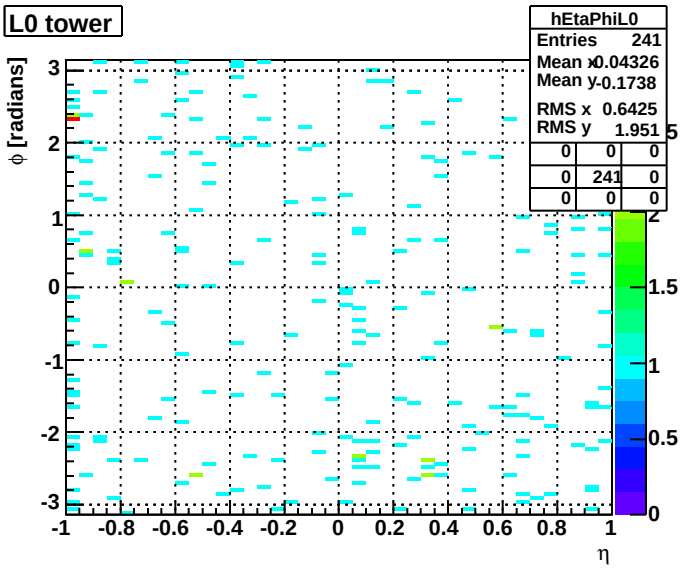
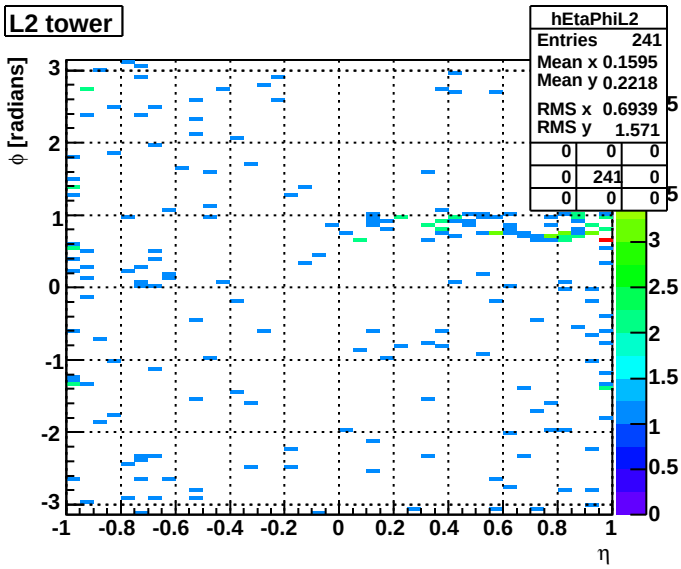
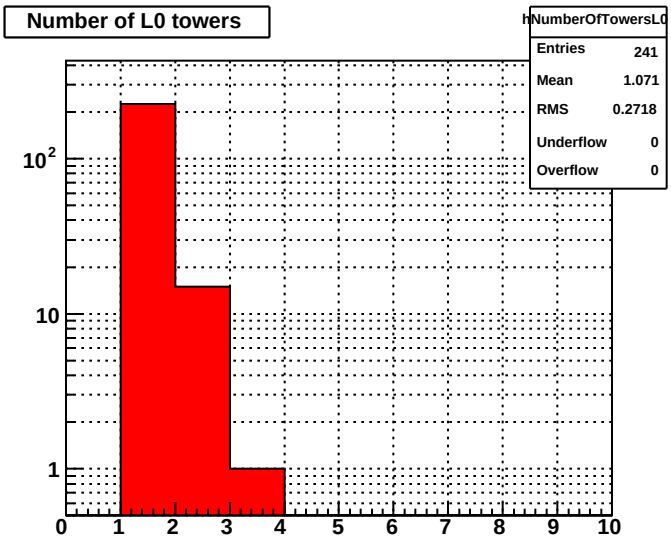
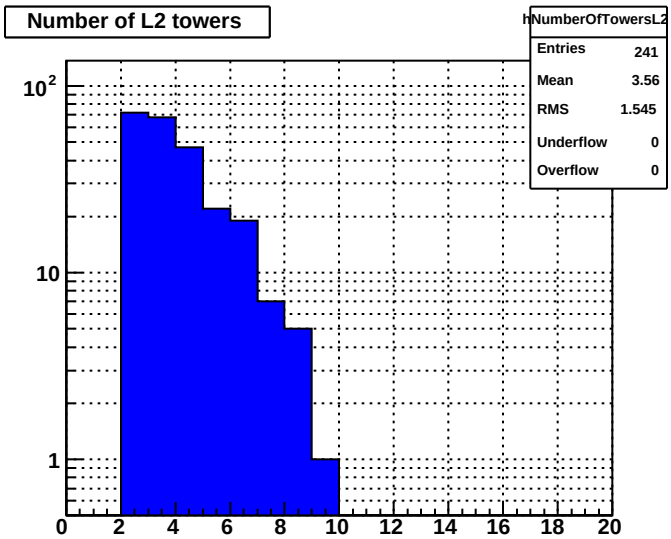
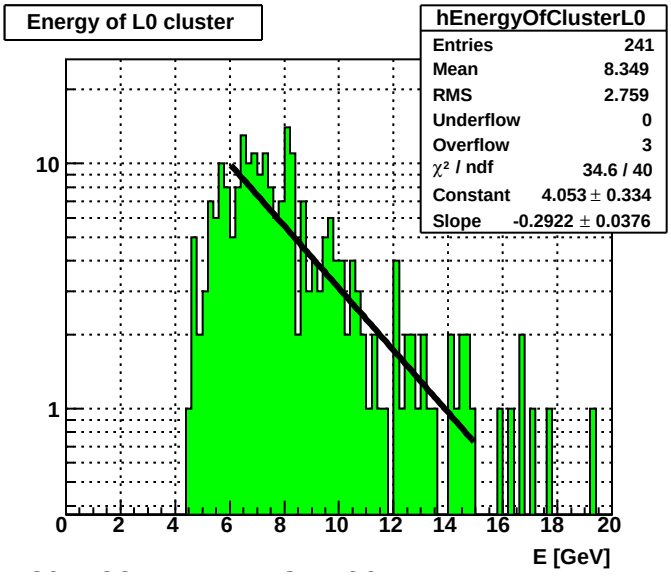
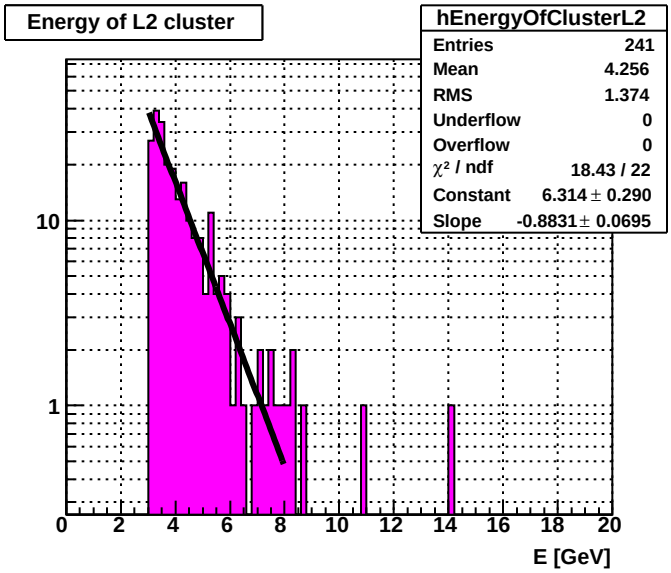

L0 tower
hEtaPhiL0
Entries 241
Mean x 0.04326
Mean y -0.1738
RMS x 0.6425
RMS y 1.951
φ [radians]
η

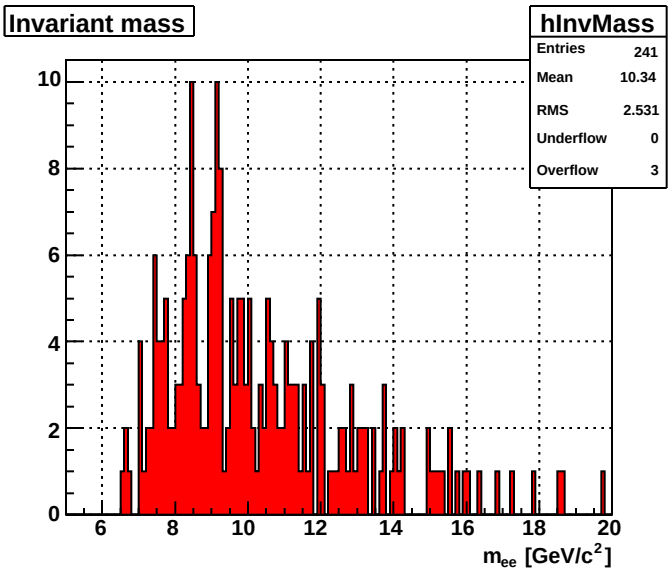

L2 tower
hEtaPhiL2
Entries 241
Mean x 0.1595
Mean y 0.2218
RMS x 0.6939
RMS y 1.571
φ [radians]
η

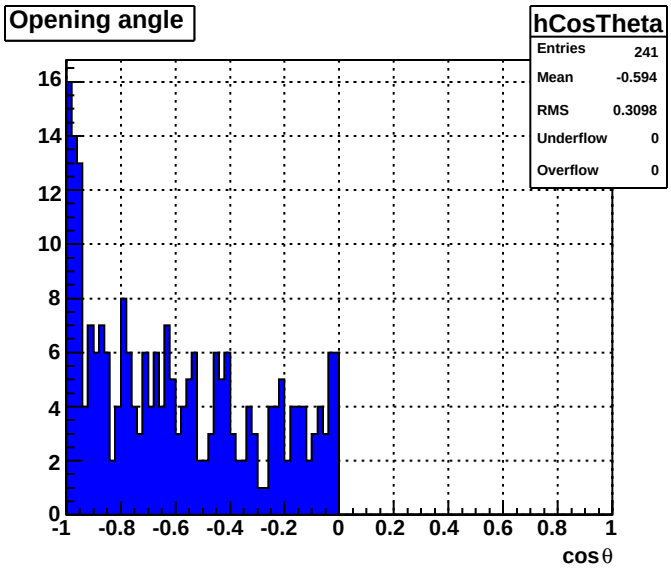

Number of L0 towers
hNumberOfTowersL0
Entries 241
Mean 1.071
RMS 0.2718
Underflow 0
Overflow 0

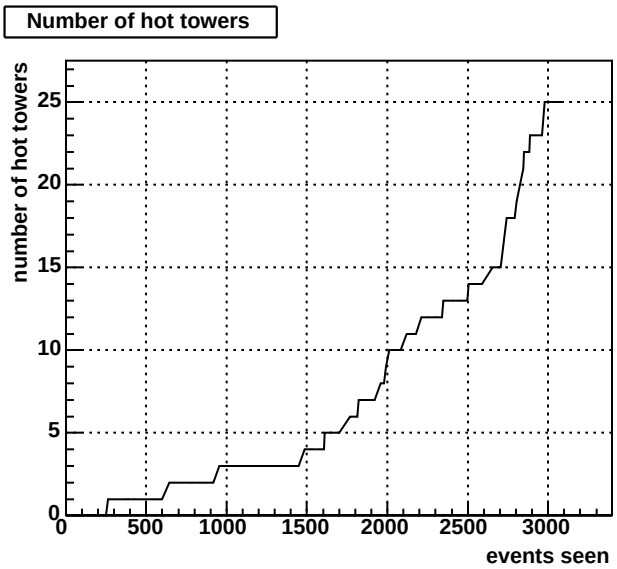

Number of L2 towers
hNumberOfTowersL2
Entries 241
Mean 3.56
RMS 1.545
Underflow 0
Overflow 0

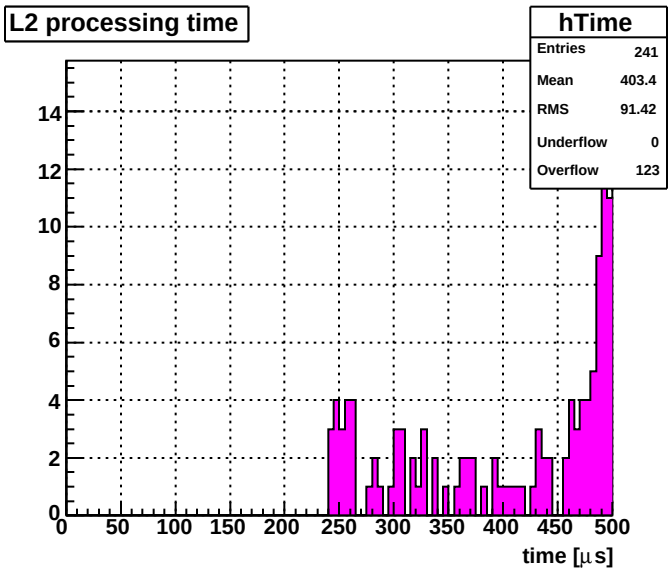

Energy of L0 cluster
hEnergyOfClusterL0
Entries 241
Mean 8.349
RMS 2.759
Underflow 0
Overflow 3
χ² / ndf 34.6 / 40
Constant 4.053 ± 0.334
Slope -0.2922 ± 0.0376
E [GeV]

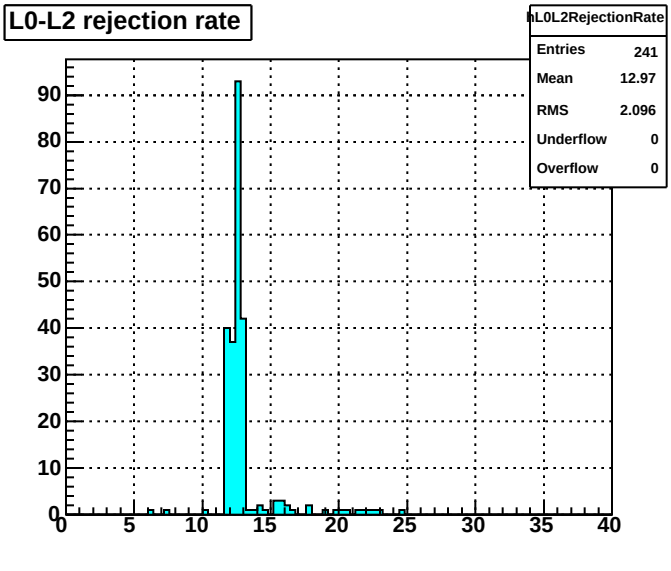

Energy of L2 cluster
hEnergyOfClusterL2
Entries 241
Mean 4.256
RMS 1.374
Underflow 0
Overflow 0
χ² / ndf 18.43 / 22
Constant 6.314 ± 0.290
Slope -0.8831 ± 0.0695
E [GeV]

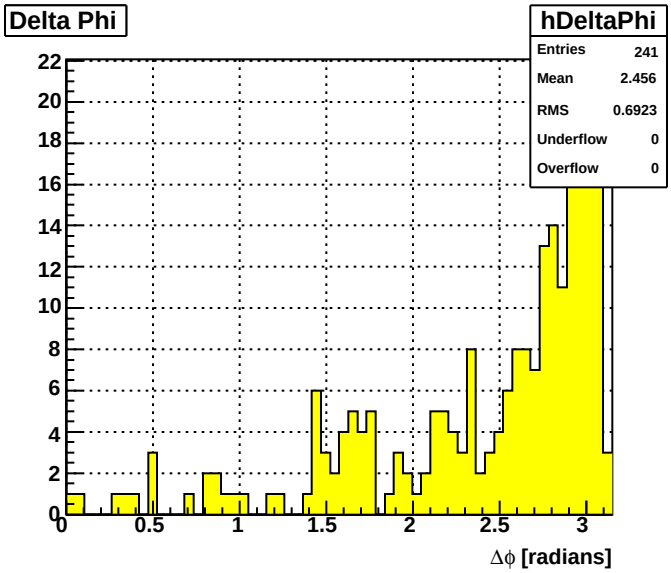

Invariant mass
hInvMass
Entries 241
Mean 10.34
RMS 2.531
Underflow 0
Overflow 3
m_{ee} [GeV/c^2]

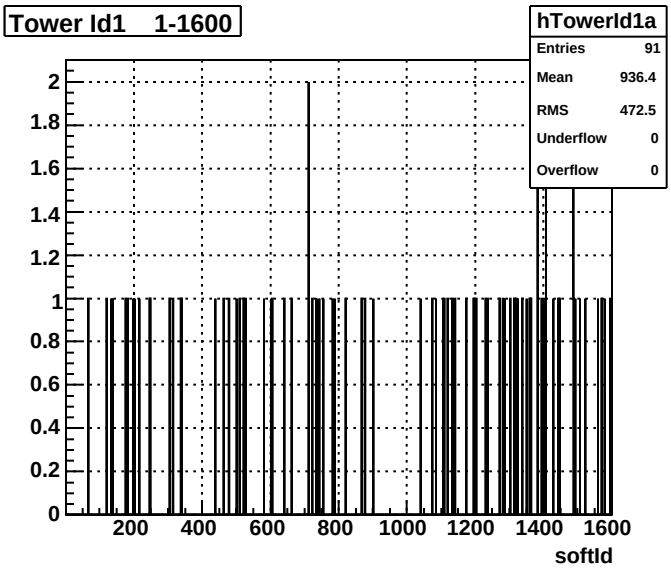

Opening angle
hCosTheta
Entries 241
Mean -0.594
RMS 0.3098
Underflow 0
Overflow 0
cos θ

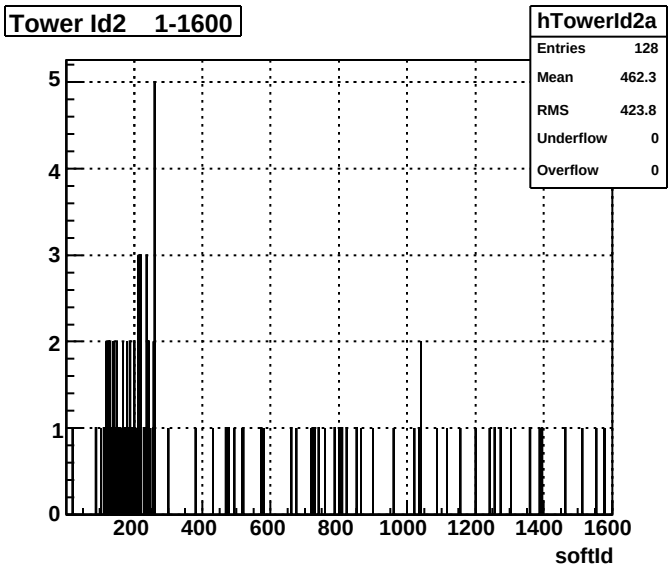

Number of hot towers
number of hot towers
events seen

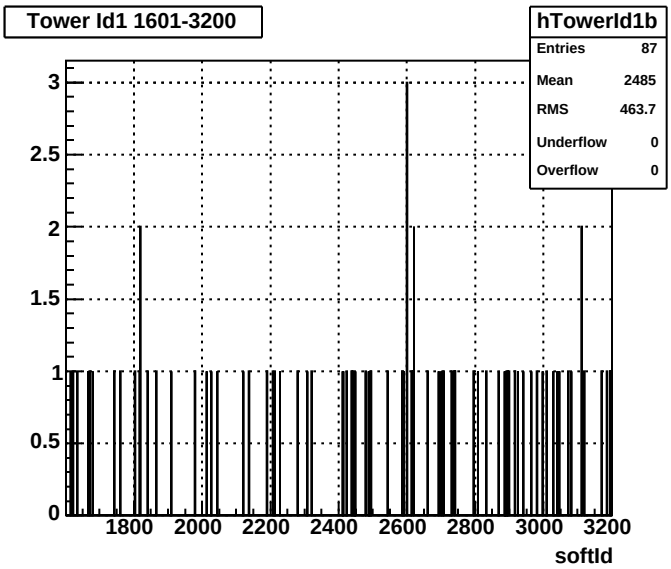

L2 processing time
hTime
Entries 241
Mean 403.4
RMS 91.42
Underflow 0
Overflow 123
time [μs]

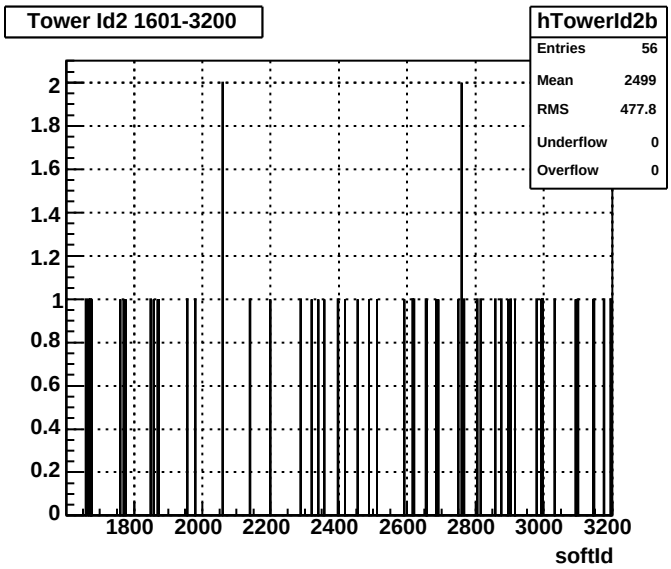

L0-L2 rejection rate
hL0L2RejectionRate
Entries 241
Mean 12.97
RMS 2.096
Underflow 0
Overflow 0

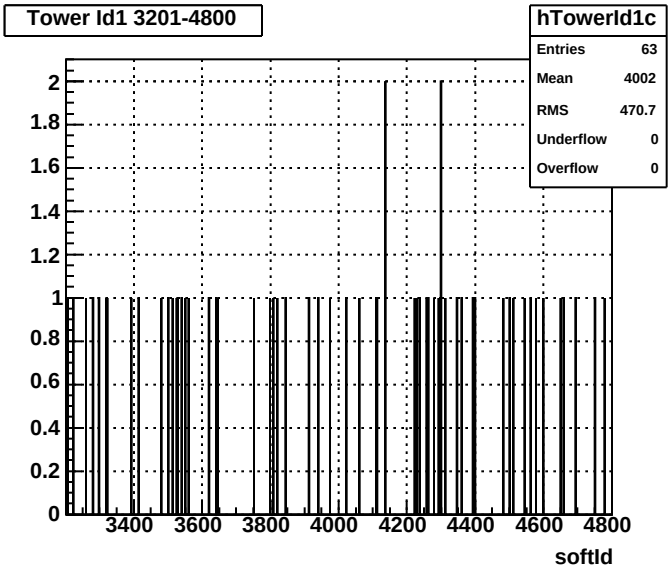

Delta Phi
hDeltaPhi
Entries 241
Mean 2.456
RMS 0.6923
Underflow 0
Overflow 0
Δφ [radians]

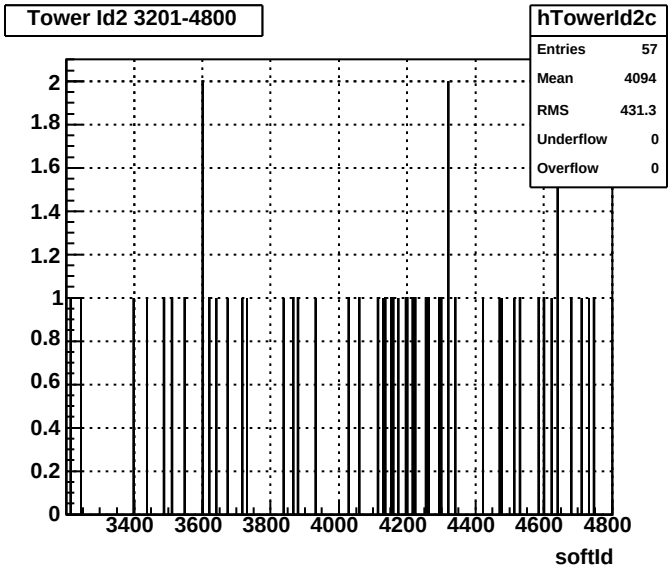

Tower Id1 1-1600
hTowerId1a
Entries 91
Mean 936.4
RMS 472.5
Underflow 0
Overflow 0
softId

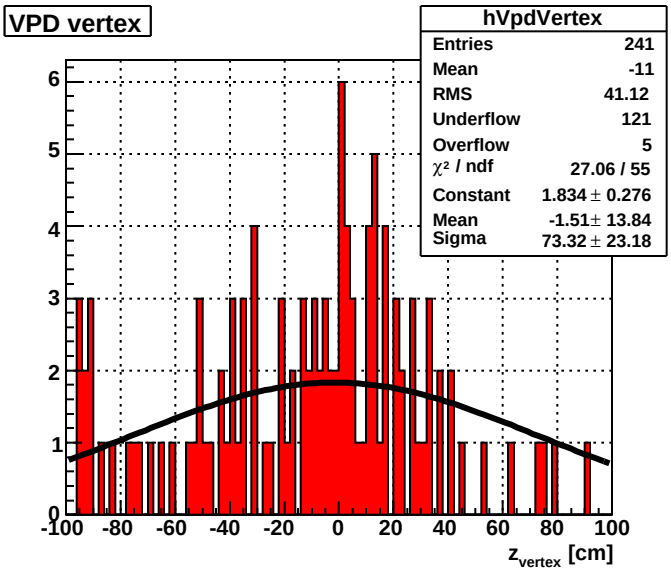

Tower Id2 1-1600
hTowerId2a
Entries 128
Mean 462.3
RMS 423.8
Underflow 0
Overflow 0
softId

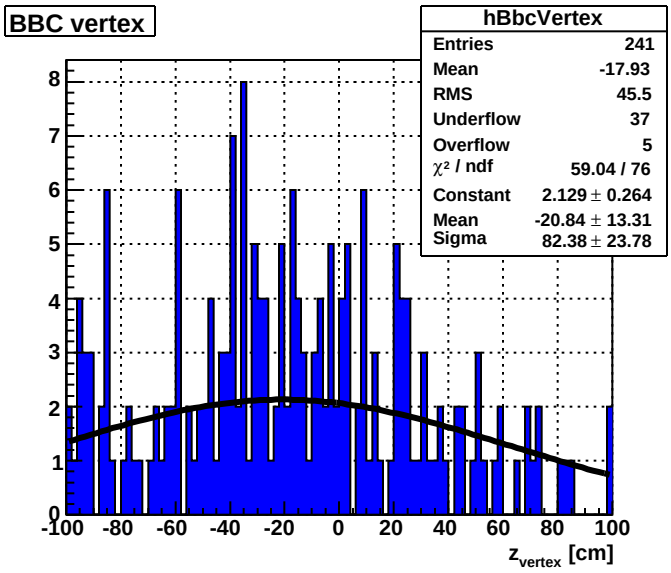

Tower Id1 1601-3200
hTowerId1b
Entries 87
Mean 2485
RMS 463.7
Underflow 0
Overflow 0
softId

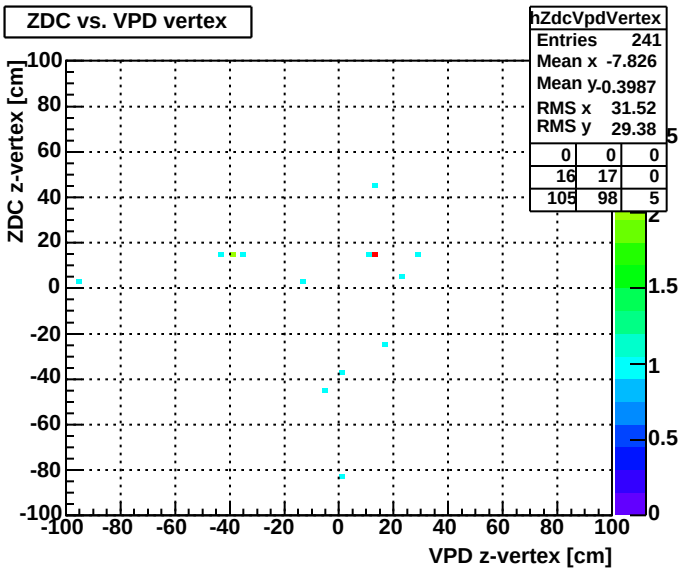

Tower Id2 1601-3200
hTowerId2b
Entries 56
Mean 2499
RMS 477.8
Underflow 0
Overflow 0
softId

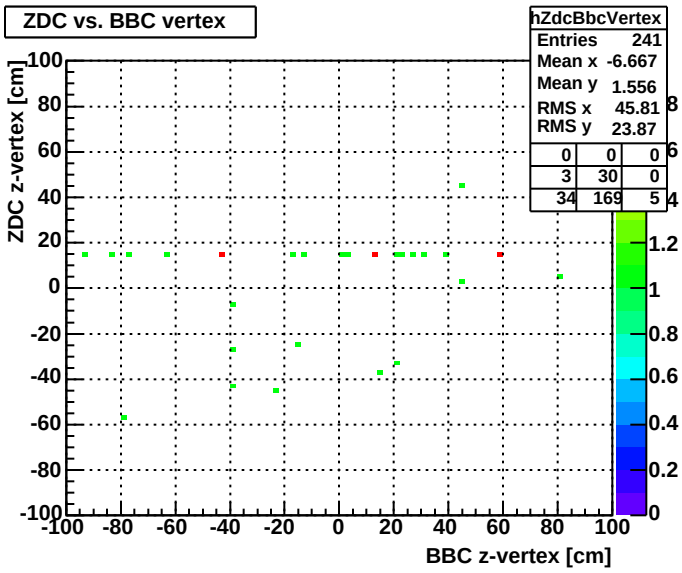

Tower Id1 3201-4800
hTowerId1c
Entries 63
Mean 4002
RMS 470.7
Underflow 0
Overflow 0
softId

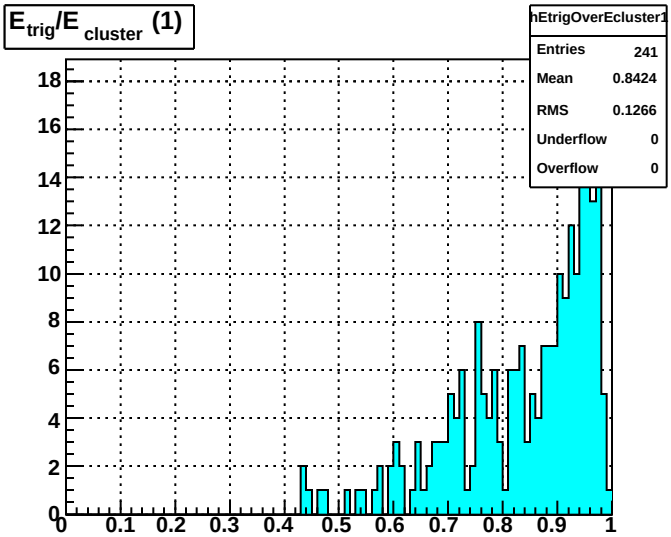

Tower Id2 3201-4800
hTowerId2c
Entries 57
Mean 4094
RMS 431.3
Underflow 0
Overflow 0
softId

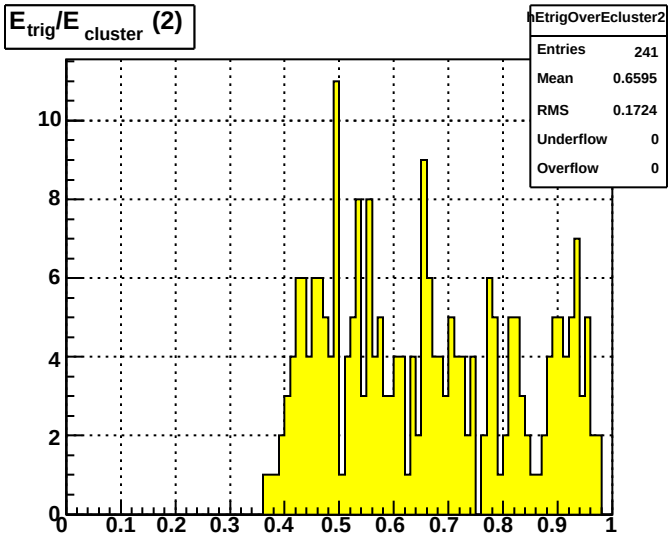

VPD vertex
hVpdVertex
Entries 241
Mean -11
RMS 41.12
Underflow 121
Overflow 5
χ² / ndf 27.06 / 55
Constant 1.834 ± 0.276
Mean -1.51 ± 13.84
Sigma 73.32 ± 23.18
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 241
Mean -17.93
RMS 45.5
Underflow 37
Overflow 5
χ² / ndf 59.04 / 76
Constant 2.129 ± 0.264
Mean -20.84 ± 13.31
Sigma 82.38 ± 23.78
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 241
Mean x -7.826
Mean y -0.3987
RMS x 31.52
RMS y 29.38
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 241
Mean x -6.667
Mean y 1.556
RMS x 45.81
RMS y 23.87
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 241
Mean 0.8424
RMS 0.1266
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 241
Mean 0.6595
RMS 0.1724
Underflow 0
Overflow 0