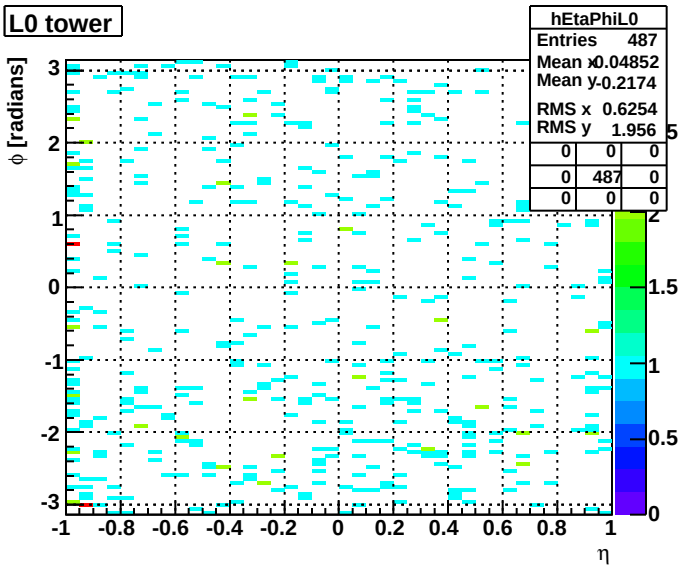
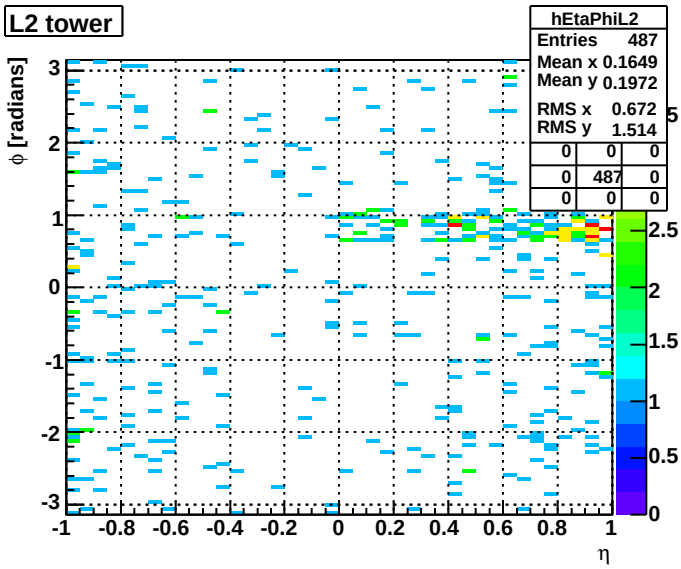
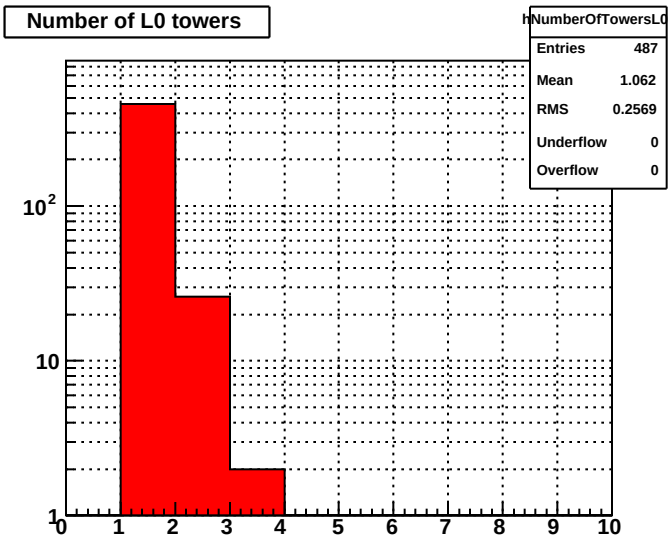
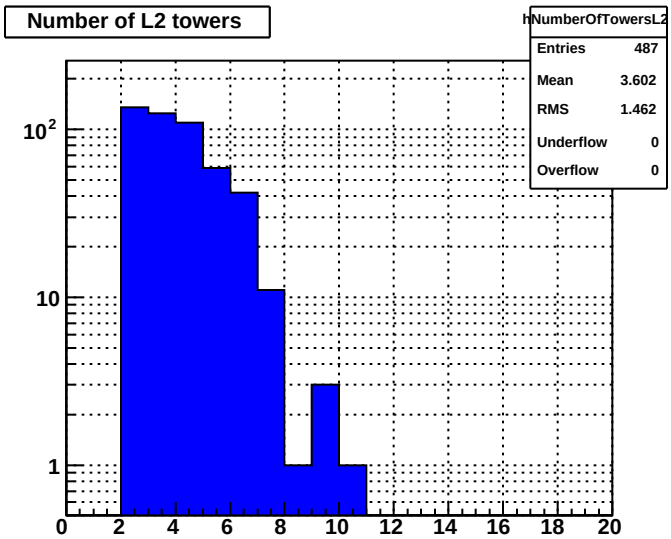
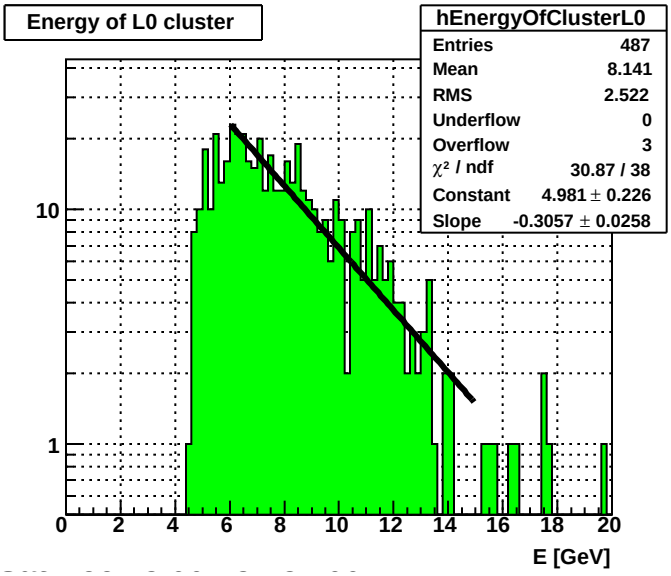
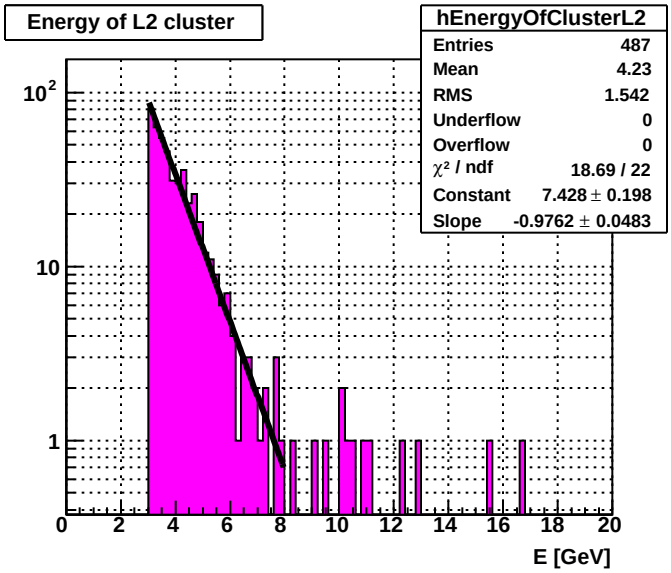

L0 tower
hEtaPhiL0
Entries 487
Mean x 0.04852
Mean y -0.2174
RMS x 0.6254
RMS y 1.956
φ [radians]
η

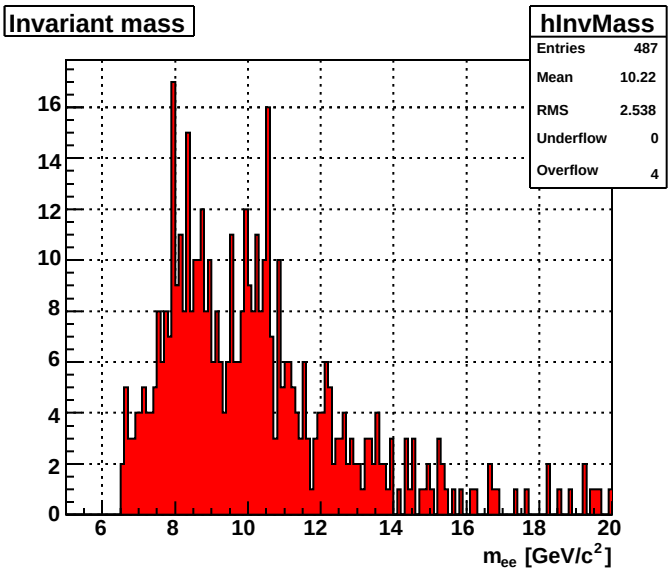

L2 tower
hEtaPhiL2
Entries 487
Mean x 0.1649
Mean y 0.1972
RMS x 0.672
RMS y 1.514
φ [radians]
η

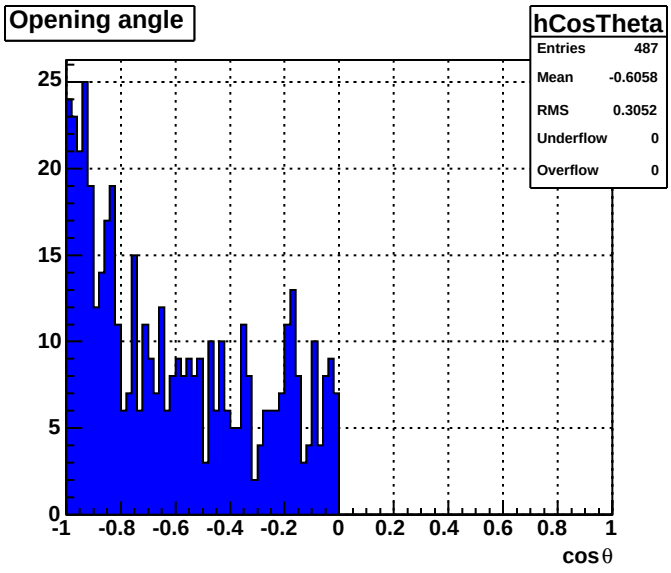

Number of L0 towers
hNumberOfTowersL0
Entries 487
Mean 1.062
RMS 0.2569
Underflow 0
Overflow 0

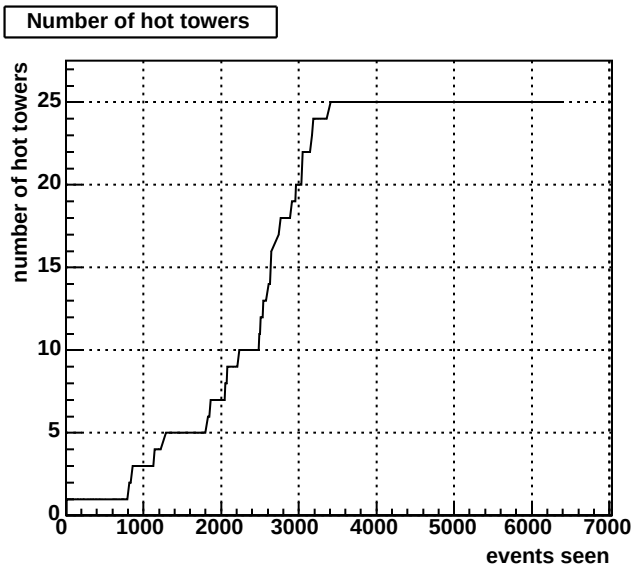

Number of L2 towers
hNumberOfTowersL2
Entries 487
Mean 3.602
RMS 1.462
Underflow 0
Overflow 0

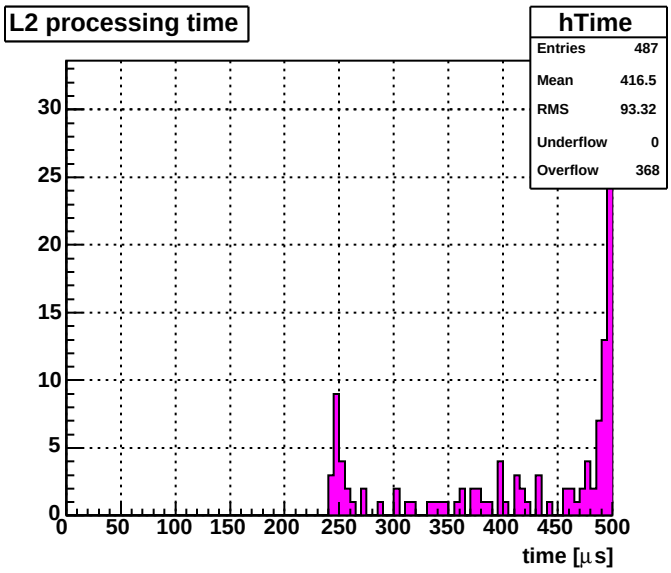

Energy of L0 cluster
hEnergyOfClusterL0
Entries 487
Mean 8.141
RMS 2.522
Underflow 0
Overflow 3
χ² / ndf 30.87 / 38
Constant 4.981 ± 0.226
Slope -0.3057 ± 0.0258
E [GeV]

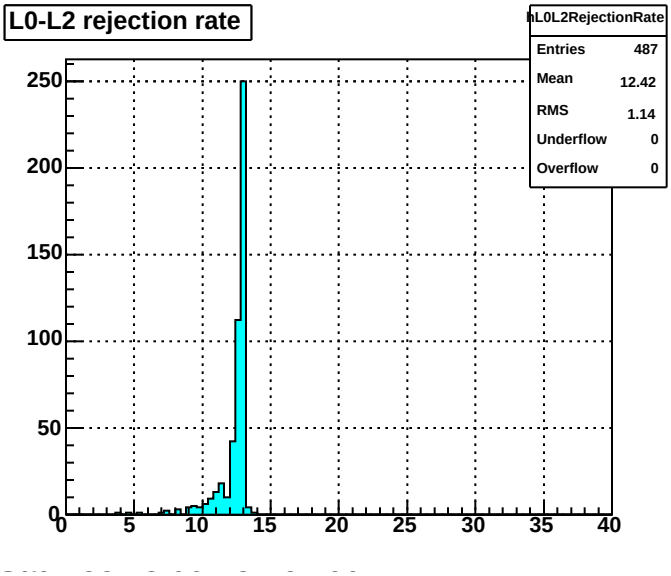

Energy of L2 cluster
hEnergyOfClusterL2
Entries 487
Mean 4.23
RMS 1.542
Underflow 0
Overflow 0
χ² / ndf 18.69 / 22
Constant 7.428 ± 0.198
Slope -0.9762 ± 0.0483
E [GeV]

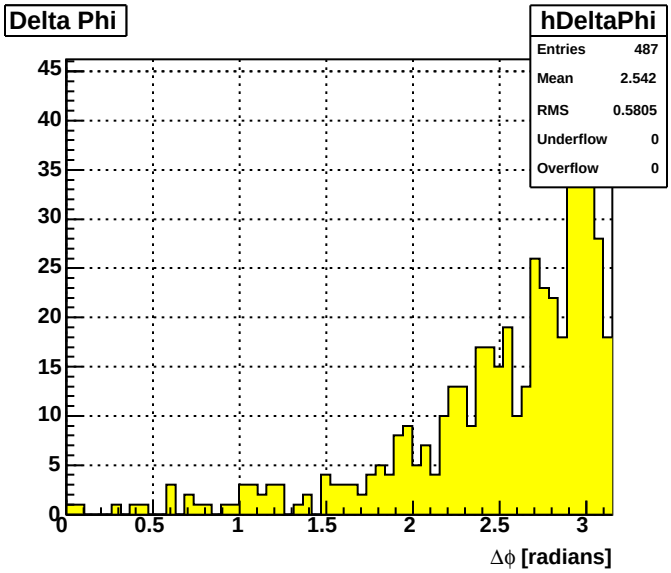

Invariant mass
hInvMass
Entries 487
Mean 10.22
RMS 2.538
Underflow 0
Overflow 4
m_{ee} [GeV/c^2]

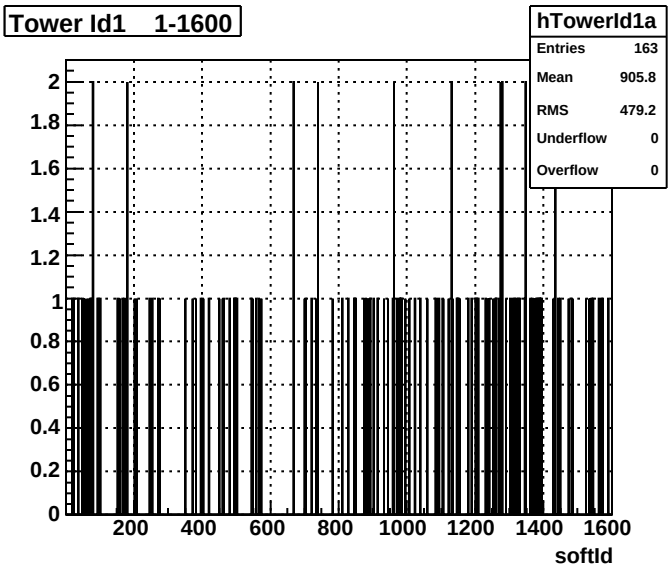

Opening angle
hCosTheta
Entries 487
Mean -0.6058
RMS 0.3052
Underflow 0
Overflow 0
cos θ

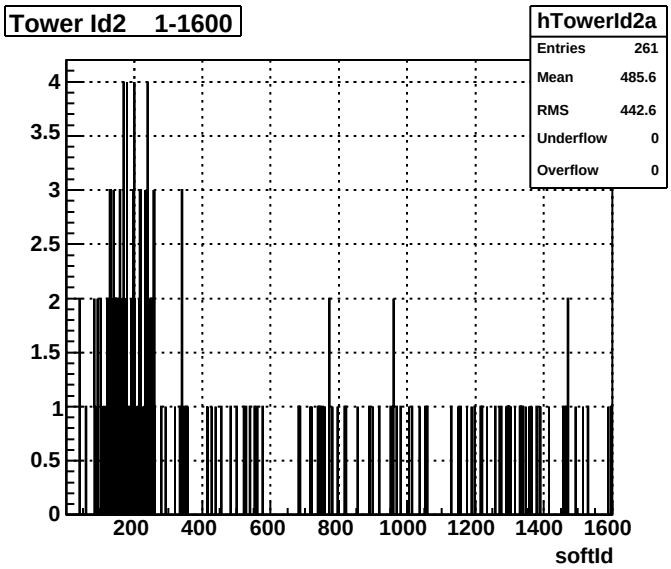

Number of hot towers
number of hot towers
events seen

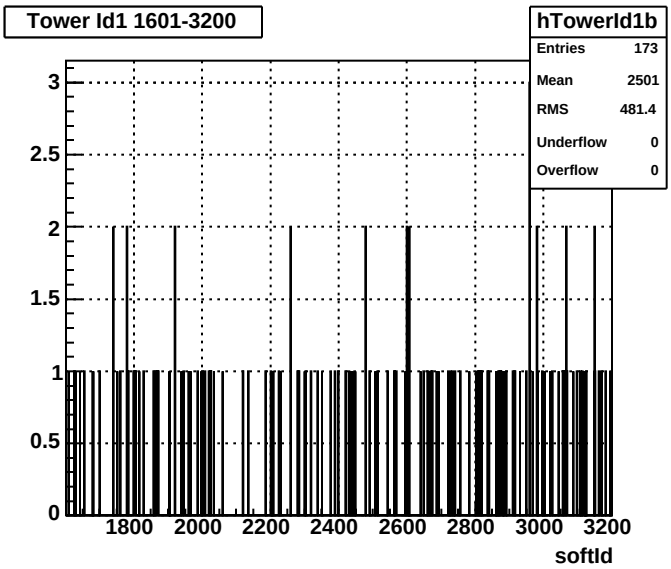

L2 processing time
hTime
Entries 487
Mean 416.5
RMS 93.32
Underflow 0
Overflow 368
time [μs]

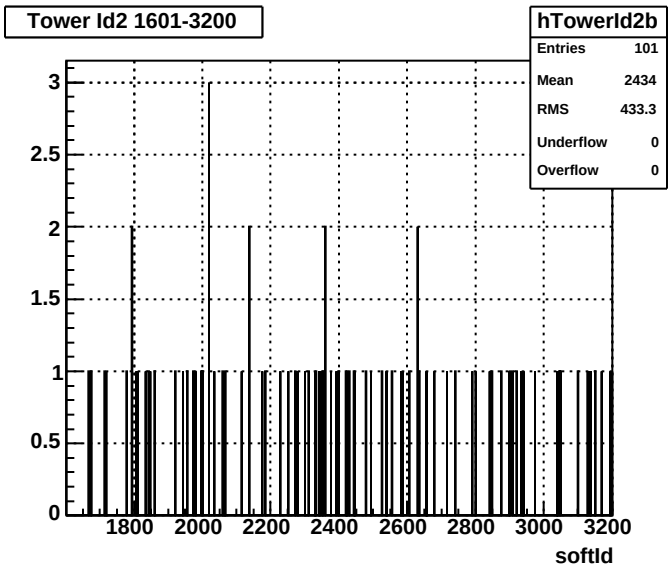

L0-L2 rejection rate
hL0L2RejectionRate
Entries 487
Mean 12.42
RMS 1.14
Underflow 0
Overflow 0

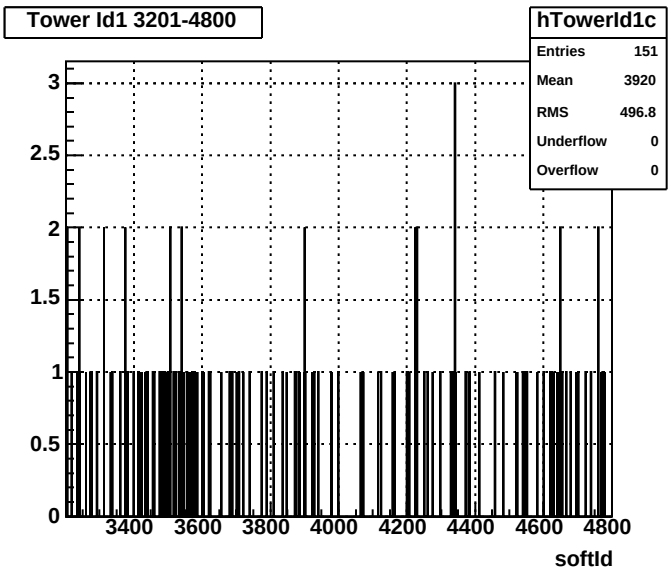

Delta Phi
hDeltaPhi
Entries 487
Mean 2.542
RMS 0.5805
Underflow 0
Overflow 0
Δφ [radians]

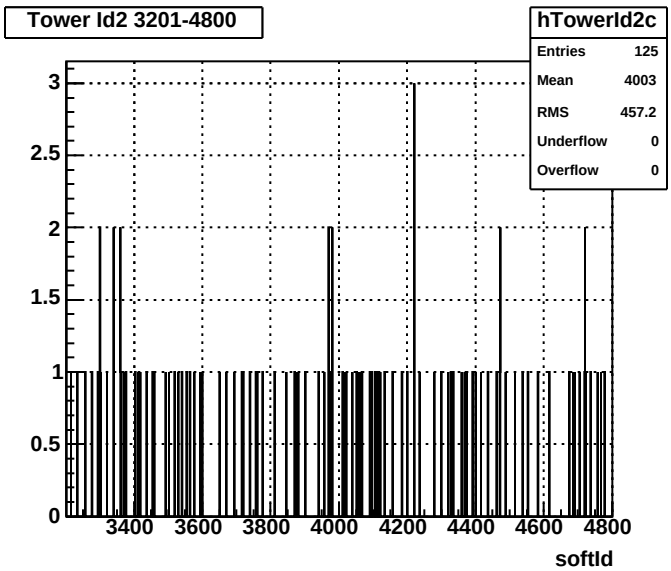

Tower Id1 1-1600
hTowerId1a
Entries 163
Mean 905.8
RMS 479.2
Underflow 0
Overflow 0
softId

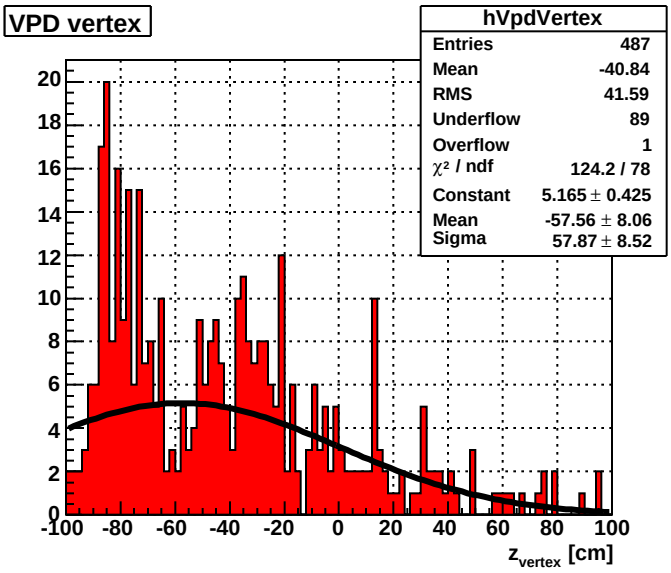

Tower Id2 1-1600
hTowerId2a
Entries 261
Mean 485.6
RMS 442.6
Underflow 0
Overflow 0
softId

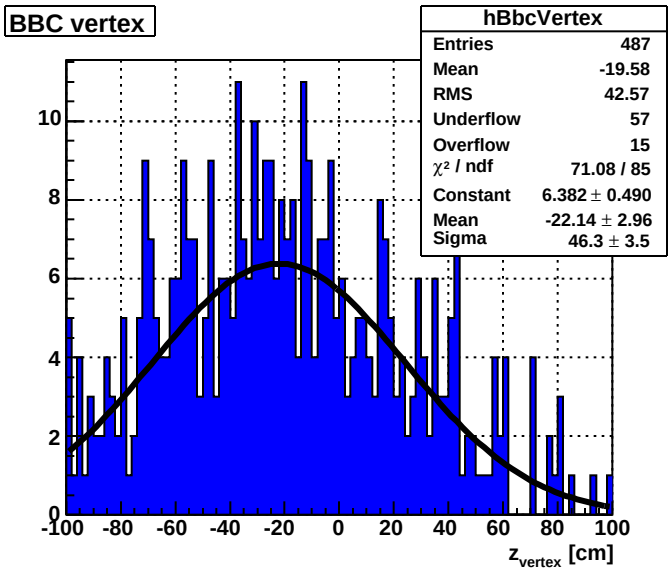

Tower Id1 1601-3200
hTowerId1b
Entries 173
Mean 2501
RMS 481.4
Underflow 0
Overflow 0
softId

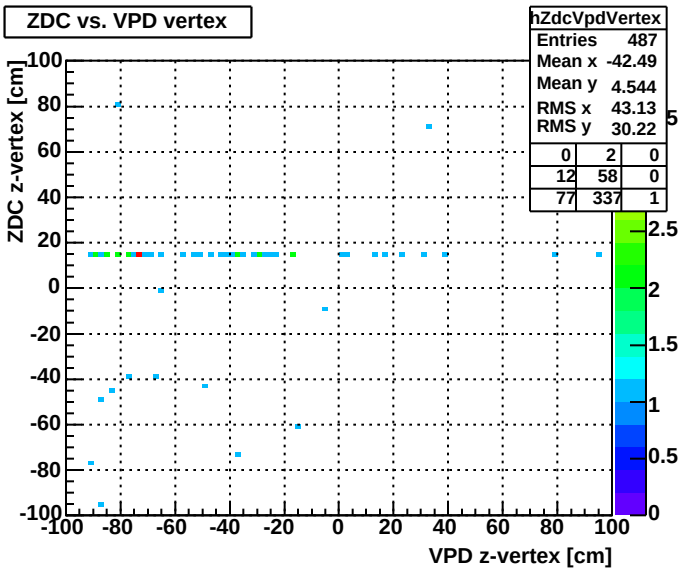

Tower Id2 1601-3200
hTowerId2b
Entries 101
Mean 2434
RMS 433.3
Underflow 0
Overflow 0
softId

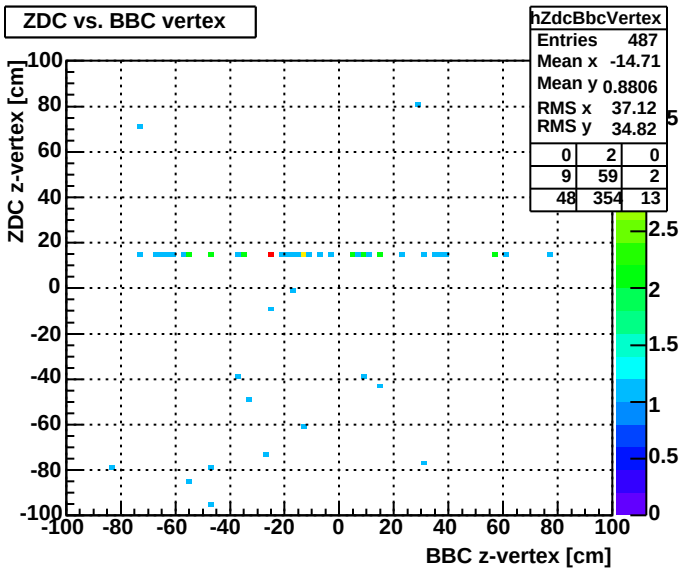

Tower Id1 3201-4800
hTowerId1c
Entries 151
Mean 3920
RMS 496.8
Underflow 0
Overflow 0
softId

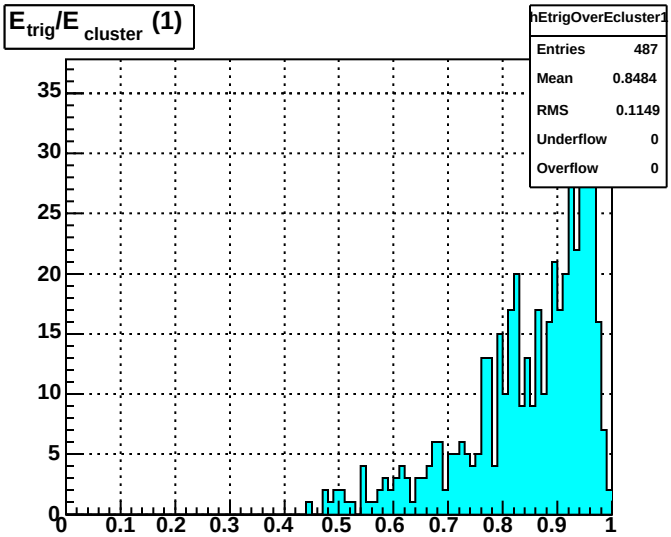

Tower Id2 3201-4800
hTowerId2c
Entries 125
Mean 4003
RMS 457.2
Underflow 0
Overflow 0
softId

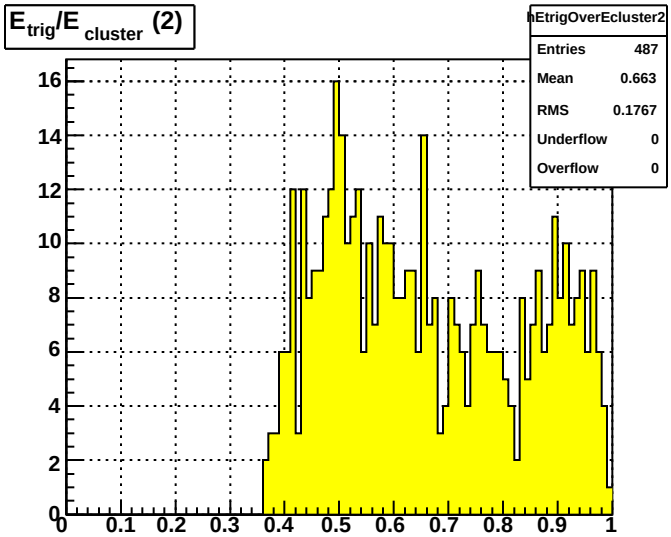

VPD vertex
hVpdVertex
Entries 487
Mean -40.84
RMS 41.59
Underflow 89
Overflow 1
χ² / ndf 124.2 / 78
Constant 5.165 ± 0.425
Mean -57.56 ± 8.06
Sigma 57.87 ± 8.52
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 487
Mean -19.58
RMS 42.57
Underflow 57
Overflow 15
χ² / ndf 71.08 / 85
Constant 6.382 ± 0.490
Mean -22.14 ± 2.96
Sigma 46.3 ± 3.5
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 487
Mean x -42.49
Mean y 4.544
RMS x 43.13
RMS y 30.22
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 487
Mean x -14.71
Mean y 0.8806
RMS x 37.12
RMS y 34.82
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 487
Mean 0.8484
RMS 0.1149
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 487
Mean 0.663
RMS 0.1767
Underflow 0
Overflow 0