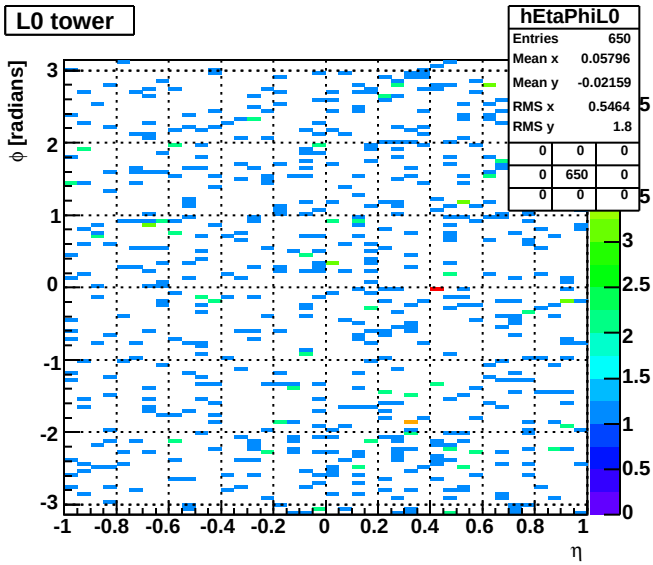
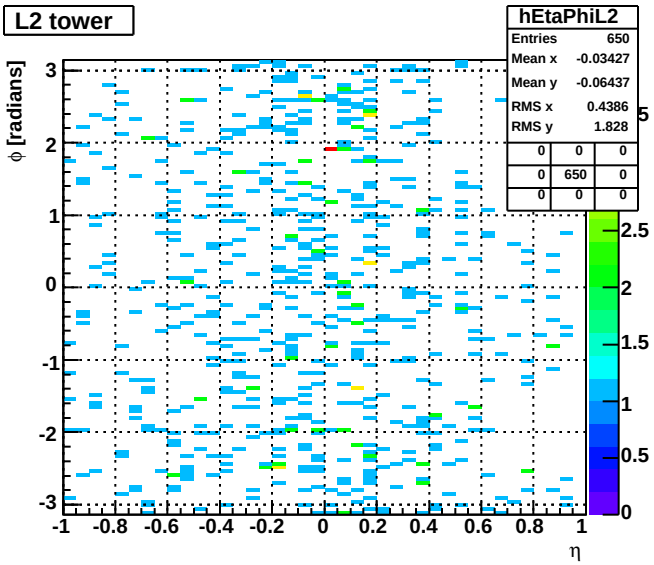
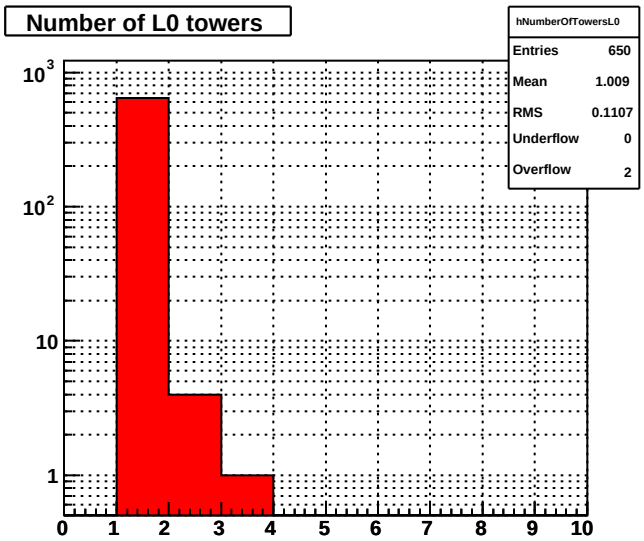
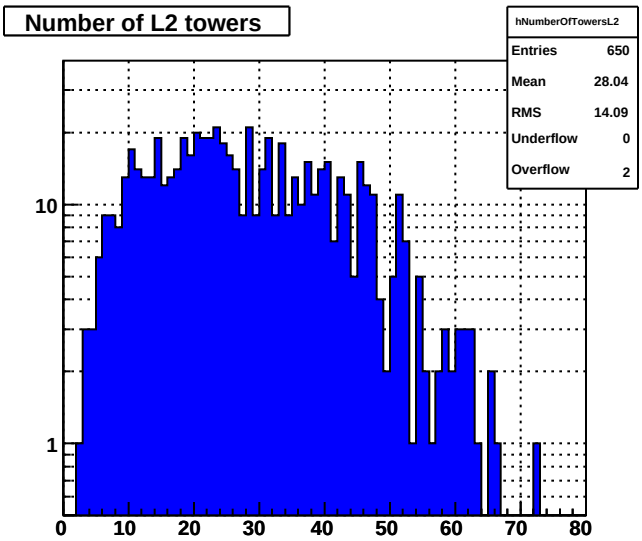
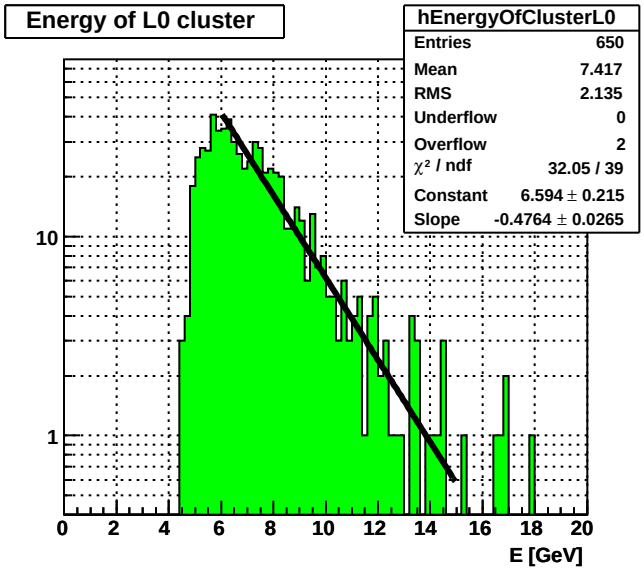
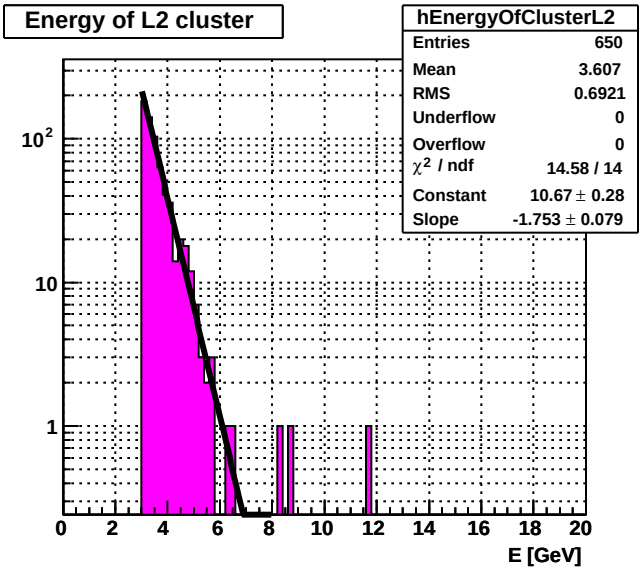

L0 tower
hEtaPhiL0
Entries 650
Mean x 0.05796
Mean y -0.02159
RMS x 0.5464
RMS y 1.8
φ [radians]
η

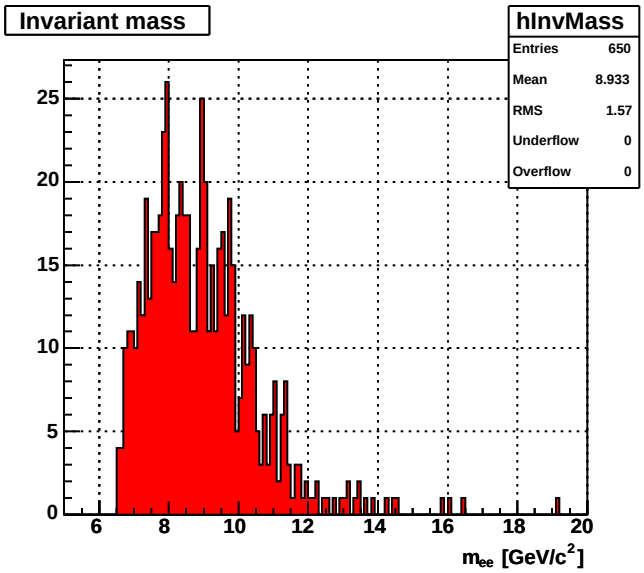

L2 tower
hEtaPhiL2
Entries 650
Mean x -0.03427
Mean y -0.06437
RMS x 0.4386
RMS y 1.828
φ [radians]
η

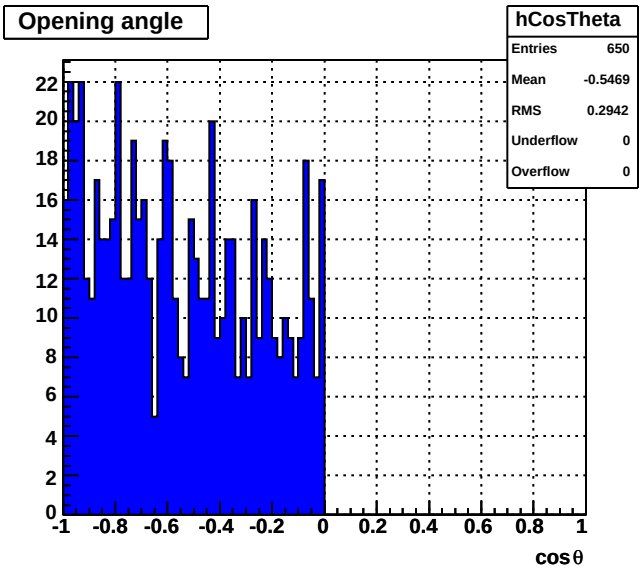

Number of L0 towers
hNumberOfTowersL0
Entries 650
Mean 1.009
RMS 0.1107
Underflow 0
Overflow 2

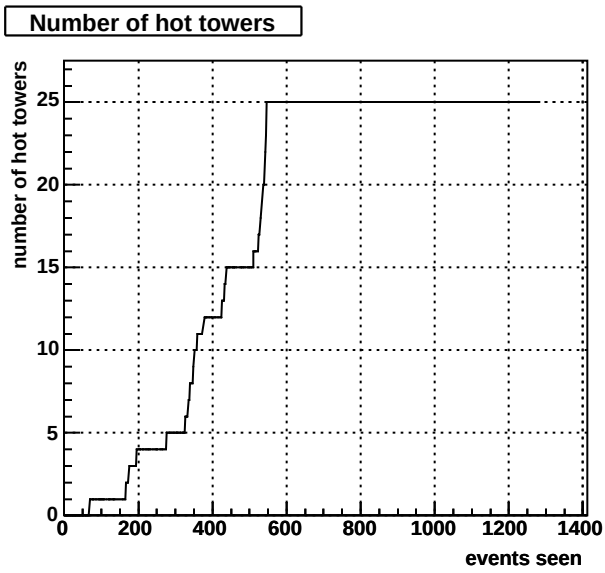

Number of L2 towers
hNumberOfTowersL2
Entries 650
Mean 28.04
RMS 14.09
Underflow 0
Overflow 2

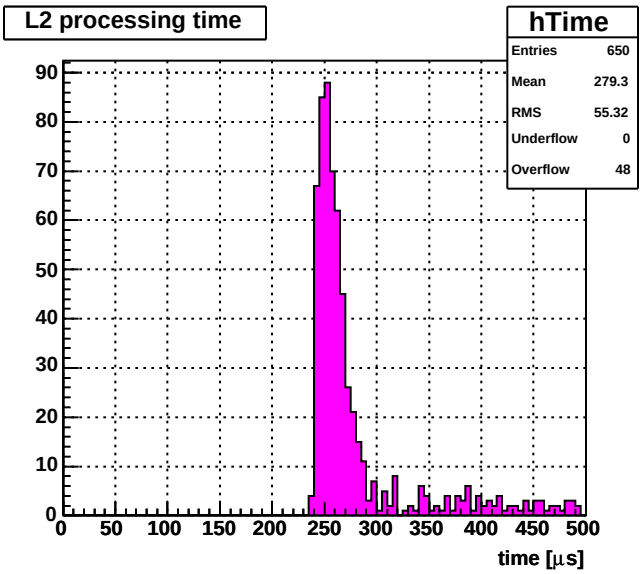

Energy of L0 cluster
hEnergyOfClusterL0
Entries 650
Mean 7.417
RMS 2.135
Underflow 0
Overflow 2
χ² / ndf 32.05 / 39
Constant 6.594 ± 0.215
Slope -0.4764 ± 0.0265
E [GeV]

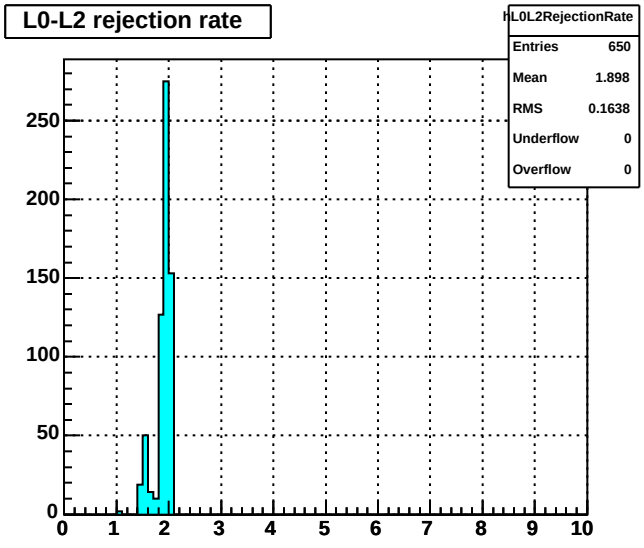

Energy of L2 cluster
hEnergyOfClusterL2
Entries 650
Mean 3.607
RMS 0.6921
Underflow 0
Overflow 0
χ² / ndf 14.58 / 14
Constant 10.67 ± 0.28
Slope -1.753 ± 0.079
E [GeV]

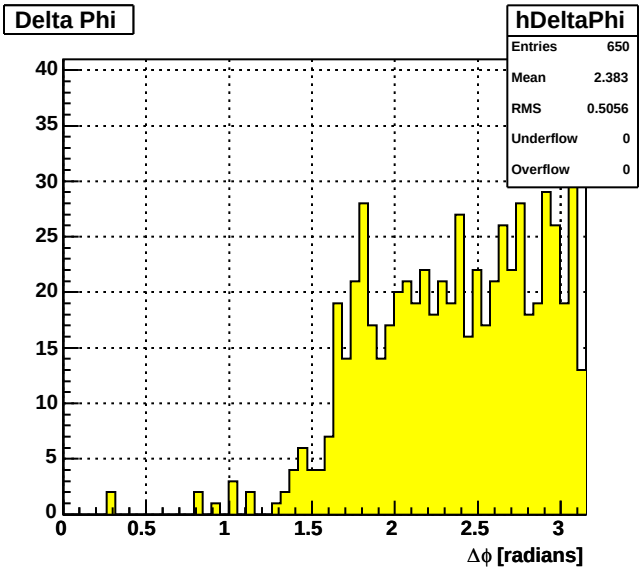

Invariant mass
hInvMass
Entries 650
Mean 8.933
RMS 1.57
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

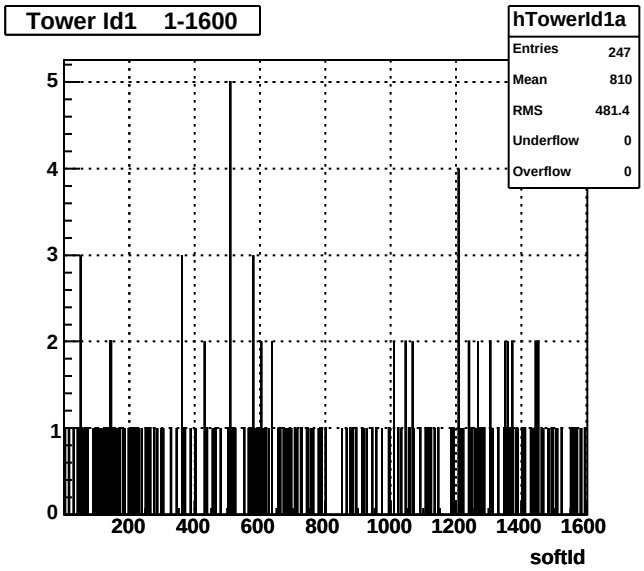

Opening angle
hCosTheta
Entries 650
Mean -0.5469
RMS 0.2942
Underflow 0
Overflow 0
cos θ

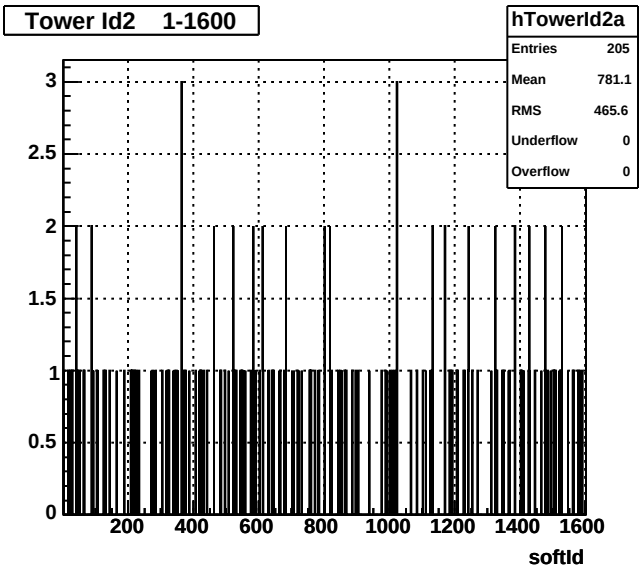

Number of hot towers
number of hot towers
events seen

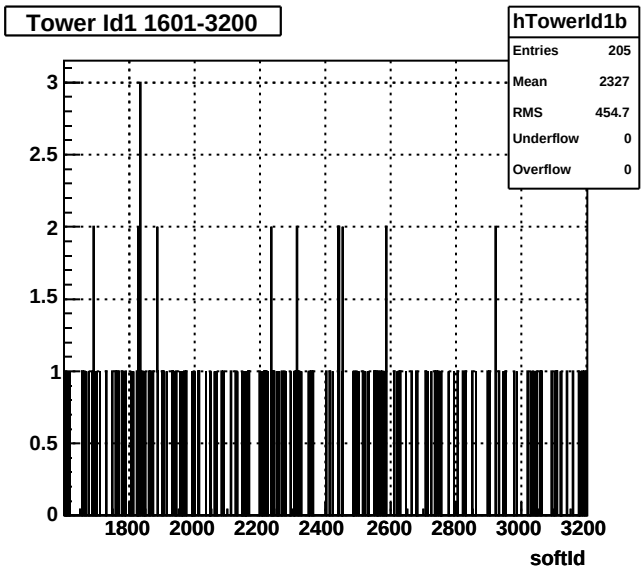

L2 processing time
hTime
Entries 650
Mean 279.3
RMS 55.32
Underflow 0
Overflow 48
time [μs]

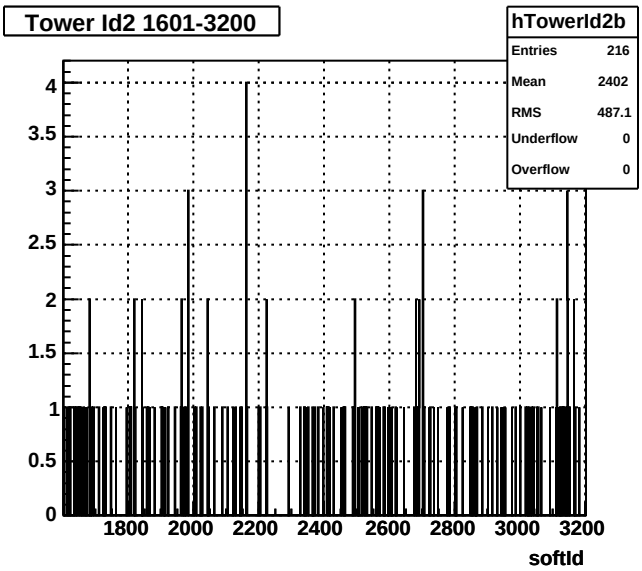

L0-L2 rejection rate
hL0L2RejectionRate
Entries 650
Mean 1.898
RMS 0.1638
Underflow 0
Overflow 0

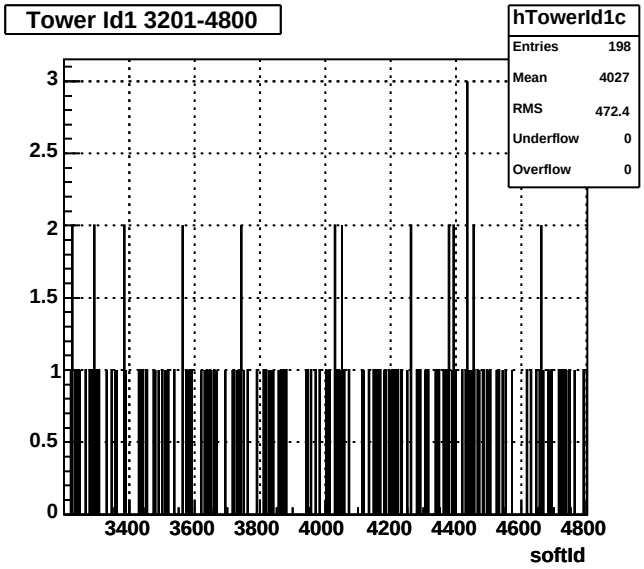

Delta Phi
hDeltaPhi
Entries 650
Mean 2.383
RMS 0.5056
Underflow 0
Overflow 0
Δφ [radians]

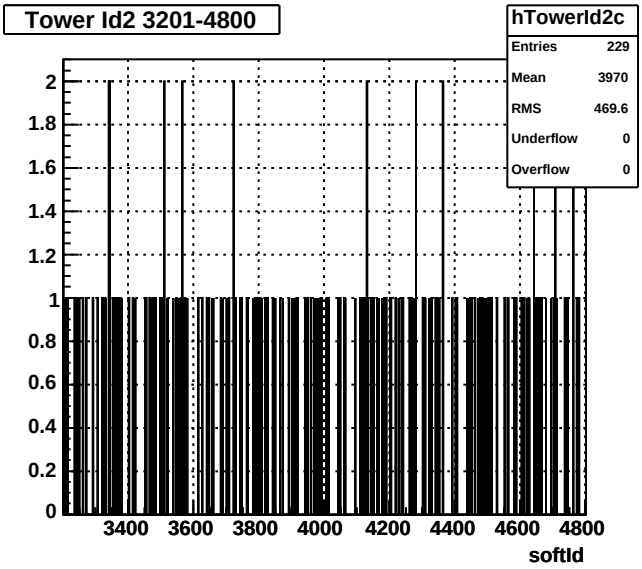

Tower Id1 1-1600
hTowerId1a
Entries 247
Mean 810
RMS 481.4
Underflow 0
Overflow 0
softId

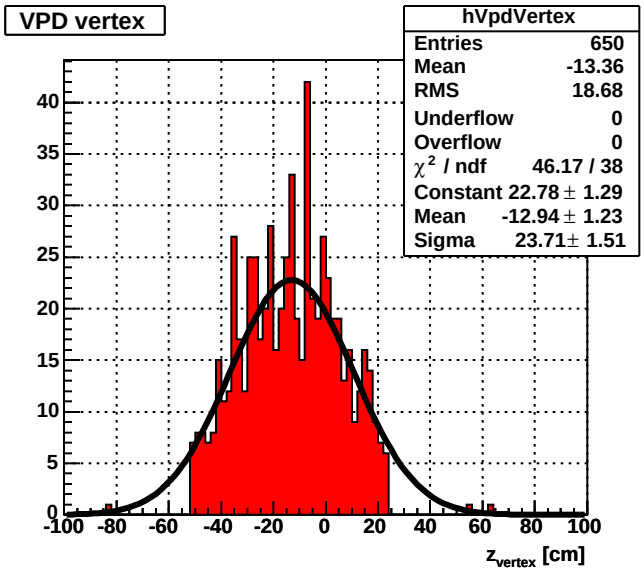

Tower Id2 1-1600
hTowerId2a
Entries 205
Mean 781.1
RMS 465.6
Underflow 0
Overflow 0
softId

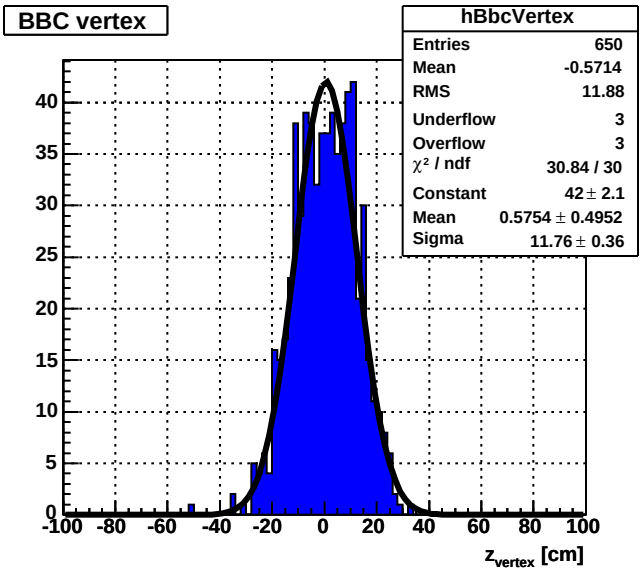

Tower Id1 1601-3200
hTowerId1b
Entries 205
Mean 2327
RMS 454.7
Underflow 0
Overflow 0
softId

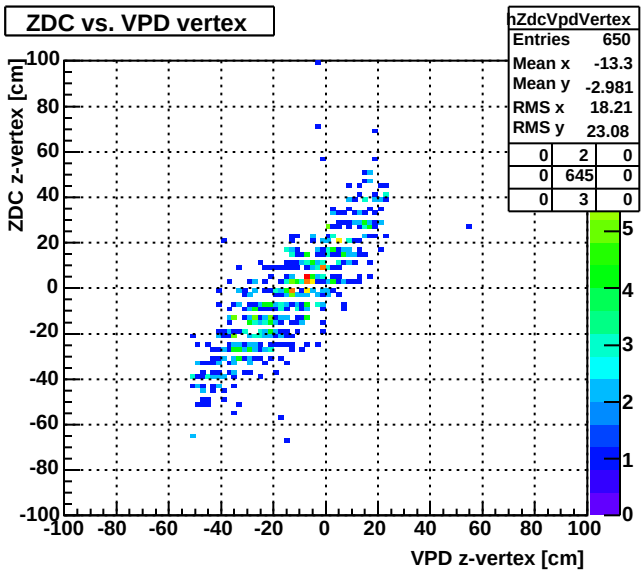

Tower Id2 1601-3200
hTowerId2b
Entries 216
Mean 2402
RMS 487.1
Underflow 0
Overflow 0
softId

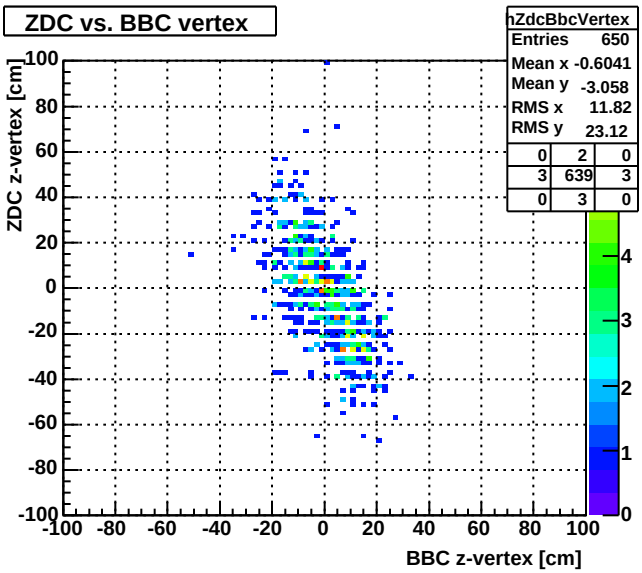

Tower Id1 3201-4800
hTowerId1c
Entries 198
Mean 4027
RMS 472.4
Underflow 0
Overflow 0
softId

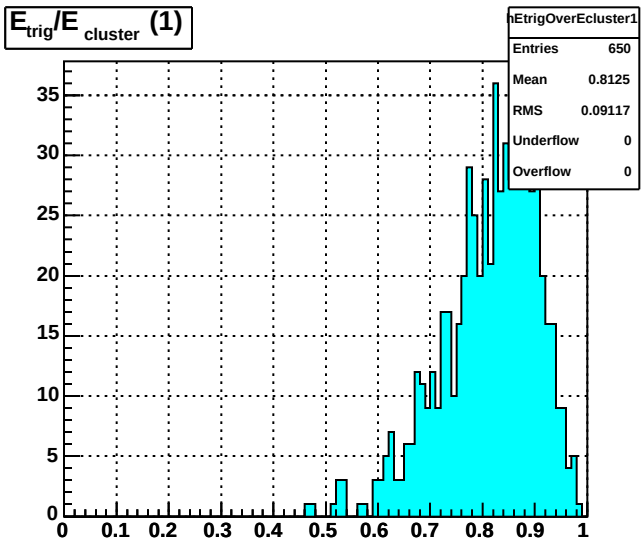

Tower Id2 3201-4800
hTowerId2c
Entries 229
Mean 3970
RMS 469.6
Underflow 0
Overflow 0
softId

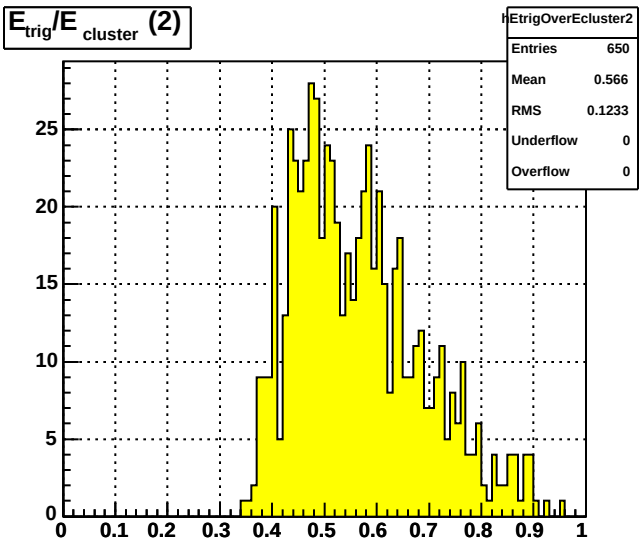

VPD vertex
hVpdVertex
Entries 650
Mean -13.36
RMS 18.68
Underflow 0
Overflow 0
χ² / ndf 46.17 / 38
Constant 22.78 ± 1.29
Mean -12.94 ± 1.23
Sigma 23.71 ± 1.51
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 650
Mean -0.5714
RMS 11.88
Underflow 3
Overflow 3
χ² / ndf 30.84 / 30
Constant 42 ± 2.1
Mean 0.5754 ± 0.4952
Sigma 11.76 ± 0.36
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 650
Mean x -13.3
Mean y -2.981
RMS x 18.21
RMS y 23.08
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 650
Mean x -0.6041
Mean y -3.058
RMS x 11.82
RMS y 23.12
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 650
Mean 0.8125
RMS 0.09117
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 650
Mean 0.566
RMS 0.1233
Underflow 0
Overflow 0