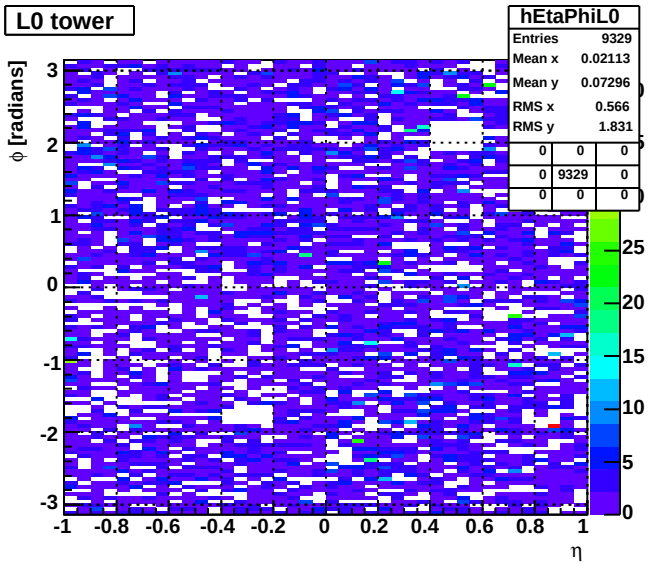
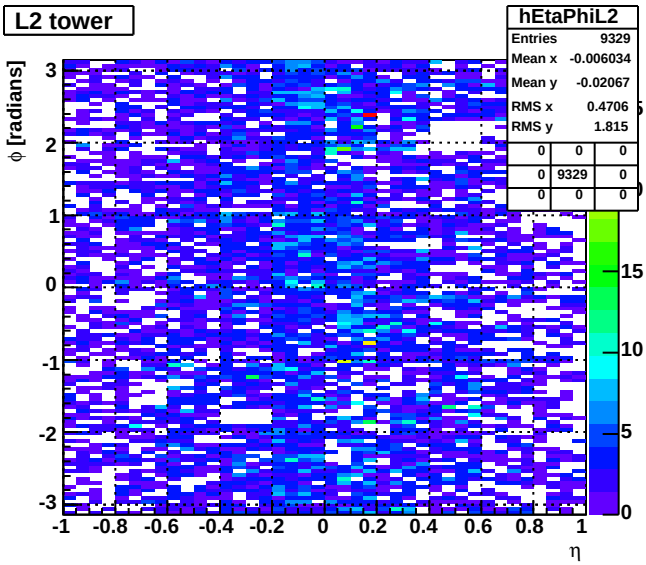
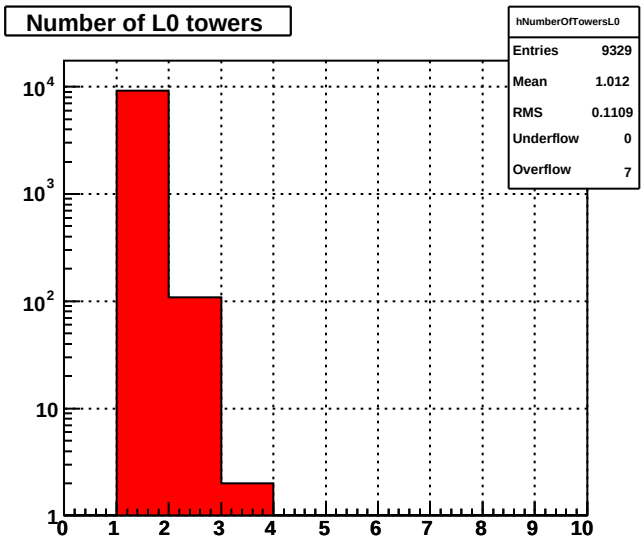
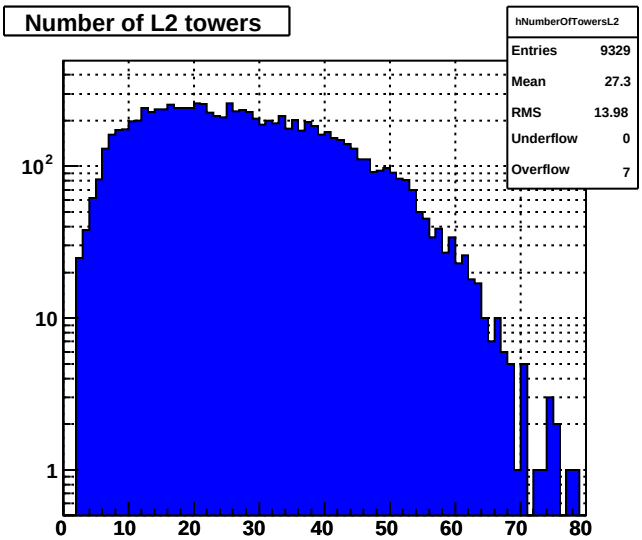
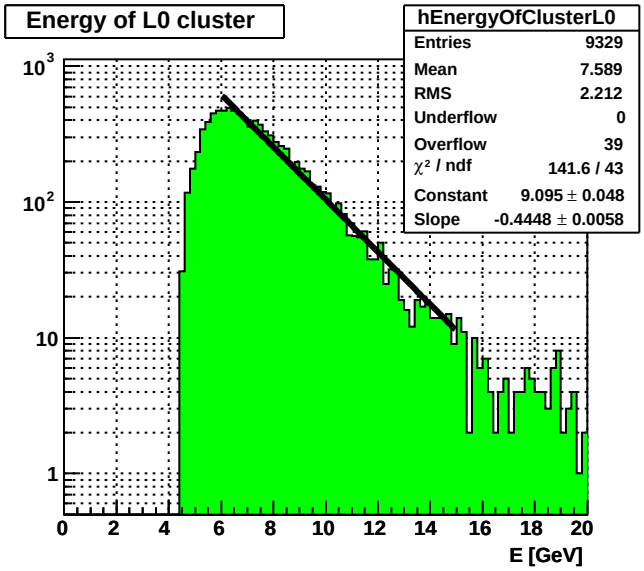
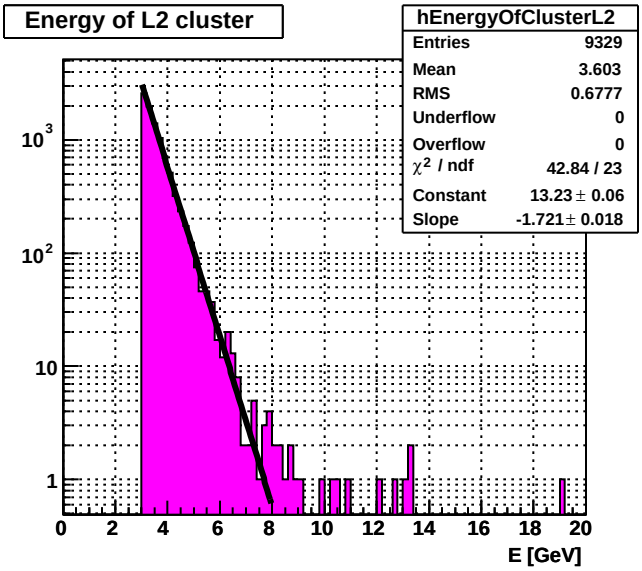

L0 tower
hEtaPhiL0
Entries 9329
Mean x 0.02113
Mean y 0.07296
RMS x 0.566
RMS y 1.831
φ [radians]
η

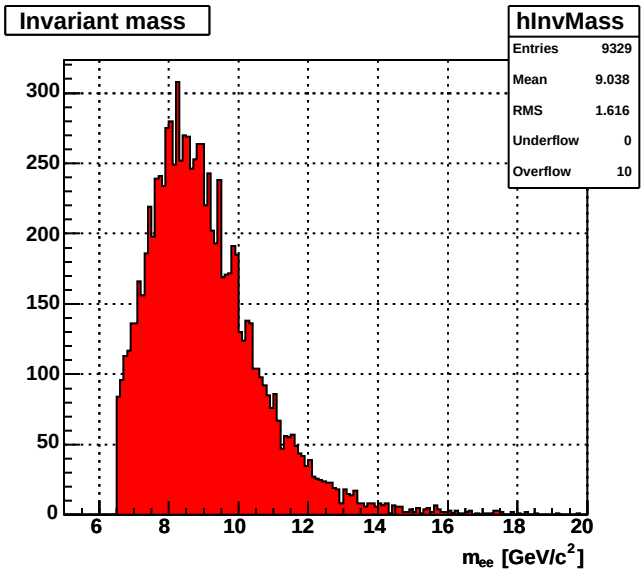

L2 tower
hEtaPhiL2
Entries 9329
Mean x -0.006034
Mean y -0.02067
RMS x 0.4706
RMS y 1.815
φ [radians]
η

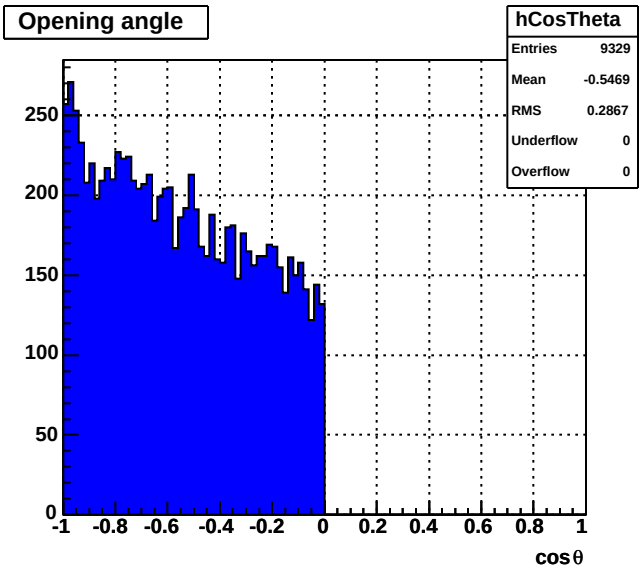

Number of L0 towers
hNumberOfTowersL0
Entries 9329
Mean 1.012
RMS 0.1109
Underflow 0
Overflow 7

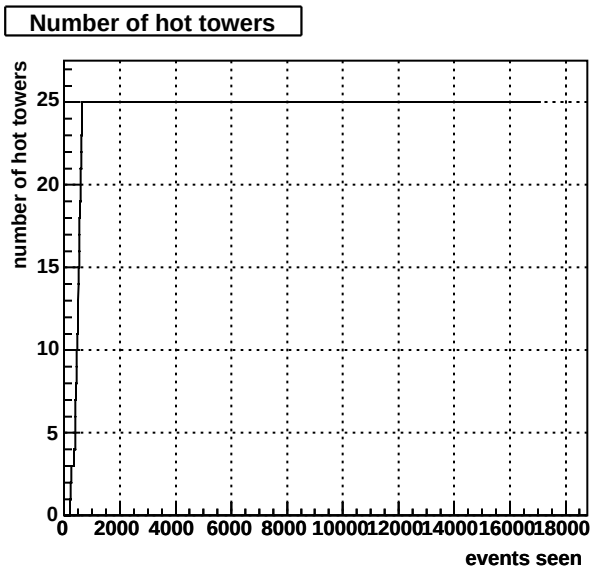

Number of L2 towers
hNumberOfTowersL2
Entries 9329
Mean 27.3
RMS 13.98
Underflow 0
Overflow 7

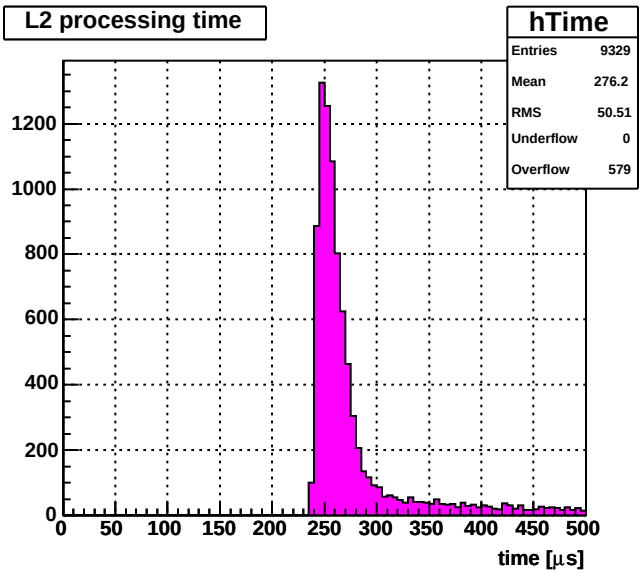

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9329
Mean 7.589
RMS 2.212
Underflow 0
Overflow 39
χ² / ndf 141.6 / 43
Constant 9.095 ± 0.048
Slope -0.4448 ± 0.0058
E [GeV]

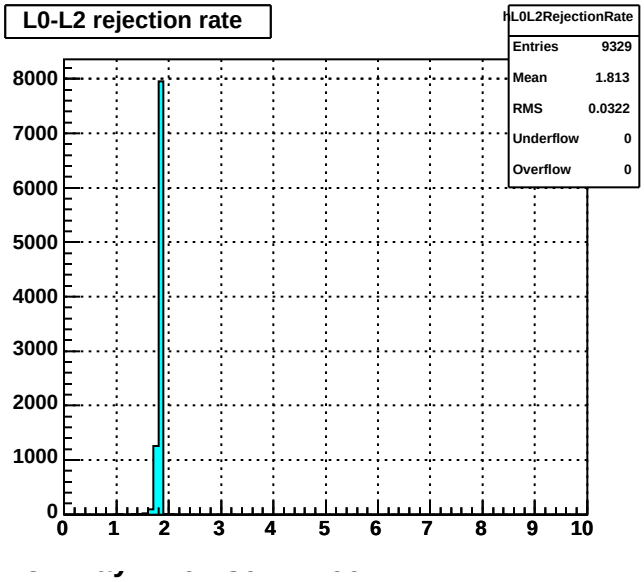

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9329
Mean 3.603
RMS 0.6777
Underflow 0
Overflow 0
χ² / ndf 42.84 / 23
Constant 13.23 ± 0.06
Slope -1.721 ± 0.018
E [GeV]

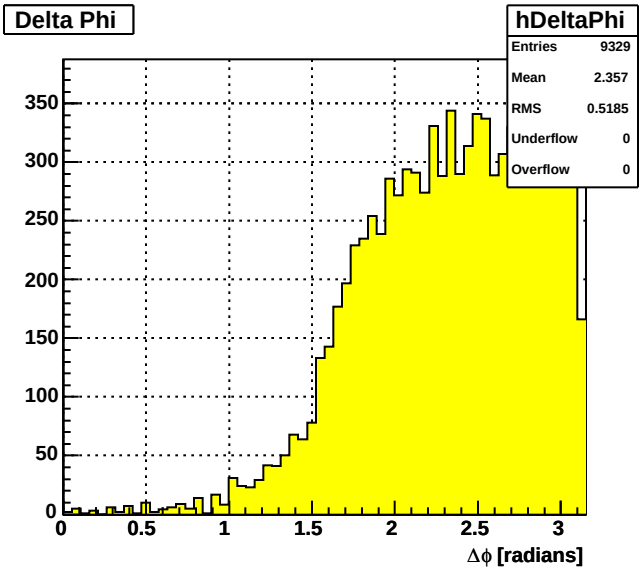

Invariant mass
hInvMass
Entries 9329
Mean 9.038
RMS 1.616
Underflow 0
Overflow 10
m_{ee} [GeV/c^2]

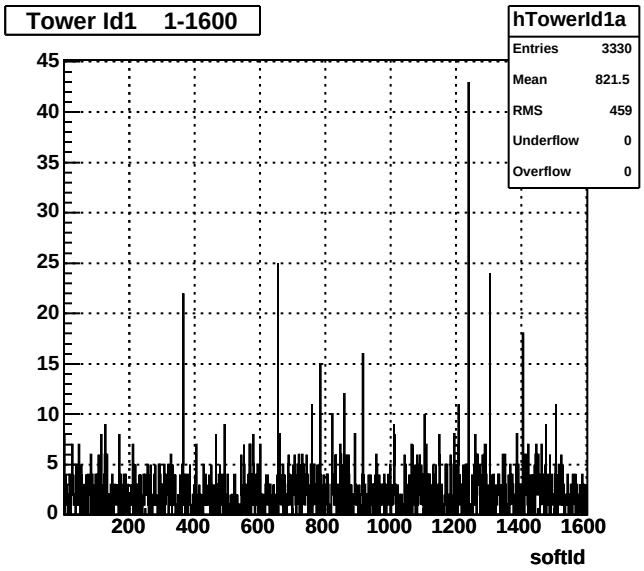

Opening angle
hCosTheta
Entries 9329
Mean -0.5469
RMS 0.2867
Underflow 0
Overflow 0
cos θ

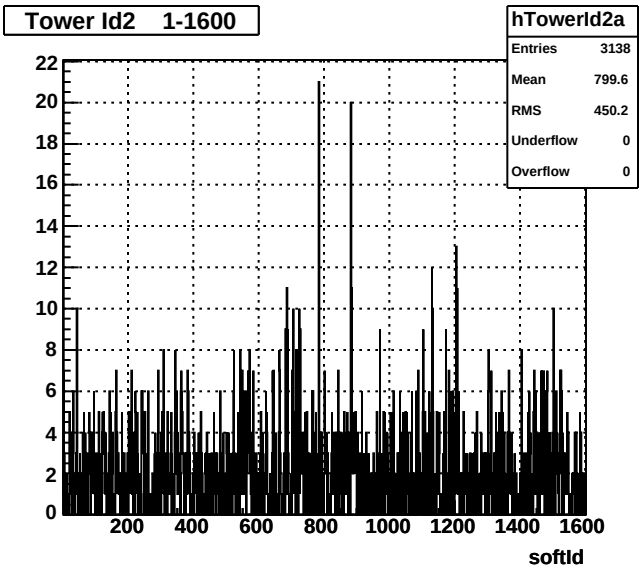

Number of hot towers
number of hot towers
events seen

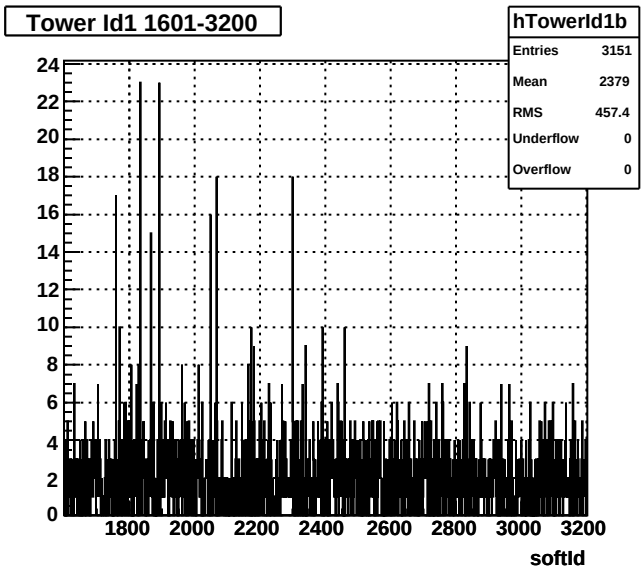

L2 processing time
hTime
Entries 9329
Mean 276.2
RMS 50.51
Underflow 0
Overflow 579
time [μs]

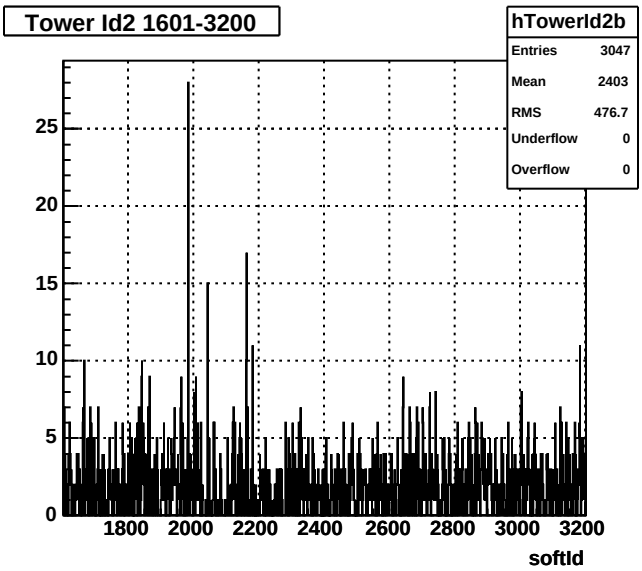

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9329
Mean 1.813
RMS 0.0322
Underflow 0
Overflow 0

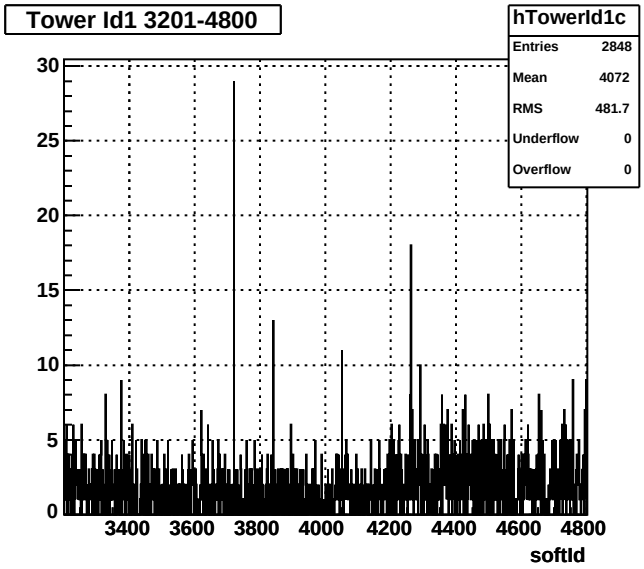

Delta Phi
hDeltaPhi
Entries 9329
Mean 2.357
RMS 0.5185
Underflow 0
Overflow 0
Δφ [radians]

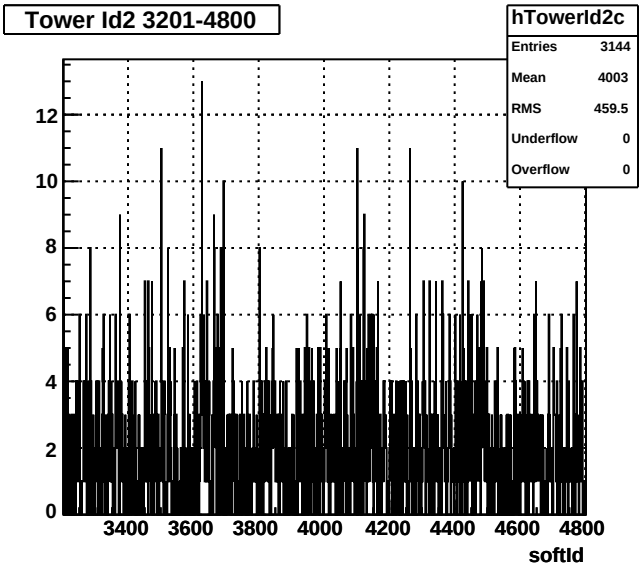

Tower Id1 1-1600
hTowerId1a
Entries 3330
Mean 821.5
RMS 459
Underflow 0
Overflow 0
softId

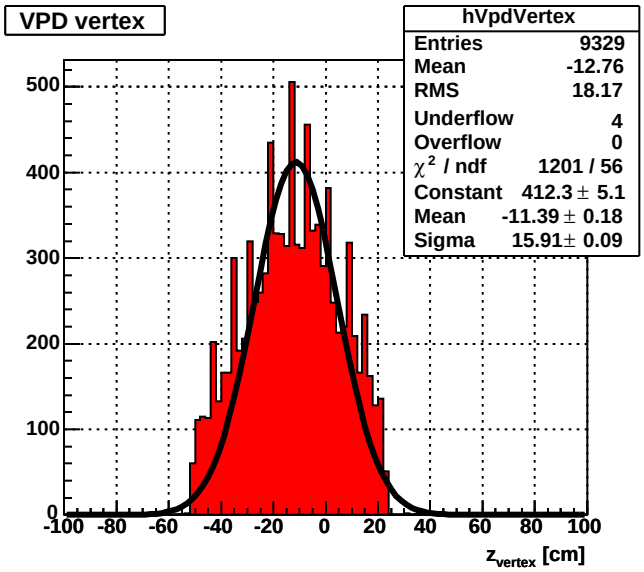

Tower Id2 1-1600
hTowerId2a
Entries 3138
Mean 799.6
RMS 450.2
Underflow 0
Overflow 0
softId

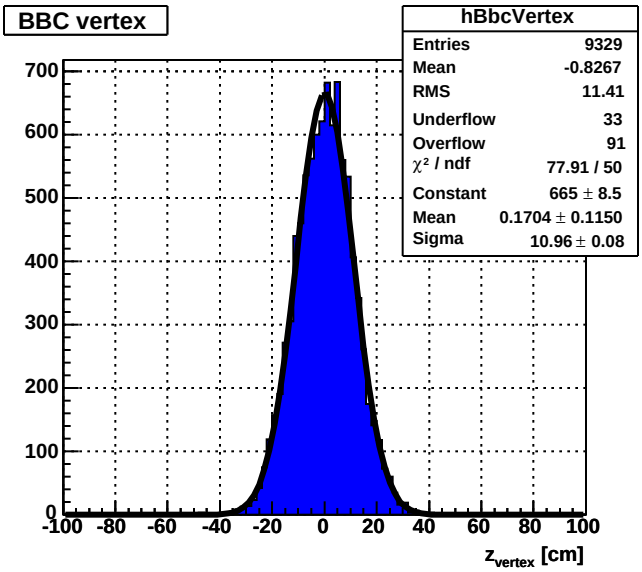

Tower Id1 1601-3200
hTowerId1b
Entries 3151
Mean 2379
RMS 457.4
Underflow 0
Overflow 0
softId

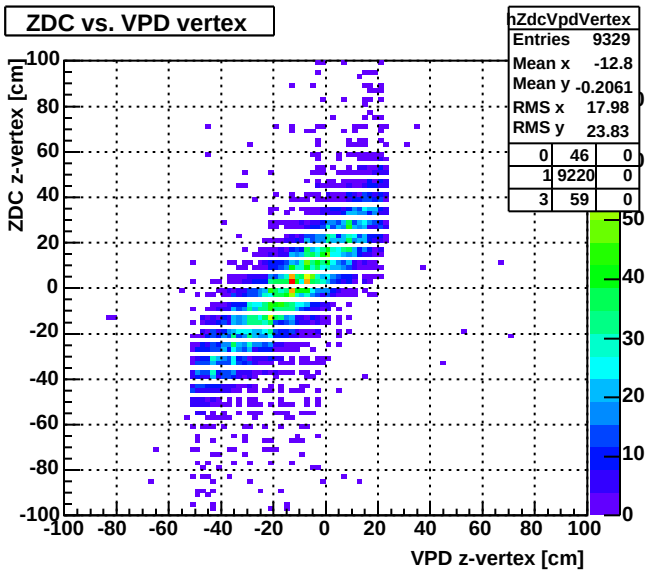

Tower Id2 1601-3200
hTowerId2b
Entries 3047
Mean 2403
RMS 476.7
Underflow 0
Overflow 0
softId

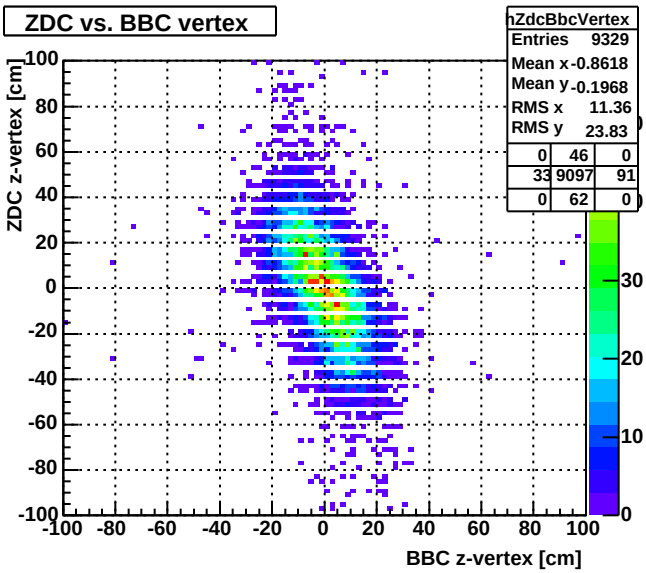

Tower Id1 3201-4800
hTowerId1c
Entries 2848
Mean 4072
RMS 481.7
Underflow 0
Overflow 0
softId

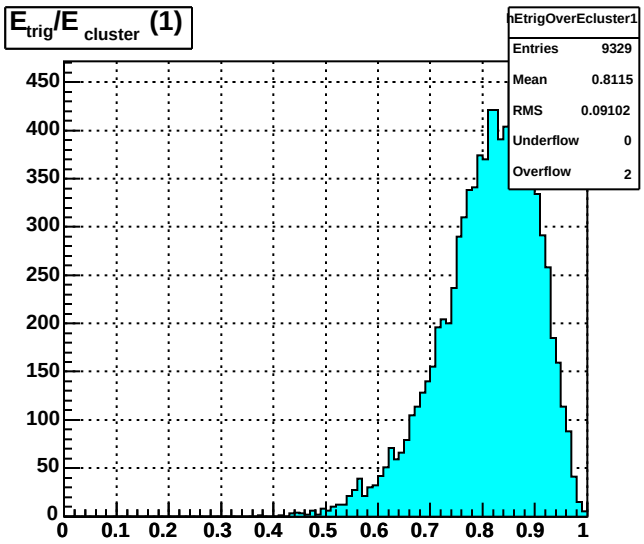

Tower Id2 3201-4800
hTowerId2c
Entries 3144
Mean 4003
RMS 459.5
Underflow 0
Overflow 0
softId

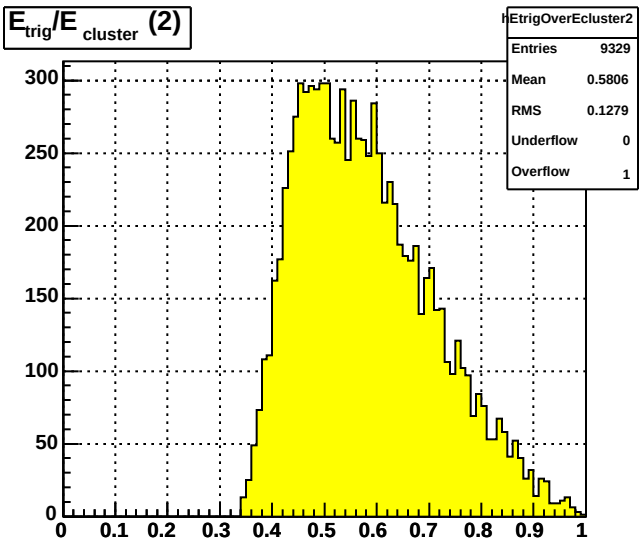

VPD vertex
hVpdVertex
Entries 9329
Mean -12.76
RMS 18.17
Underflow 4
Overflow 0
χ² / ndf 1201 / 56
Constant 412.3 ± 5.1
Mean -11.39 ± 0.18
Sigma 15.91 ± 0.09
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9329
Mean -0.8267
RMS 11.41
Underflow 33
Overflow 91
χ² / ndf 77.91 / 50
Constant 665 ± 8.5
Mean 0.1704 ± 0.1150
Sigma 10.96 ± 0.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9329
Mean x -12.8
Mean y -0.2061
RMS x 17.98
RMS y 23.83
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9329
Mean x -0.8618
Mean y -0.1968
RMS x 11.36
RMS y 23.83
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9329
Mean 0.8115
RMS 0.09102
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9329
Mean 0.5806
RMS 0.1279
Underflow 0
Overflow 1