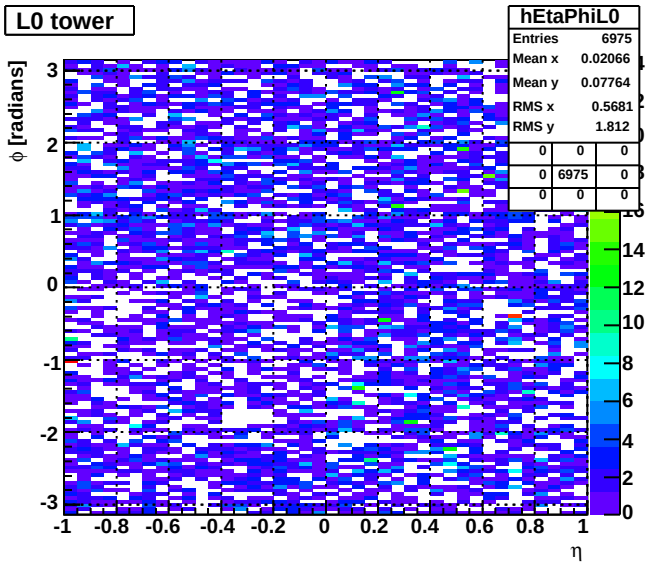
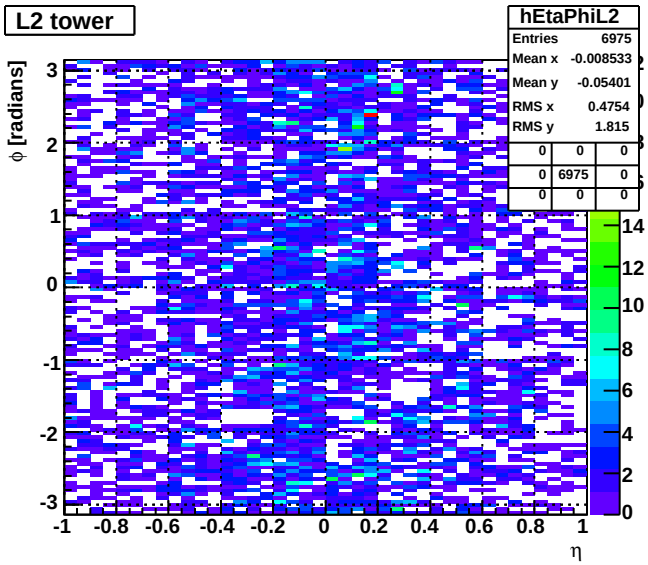
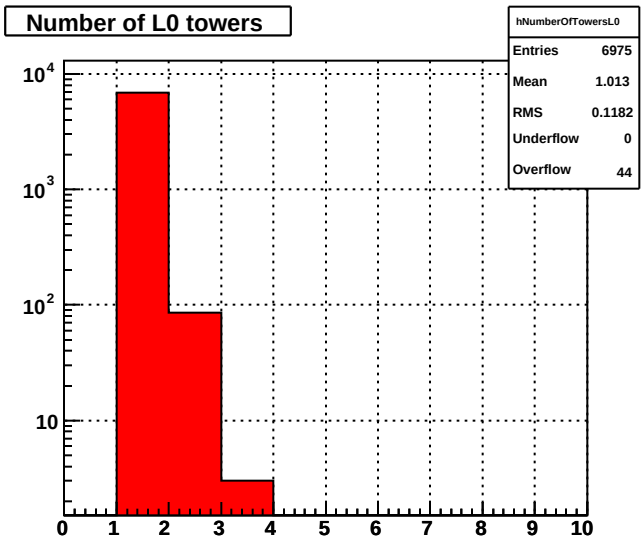
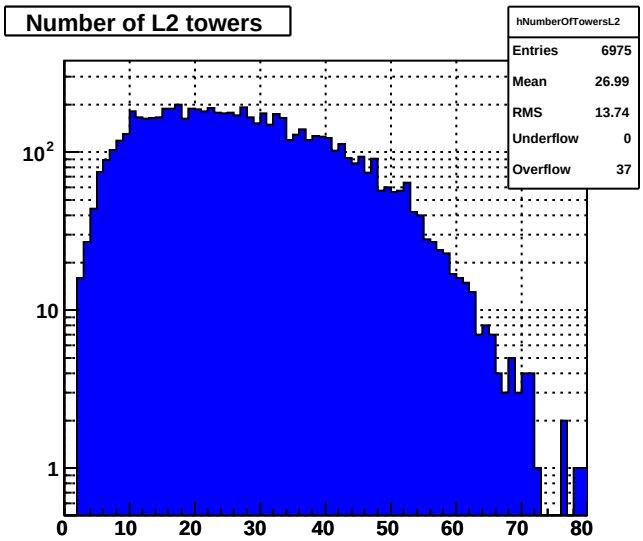
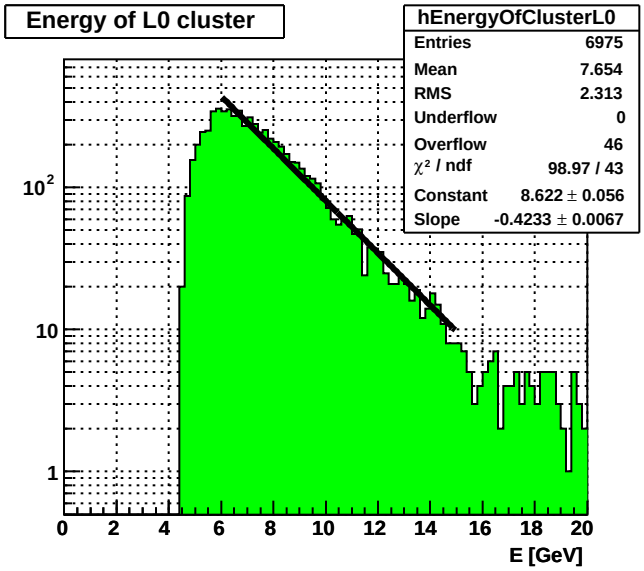
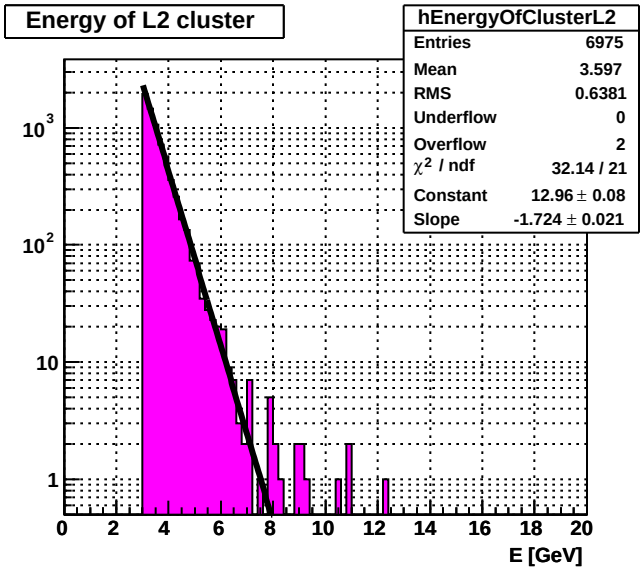

L0 tower
hEtaPhiL0
Entries 6975
Mean x 0.02066
Mean y 0.07764
RMS x 0.5681
RMS y 1.812
φ [radians]
η

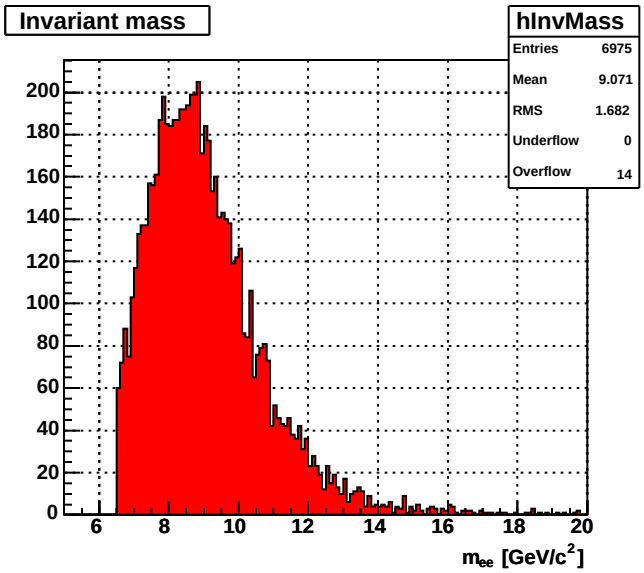

L2 tower
hEtaPhiL2
Entries 6975
Mean x -0.008533
Mean y -0.05401
RMS x 0.4754
RMS y 1.815
φ [radians]
η

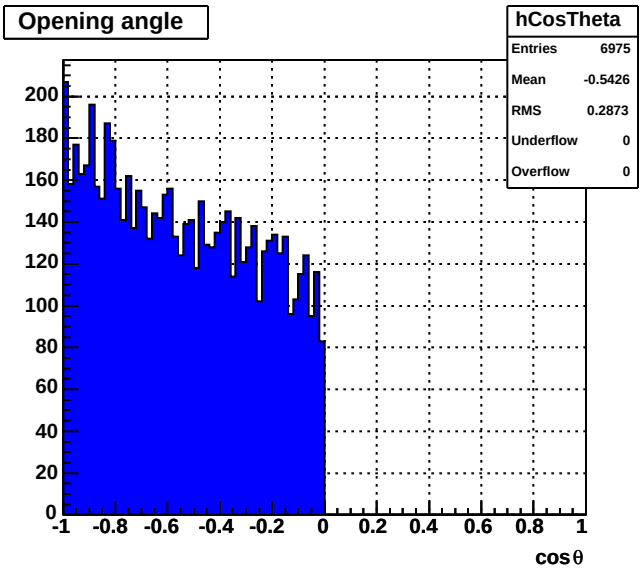

Number of L0 towers
hNumberOfTowersL0
Entries 6975
Mean 1.013
RMS 0.1182
Underflow 0
Overflow 44

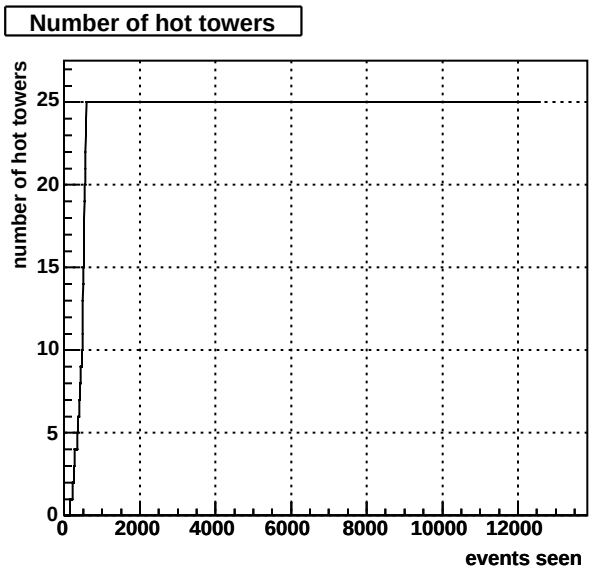

Number of L2 towers
hNumberOfTowersL2
Entries 6975
Mean 26.99
RMS 13.74
Underflow 0
Overflow 37

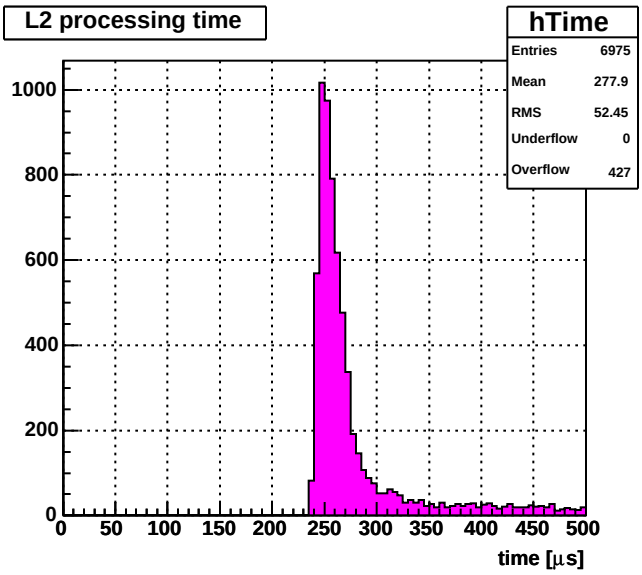

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6975
Mean 7.654
RMS 2.313
Underflow 0
Overflow 46
χ² / ndf 98.97 / 43
Constant 8.622 ± 0.056
Slope -0.4233 ± 0.0067
E [GeV]

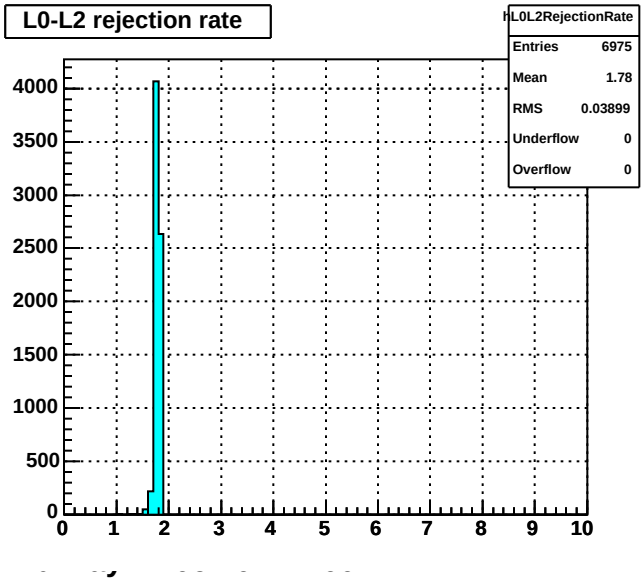

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6975
Mean 3.597
RMS 0.6381
Underflow 0
Overflow 2
χ² / ndf 32.14 / 21
Constant 12.96 ± 0.08
Slope -1.724 ± 0.021
E [GeV]

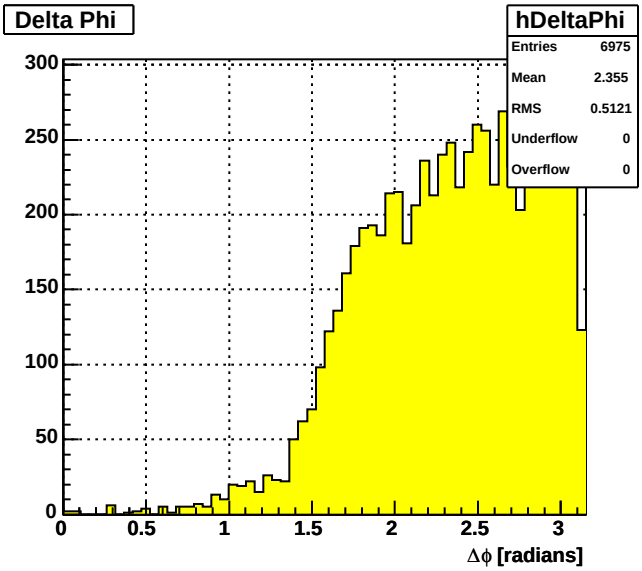

Invariant mass
hInvMass
Entries 6975
Mean 9.071
RMS 1.682
Underflow 0
Overflow 14
m_{ee} [GeV/c^2]

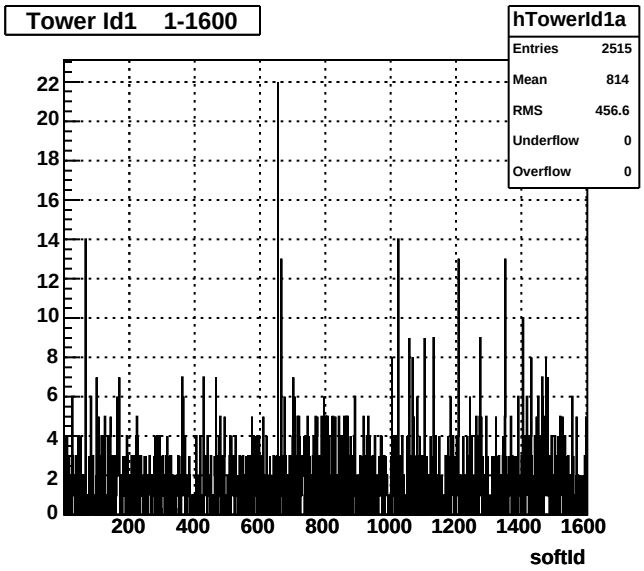

Opening angle
hCosTheta
Entries 6975
Mean -0.5426
RMS 0.2873
Underflow 0
Overflow 0
cos θ

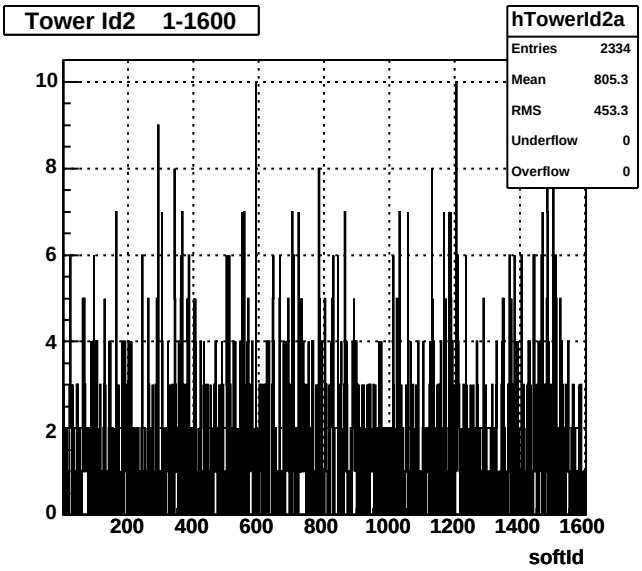

Number of hot towers
number of hot towers
events seen

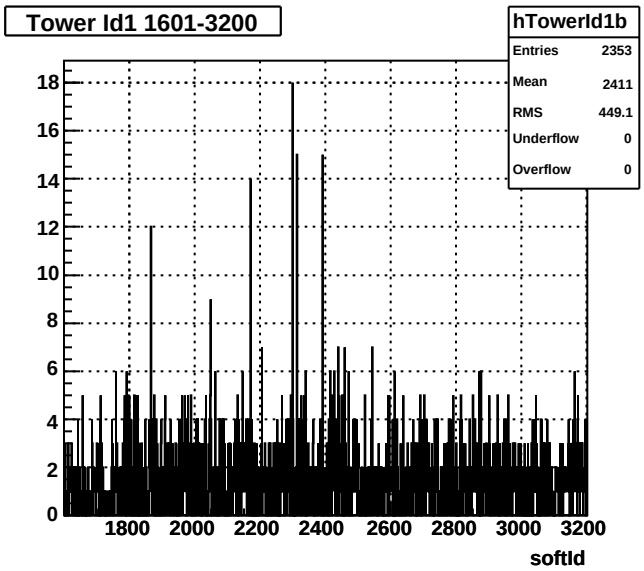

L2 processing time
hTime
Entries 6975
Mean 277.9
RMS 52.45
Underflow 0
Overflow 427
time [μs]

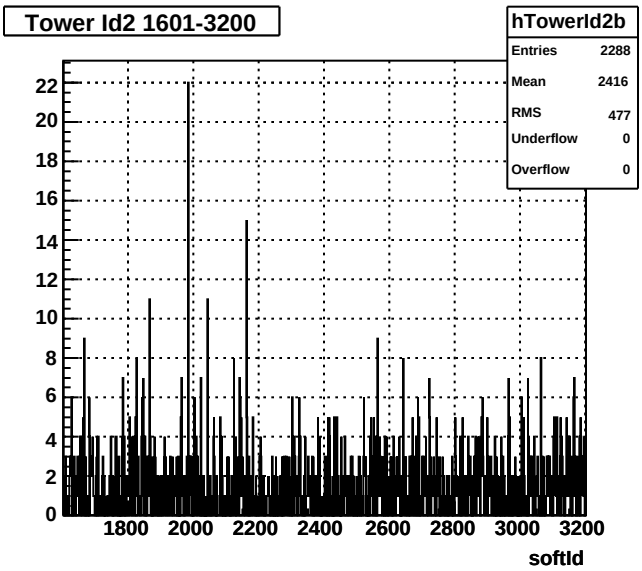

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6975
Mean 1.78
RMS 0.03899
Underflow 0
Overflow 0

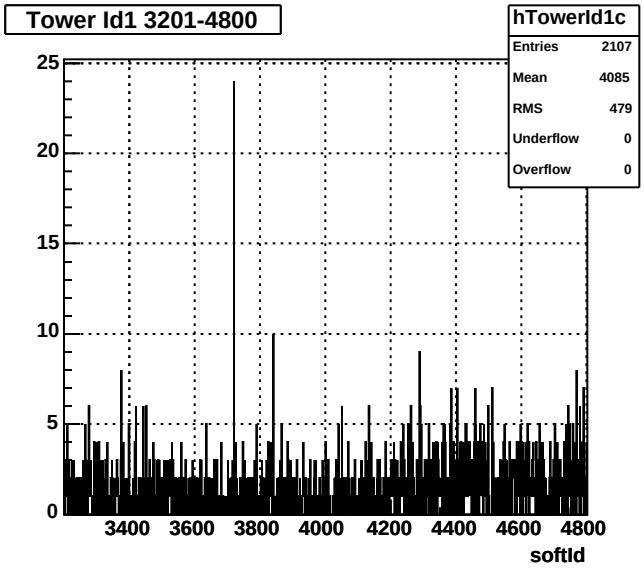

Delta Phi
hDeltaPhi
Entries 6975
Mean 2.355
RMS 0.5121
Underflow 0
Overflow 0
Δφ [radians]

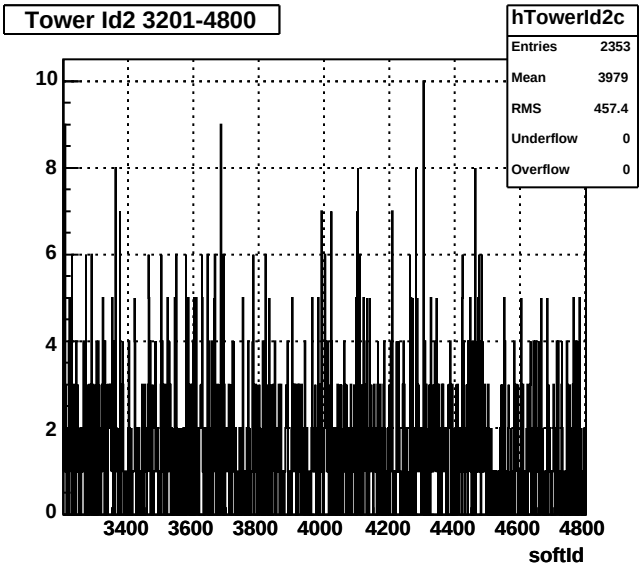

Tower Id1 1-1600
hTowerId1a
Entries 2515
Mean 814
RMS 456.6
Underflow 0
Overflow 0
softId

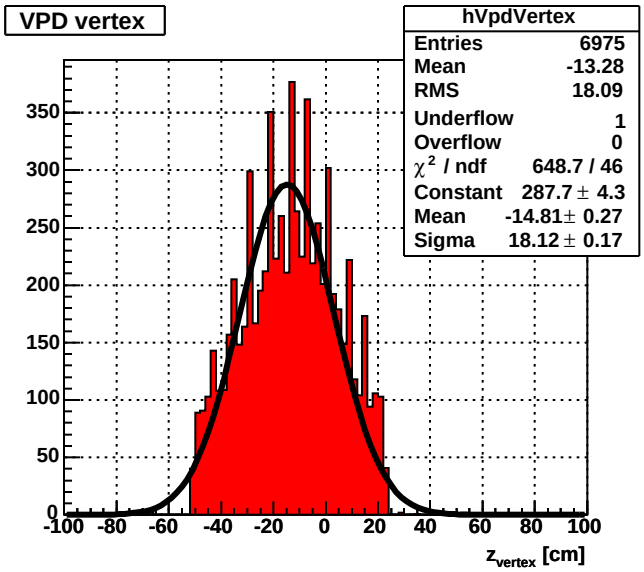

Tower Id2 1-1600
hTowerId2a
Entries 2334
Mean 805.3
RMS 453.3
Underflow 0
Overflow 0
softId

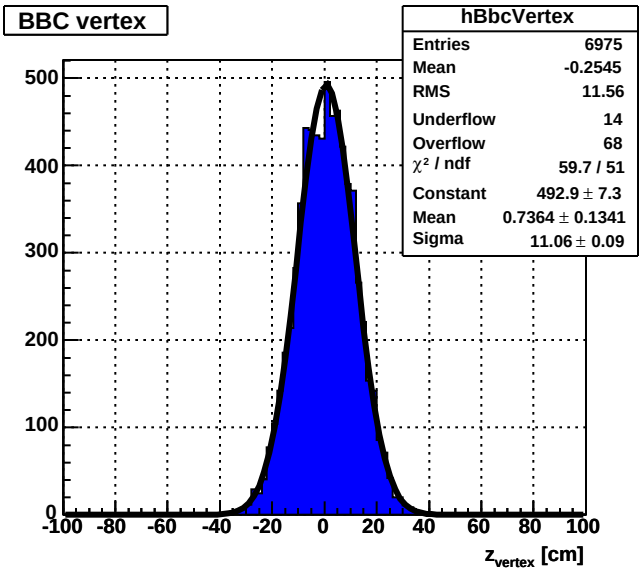

Tower Id1 1601-3200
hTowerId1b
Entries 2353
Mean 2411
RMS 449.1
Underflow 0
Overflow 0
softId

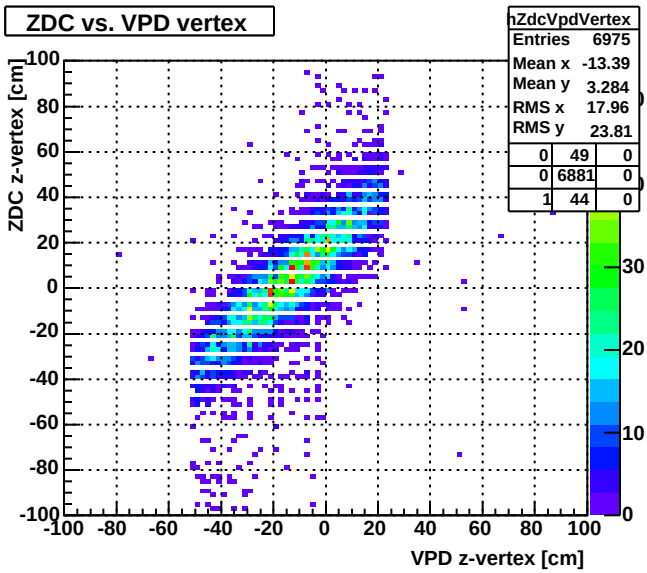

Tower Id2 1601-3200
hTowerId2b
Entries 2288
Mean 2416
RMS 477
Underflow 0
Overflow 0
softId

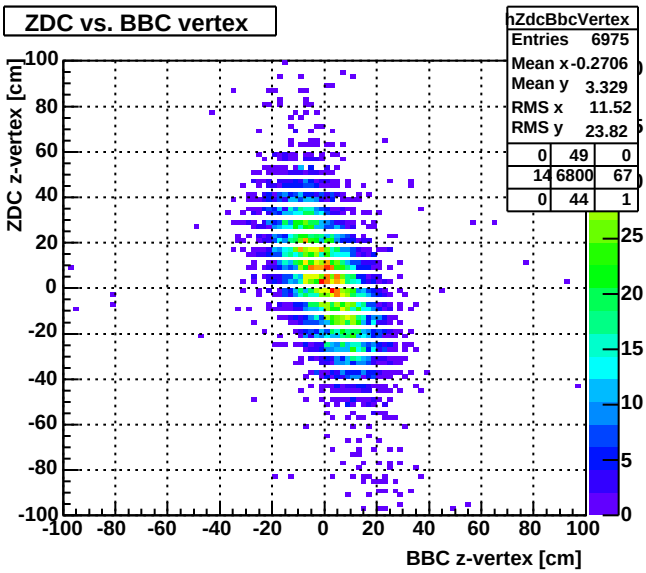

Tower Id1 3201-4800
hTowerId1c
Entries 2107
Mean 4085
RMS 479
Underflow 0
Overflow 0
softId

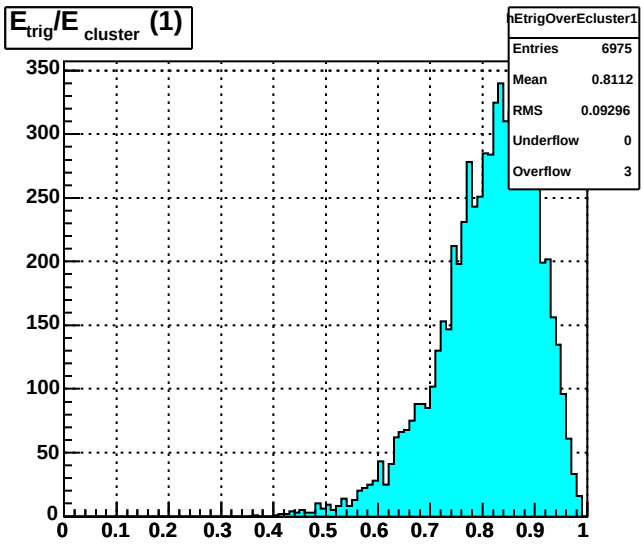

Tower Id2 3201-4800
hTowerId2c
Entries 2353
Mean 3979
RMS 457.4
Underflow 0
Overflow 0
softId

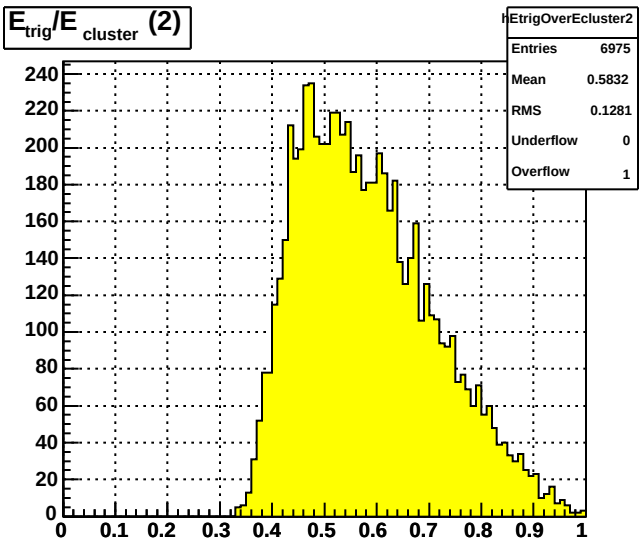

VPD vertex
hVpdVertex
Entries 6975
Mean -13.28
RMS 18.09
Underflow 1
Overflow 0
χ² / ndf 648.7 / 46
Constant 287.7 ± 4.3
Mean -14.81 ± 0.27
Sigma 18.12 ± 0.17
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6975
Mean -0.2545
RMS 11.56
Underflow 14
Overflow 68
χ² / ndf 59.7 / 51
Constant 492.9 ± 7.3
Mean 0.7364 ± 0.1341
Sigma 11.06 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6975
Mean x -13.39
Mean y 3.284
RMS x 17.96
RMS y 23.81
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6975
Mean x -0.2706
Mean y 3.329
RMS x 11.52
RMS y 23.82
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6975
Mean 0.8112
RMS 0.09296
Underflow 0
Overflow 3


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6975
Mean 0.5832
RMS 0.1281
Underflow 0
Overflow 1