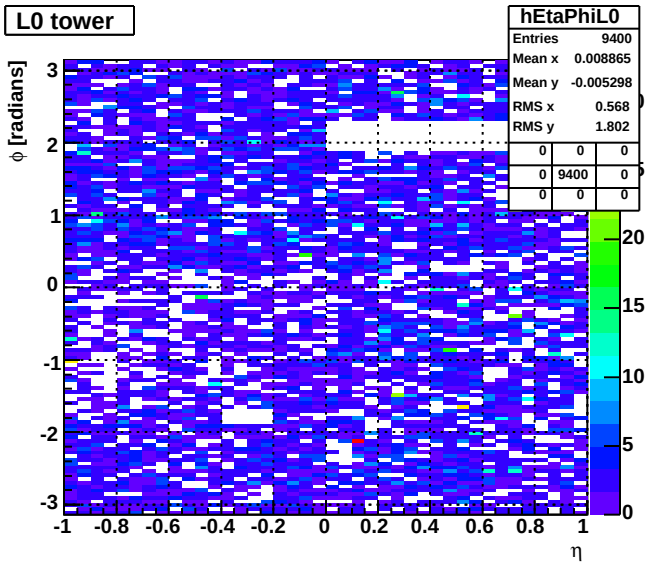
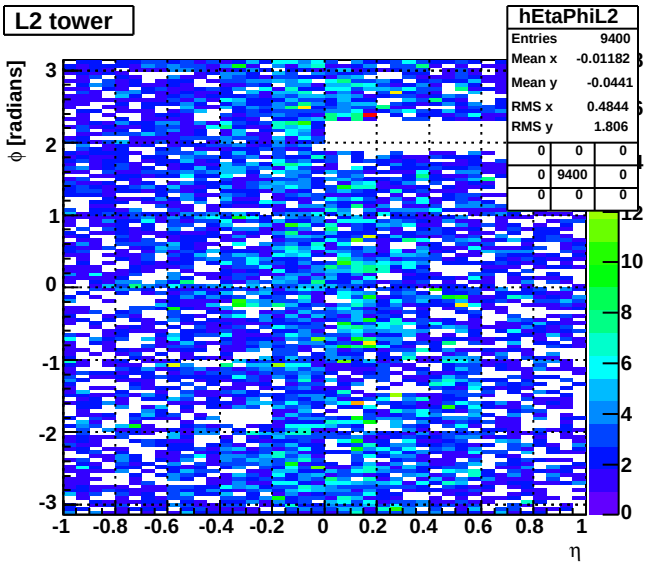
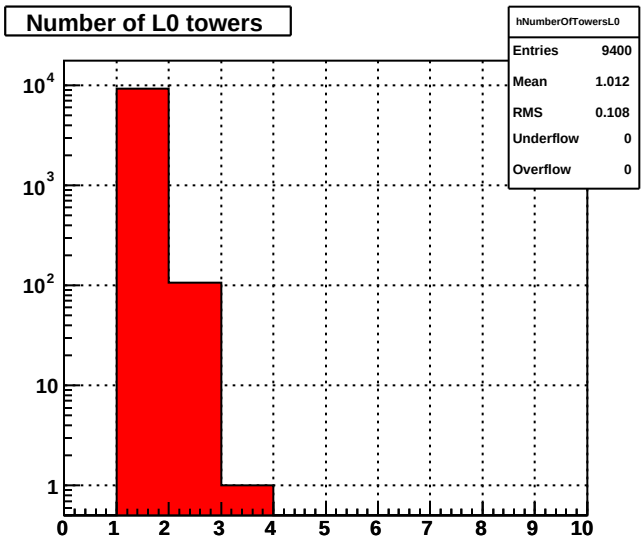
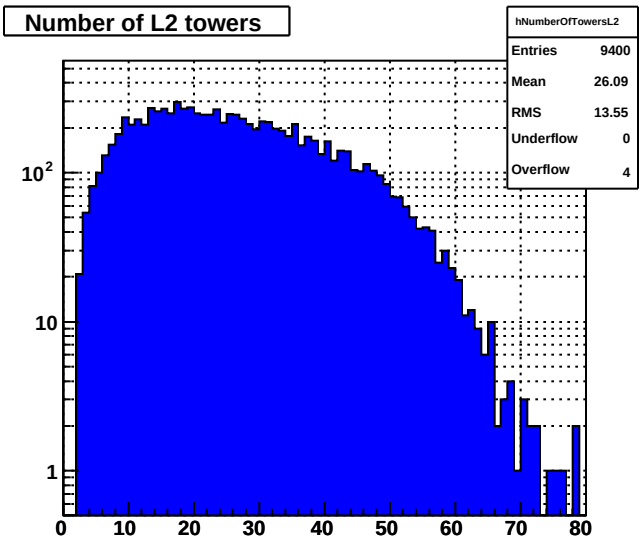
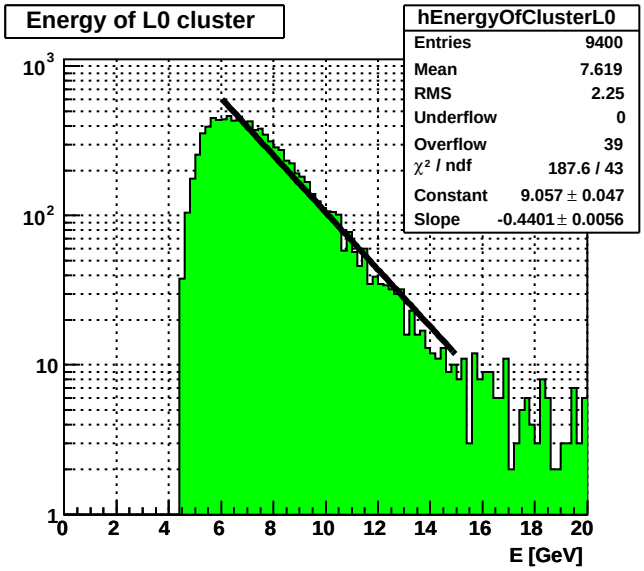
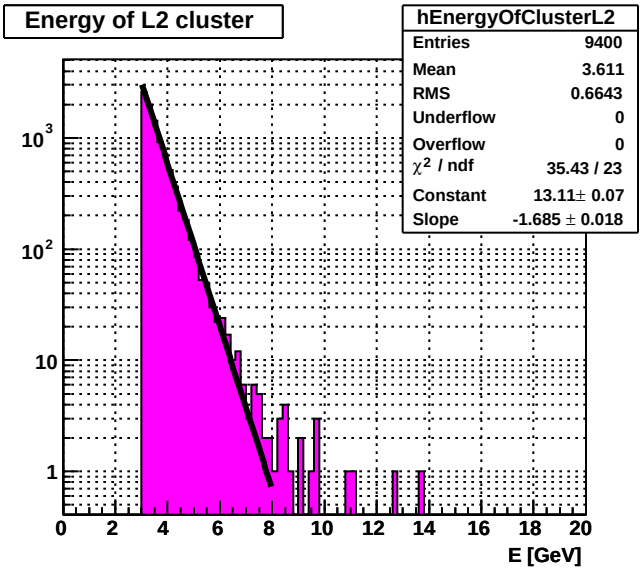

L0 tower
hEtaPhiL0
Entries 9400
Mean x 0.008865
Mean y -0.005298
RMS x 0.568
RMS y 1.802
φ [radians]
η

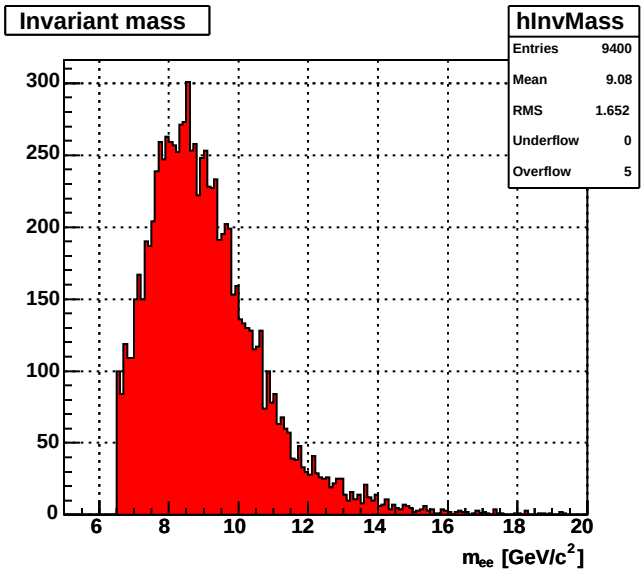

L2 tower
hEtaPhiL2
Entries 9400
Mean x -0.01182
Mean y -0.0441
RMS x 0.4844
RMS y 1.806
φ [radians]
η

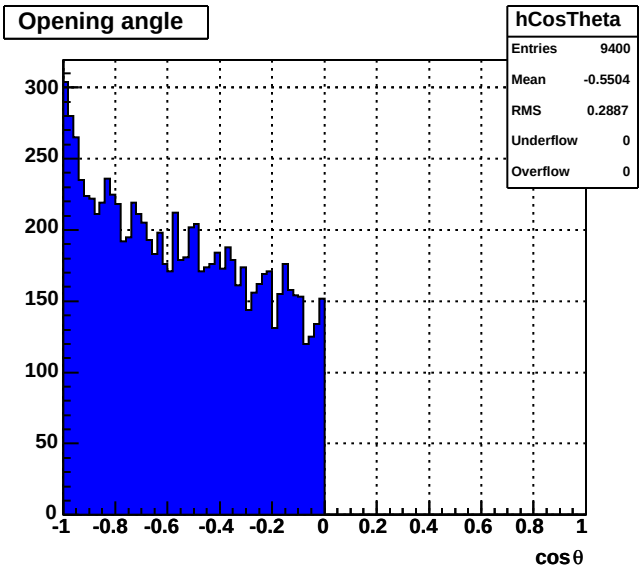

Number of L0 towers
hNumberOfTowersL0
Entries 9400
Mean 1.012
RMS 0.108
Underflow 0
Overflow 0

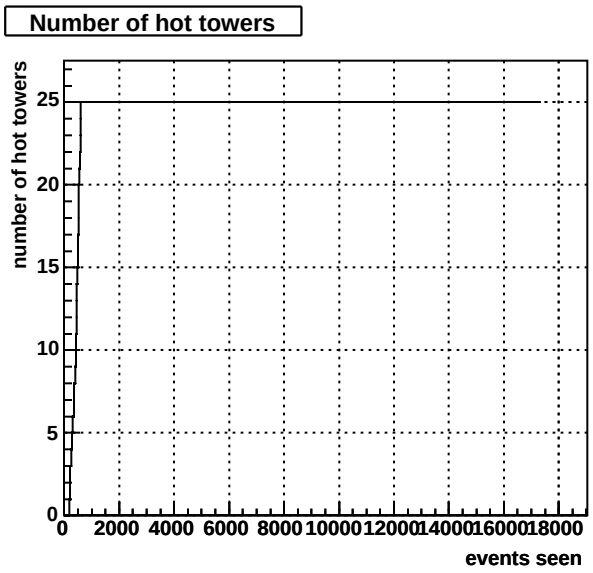

Number of L2 towers
hNumberOfTowersL2
Entries 9400
Mean 26.09
RMS 13.55
Underflow 0
Overflow 4

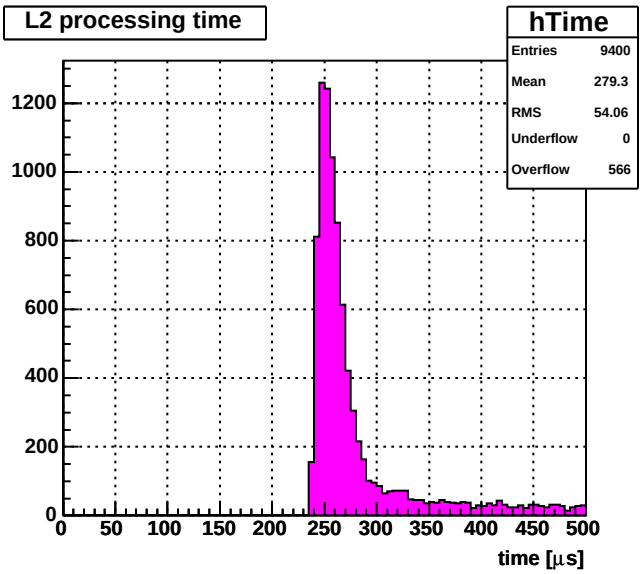

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9400
Mean 7.619
RMS 2.25
Underflow 0
Overflow 39
χ² / ndf 187.6 / 43
Constant 9.057 ± 0.047
Slope -0.4401 ± 0.0056
E [GeV]

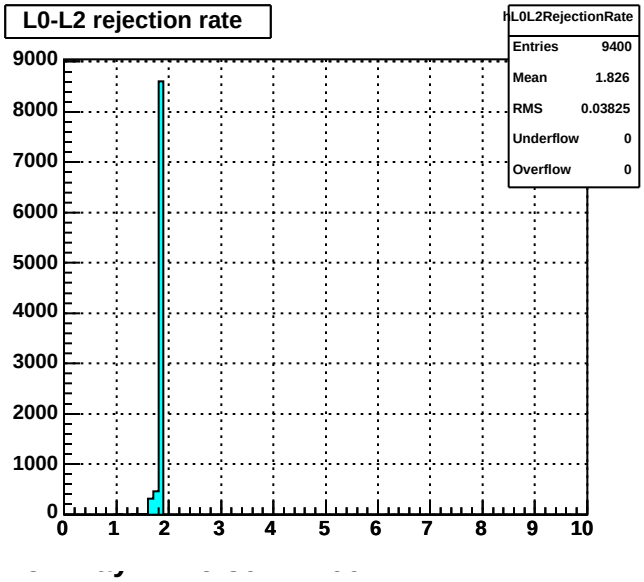

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9400
Mean 3.611
RMS 0.6643
Underflow 0
Overflow 0
χ² / ndf 35.43 / 23
Constant 13.11± 0.07
Slope -1.685 ± 0.018
E [GeV]

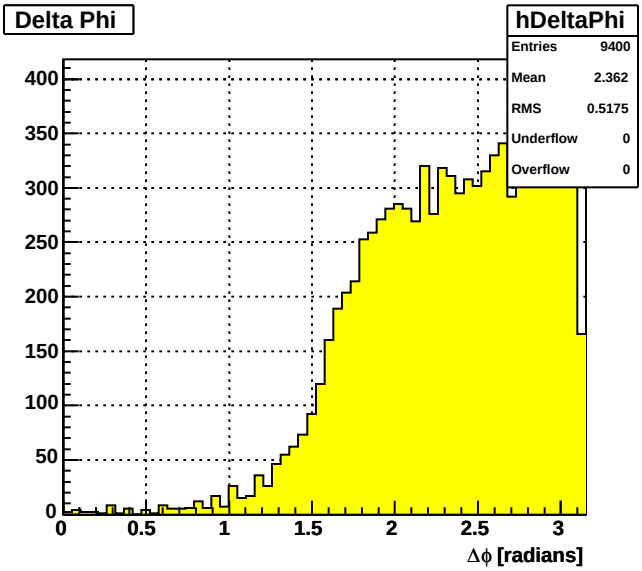

Invariant mass
hInvMass
Entries 9400
Mean 9.08
RMS 1.652
Underflow 0
Overflow 5
m_{ee} [GeV/c^2]

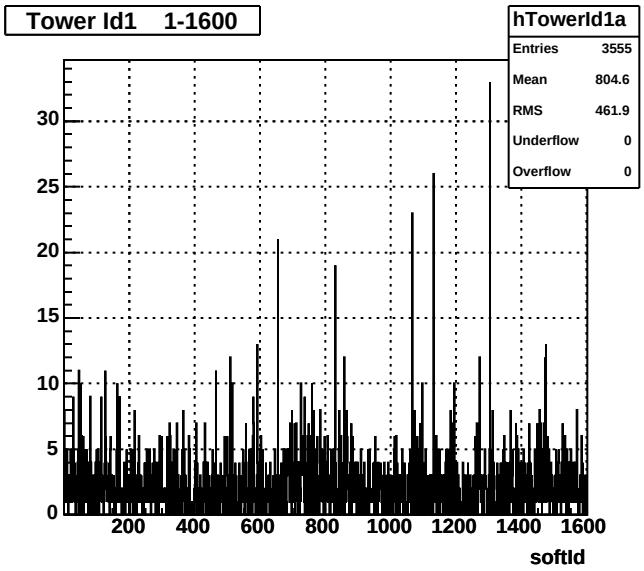

Opening angle
hCosTheta
Entries 9400
Mean -0.5504
RMS 0.2887
Underflow 0
Overflow 0
cos θ

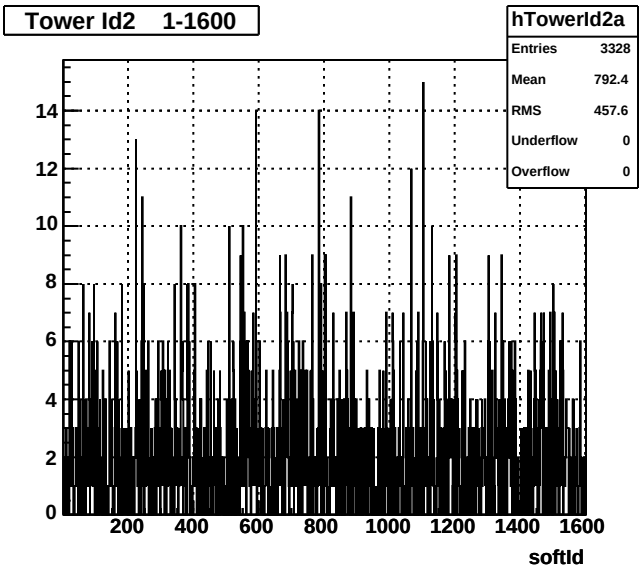

Number of hot towers
number of hot towers
events seen

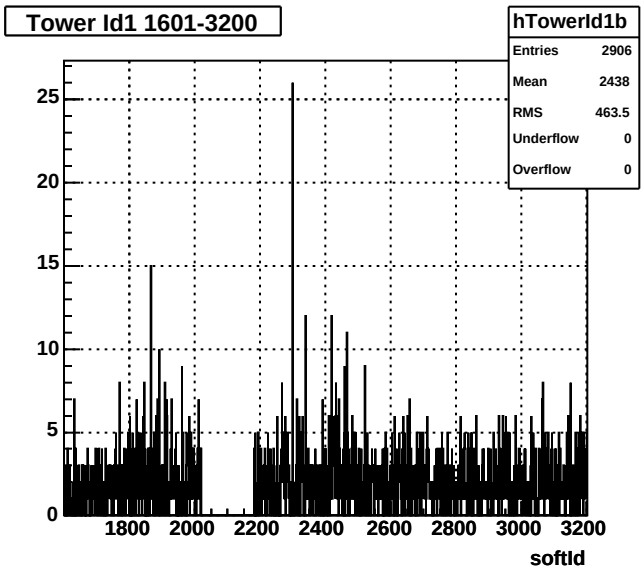

L2 processing time
hTime
Entries 9400
Mean 279.3
RMS 54.06
Underflow 0
Overflow 566
time [μs]

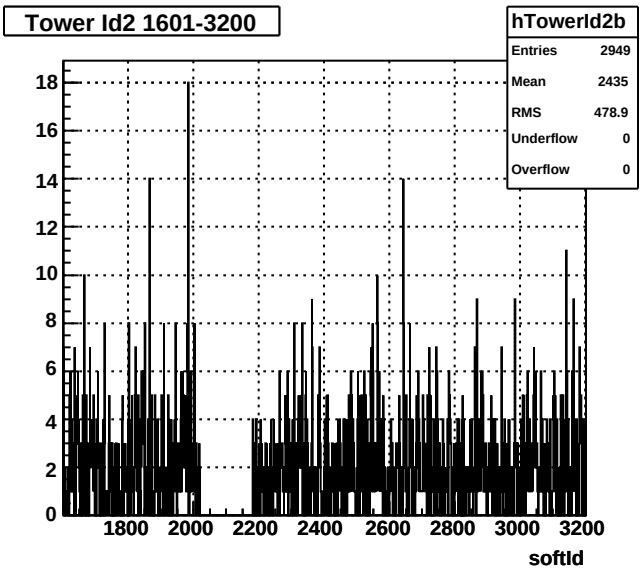

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9400
Mean 1.826
RMS 0.03825
Underflow 0
Overflow 0

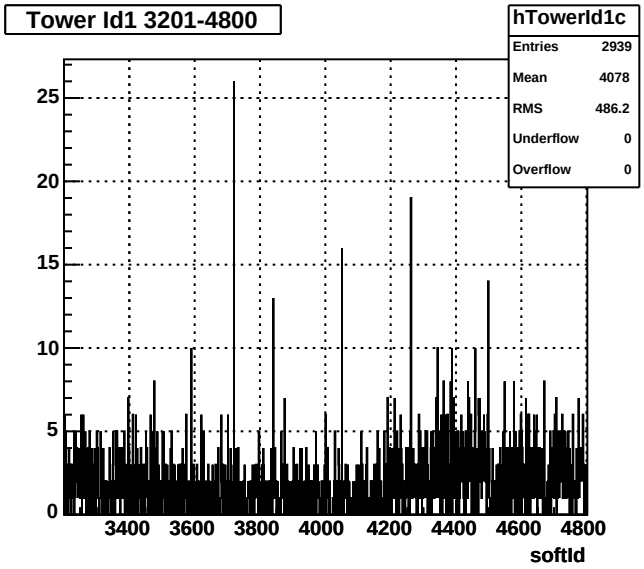

Delta Phi
hDeltaPhi
Entries 9400
Mean 2.362
RMS 0.5175
Underflow 0
Overflow 0
Δφ [radians]

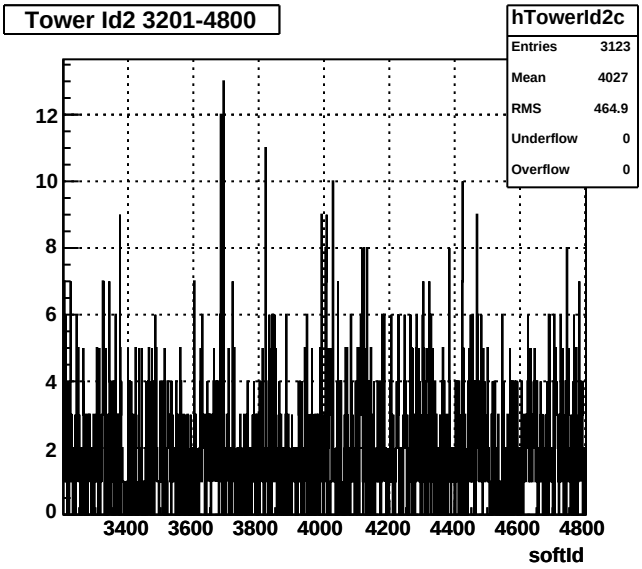

Tower Id1 1-1600
hTowerId1a
Entries 3555
Mean 804.6
RMS 461.9
Underflow 0
Overflow 0
softId

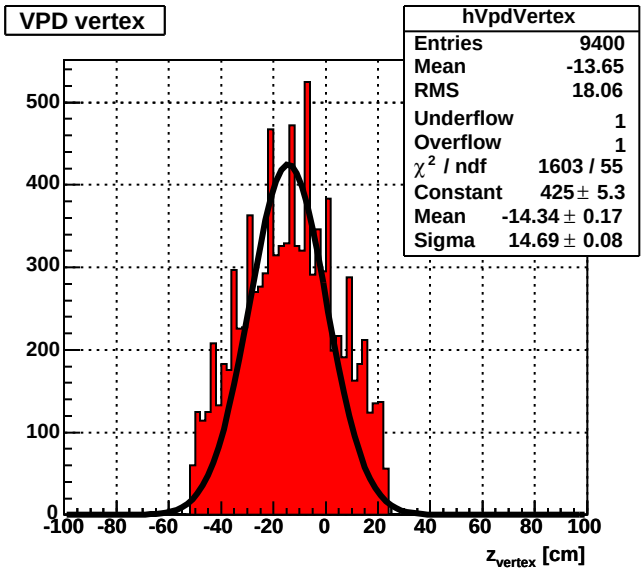

Tower Id2 1-1600
hTowerId2a
Entries 3328
Mean 792.4
RMS 457.6
Underflow 0
Overflow 0
softId

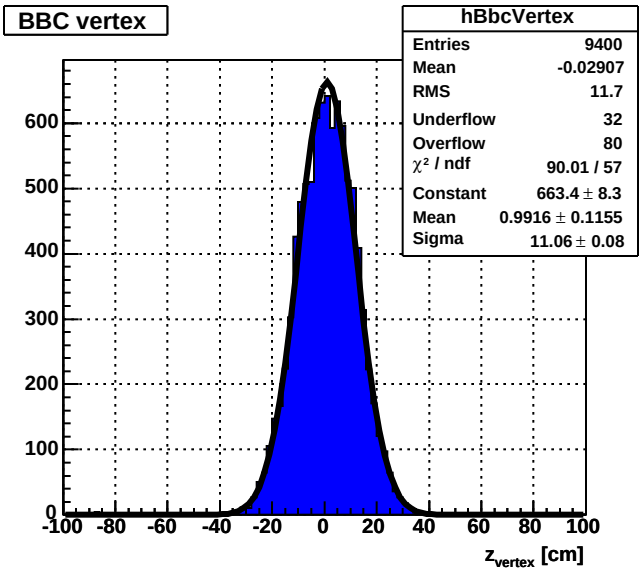

Tower Id1 1601-3200
hTowerId1b
Entries 2906
Mean 2438
RMS 463.5
Underflow 0
Overflow 0
softId

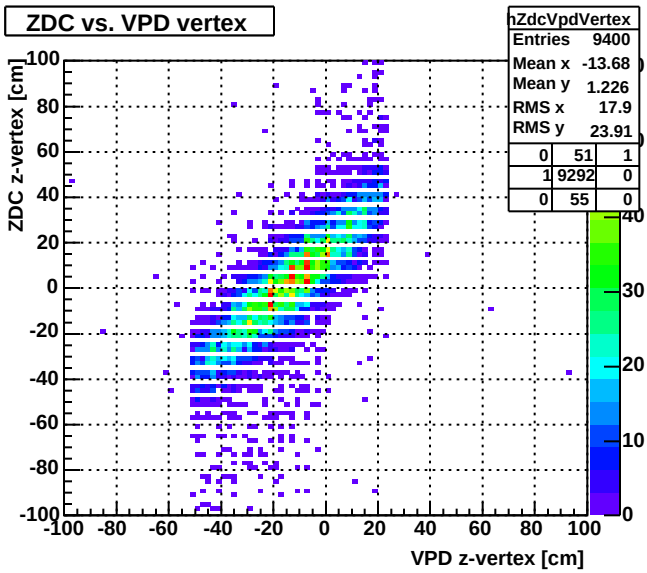

Tower Id2 1601-3200
hTowerId2b
Entries 2949
Mean 2435
RMS 478.9
Underflow 0
Overflow 0
softId

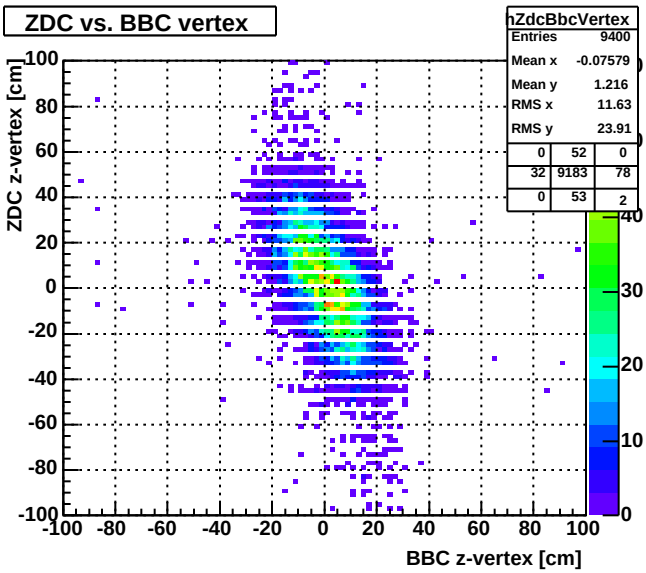

Tower Id1 3201-4800
hTowerId1c
Entries 2939
Mean 4078
RMS 486.2
Underflow 0
Overflow 0
softId

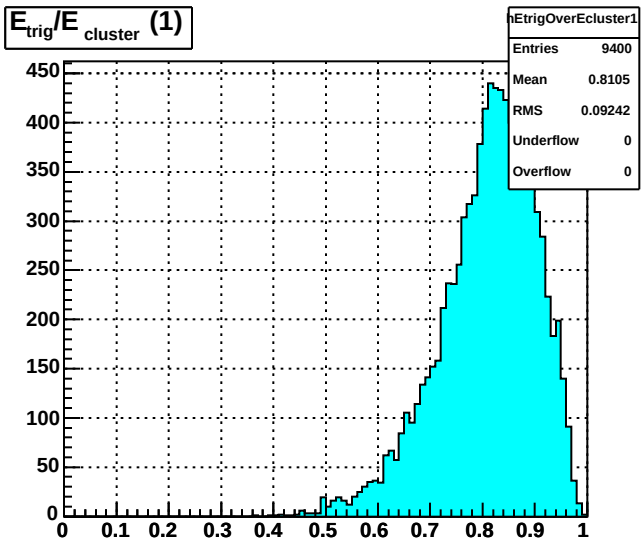

Tower Id2 3201-4800
hTowerId2c
Entries 3123
Mean 4027
RMS 464.9
Underflow 0
Overflow 0
softId

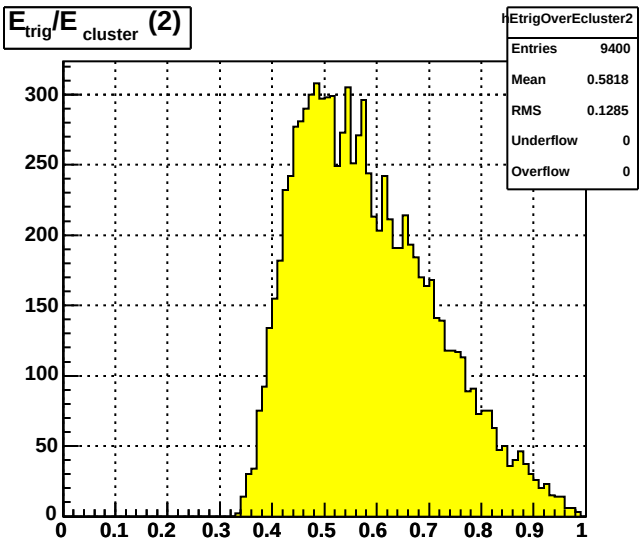

VPD vertex
hVpdVertex
Entries 9400
Mean -13.65
RMS 18.06
Underflow 1
Overflow 1
χ² / ndf 1603 / 55
Constant 425 ± 5.3
Mean -14.34 ± 0.17
Sigma 14.69 ± 0.08
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9400
Mean -0.02907
RMS 11.7
Underflow 32
Overflow 80
χ² / ndf 90.01 / 57
Constant 663.4 ± 8.3
Mean 0.9916 ± 0.1155
Sigma 11.06 ± 0.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9400
Mean x -13.68
Mean y 1.226
RMS x 17.9
RMS y 23.91
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9400
Mean x -0.07579
Mean y 1.216
RMS x 11.63
RMS y 23.91
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9400
Mean 0.8105
RMS 0.09242
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9400
Mean 0.5818
RMS 0.1285
Underflow 0
Overflow 0