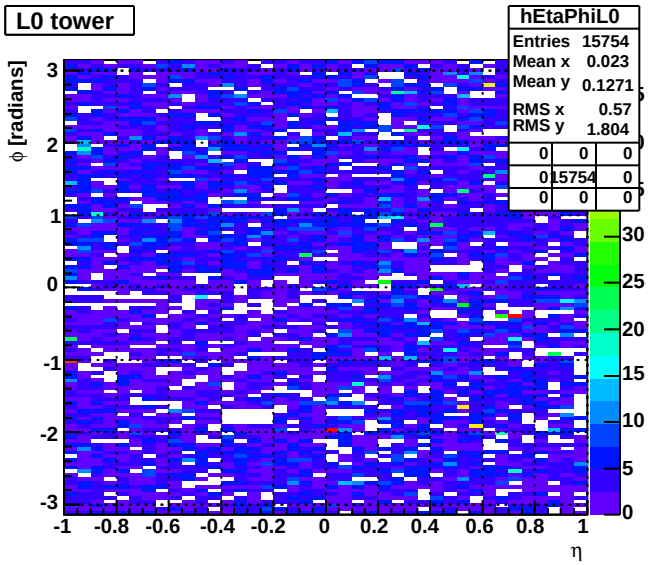
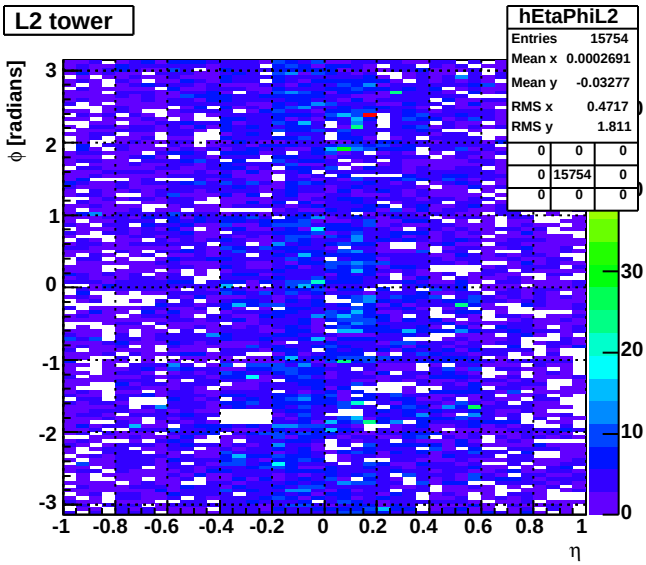
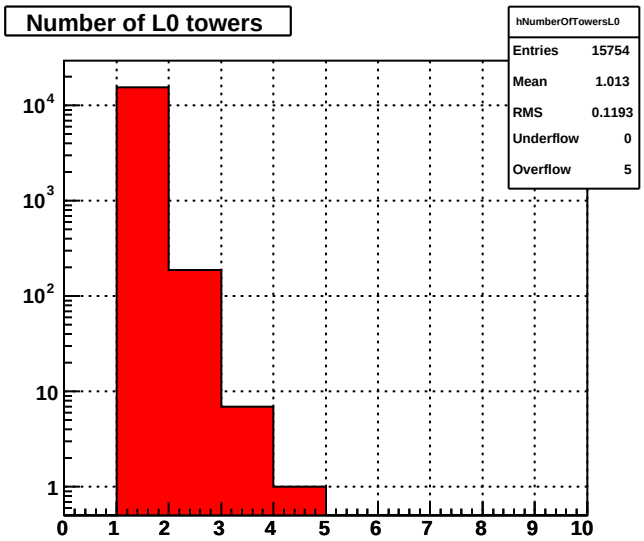
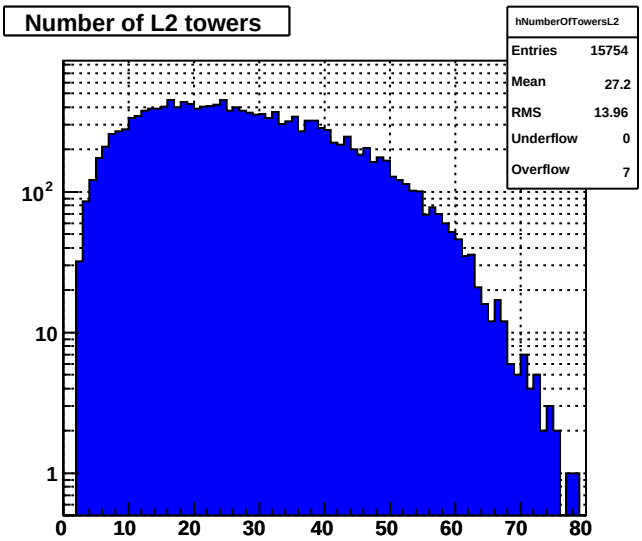
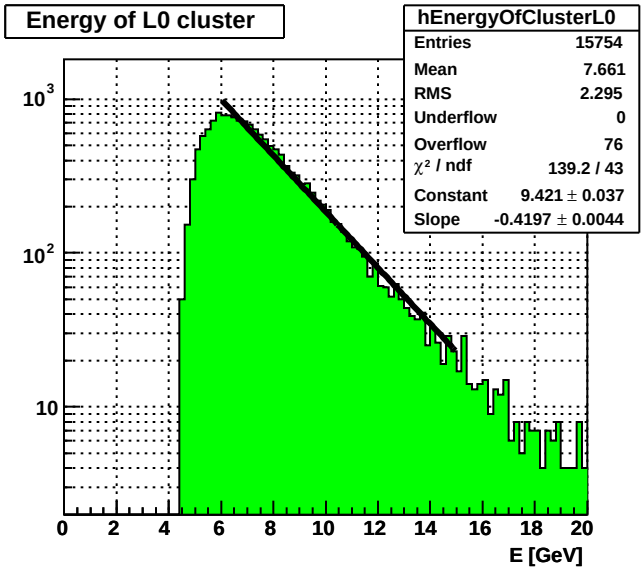
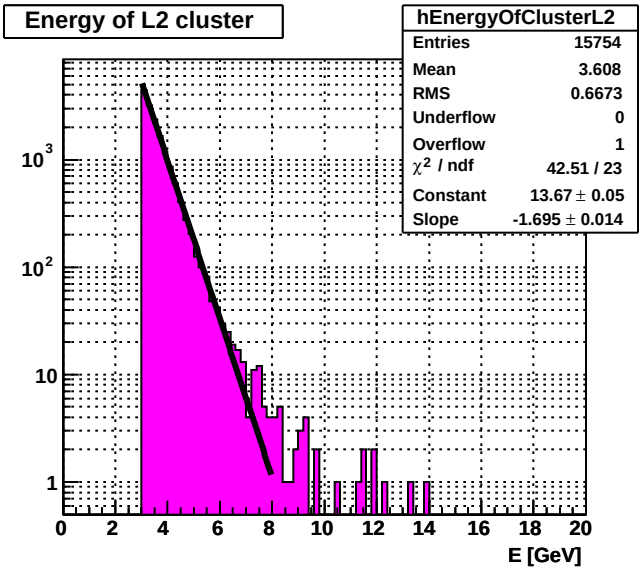

L0 tower
hEtaPhiL0
Entries 15754
Mean x 0.023
Mean y 0.1271
RMS x 0.57
RMS y 1.804
φ [radians]
η

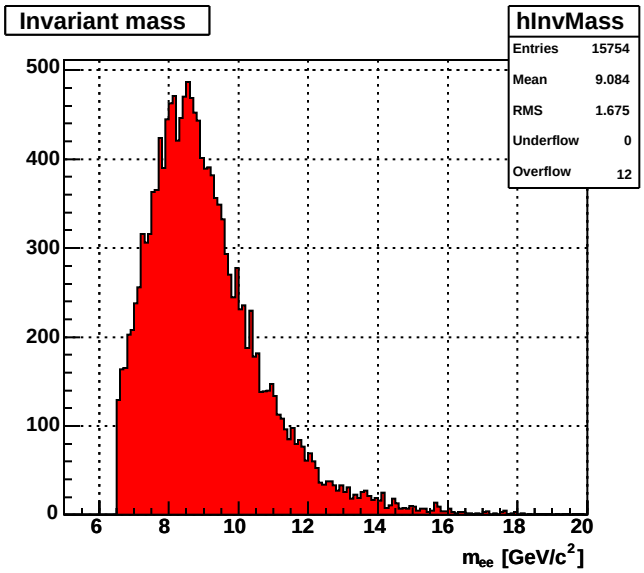

L2 tower
hEtaPhiL2
Entries 15754
Mean x 0.0002691
Mean y -0.03277
RMS x 0.4717
RMS y 1.811
φ [radians]
η

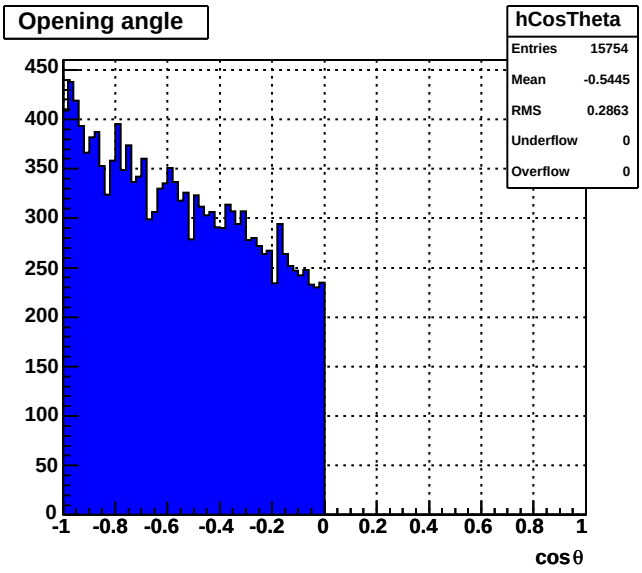

Number of L0 towers
hNumberOfTowersL0
Entries 15754
Mean 1.013
RMS 0.1193
Underflow 0
Overflow 5

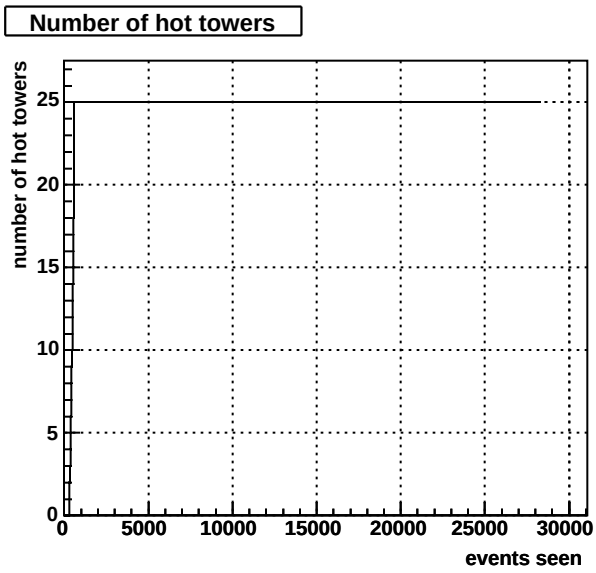

Number of L2 towers
hNumberOfTowersL2
Entries 15754
Mean 27.2
RMS 13.96
Underflow 0
Overflow 7

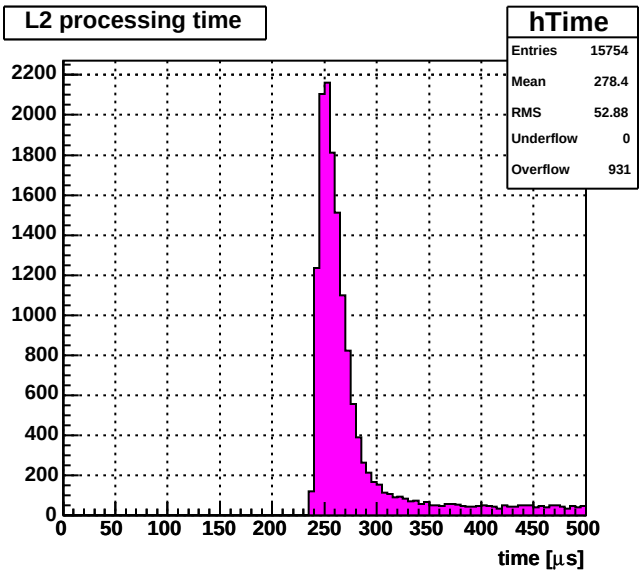

Energy of L0 cluster
hEnergyOfClusterL0
Entries 15754
Mean 7.661
RMS 2.295
Underflow 0
Overflow 76
χ² / ndf 139.2 / 43
Constant 9.421 ± 0.037
Slope -0.4197 ± 0.0044
E [GeV]

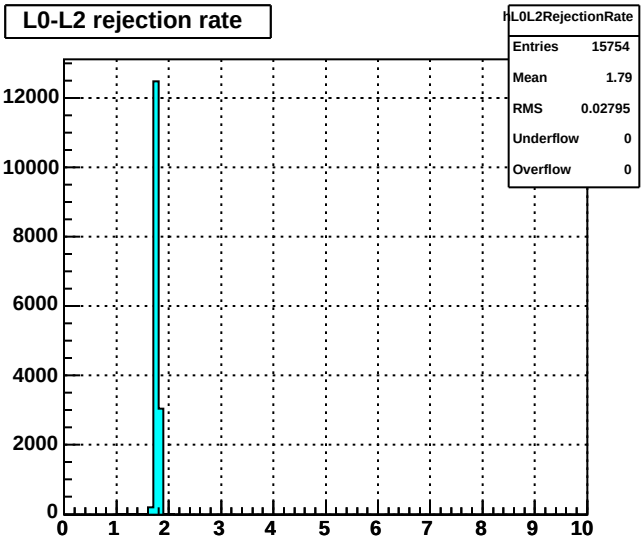

Energy of L2 cluster
hEnergyOfClusterL2
Entries 15754
Mean 3.608
RMS 0.6673
Underflow 0
Overflow 1
χ² / ndf 42.51 / 23
Constant 13.67 ± 0.05
Slope -1.695 ± 0.014
E [GeV]

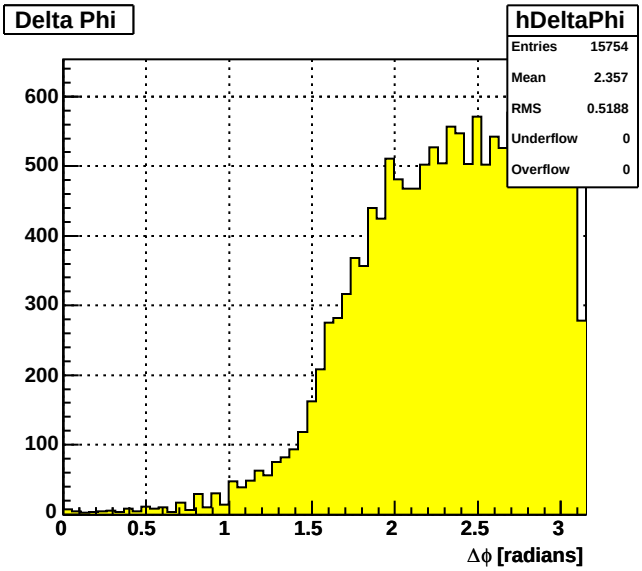

Invariant mass
hInvMass
Entries 15754
Mean 9.084
RMS 1.675
Underflow 0
Overflow 12
m_{ee} [GeV/c^2]

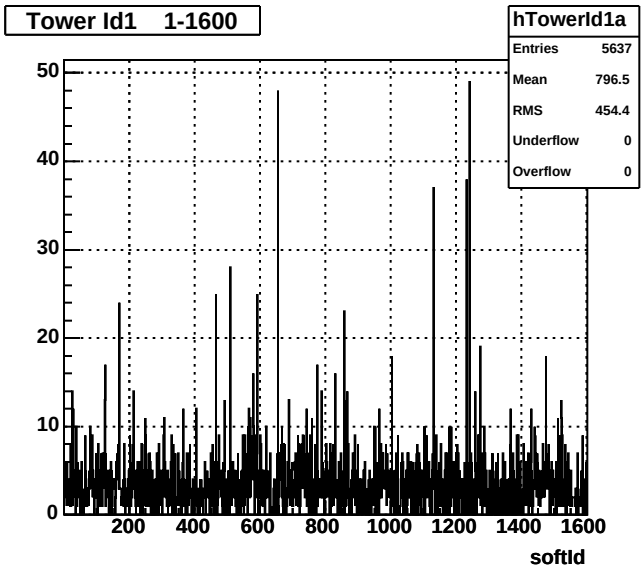

Opening angle
hCosTheta
Entries 15754
Mean -0.5445
RMS 0.2863
Underflow 0
Overflow 0
cos θ

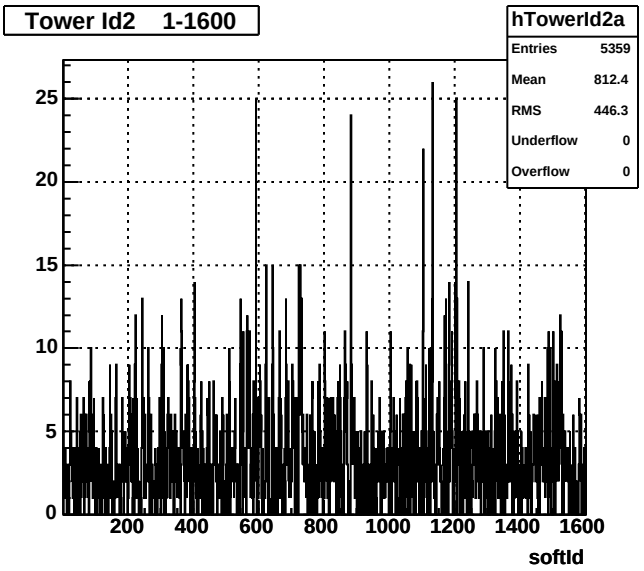

Number of hot towers
number of hot towers
events seen

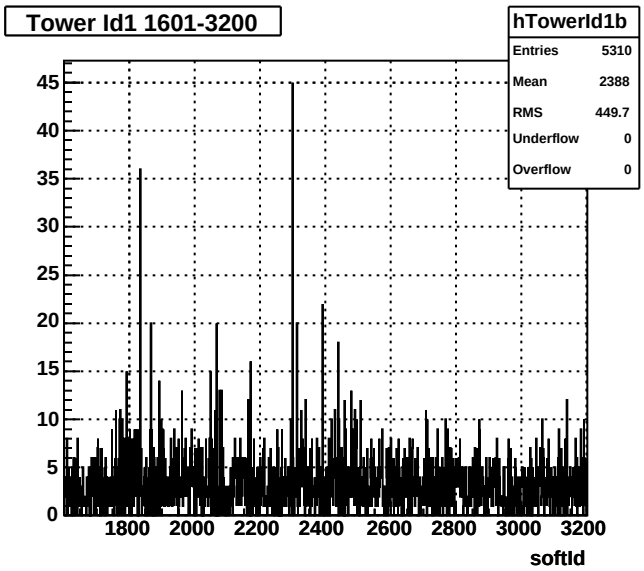

L2 processing time
hTime
Entries 15754
Mean 278.4
RMS 52.88
Underflow 0
Overflow 931
time [μs]

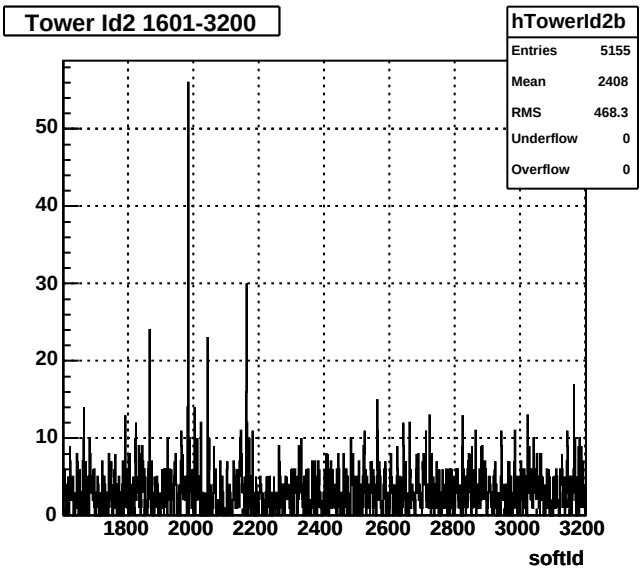

L0-L2 rejection rate
hL0L2RejectionRate
Entries 15754
Mean 1.79
RMS 0.02795
Underflow 0
Overflow 0

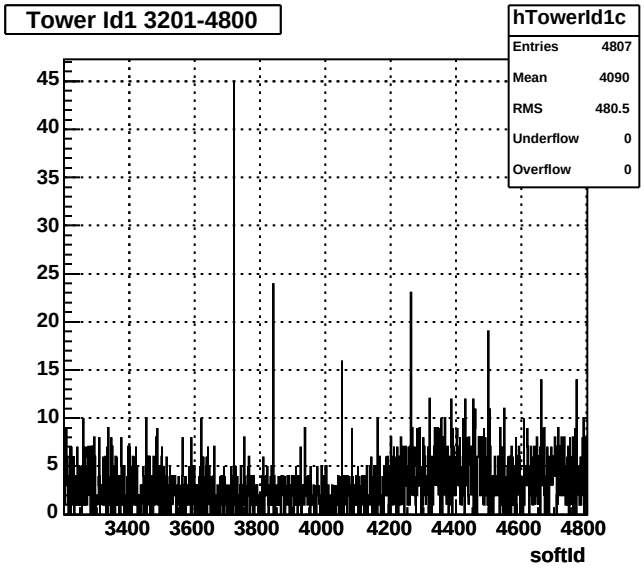

Delta Phi
hDeltaPhi
Entries 15754
Mean 2.357
RMS 0.5188
Underflow 0
Overflow 0
Δφ [radians]

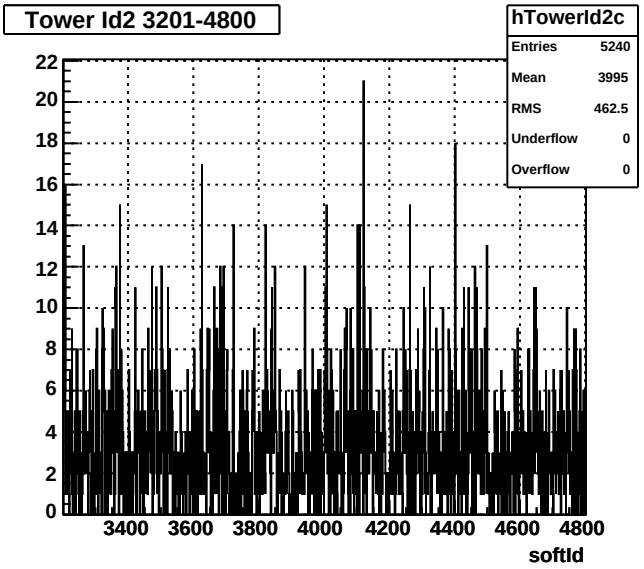

Tower Id1 1-1600
hTowerId1a
Entries 5637
Mean 796.5
RMS 454.4
Underflow 0
Overflow 0
softId

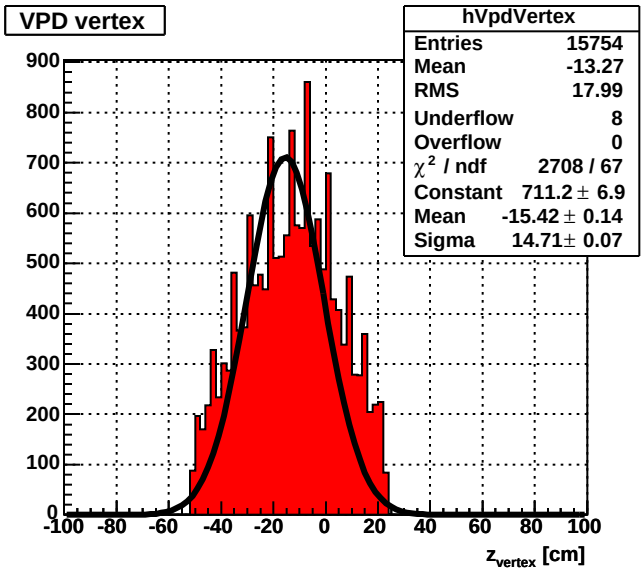

Tower Id2 1-1600
hTowerId2a
Entries 5359
Mean 812.4
RMS 446.3
Underflow 0
Overflow 0
softId

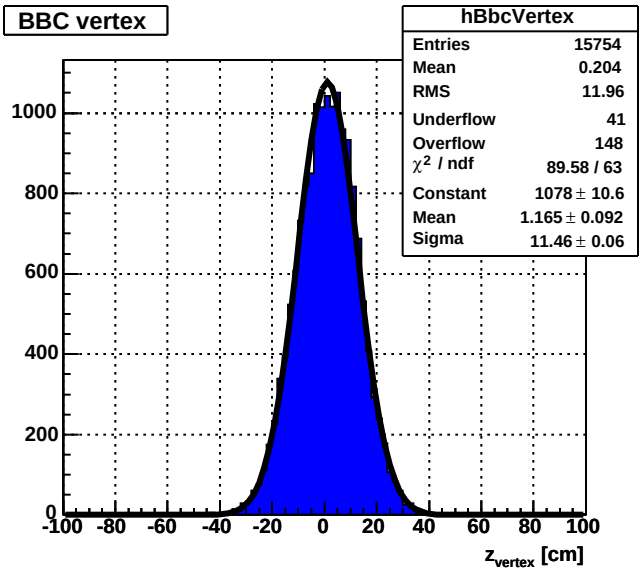

Tower Id1 1601-3200
hTowerId1b
Entries 5310
Mean 2388
RMS 449.7
Underflow 0
Overflow 0
softId

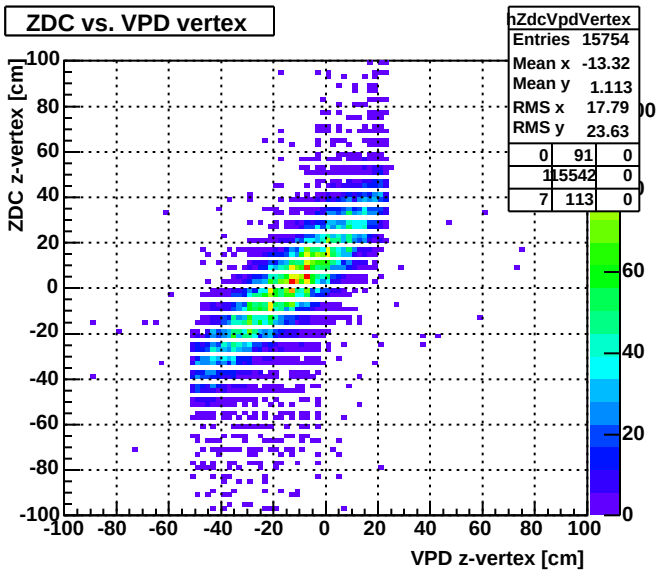

Tower Id2 1601-3200
hTowerId2b
Entries 5155
Mean 2408
RMS 468.3
Underflow 0
Overflow 0
softId

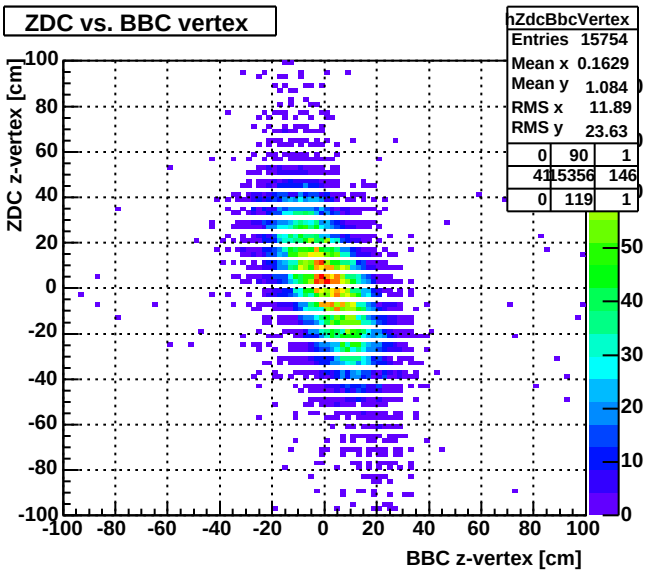

Tower Id1 3201-4800
hTowerId1c
Entries 4807
Mean 4090
RMS 480.5
Underflow 0
Overflow 0
softId

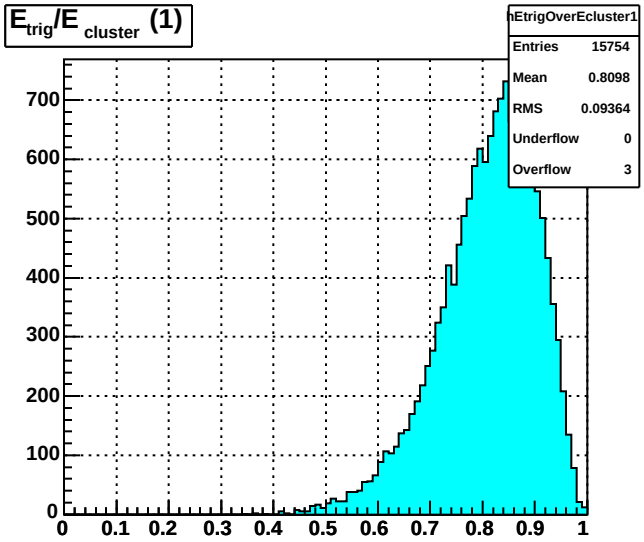

Tower Id2 3201-4800
hTowerId2c
Entries 5240
Mean 3995
RMS 462.5
Underflow 0
Overflow 0
softId

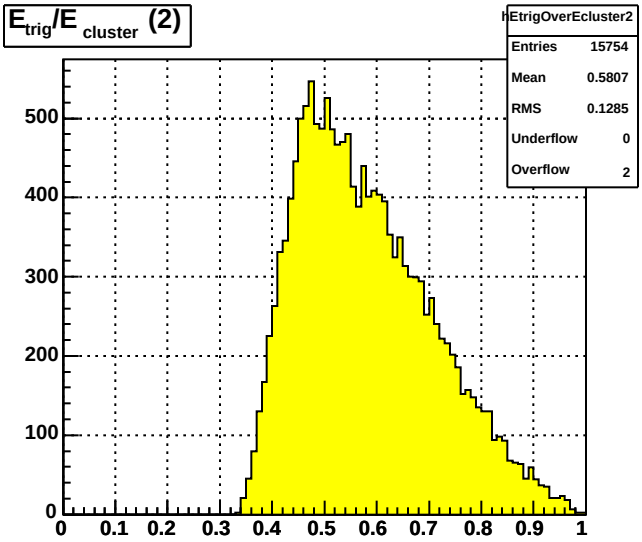

VPD vertex
hVpdVertex
Entries 15754
Mean -13.27
RMS 17.99
Underflow 8
Overflow 0
χ² / ndf 2708 / 67
Constant 711.2 ± 6.9
Mean -15.42 ± 0.14
Sigma 14.71 ± 0.07
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 15754
Mean 0.204
RMS 11.96
Underflow 41
Overflow 148
χ² / ndf 89.58 / 63
Constant 1078 ± 10.6
Mean 1.165 ± 0.092
Sigma 11.46 ± 0.06
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 15754
Mean x -13.32
Mean y 1.113
RMS x 17.79
RMS y 23.63
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 15754
Mean x 0.1629
Mean y 1.084
RMS x 11.89
RMS y 23.63
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 15754
Mean 0.8098
RMS 0.09364
Underflow 0
Overflow 3


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 15754
Mean 0.5807
RMS 0.1285
Underflow 0
Overflow 2