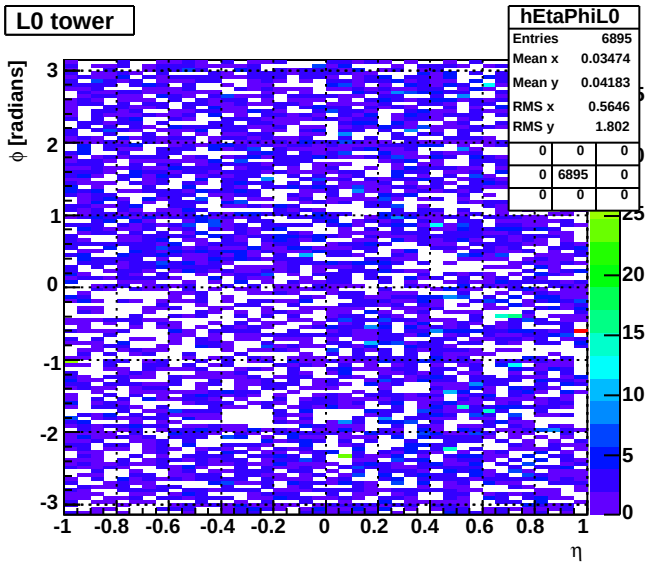
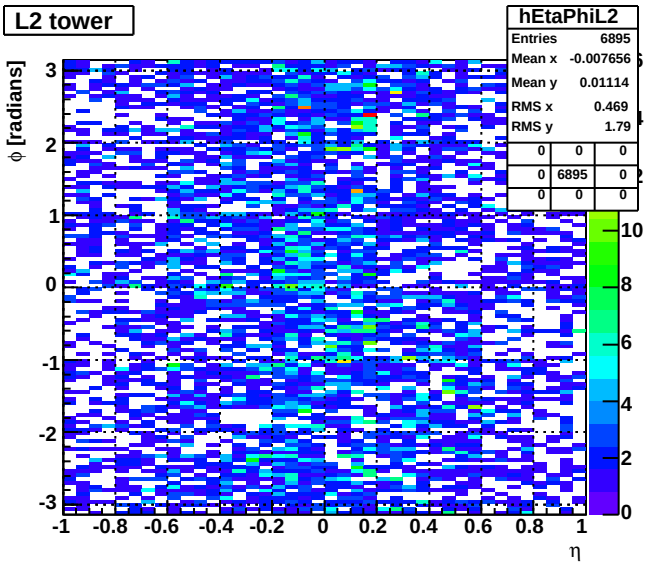
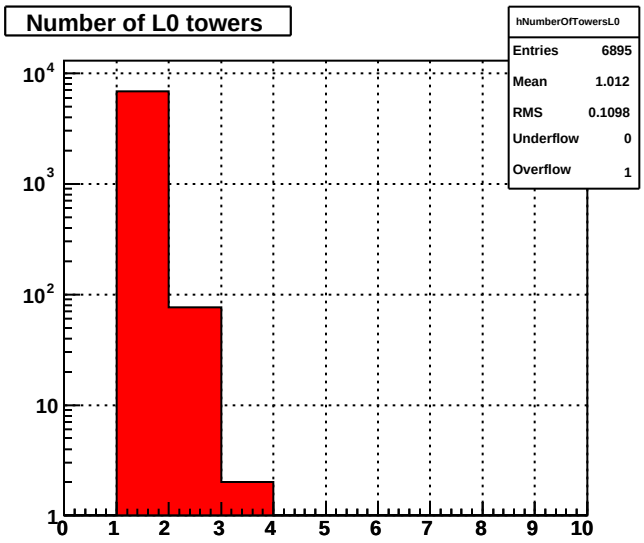
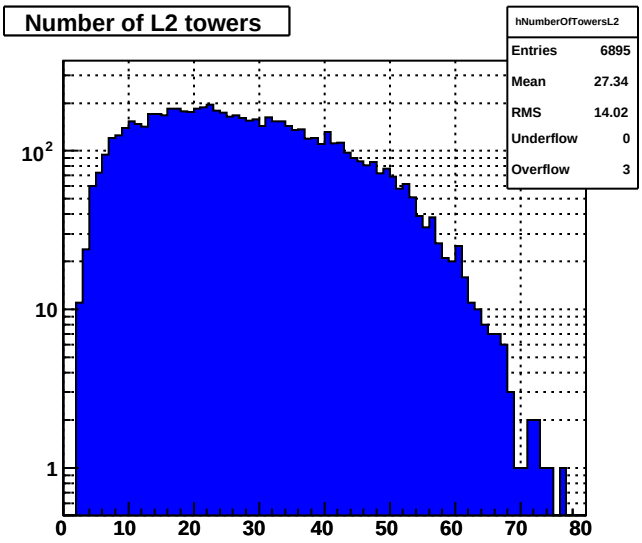
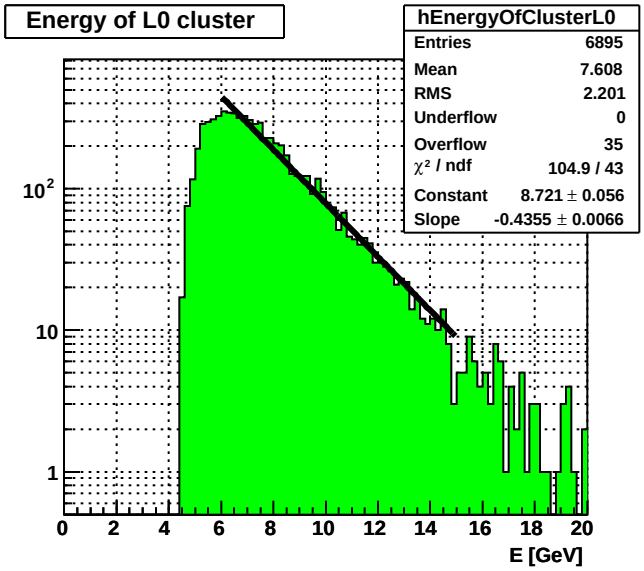
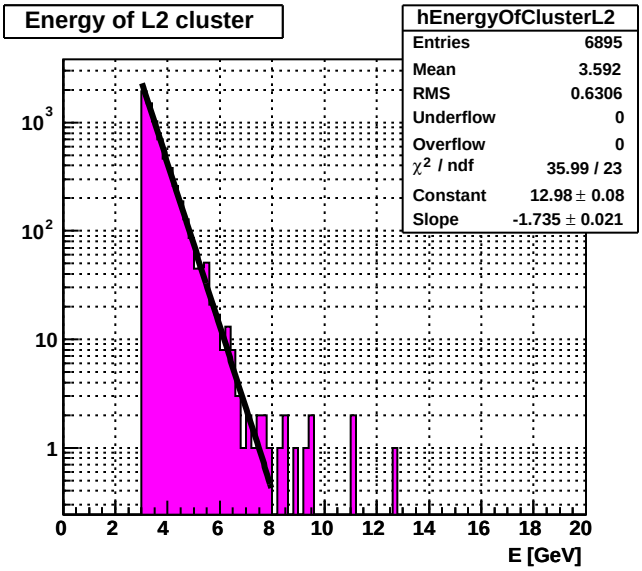

L0 tower
hEtaPhiL0
Entries 6895
Mean x 0.03474
Mean y 0.04183
RMS x 0.5646
RMS y 1.802
φ [radians]
η

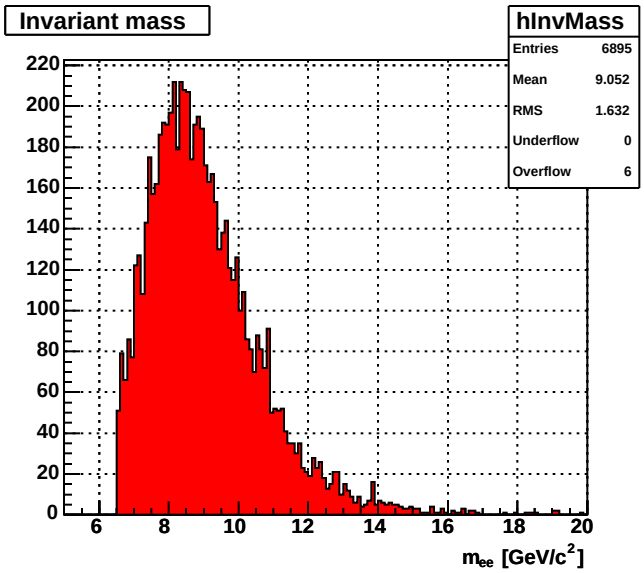

L2 tower
hEtaPhiL2
Entries 6895
Mean x -0.007656
Mean y 0.01114
RMS x 0.469
RMS y 1.79
φ [radians]
η

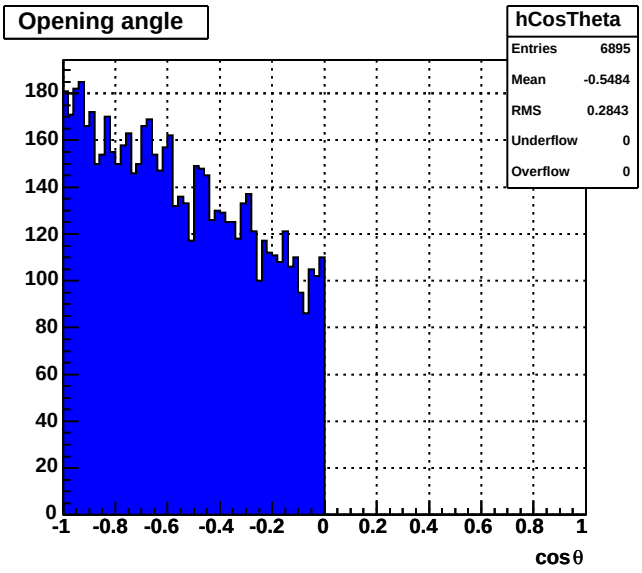

Number of L0 towers
hNumberOfTowersL0
Entries 6895
Mean 1.012
RMS 0.1098
Underflow 0
Overflow 1

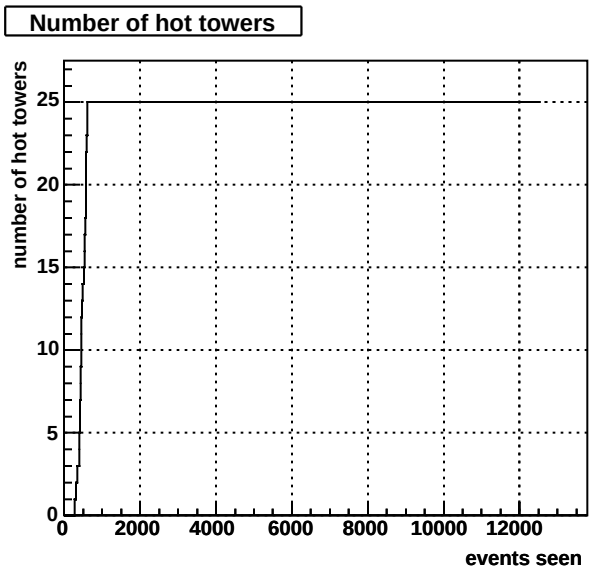

Number of L2 towers
hNumberOfTowersL2
Entries 6895
Mean 27.34
RMS 14.02
Underflow 0
Overflow 3

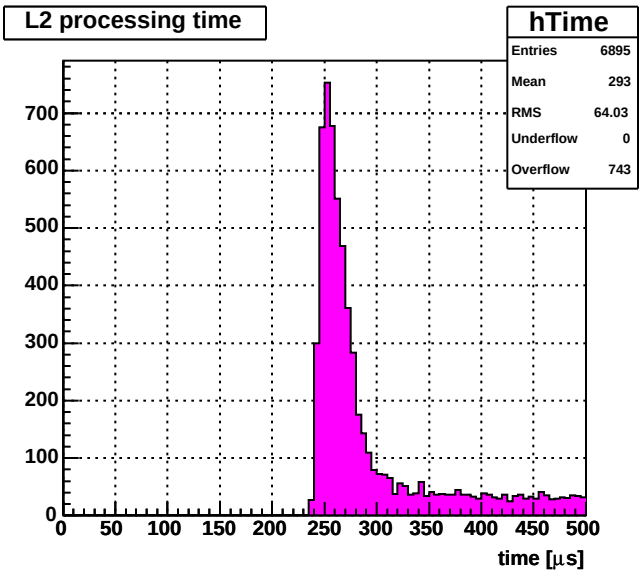

Energy of L0 cluster
hEnergyOfClusterL0
Entries 6895
Mean 7.608
RMS 2.201
Underflow 0
Overflow 35
χ² / ndf 104.9 / 43
Constant 8.721 ± 0.056
Slope -0.4355 ± 0.0066
E [GeV]

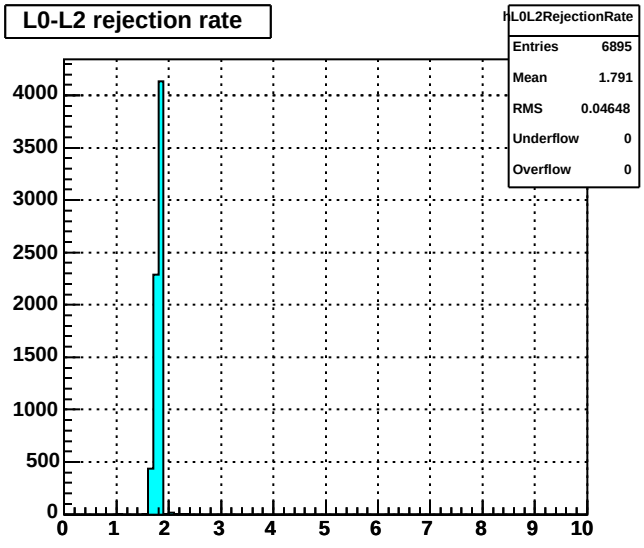

Energy of L2 cluster
hEnergyOfClusterL2
Entries 6895
Mean 3.592
RMS 0.6306
Underflow 0
Overflow 0
χ² / ndf 35.99 / 23
Constant 12.98 ± 0.08
Slope -1.735 ± 0.021
E [GeV]

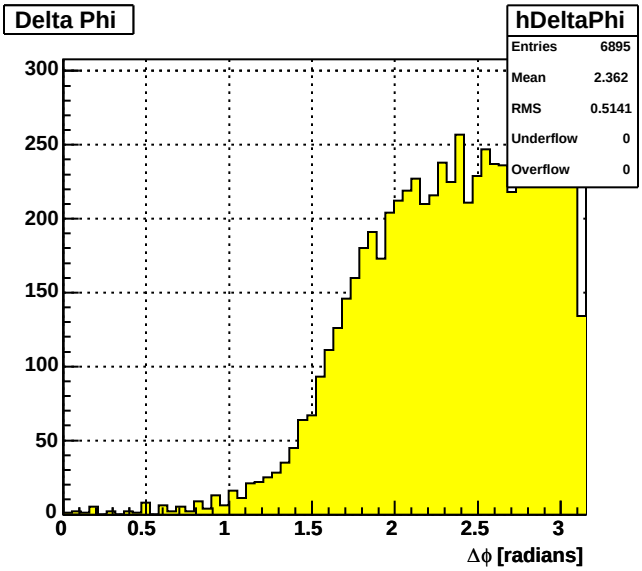

Invariant mass
hInvMass
Entries 6895
Mean 9.052
RMS 1.632
Underflow 0
Overflow 6
m_{ee} [GeV/c^2]

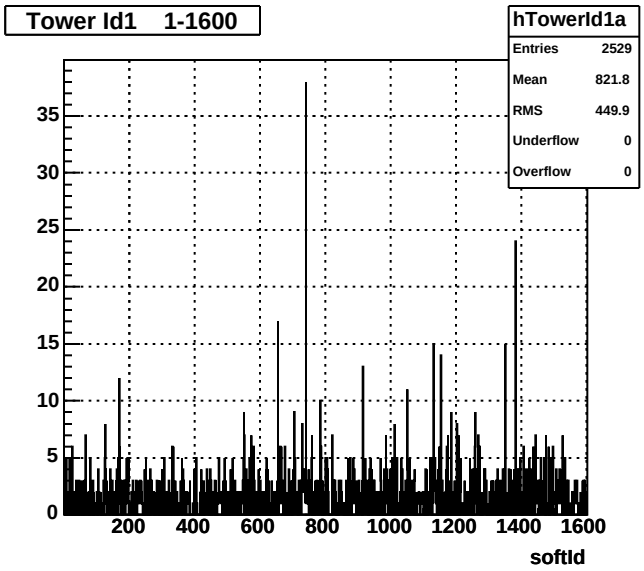

Opening angle
hCosTheta
Entries 6895
Mean -0.5484
RMS 0.2843
Underflow 0
Overflow 0
cos θ

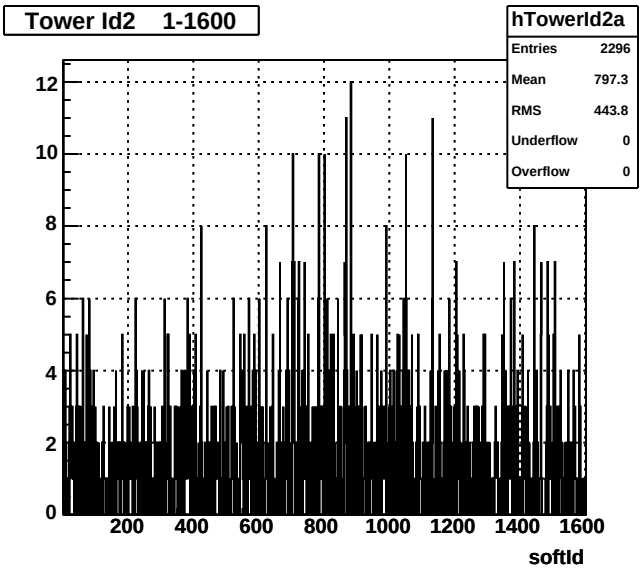

Number of hot towers
number of hot towers
events seen

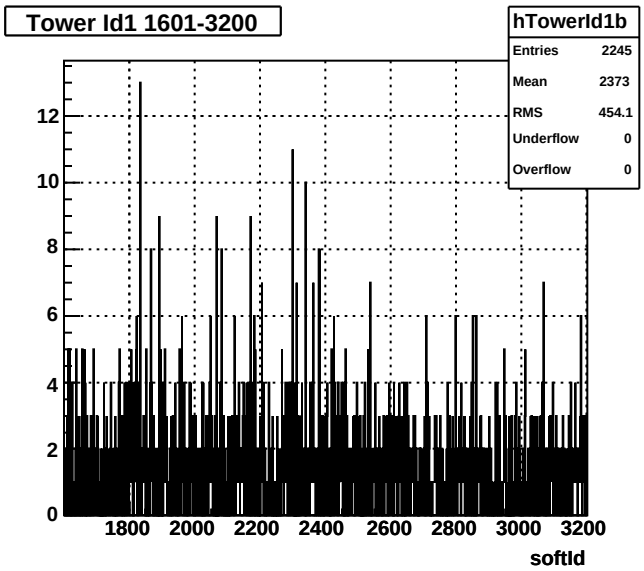

L2 processing time
hTime
Entries 6895
Mean 293
RMS 64.03
Underflow 0
Overflow 743
time [μs]

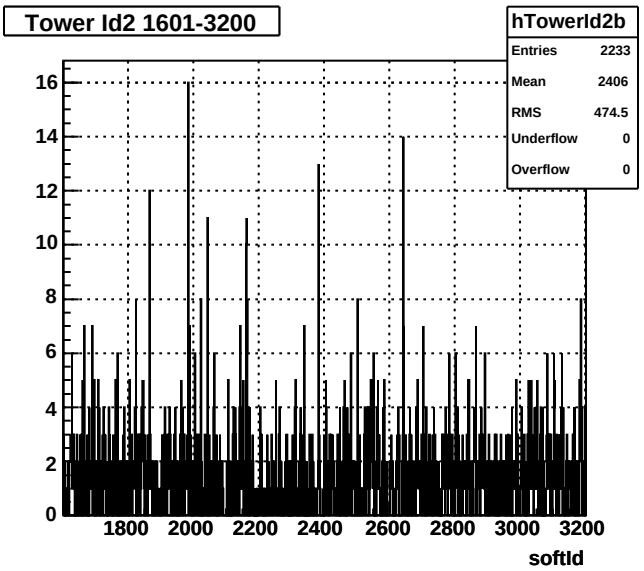

L0-L2 rejection rate
hL0L2RejectionRate
Entries 6895
Mean 1.791
RMS 0.04648
Underflow 0
Overflow 0

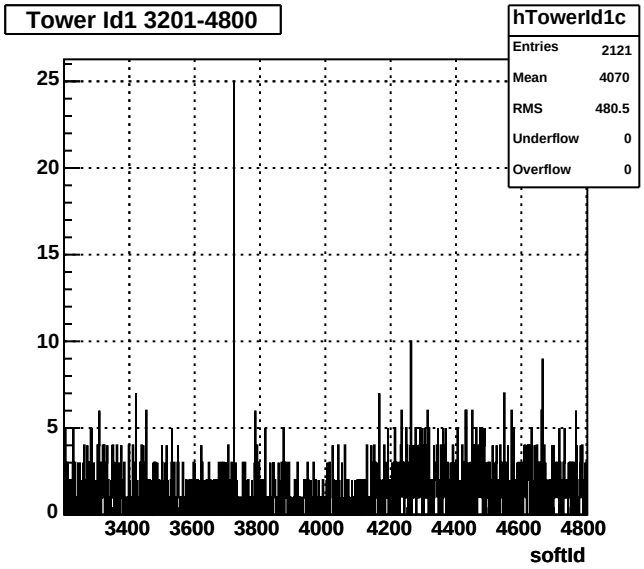

Delta Phi
hDeltaPhi
Entries 6895
Mean 2.362
RMS 0.5141
Underflow 0
Overflow 0
Δφ [radians]

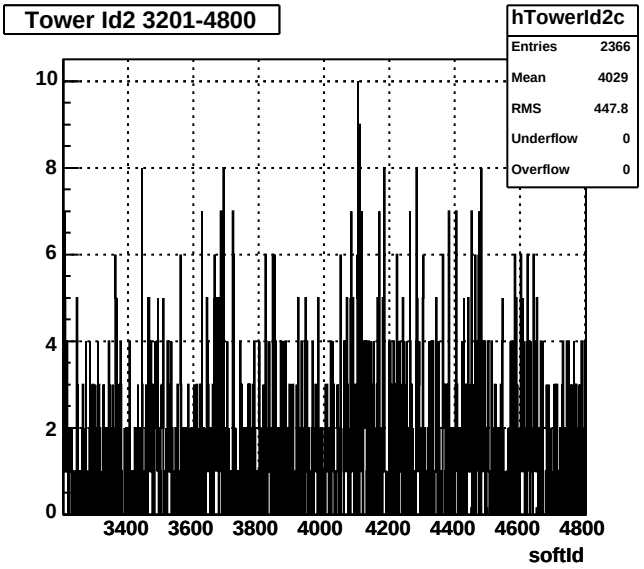

Tower Id1 1-1600
hTowerId1a
Entries 2529
Mean 821.8
RMS 449.9
Underflow 0
Overflow 0
softId

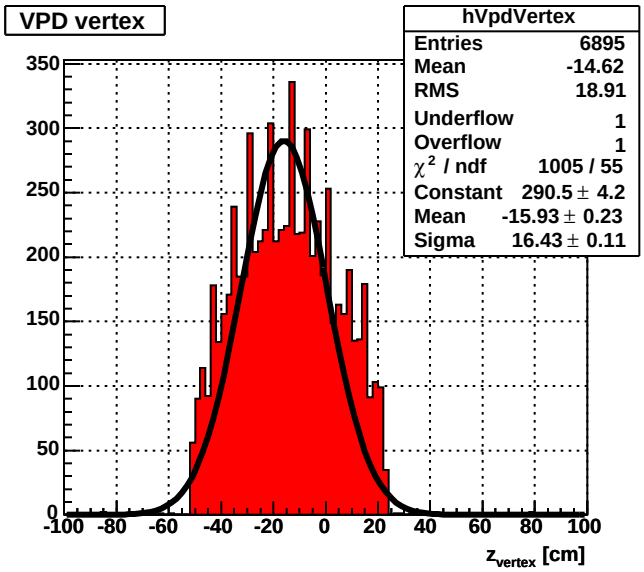

Tower Id2 1-1600
hTowerId2a
Entries 2296
Mean 797.3
RMS 443.8
Underflow 0
Overflow 0
softId

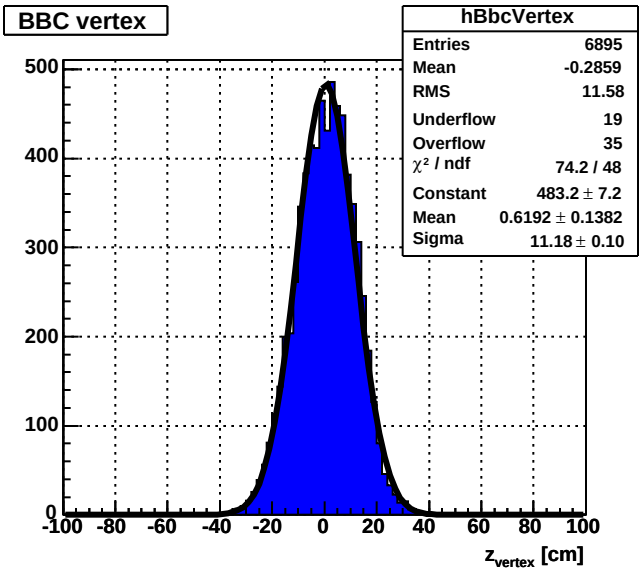

Tower Id1 1601-3200
hTowerId1b
Entries 2245
Mean 2373
RMS 454.1
Underflow 0
Overflow 0
softId

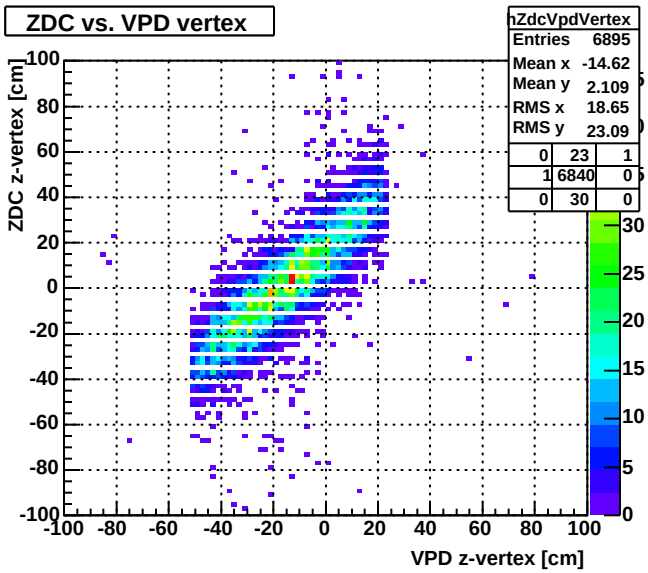

Tower Id2 1601-3200
hTowerId2b
Entries 2233
Mean 2406
RMS 474.5
Underflow 0
Overflow 0
softId

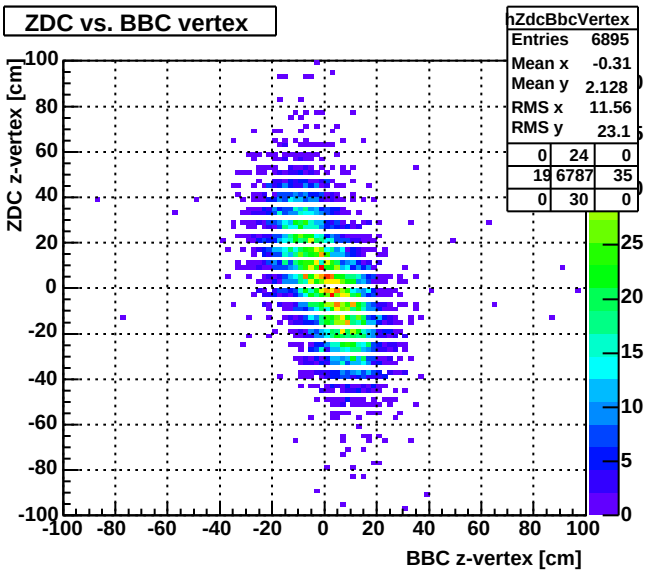

Tower Id1 3201-4800
hTowerId1c
Entries 2121
Mean 4070
RMS 480.5
Underflow 0
Overflow 0
softId

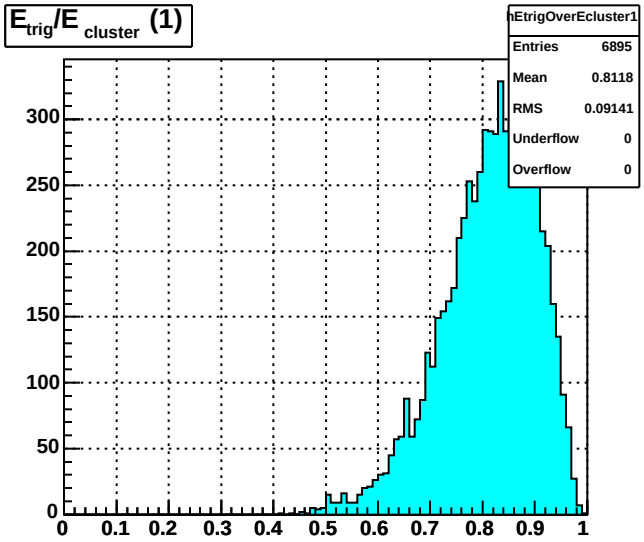

Tower Id2 3201-4800
hTowerId2c
Entries 2366
Mean 4029
RMS 447.8
Underflow 0
Overflow 0
softId

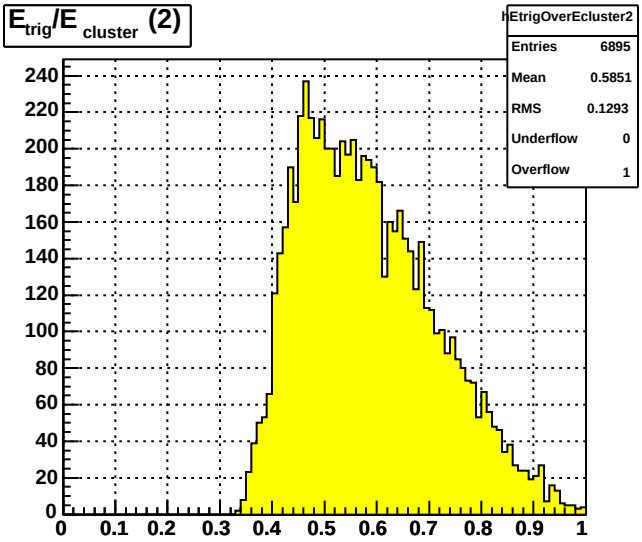

VPD vertex
hVpdVertex
Entries 6895
Mean -14.62
RMS 18.91
Underflow 1
Overflow 1
χ² / ndf 1005 / 55
Constant 290.5 ± 4.2
Mean -15.93 ± 0.23
Sigma 16.43 ± 0.11
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 6895
Mean -0.2859
RMS 11.58
Underflow 19
Overflow 35
χ² / ndf 74.2 / 48
Constant 483.2 ± 7.2
Mean 0.6192 ± 0.1382
Sigma 11.18 ± 0.10
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 6895
Mean x -14.62
Mean y 2.109
RMS x 18.65
RMS y 23.09
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 6895
Mean x -0.31
Mean y 2.128
RMS x 11.56
RMS y 23.1
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 6895
Mean 0.8118
RMS 0.09141
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 6895
Mean 0.5851
RMS 0.1293
Underflow 0
Overflow 1