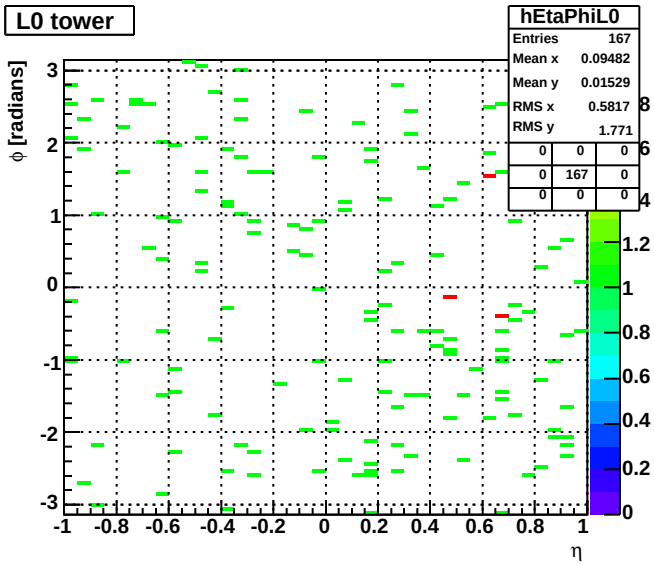
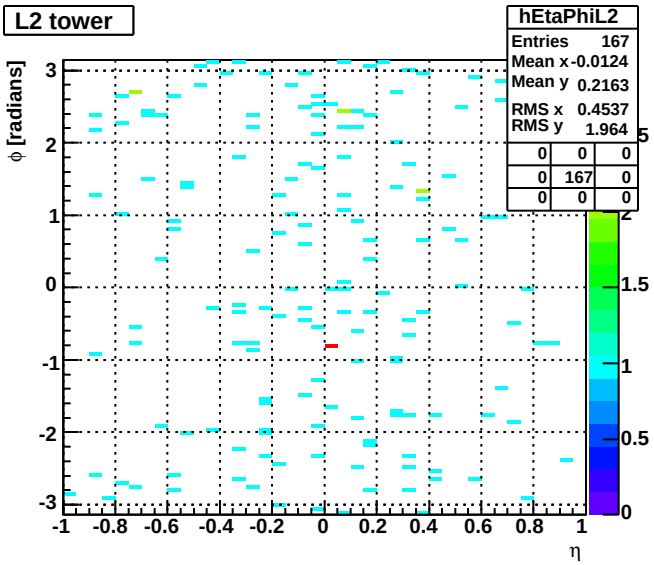
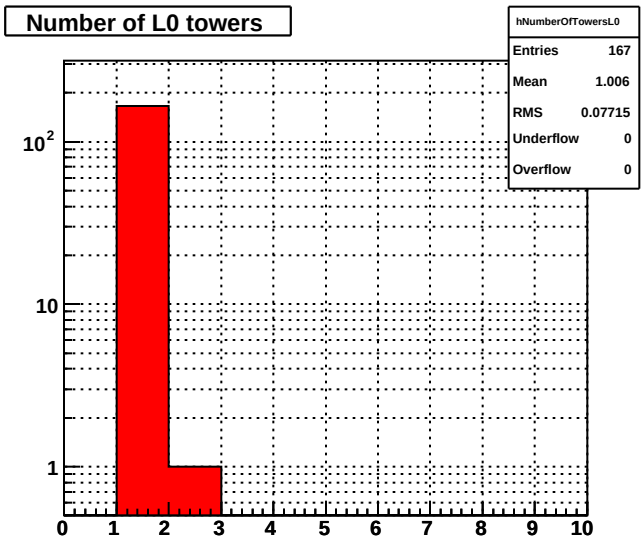
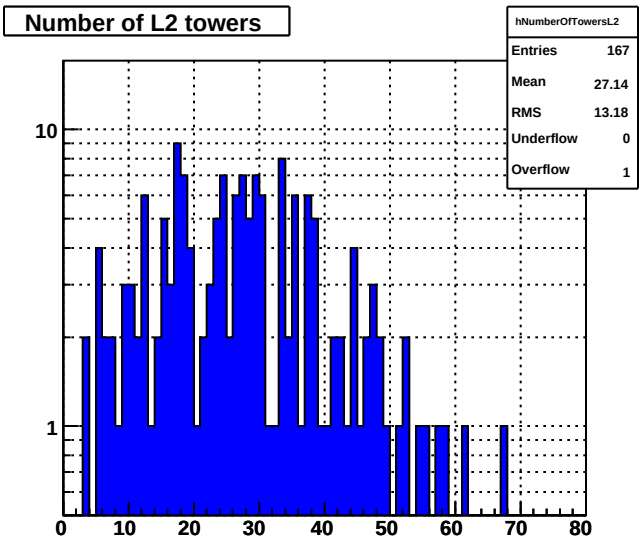
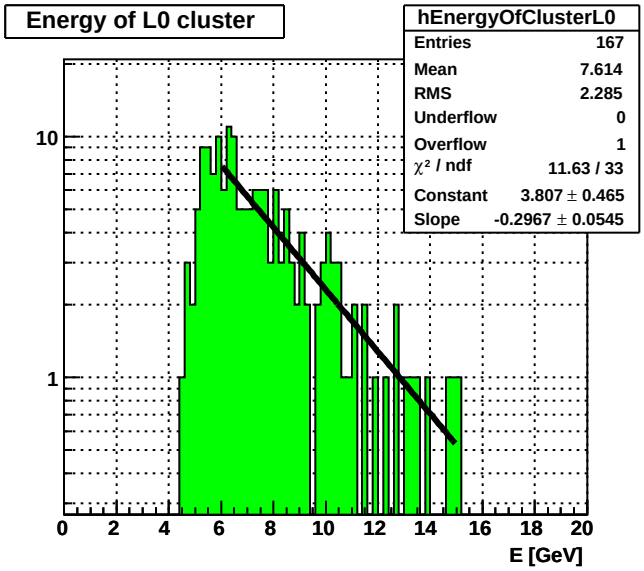
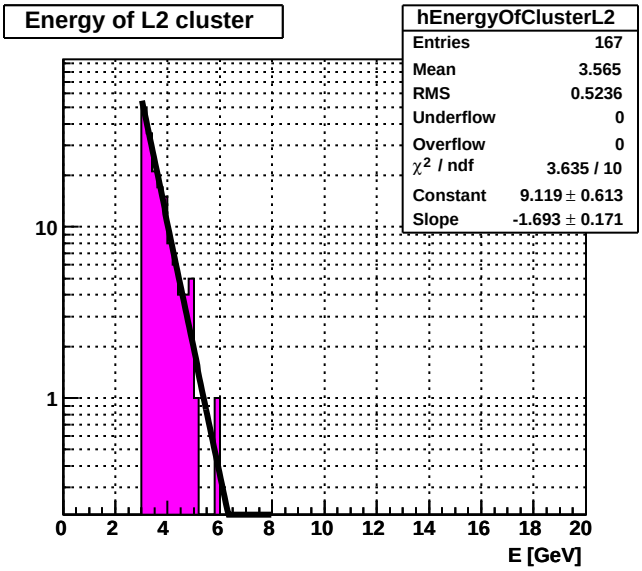

L0 tower
hEtaPhiL0
Entries 167
Mean x 0.09482
Mean y 0.01529
RMS x 0.5817
RMS y 1.771
φ [radians]
η

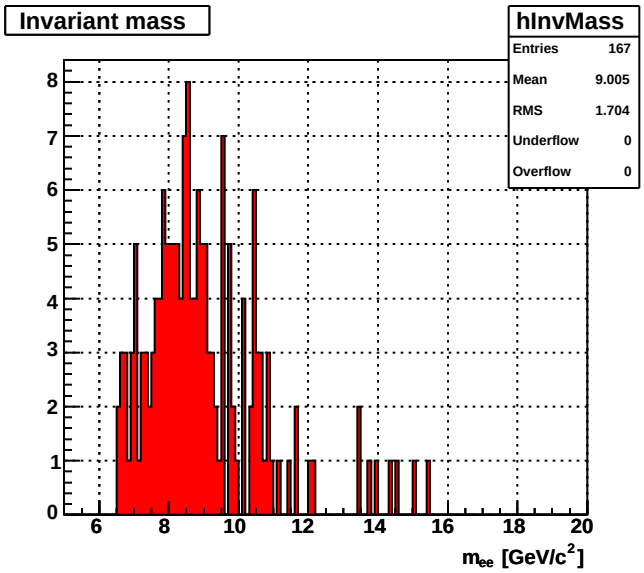

L2 tower
hEtaPhiL2
Entries 167
Mean x -0.0124
Mean y 0.2163
RMS x 0.4537
RMS y 1.964
φ [radians]
η

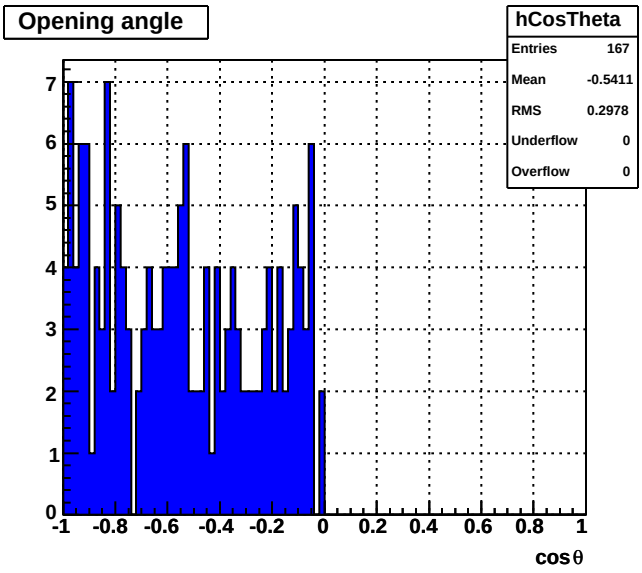

Number of L0 towers
hNumberOfTowersL0
Entries 167
Mean 1.006
RMS 0.07715
Underflow 0
Overflow 0

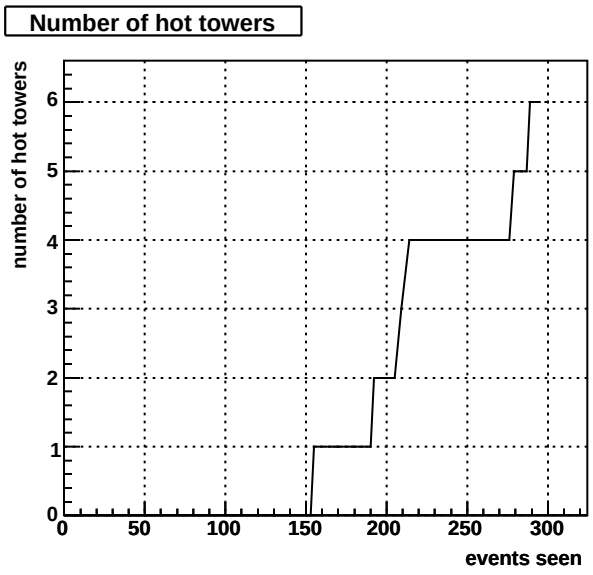

Number of L2 towers
hNumberOfTowersL2
Entries 167
Mean 27.14
RMS 13.18
Underflow 0
Overflow 1

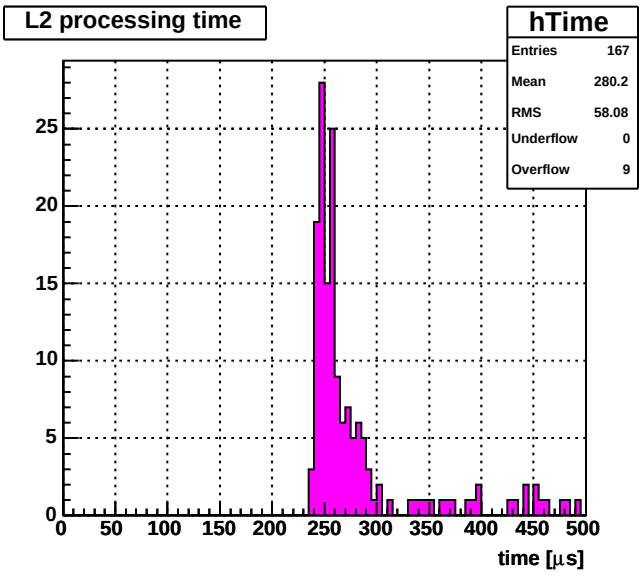

Energy of L0 cluster
hEnergyOfClusterL0
Entries 167
Mean 7.614
RMS 2.285
Underflow 0
Overflow 1
χ² / ndf 11.63 / 33
Constant 3.807 ± 0.465
Slope -0.2967 ± 0.0545
E [GeV]

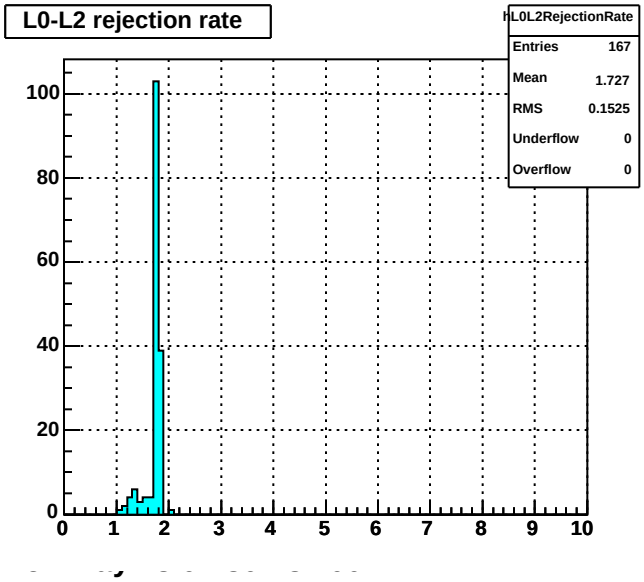

Energy of L2 cluster
hEnergyOfClusterL2
Entries 167
Mean 3.565
RMS 0.5236
Underflow 0
Overflow 0
χ² / ndf 3.635 / 10
Constant 9.119 ± 0.613
Slope -1.693 ± 0.171
E [GeV]

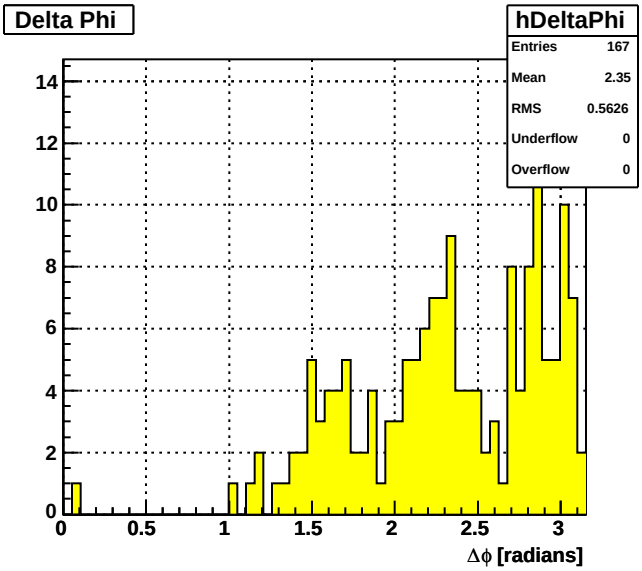

Invariant mass
hInvMass
Entries 167
Mean 9.005
RMS 1.704
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

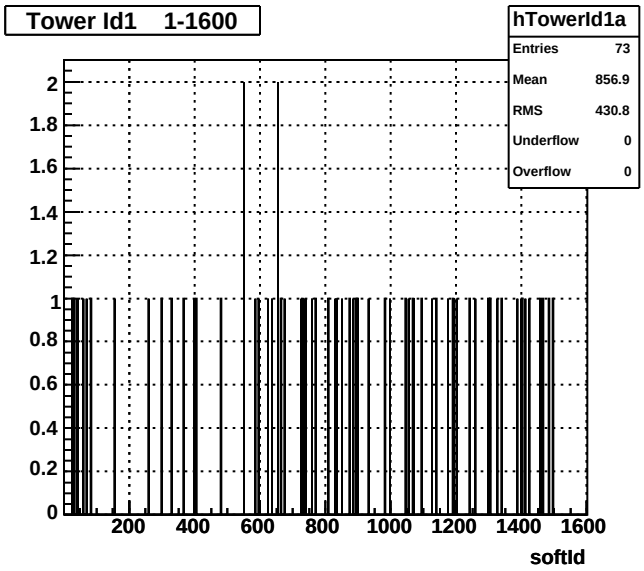

Opening angle
hCosTheta
Entries 167
Mean -0.5411
RMS 0.2978
Underflow 0
Overflow 0
cos θ

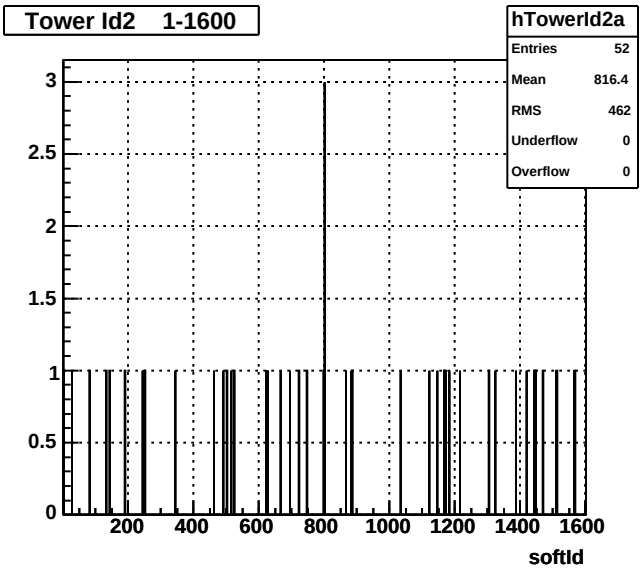

Number of hot towers
number of hot towers
events seen

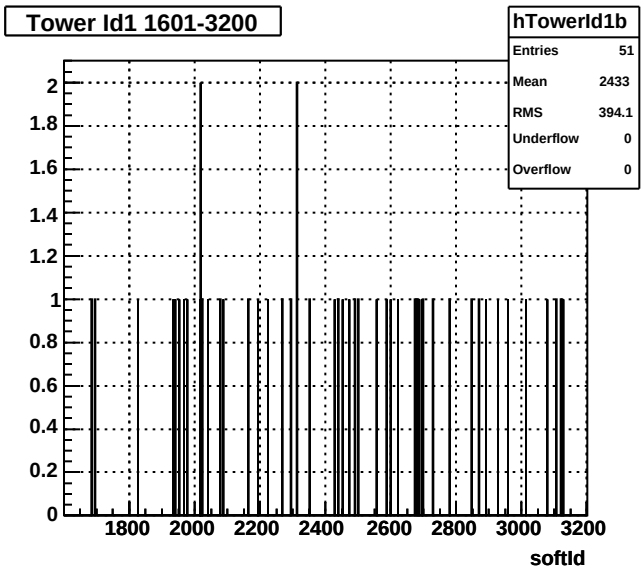

L2 processing time
hTime
Entries 167
Mean 280.2
RMS 58.08
Underflow 0
Overflow 9
time [μs]

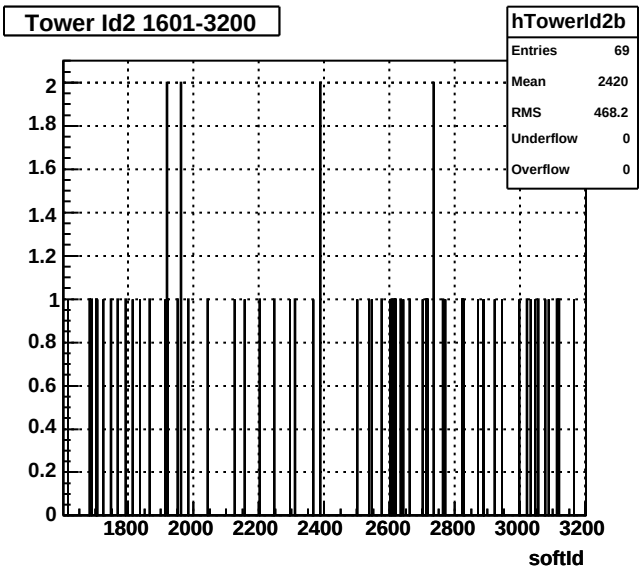

L0-L2 rejection rate
hL0L2RejectionRate
Entries 167
Mean 1.727
RMS 0.1525
Underflow 0
Overflow 0

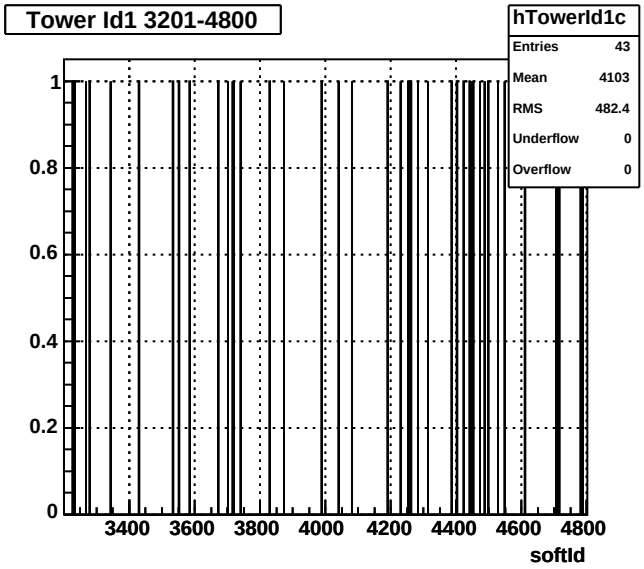

Delta Phi
hDeltaPhi
Entries 167
Mean 2.35
RMS 0.5626
Underflow 0
Overflow 0
Δφ [radians]

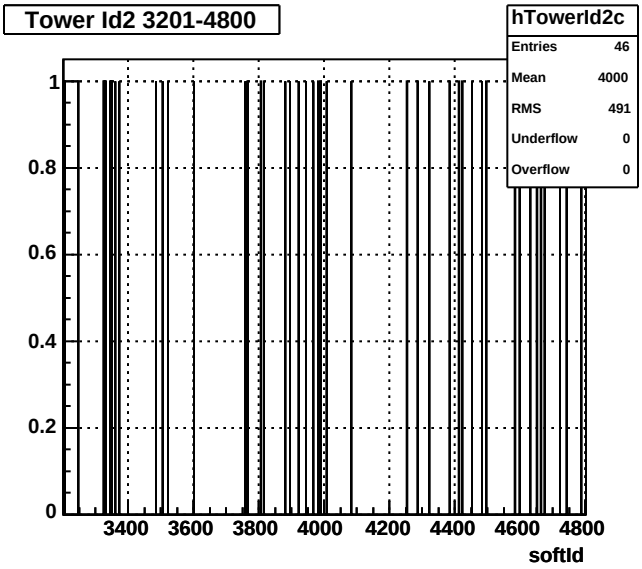

Tower Id1 1-1600
hTowerId1a
Entries 73
Mean 856.9
RMS 430.8
Underflow 0
Overflow 0
softId

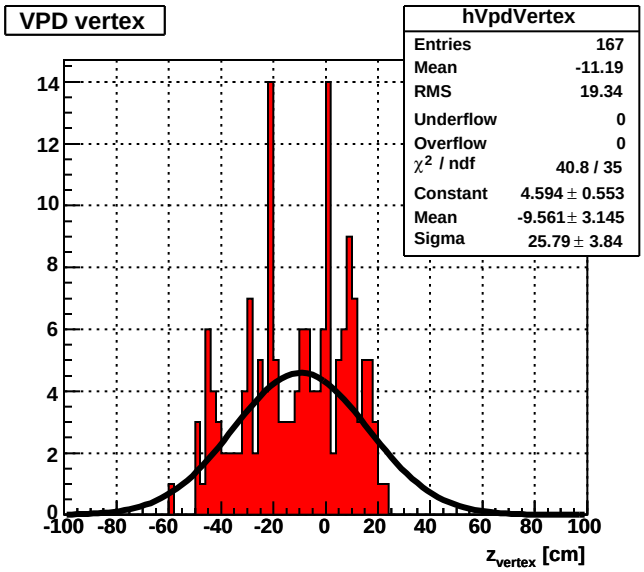

Tower Id2 1-1600
hTowerId2a
Entries 52
Mean 816.4
RMS 462
Underflow 0
Overflow 0
softId

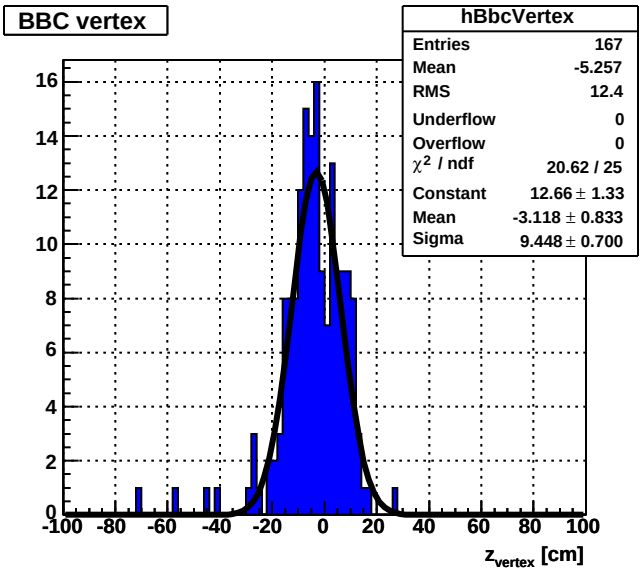

Tower Id1 1601-3200
hTowerId1b
Entries 51
Mean 2433
RMS 394.1
Underflow 0
Overflow 0
softId

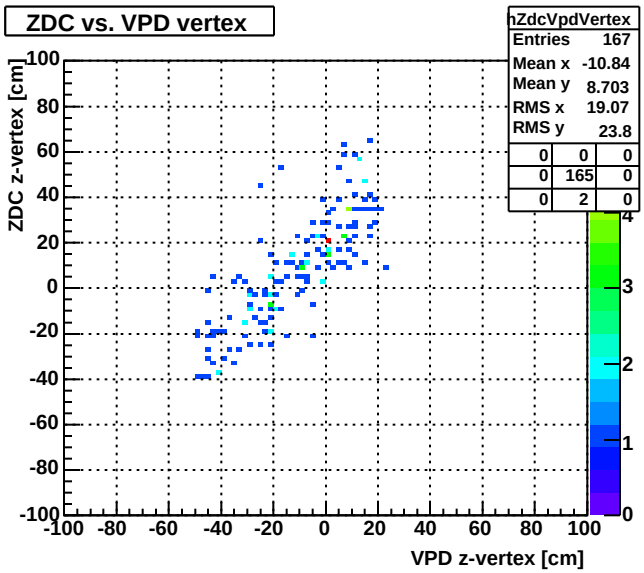

Tower Id2 1601-3200
hTowerId2b
Entries 69
Mean 2420
RMS 468.2
Underflow 0
Overflow 0
softId

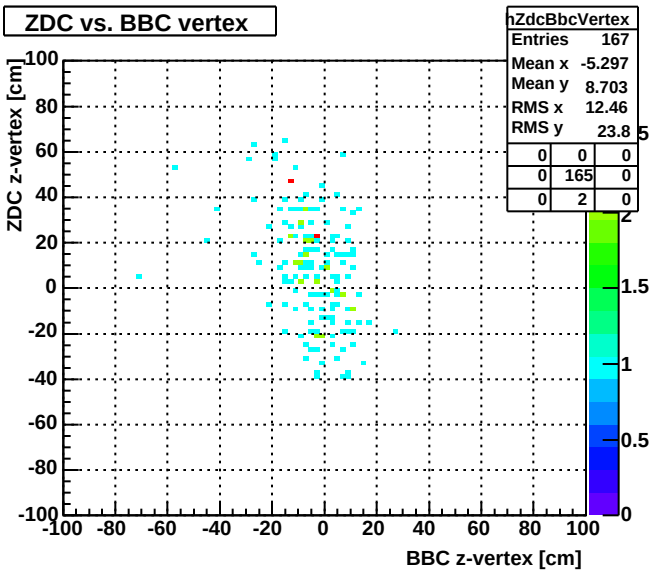

Tower Id1 3201-4800
hTowerId1c
Entries 43
Mean 4103
RMS 482.4
Underflow 0
Overflow 0
softId

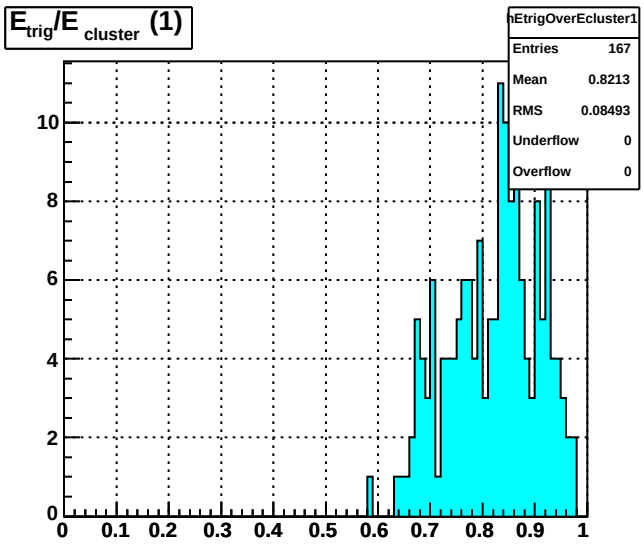

Tower Id2 3201-4800
hTowerId2c
Entries 46
Mean 4000
RMS 491
Underflow 0
Overflow 0
softId

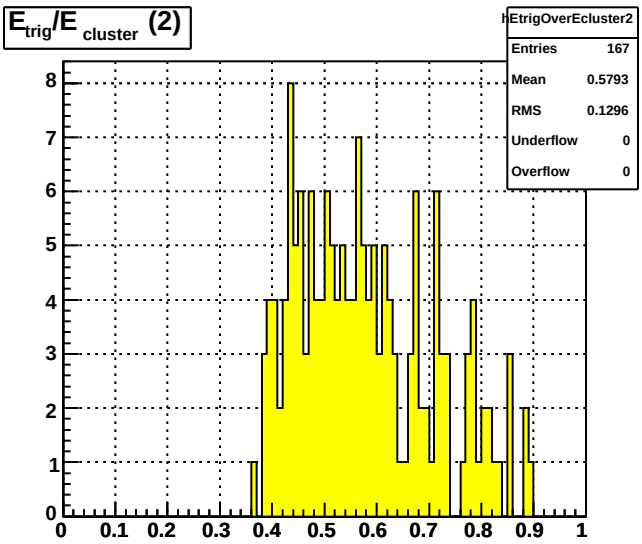

VPD vertex
hVpdVertex
Entries 167
Mean -11.19
RMS 19.34
Underflow 0
Overflow 0
χ² / ndf 40.8 / 35
Constant 4.594 ± 0.553
Mean -9.561 ± 3.145
Sigma 25.79 ± 3.84
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 167
Mean -5.257
RMS 12.4
Underflow 0
Overflow 0
χ² / ndf 20.62 / 25
Constant 12.66 ± 1.33
Mean -3.118 ± 0.833
Sigma 9.448 ± 0.700
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 167
Mean x -10.84
Mean y 8.703
RMS x 19.07
RMS y 23.8
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 167
Mean x -5.297
Mean y 8.703
RMS x 12.46
RMS y 23.8
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 167
Mean 0.8213
RMS 0.08493
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 167
Mean 0.5793
RMS 0.1296
Underflow 0
Overflow 0