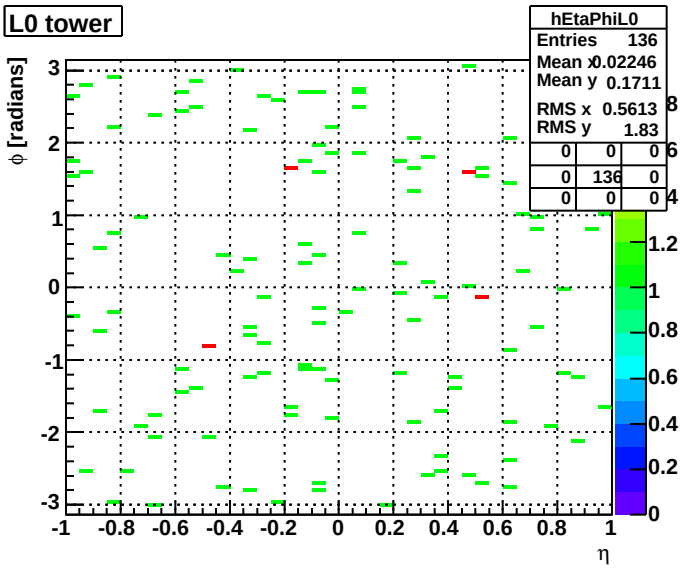
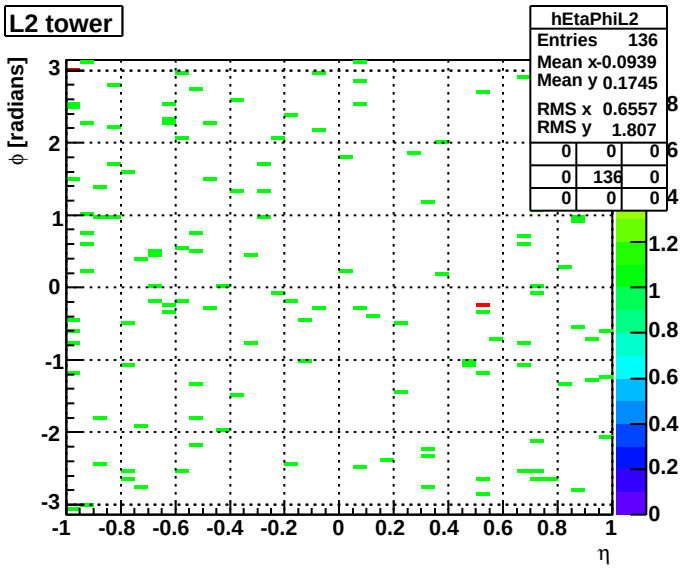
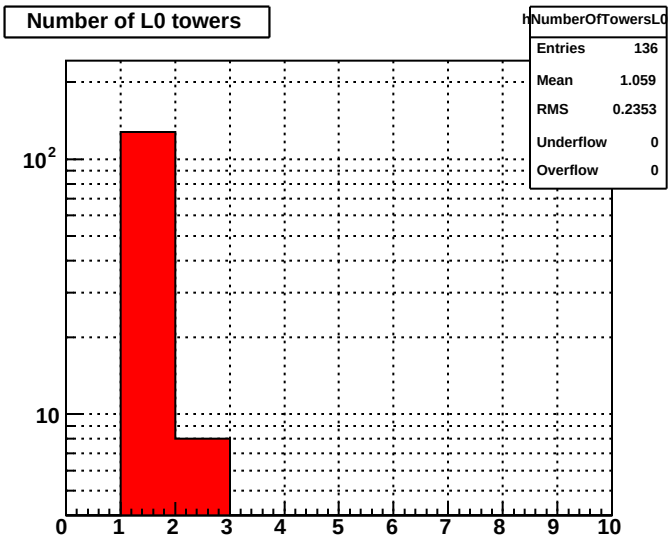
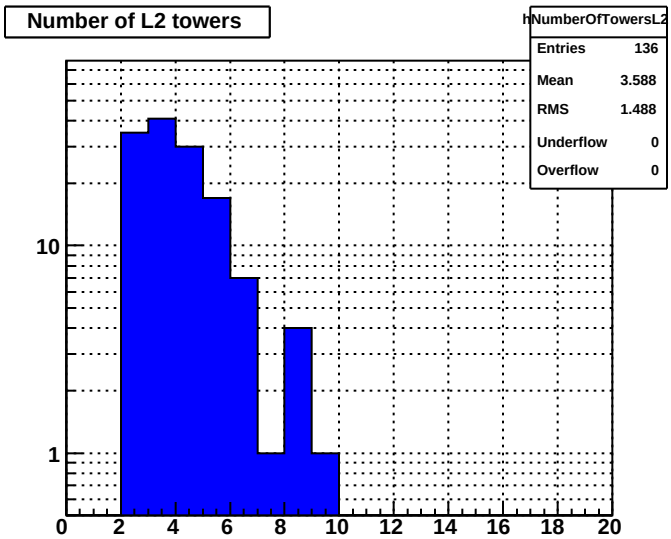
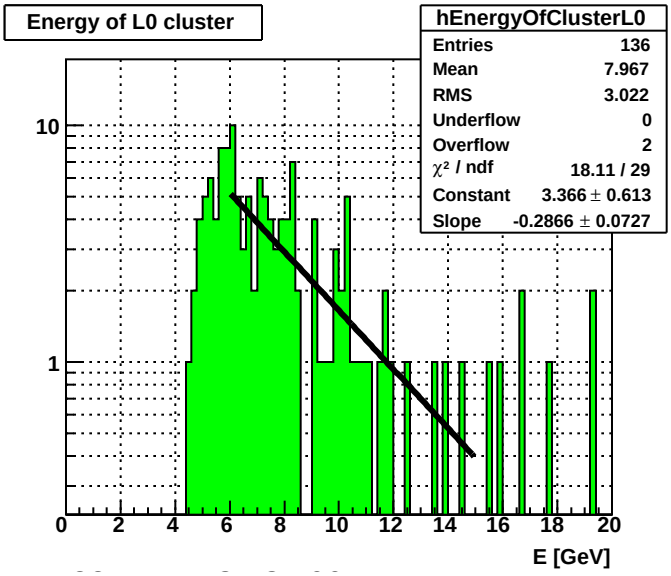
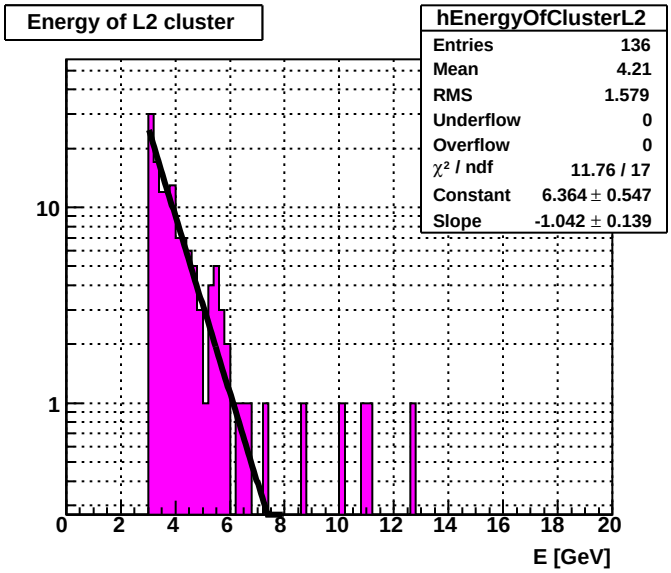

L0 tower
hEtaPhiL0
Entries 136
Mean x 0.02246
Mean y 0.1711
RMS x 0.5613
RMS y 1.83
φ [radians]
η

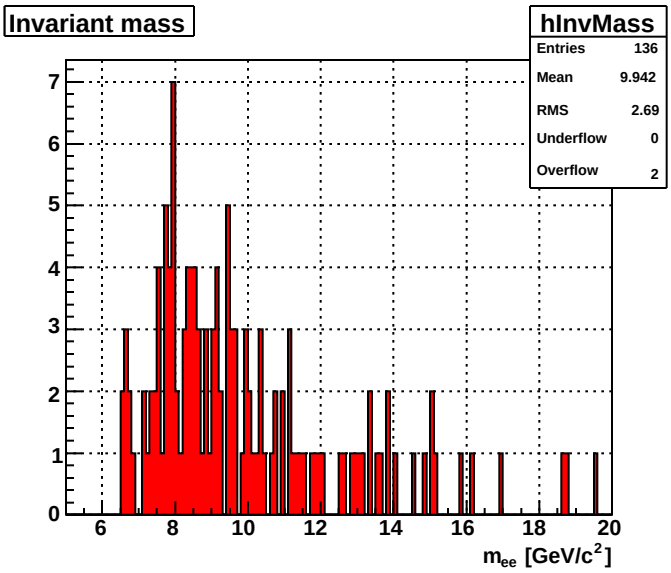

L2 tower
hEtaPhiL2
Entries 136
Mean x -0.0939
Mean y 0.1745
RMS x 0.6557
RMS y 1.807
φ [radians]
η

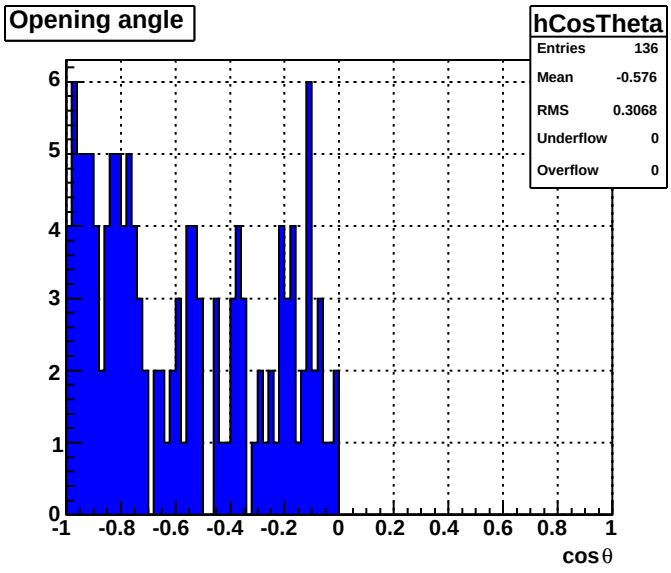

Number of L0 towers
hNumberOfTowersL0
Entries 136
Mean 1.059
RMS 0.2353
Underflow 0
Overflow 0

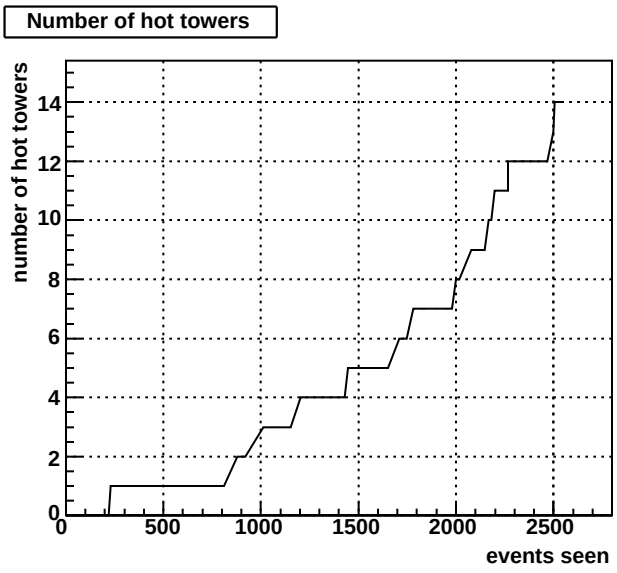

Number of L2 towers
hNumberOfTowersL2
Entries 136
Mean 3.588
RMS 1.488
Underflow 0
Overflow 0

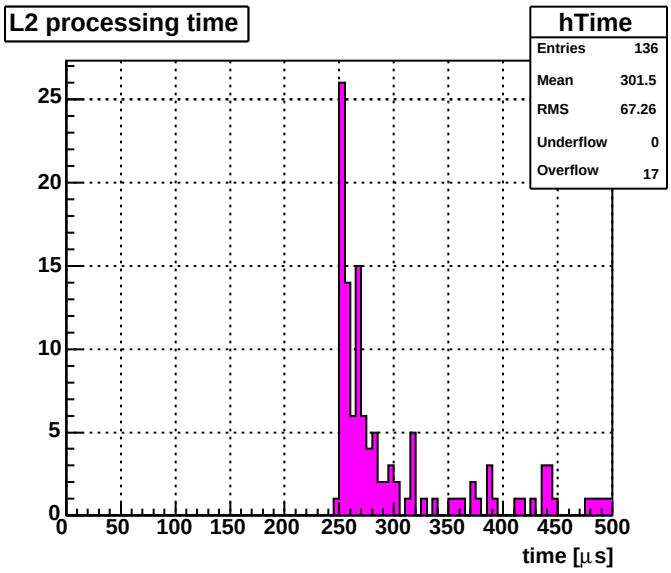

Energy of L0 cluster
hEnergyOfClusterL0
Entries 136
Mean 7.967
RMS 3.022
Underflow 0
Overflow 2
χ² / ndf 18.11 / 29
Constant 3.366 ± 0.613
Slope -0.2866 ± 0.0727
E [GeV]

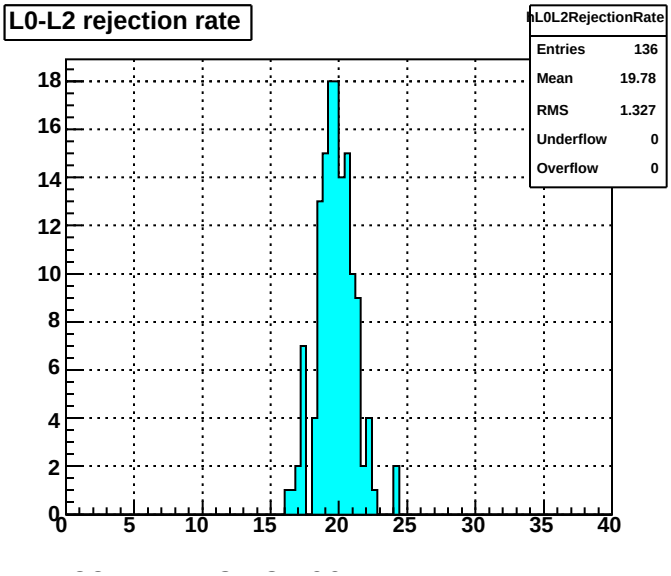

Energy of L2 cluster
hEnergyOfClusterL2
Entries 136
Mean 4.21
RMS 1.579
Underflow 0
Overflow 0
χ² / ndf 11.76 / 17
Constant 6.364 ± 0.547
Slope -1.042 ± 0.139
E [GeV]

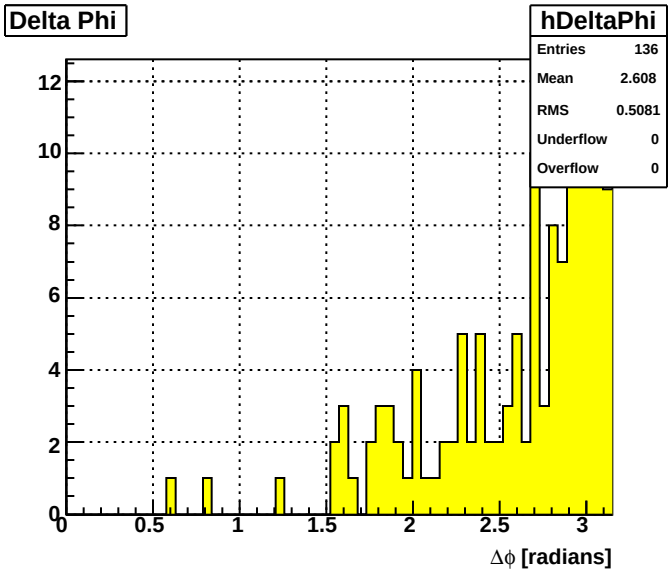

Invariant mass
hInvMass
Entries 136
Mean 9.942
RMS 2.69
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

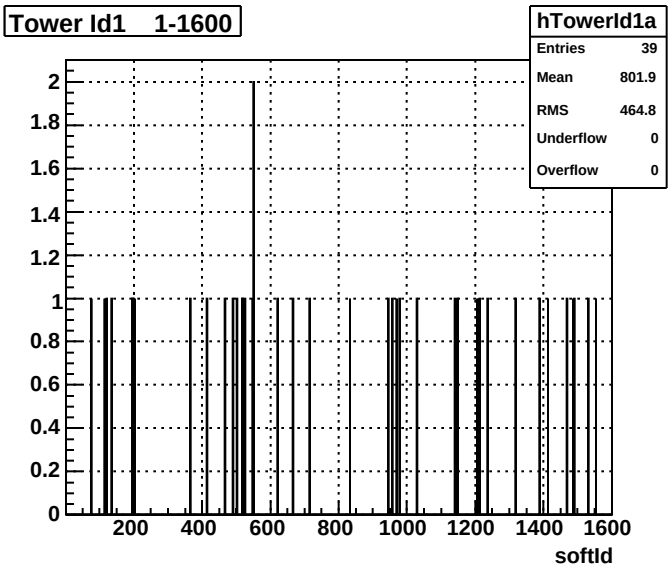

Opening angle
hCosTheta
Entries 136
Mean -0.576
RMS 0.3068
Underflow 0
Overflow 0
cos θ

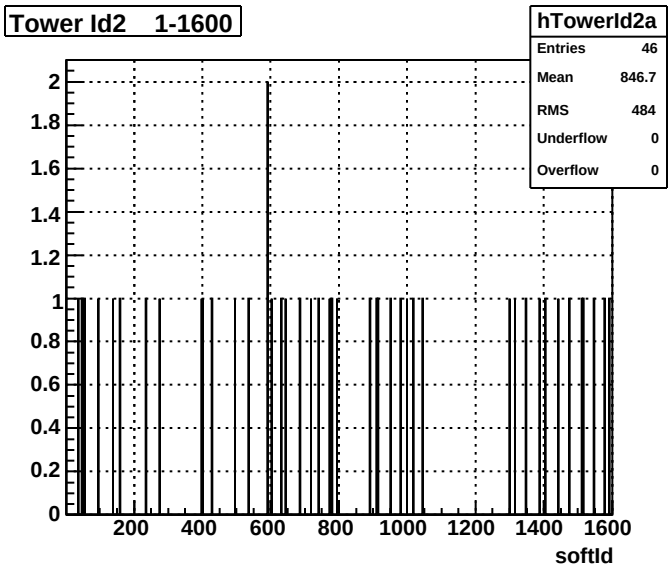

Number of hot towers
number of hot towers
events seen

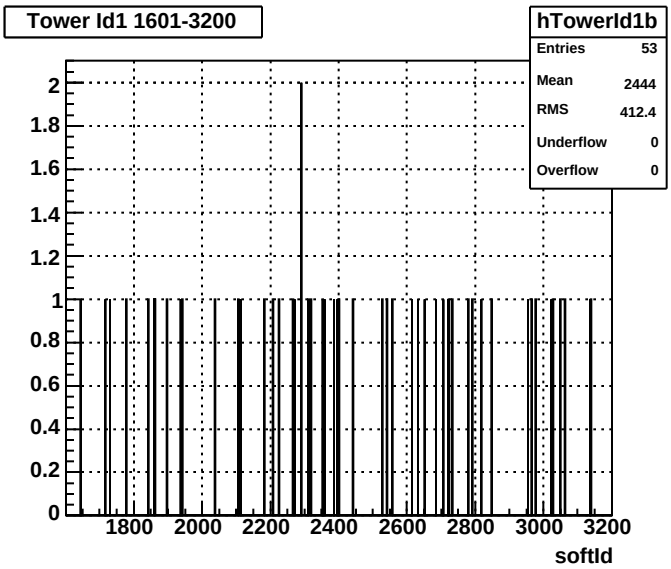

L2 processing time
hTime
Entries 136
Mean 301.5
RMS 67.26
Underflow 0
Overflow 17
time [μs]

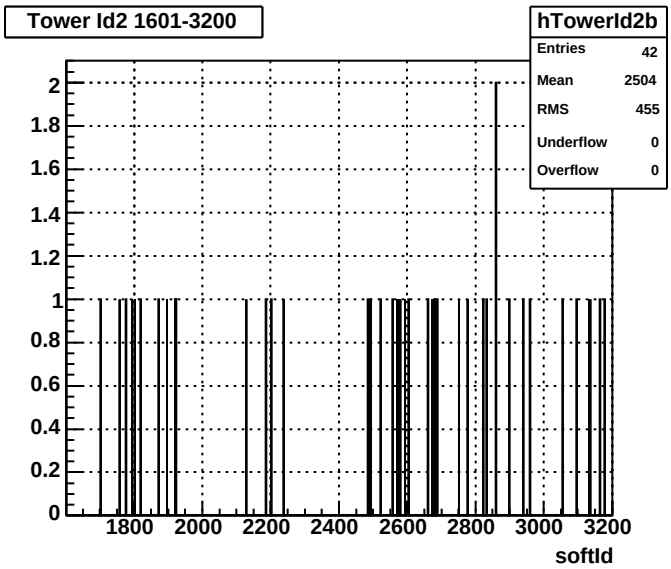

L0-L2 rejection rate
hL0L2RejectionRate
Entries 136
Mean 19.78
RMS 1.327
Underflow 0
Overflow 0

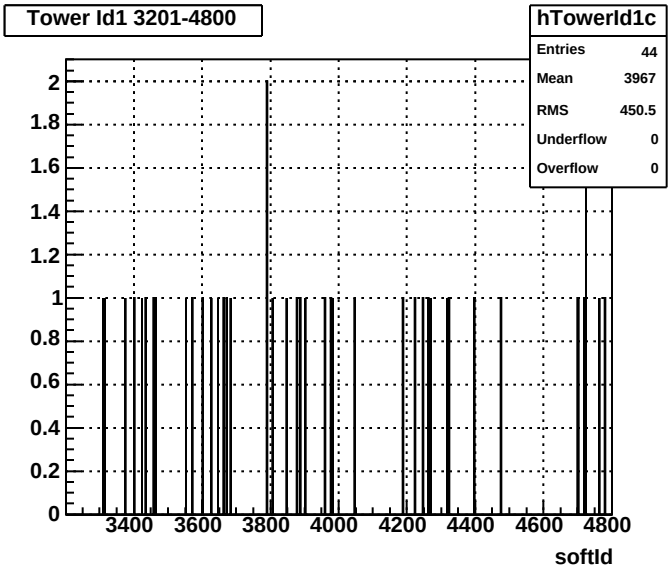

Delta Phi
hDeltaPhi
Entries 136
Mean 2.608
RMS 0.5081
Underflow 0
Overflow 0
Δφ [radians]

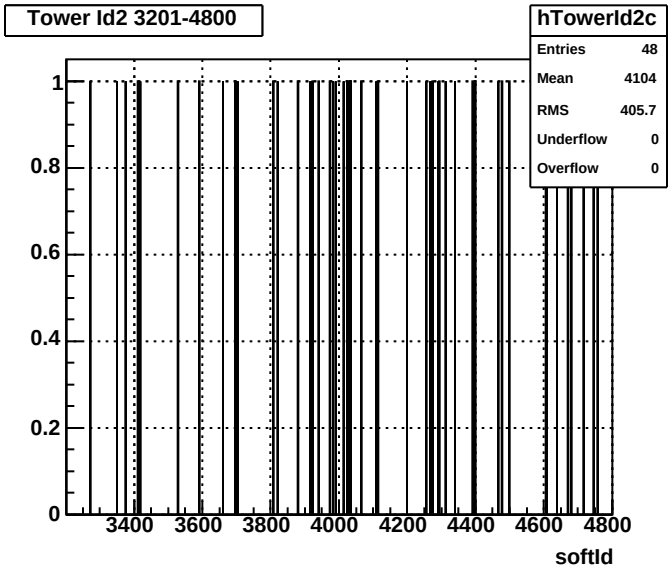

Tower Id1 1-1600
hTowerId1a
Entries 39
Mean 801.9
RMS 464.8
Underflow 0
Overflow 0
softId

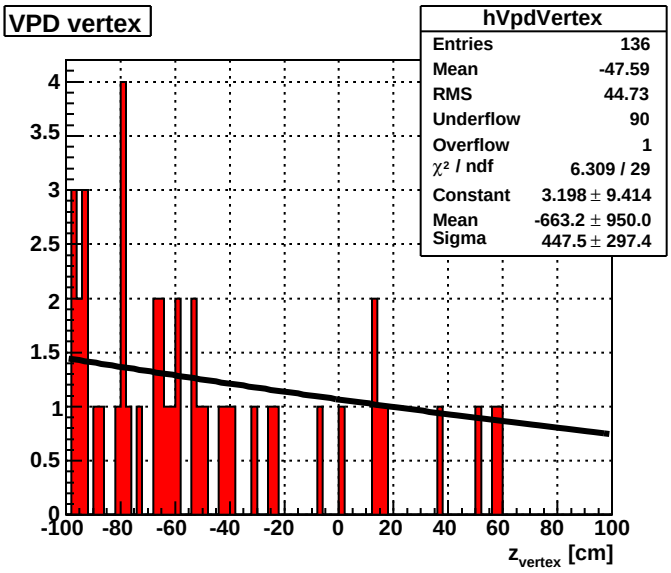

Tower Id2 1-1600
hTowerId2a
Entries 46
Mean 846.7
RMS 484
Underflow 0
Overflow 0
softId

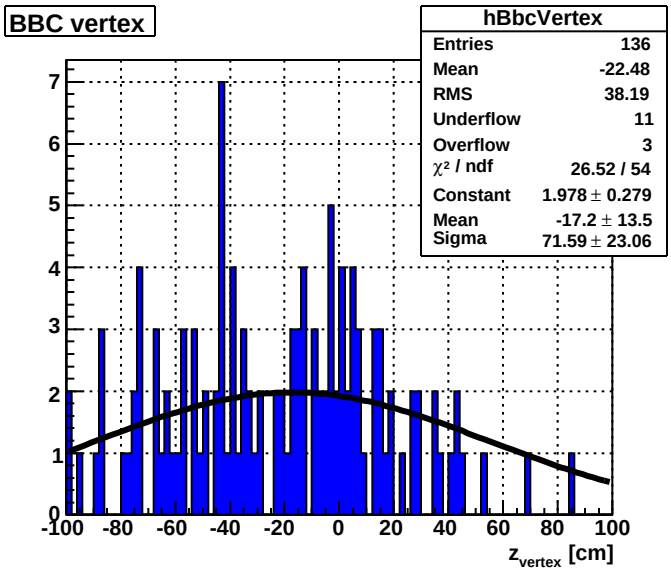

Tower Id1 1601-3200
hTowerId1b
Entries 53
Mean 2444
RMS 412.4
Underflow 0
Overflow 0
softId

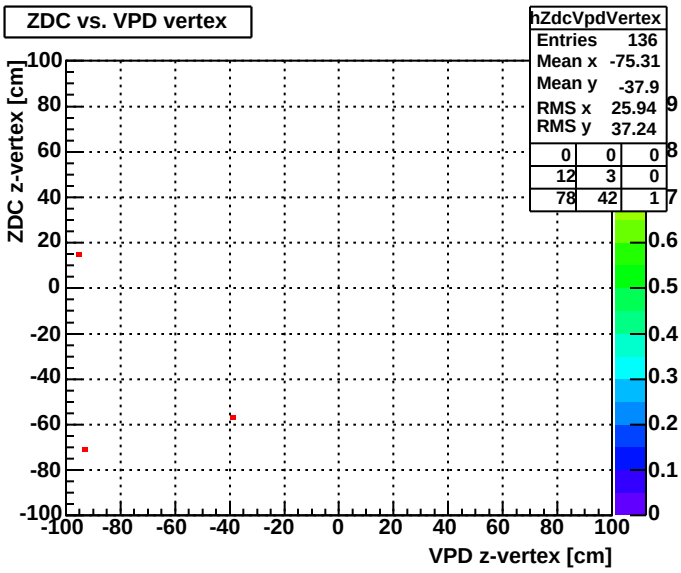

Tower Id2 1601-3200
hTowerId2b
Entries 42
Mean 2504
RMS 455
Underflow 0
Overflow 0
softId

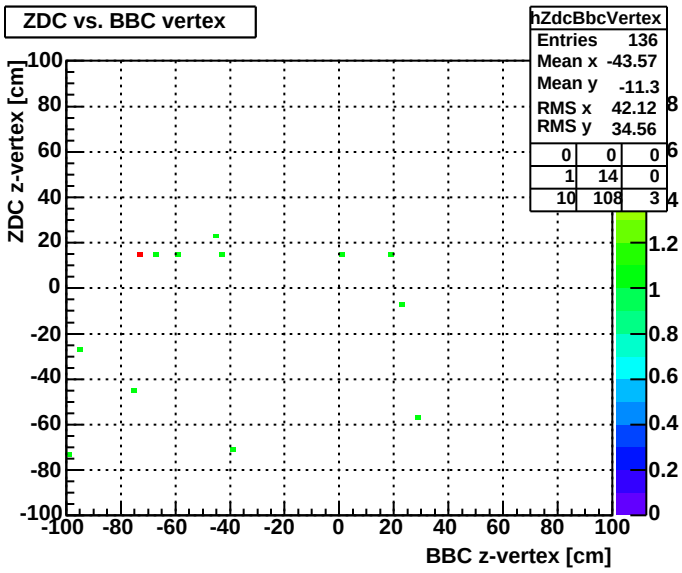

Tower Id1 3201-4800
hTowerId1c
Entries 44
Mean 3967
RMS 450.5
Underflow 0
Overflow 0
softId

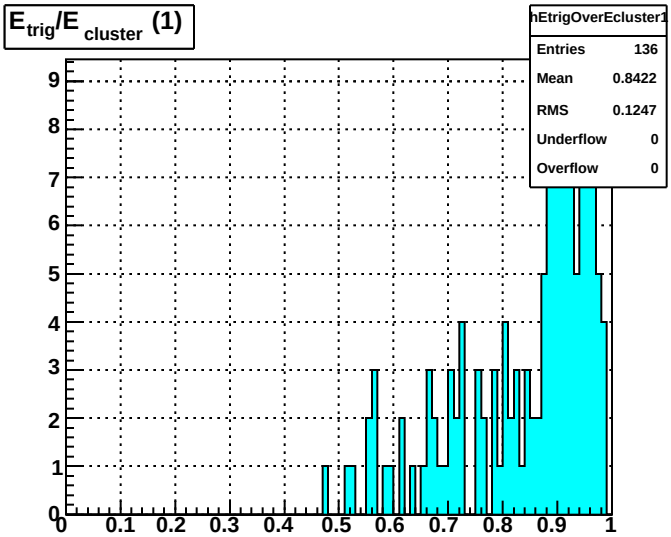

Tower Id2 3201-4800
hTowerId2c
Entries 48
Mean 4104
RMS 405.7
Underflow 0
Overflow 0
softId

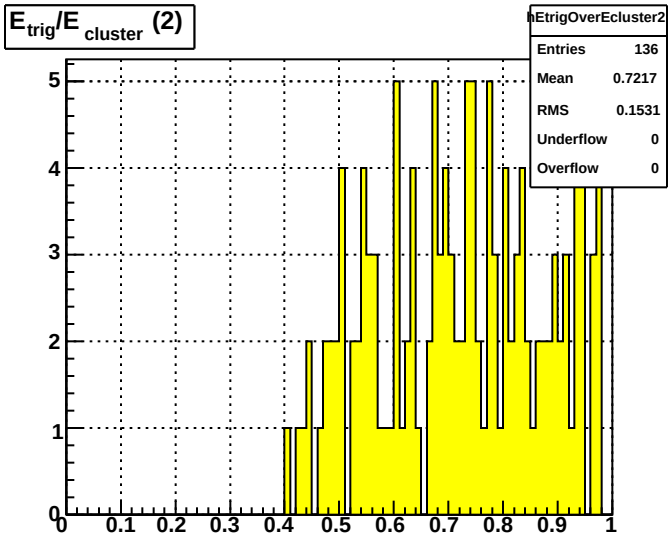

VPD vertex
hVpdVertex
Entries 136
Mean -47.59
RMS 44.73
Underflow 90
Overflow 1
χ² / ndf 6.309 / 29
Constant 3.198 ± 9.414
Mean -663.2 ± 950.0
Sigma 447.5 ± 297.4
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 136
Mean -22.48
RMS 38.19
Underflow 11
Overflow 3
χ² / ndf 26.52 / 54
Constant 1.978 ± 0.279
Mean -17.2 ± 13.5
Sigma 71.59 ± 23.06
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 136
Mean x -75.31
Mean y -37.9
RMS x 25.94
RMS y 37.24
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 136
Mean x -43.57
Mean y -11.3
RMS x 42.12
RMS y 34.56
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 136
Mean 0.8422
RMS 0.1247
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 136
Mean 0.7217
RMS 0.1531
Underflow 0
Overflow 0