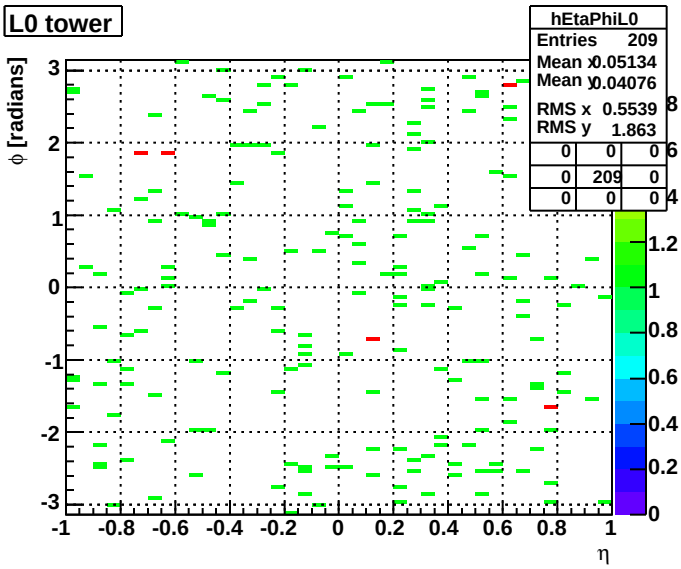
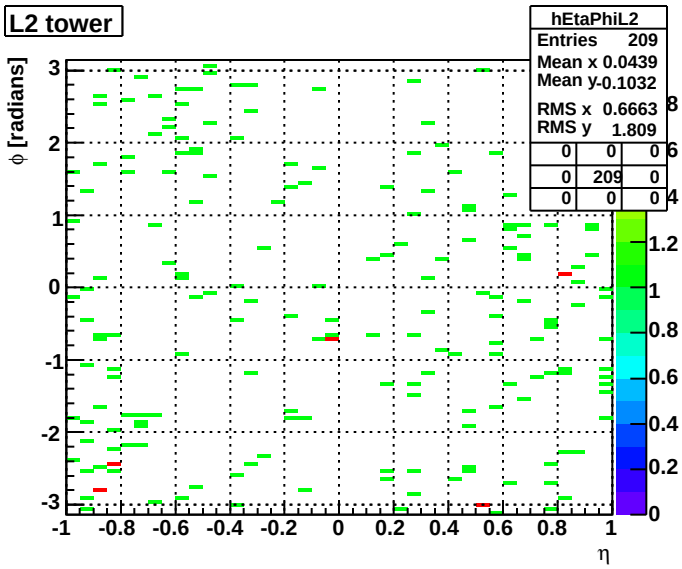
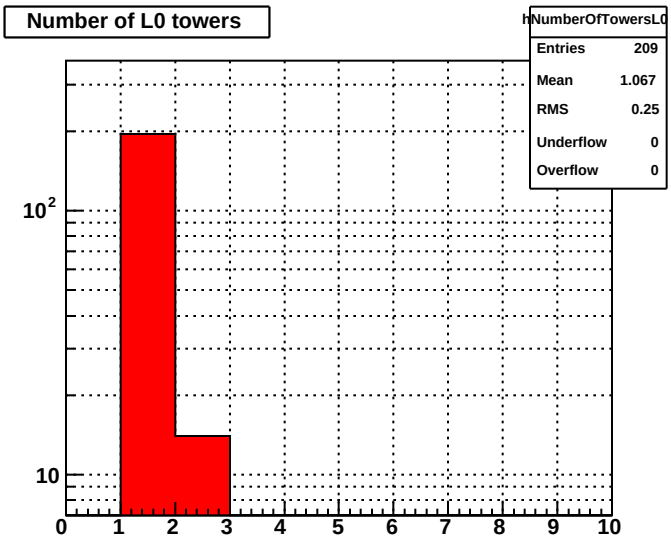
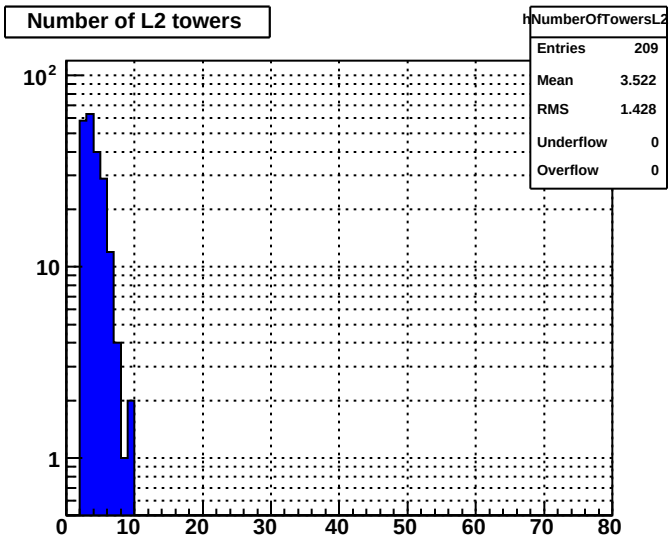
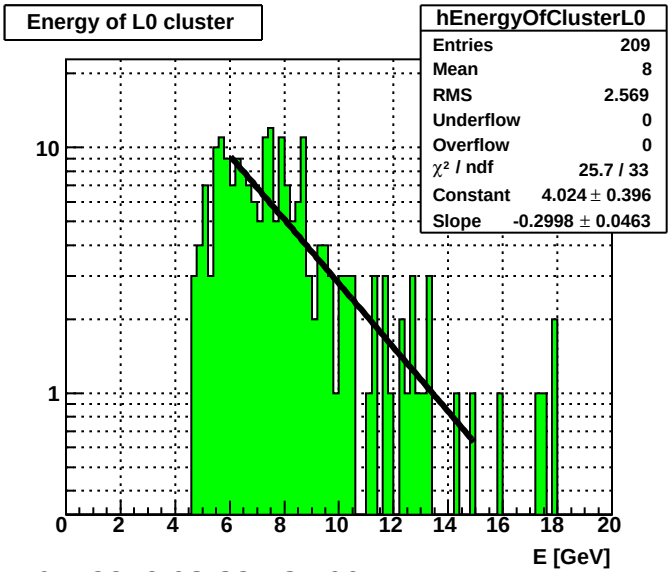
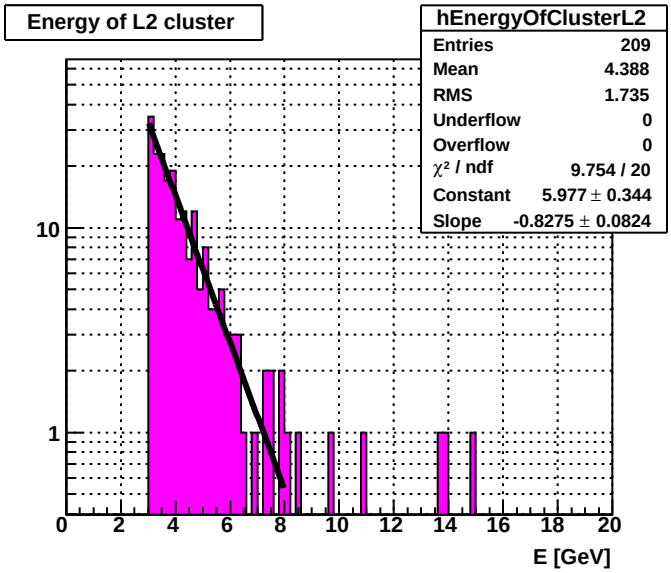

L0 tower
hEtaPhiL0
Entries 209
Mean x 0.05134
Mean y 0.04076
RMS x 0.5539
RMS y 1.863
φ [radians]
η

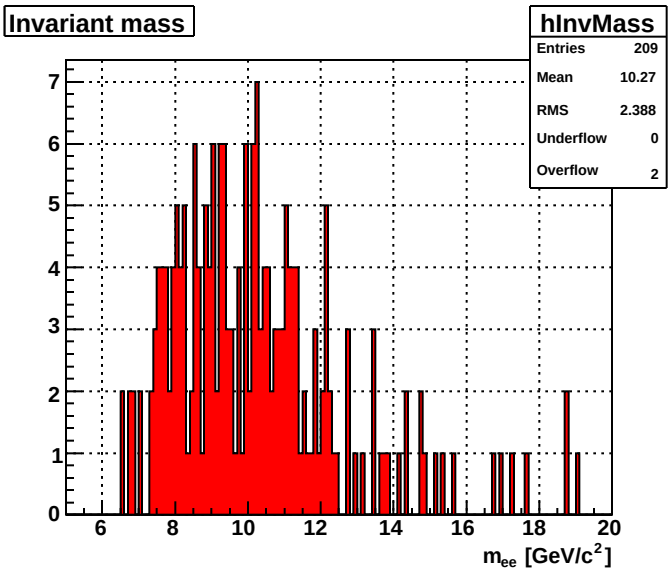

L2 tower
hEtaPhiL2
Entries 209
Mean x 0.0439
Mean y -0.1032
RMS x 0.6663
RMS y 1.809
φ [radians]
η

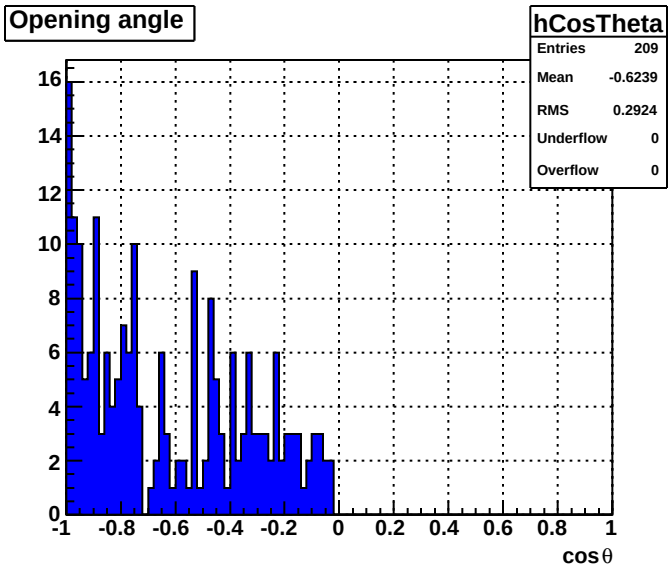

Number of L0 towers
hNumberOfTowersL0
Entries 209
Mean 1.067
RMS 0.25
Underflow 0
Overflow 0

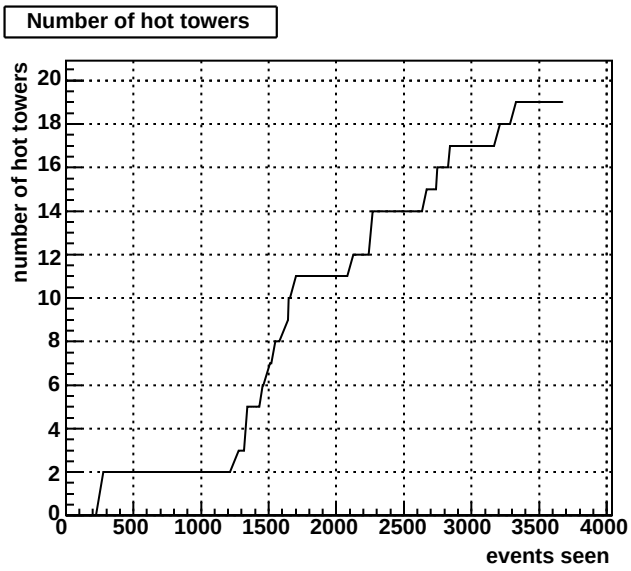

Number of L2 towers
hNumberOfTowersL2
Entries 209
Mean 3.522
RMS 1.428
Underflow 0
Overflow 0

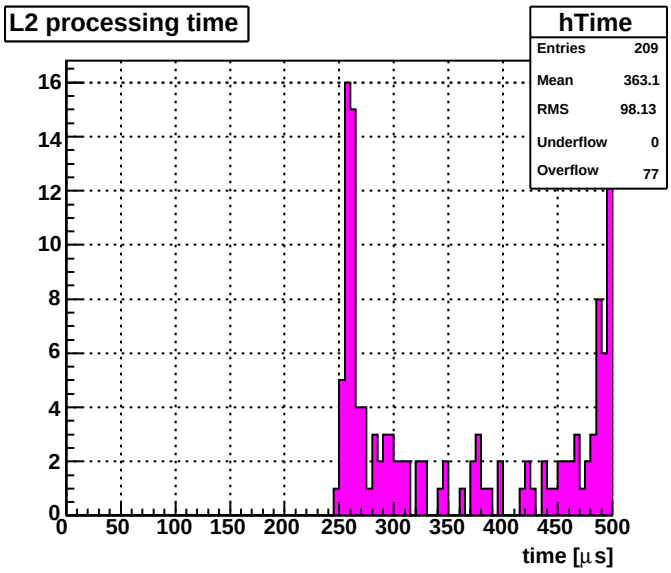

Energy of L0 cluster
hEnergyOfClusterL0
Entries 209
Mean 8
RMS 2.569
Underflow 0
Overflow 0
χ² / ndf 25.7 / 33
Constant 4.024 ± 0.396
Slope -0.2998 ± 0.0463
E [GeV]

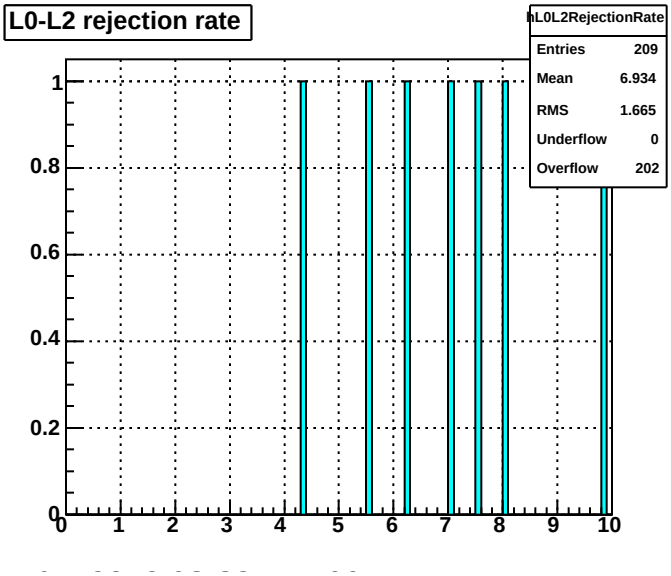

Energy of L2 cluster
hEnergyOfClusterL2
Entries 209
Mean 4.388
RMS 1.735
Underflow 0
Overflow 0
χ² / ndf 9.754 / 20
Constant 5.977 ± 0.344
Slope -0.8275 ± 0.0824
E [GeV]

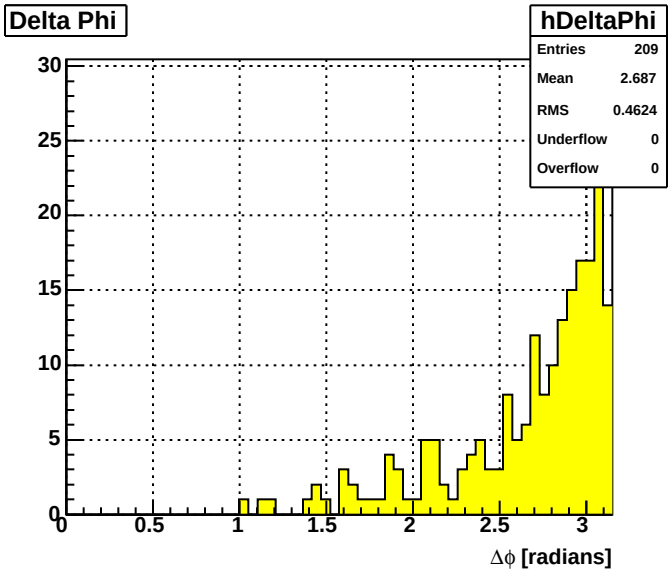

Invariant mass
hInvMass
Entries 209
Mean 10.27
RMS 2.388
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

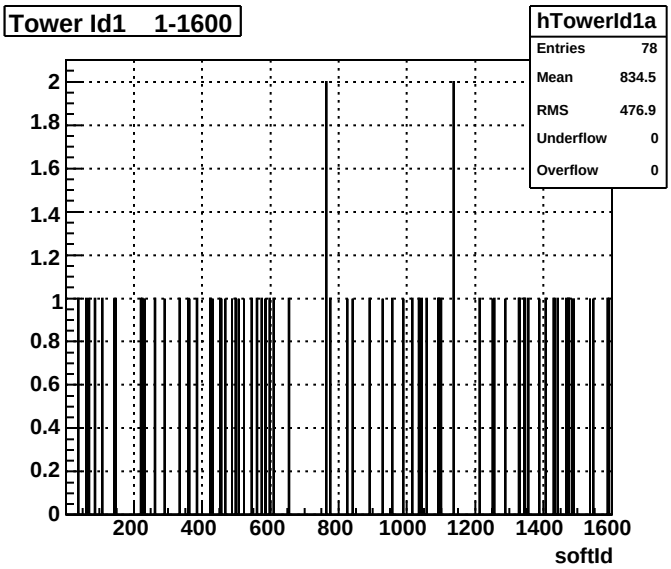

Opening angle
hCosTheta
Entries 209
Mean -0.6239
RMS 0.2924
Underflow 0
Overflow 0
cos θ

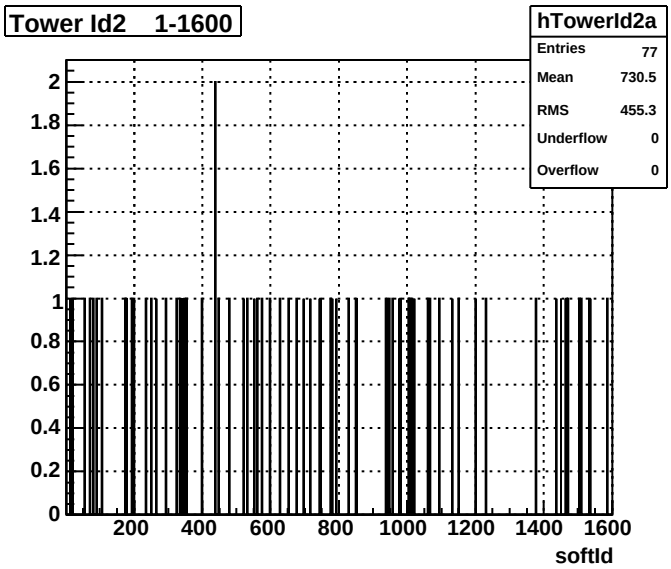

Number of hot towers
number of hot towers
events seen

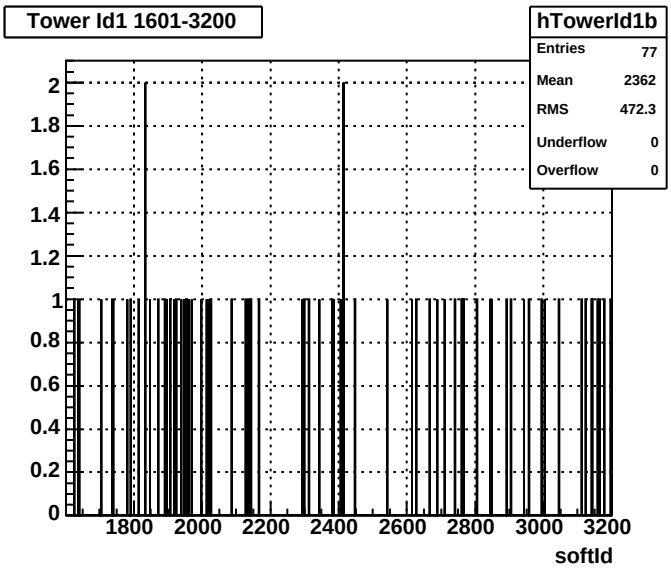

L2 processing time
hTime
Entries 209
Mean 363.1
RMS 98.13
Underflow 0
Overflow 77
time [μs]

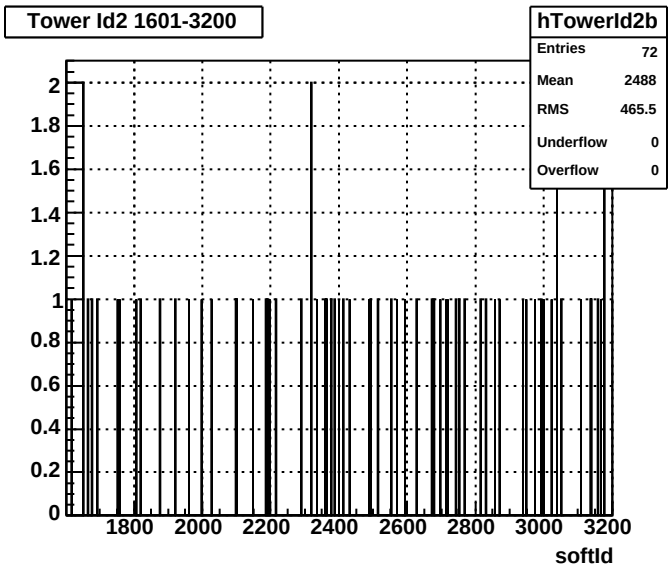

L0-L2 rejection rate
hL0L2RejectionRate
Entries 209
Mean 6.934
RMS 1.665
Underflow 0
Overflow 202

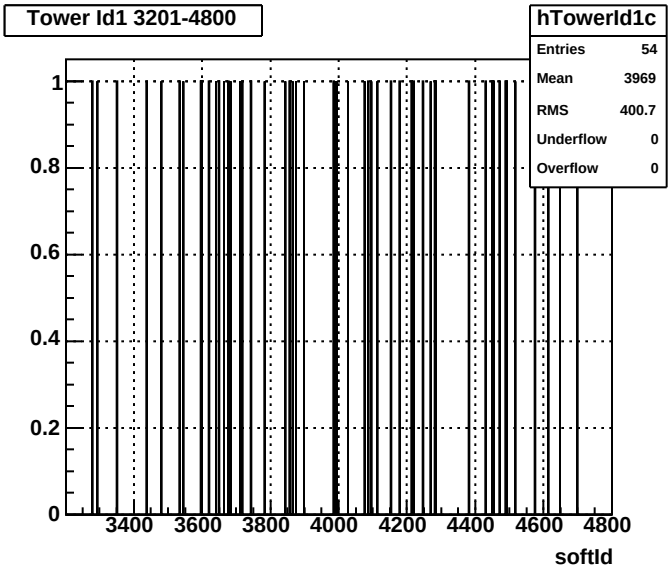

Delta Phi
hDeltaPhi
Entries 209
Mean 2.687
RMS 0.4624
Underflow 0
Overflow 0
Δφ [radians]

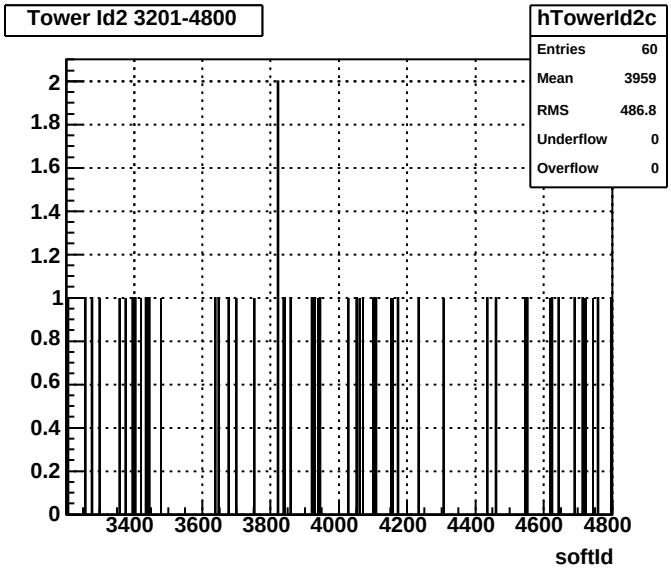

Tower Id1 1-1600
hTowerId1a
Entries 78
Mean 834.5
RMS 476.9
Underflow 0
Overflow 0
softId

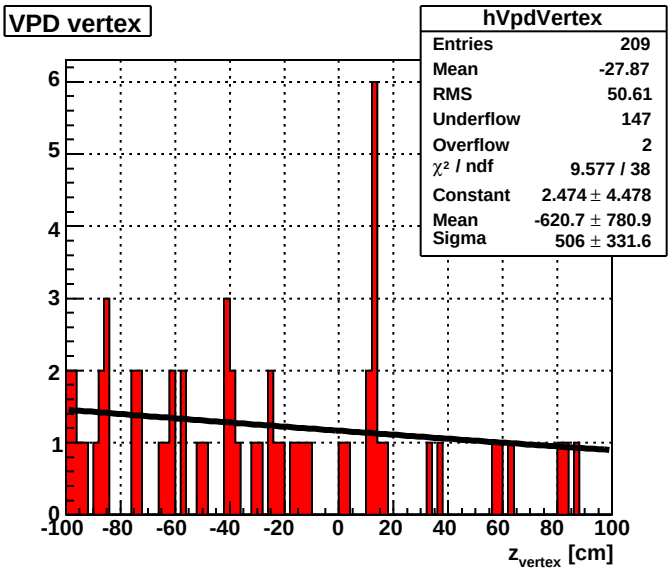

Tower Id2 1-1600
hTowerId2a
Entries 77
Mean 730.5
RMS 455.3
Underflow 0
Overflow 0
softId

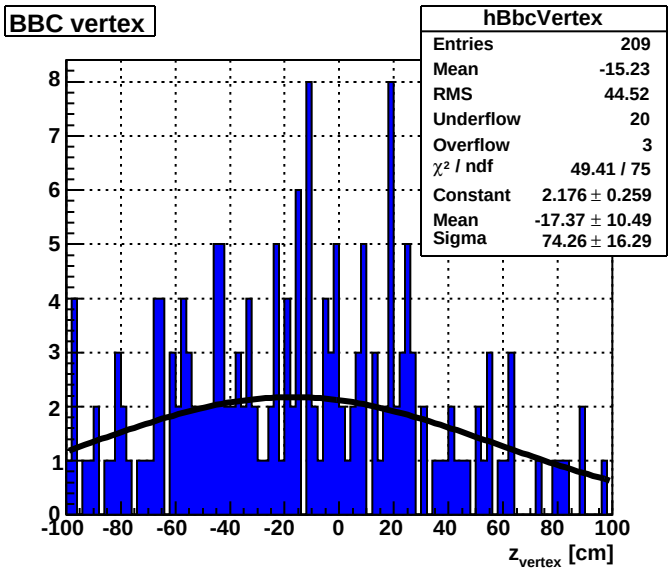

Tower Id1 1601-3200
hTowerId1b
Entries 77
Mean 2362
RMS 472.3
Underflow 0
Overflow 0
softId

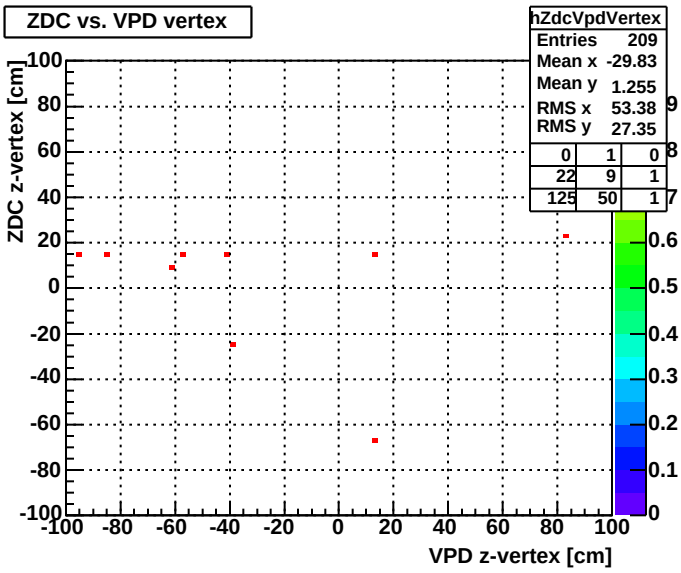

Tower Id2 1601-3200
hTowerId2b
Entries 72
Mean 2488
RMS 465.5
Underflow 0
Overflow 0
softId

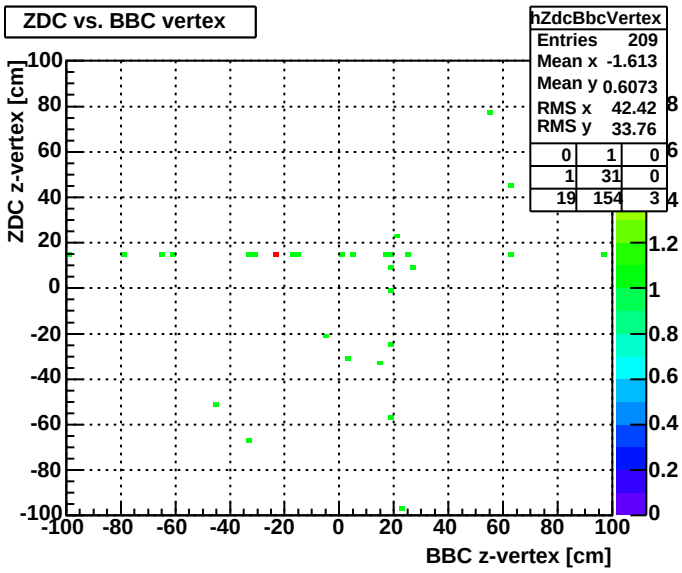

Tower Id1 3201-4800
hTowerId1c
Entries 54
Mean 3969
RMS 400.7
Underflow 0
Overflow 0
softId

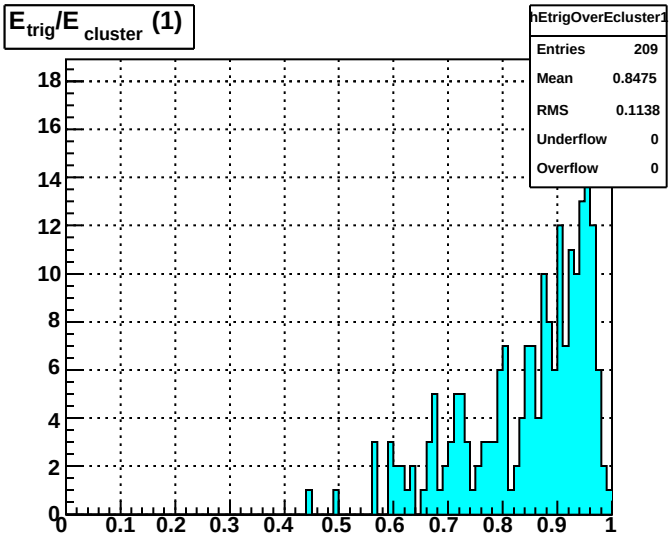

Tower Id2 3201-4800
hTowerId2c
Entries 60
Mean 3959
RMS 486.8
Underflow 0
Overflow 0
softId

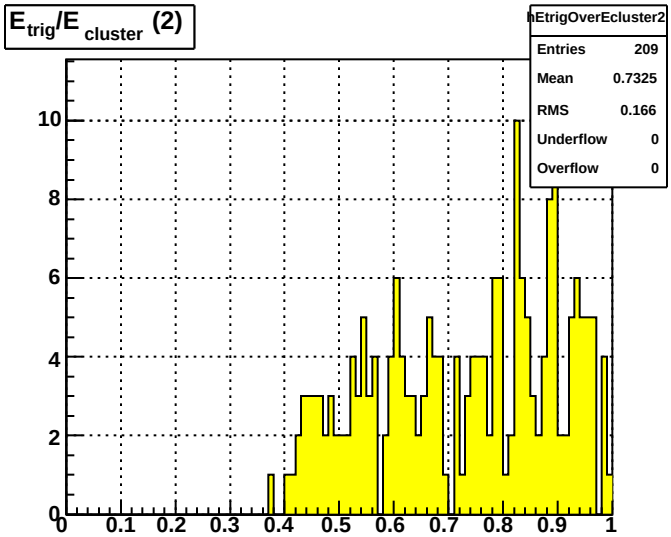

VPD vertex
hVpdVertex
Entries 209
Mean -27.87
RMS 50.61
Underflow 147
Overflow 2
χ² / ndf 9.577 / 38
Constant 2.474 ± 4.478
Mean -620.7 ± 780.9
Sigma 506 ± 331.6
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 209
Mean -15.23
RMS 44.52
Underflow 20
Overflow 3
χ² / ndf 49.41 / 75
Constant 2.176 ± 0.259
Mean -17.37 ± 10.49
Sigma 74.26 ± 16.29
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 209
Mean x -29.83
Mean y 1.255
RMS x 53.38
RMS y 27.35
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 209
Mean x -1.613
Mean y 0.6073
RMS x 42.42
RMS y 33.76
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 209
Mean 0.8475
RMS 0.1138
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 209
Mean 0.7325
RMS 0.166
Underflow 0
Overflow 0