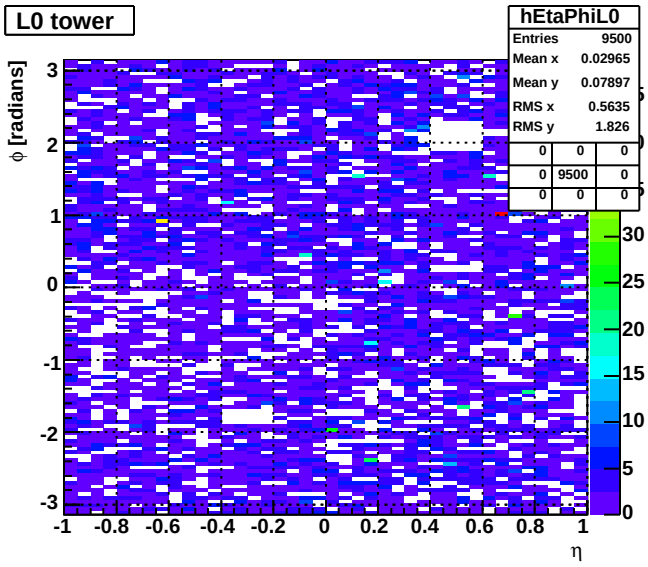
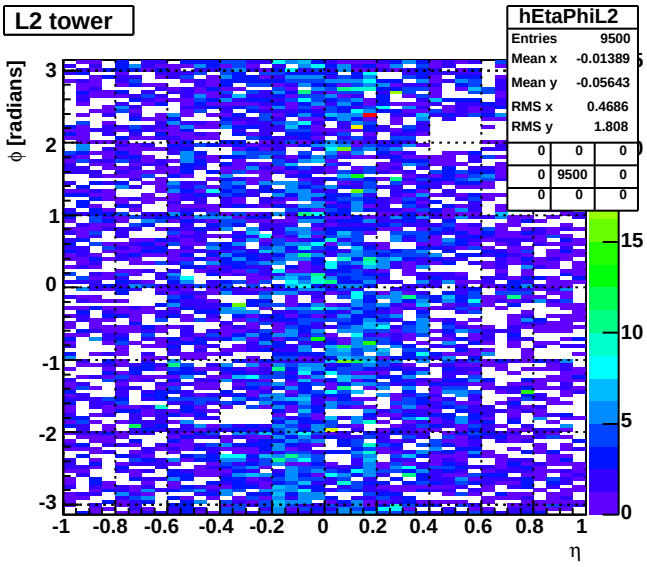
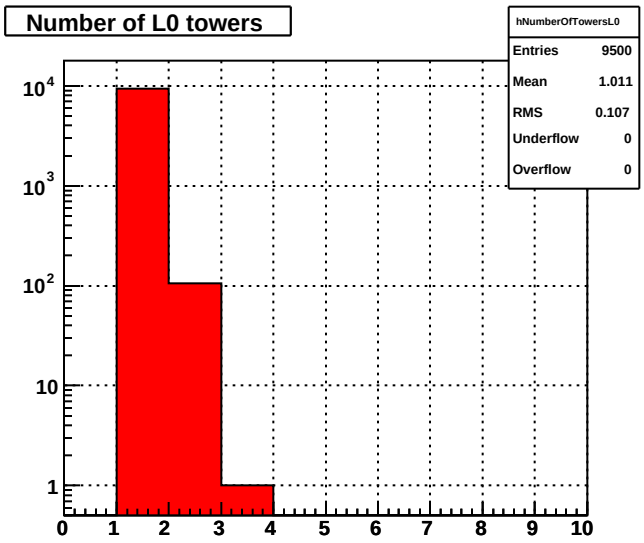
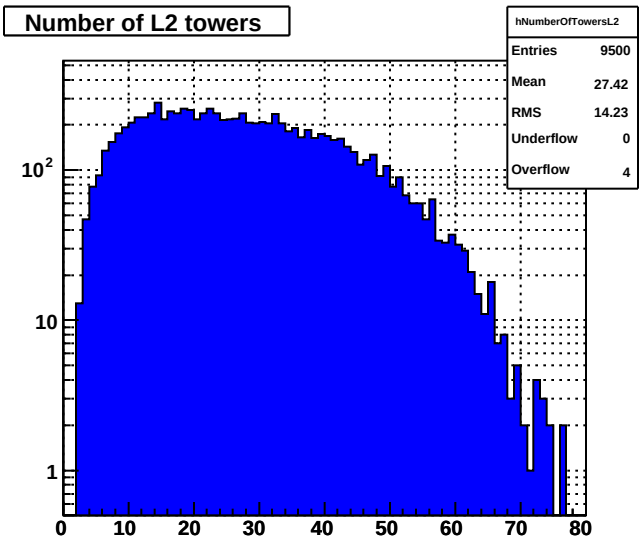
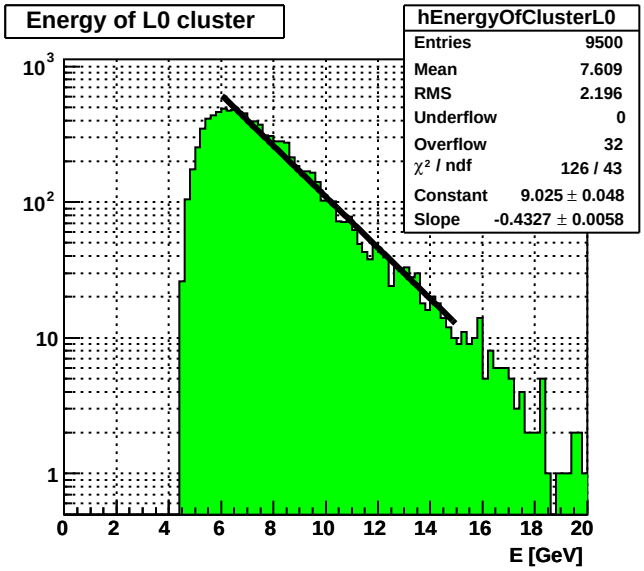
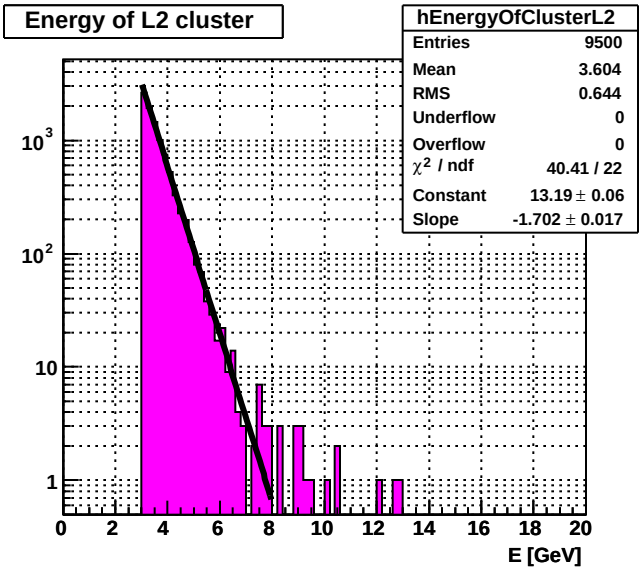

L0 tower
hEtaPhiL0
Entries 9500
Mean x 0.02965
Mean y 0.07897
RMS x 0.5635
RMS y 1.826
φ [radians]
η

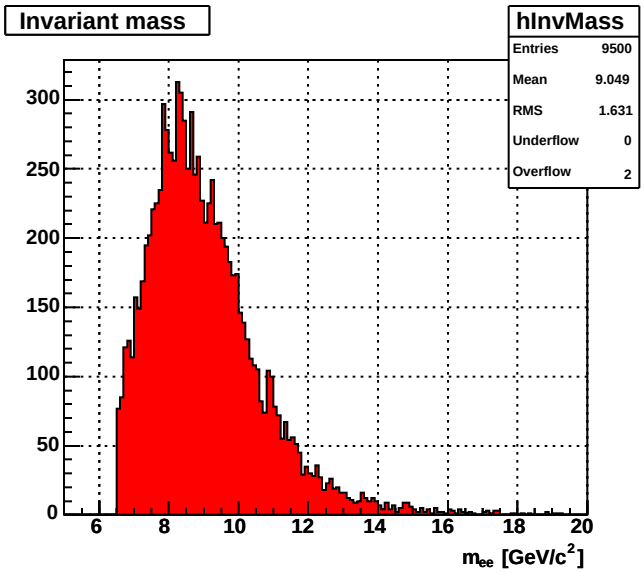

L2 tower
hEtaPhiL2
Entries 9500
Mean x -0.01389
Mean y -0.05643
RMS x 0.4686
RMS y 1.808
φ [radians]
η

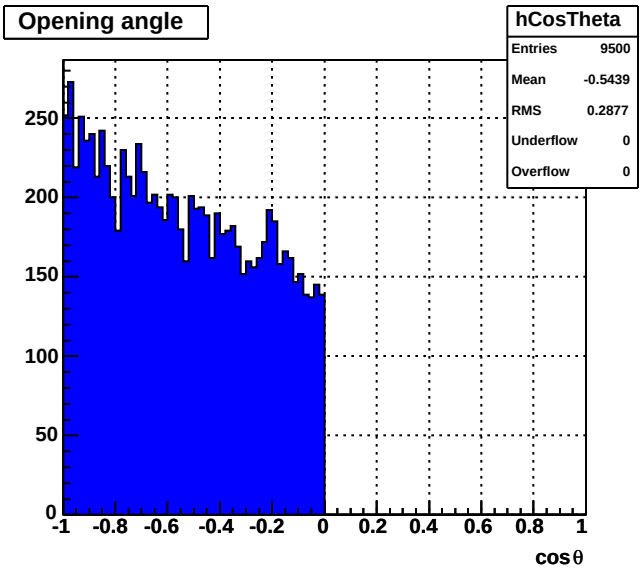

Number of L0 towers
hNumberOfTowersL0
Entries 9500
Mean 1.011
RMS 0.107
Underflow 0
Overflow 0

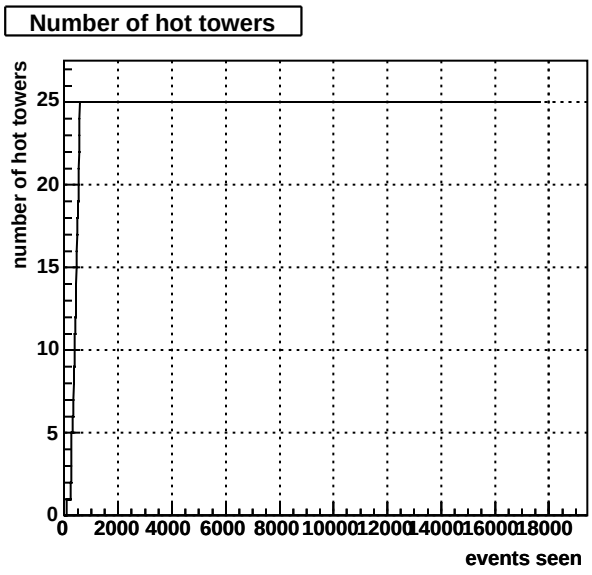

Number of L2 towers
hNumberOfTowersL2
Entries 9500
Mean 27.42
RMS 14.23
Underflow 0
Overflow 4

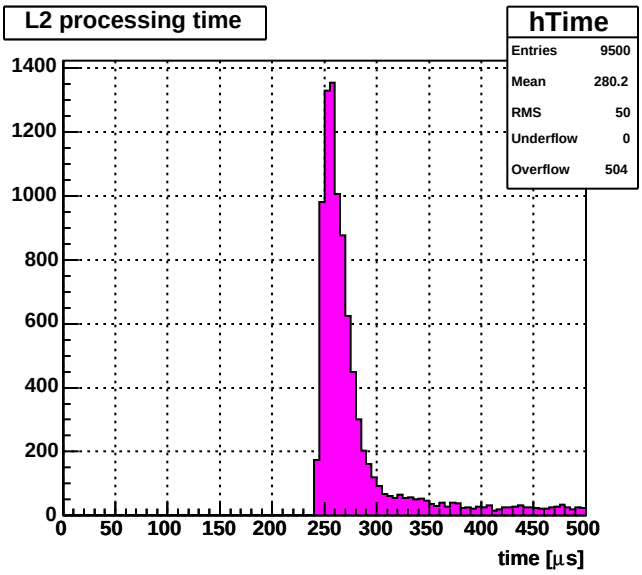

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9500
Mean 7.609
RMS 2.196
Underflow 0
Overflow 32
χ² / ndf 126 / 43
Constant 9.025 ± 0.048
Slope -0.4327 ± 0.0058
E [GeV]

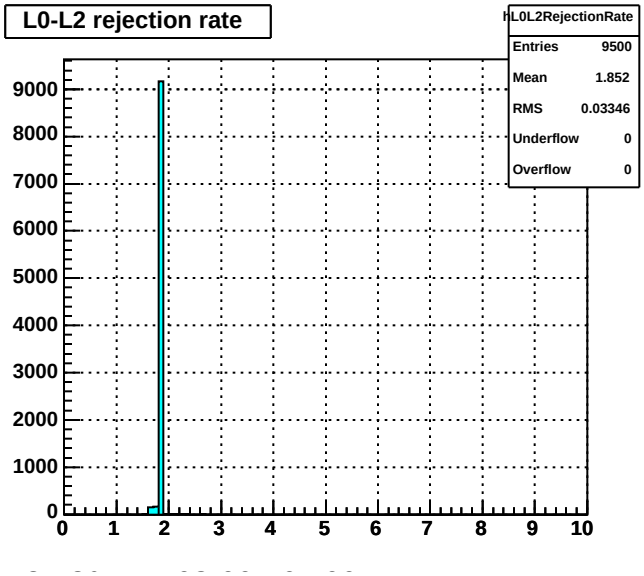

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9500
Mean 3.604
RMS 0.644
Underflow 0
Overflow 0
χ² / ndf 40.41 / 22
Constant 13.19 ± 0.06
Slope -1.702 ± 0.017
E [GeV]

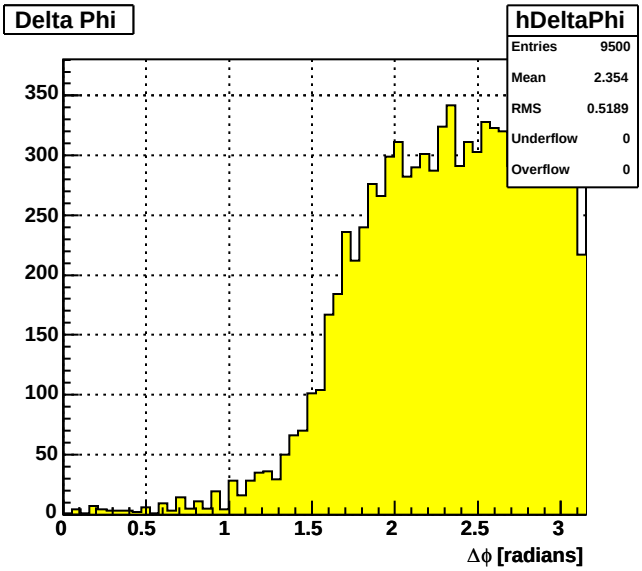

Invariant mass
hInvMass
Entries 9500
Mean 9.049
RMS 1.631
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

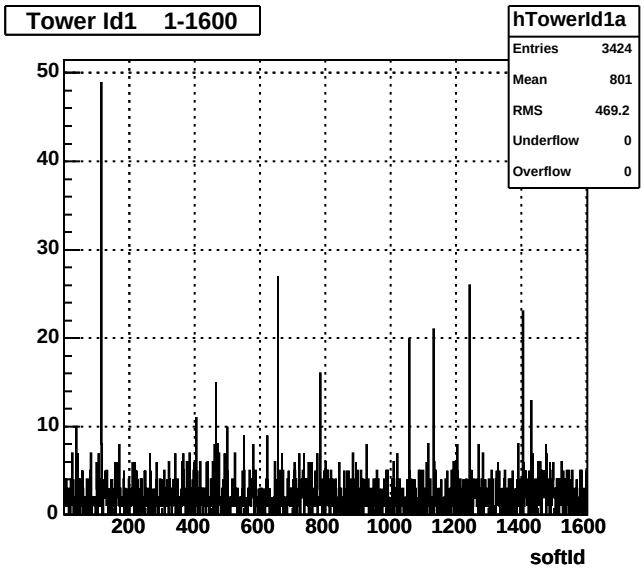

Opening angle
hCosTheta
Entries 9500
Mean -0.5439
RMS 0.2877
Underflow 0
Overflow 0
cos θ

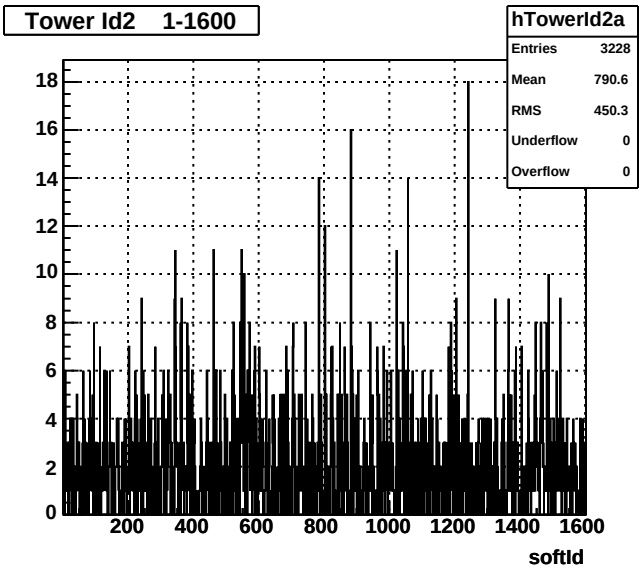

Number of hot towers
number of hot towers
events seen

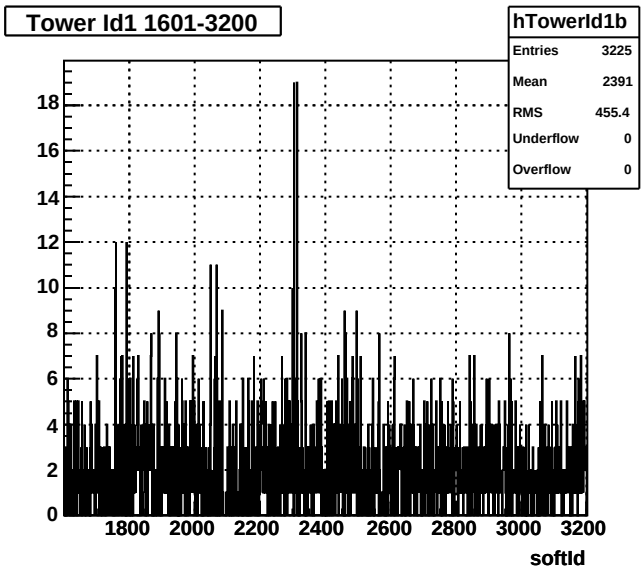

L2 processing time
hTime
Entries 9500
Mean 280.2
RMS 50
Underflow 0
Overflow 504
time [μs]

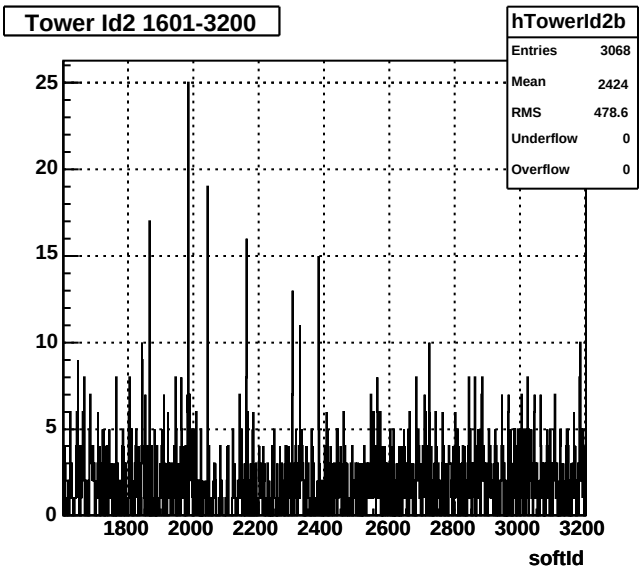

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9500
Mean 1.852
RMS 0.03346
Underflow 0
Overflow 0

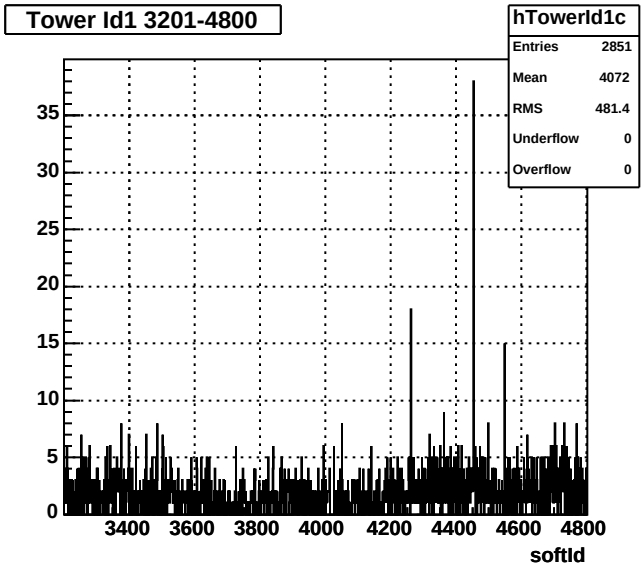

Delta Phi
hDeltaPhi
Entries 9500
Mean 2.354
RMS 0.5189
Underflow 0
Overflow 0
Δφ [radians]

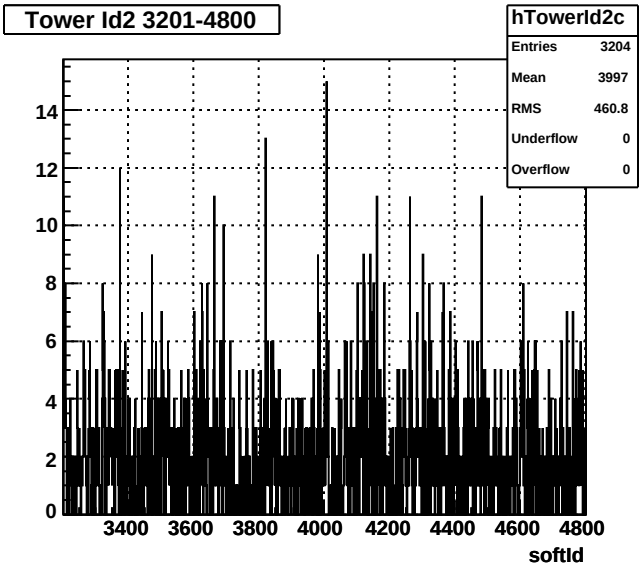

Tower Id1 1-1600
hTowerId1a
Entries 3424
Mean 801
RMS 469.2
Underflow 0
Overflow 0
softId

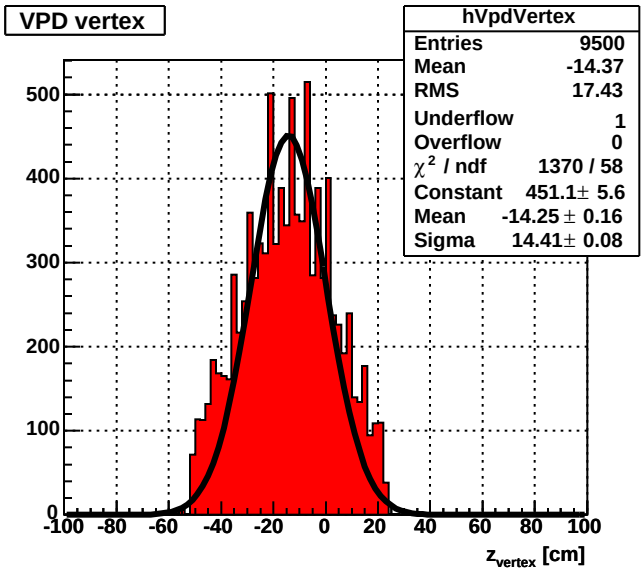

Tower Id2 1-1600
hTowerId2a
Entries 3228
Mean 790.6
RMS 450.3
Underflow 0
Overflow 0
softId

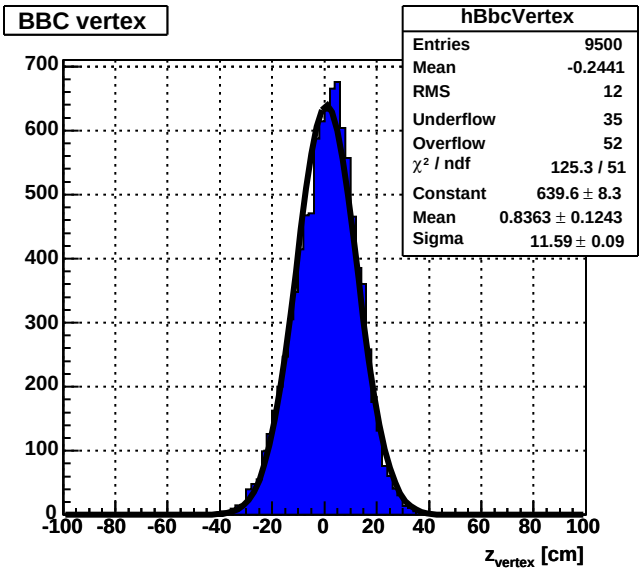

Tower Id1 1601-3200
hTowerId1b
Entries 3225
Mean 2391
RMS 455.4
Underflow 0
Overflow 0
softId

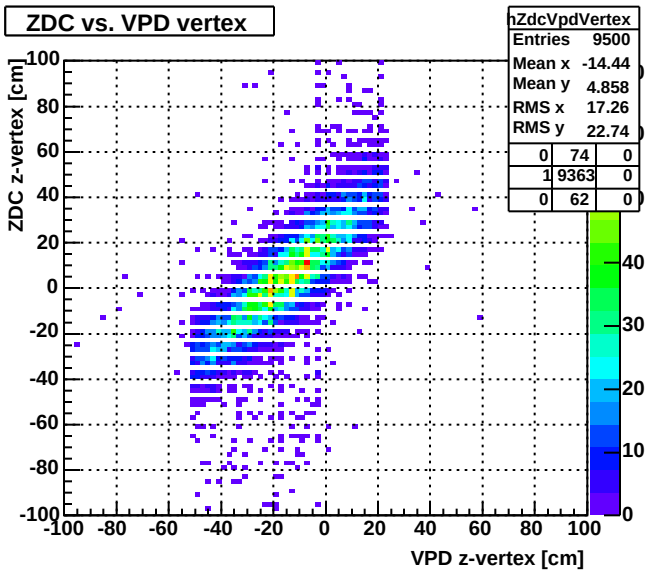

Tower Id2 1601-3200
hTowerId2b
Entries 3068
Mean 2424
RMS 478.6
Underflow 0
Overflow 0
softId

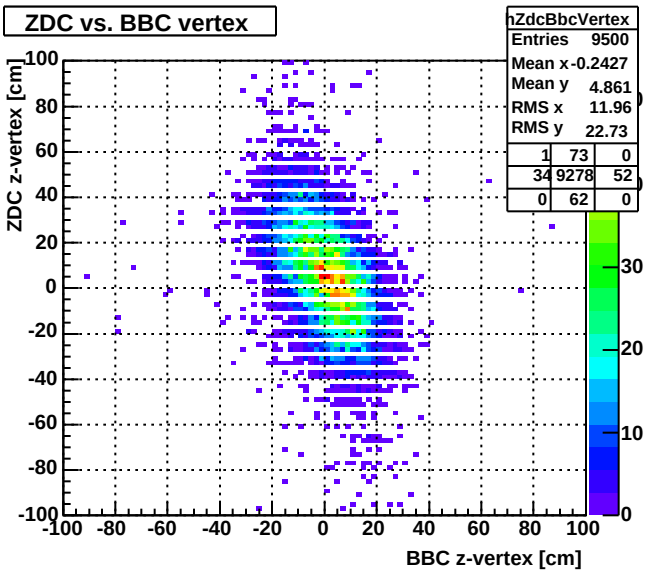

Tower Id1 3201-4800
hTowerId1c
Entries 2851
Mean 4072
RMS 481.4
Underflow 0
Overflow 0
softId

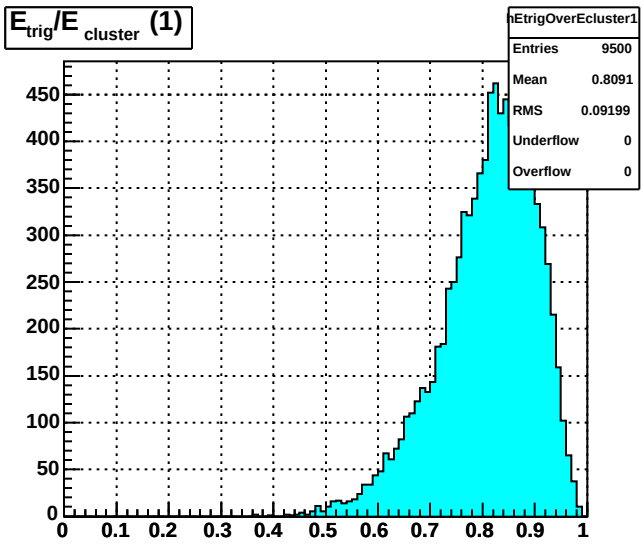

Tower Id2 3201-4800
hTowerId2c
Entries 3204
Mean 3997
RMS 460.8
Underflow 0
Overflow 0
softId

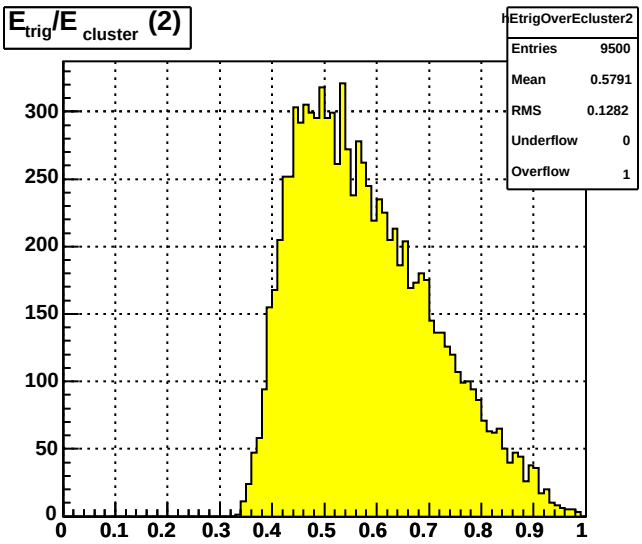

VPD vertex
hVpdVertex
Entries 9500
Mean -14.37
RMS 17.43
Underflow 1
Overflow 0
χ² / ndf 1370 / 58
Constant 451.1 ± 5.6
Mean -14.25 ± 0.16
Sigma 14.41 ± 0.08
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9500
Mean -0.2441
RMS 12
Underflow 35
Overflow 52
χ² / ndf 125.3 / 51
Constant 639.6 ± 8.3
Mean 0.8363 ± 0.1243
Sigma 11.59 ± 0.09
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9500
Mean x -14.44
Mean y 4.858
RMS x 17.26
RMS y 22.74
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9500
Mean x -0.2427
Mean y 4.861
RMS x 11.96
RMS y 22.73
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9500
Mean 0.8091
RMS 0.09199
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9500
Mean 0.5791
RMS 0.1282
Underflow 0
Overflow 1