
hTowerId1c
Entries 107
Mean 4058
RMS 430.3
Underflow 0
Overflow 0
softId

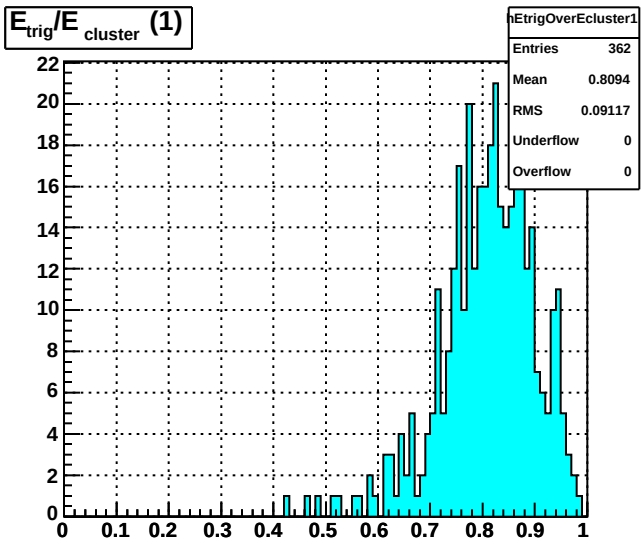

Tower Id2 3201-4800
hTowerId2c
Entries 123
Mean 4015
RMS 492.8
Underflow 0
Overflow 0
softId

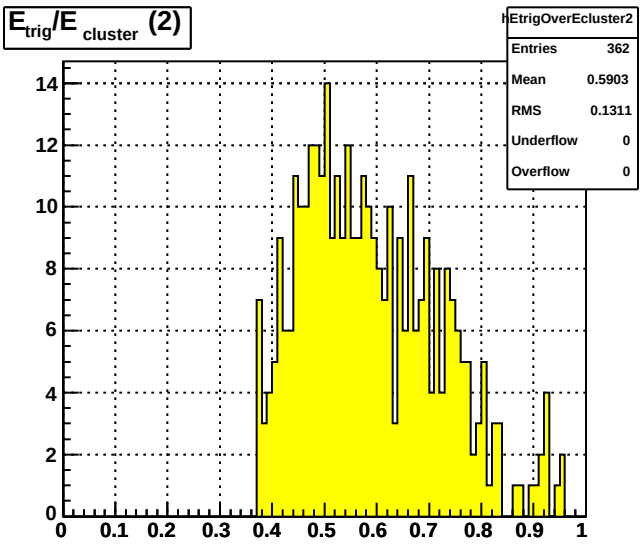

VPD vertex
hVpdVertex
Entries 362
Mean -14.25
RMS 18.77
Underflow 1
Overflow 0
χ² / ndf 66.49 / 36
Constant 11.41 ± 0.85
Mean -16.62 ± 1.73
Sigma 23.07 ± 1.72
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 362
Mean 15.61
RMS 38.44
Underflow 9
Overflow 17
χ² / ndf 74.59 / 83
Constant 5.507 ± 0.525
Mean 21.14 ± 2.88
Sigma 40.68 ± 3.80
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 362
Mean x -13.82
Mean y 1.303
RMS x 18.38
RMS y 24.88
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 362
Mean x 15.67
Mean y 1.361
RMS x 38.59
RMS y 24.87
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 362
Mean 0.8094
RMS 0.09117
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 362
Mean 0.5903
RMS 0.1311
Underflow 0
Overflow 0