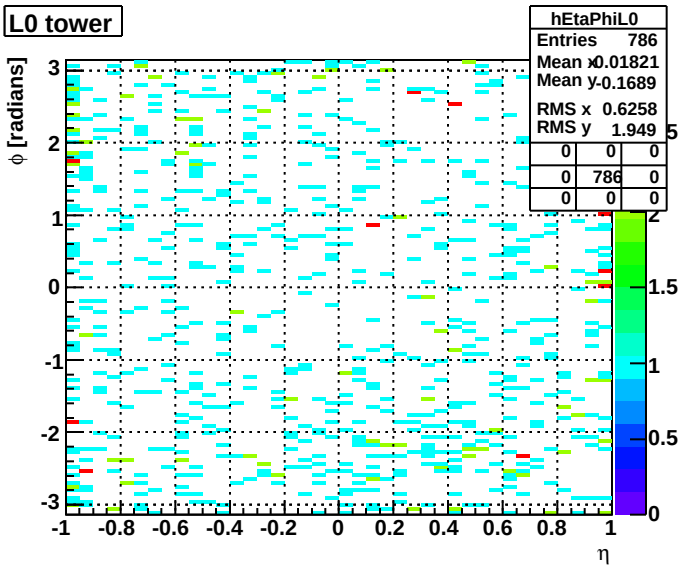
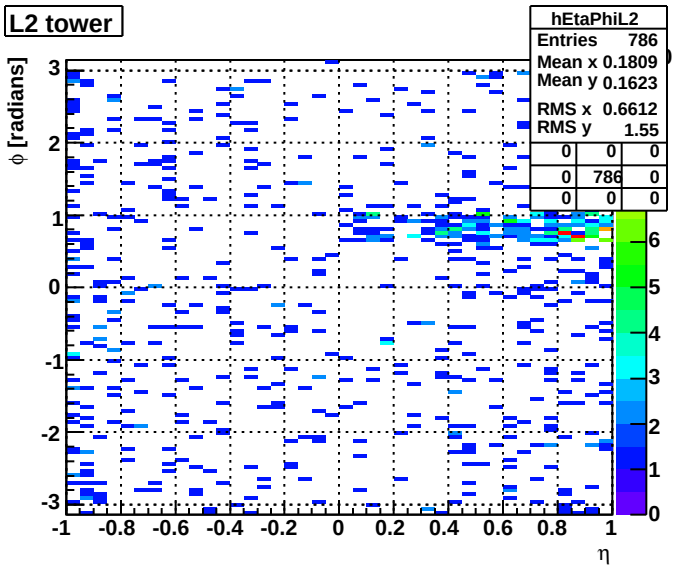
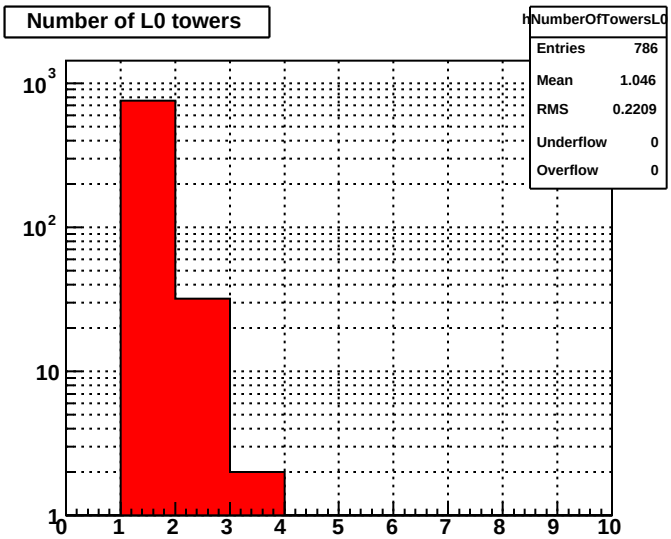
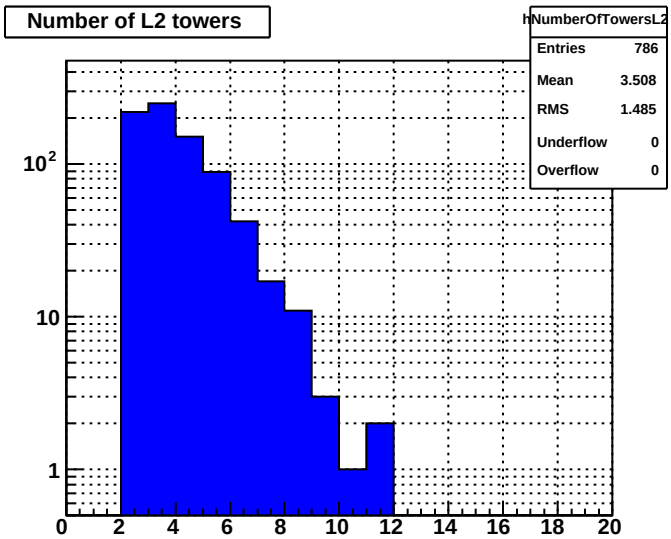
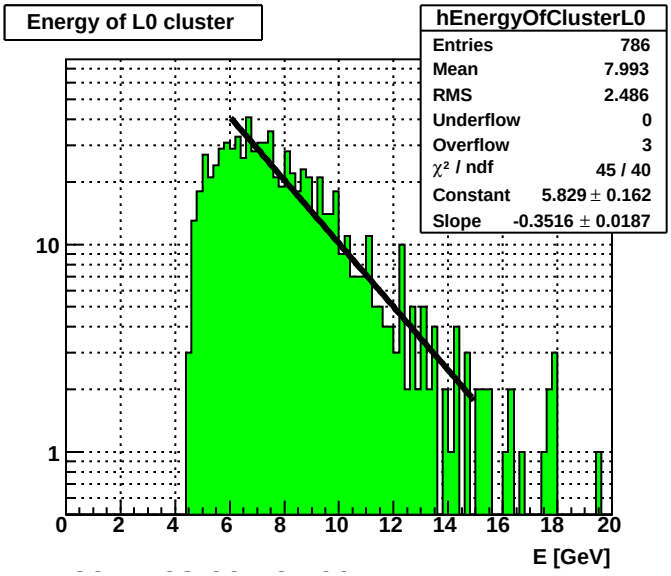
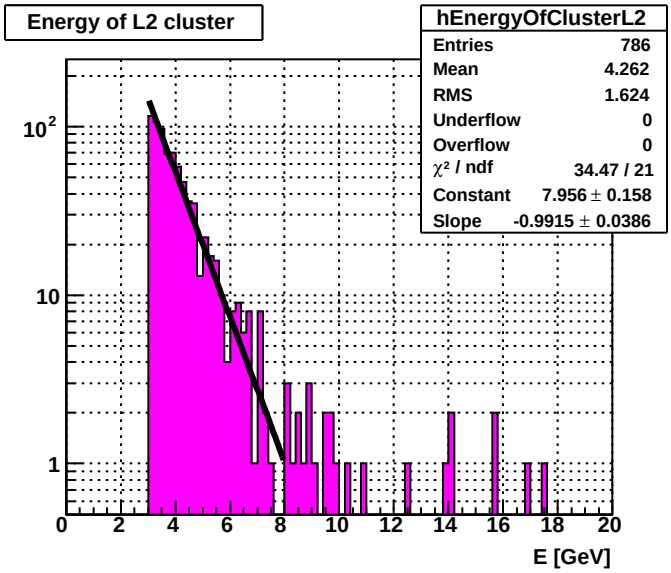

L0 tower
hEtaPhiL0
Entries 786
Mean x 0.01821
Mean y -0.1689
RMS x 0.6258
RMS y 1.949
φ [radians]
η

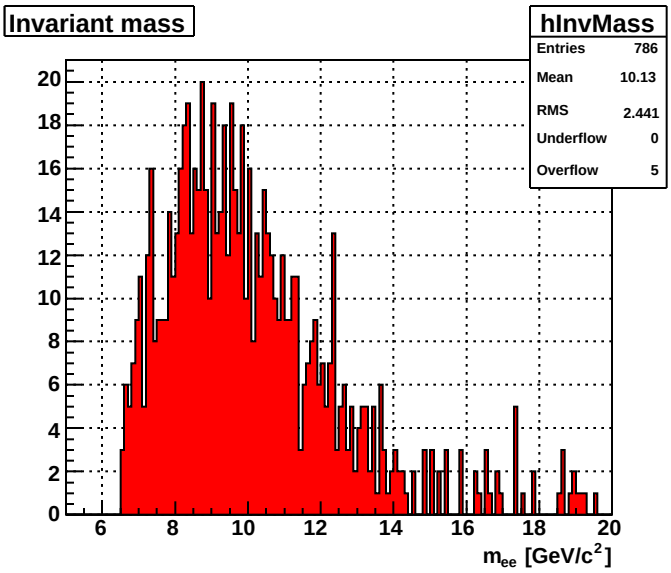

L2 tower
hEtaPhiL2
Entries 786
Mean x 0.1809
Mean y 0.1623
RMS x 0.6612
RMS y 1.55
φ [radians]
η

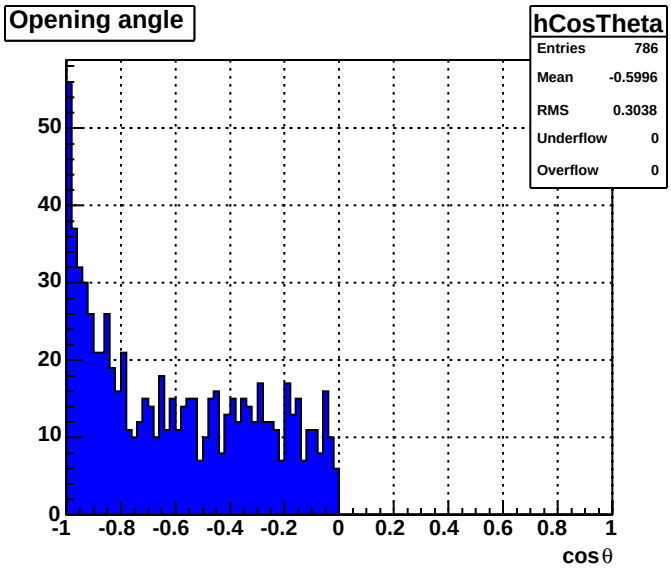

Number of L0 towers
hNumberOfTowersL0
Entries 786
Mean 1.046
RMS 0.2209
Underflow 0
Overflow 0

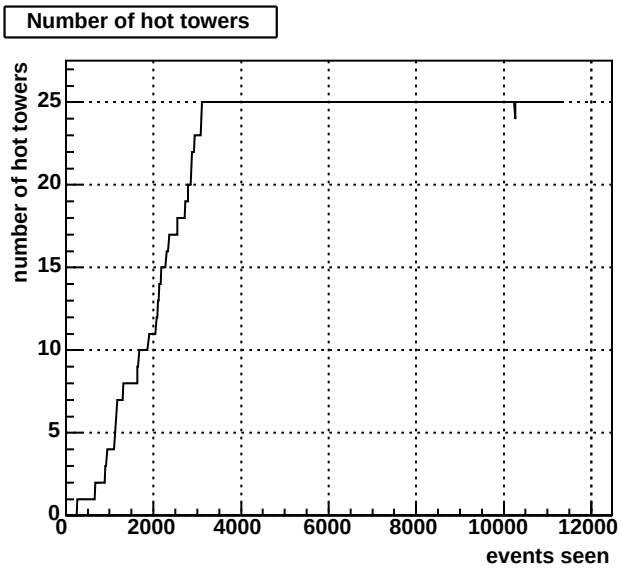

Number of L2 towers
hNumberOfTowersL2
Entries 786
Mean 3.508
RMS 1.485
Underflow 0
Overflow 0

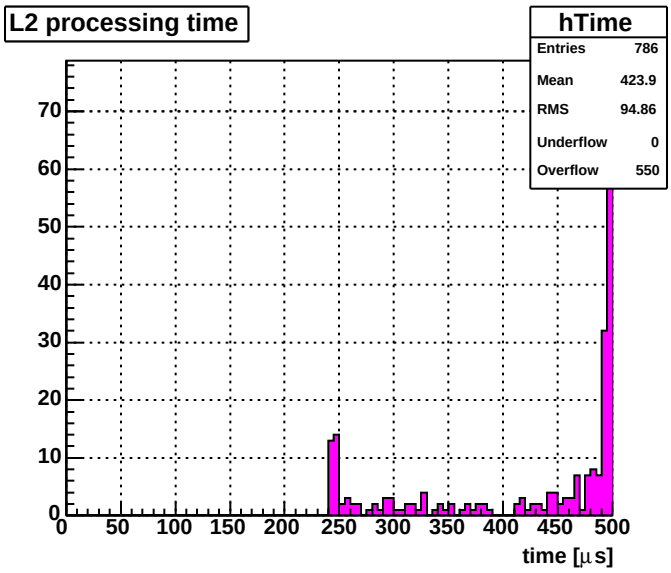

Energy of L0 cluster
hEnergyOfClusterL0
Entries 786
Mean 7.993
RMS 2.486
Underflow 0
Overflow 3
χ² / ndf 45 / 40
Constant 5.829 ± 0.162
Slope -0.3516 ± 0.0187
E [GeV]

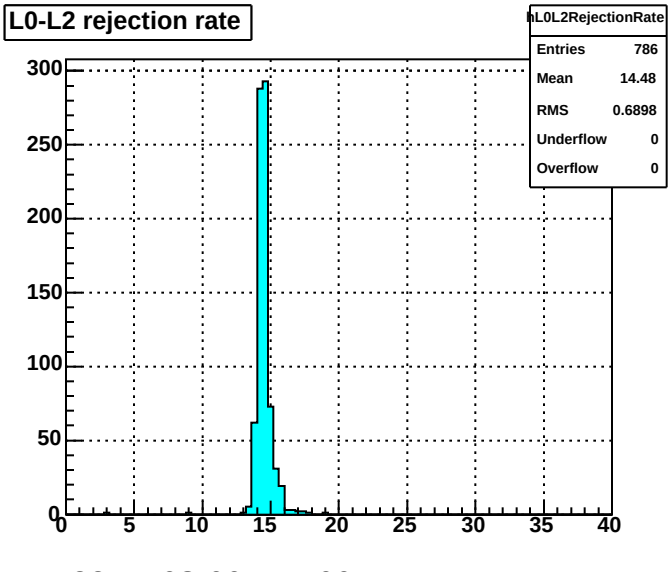

Energy of L2 cluster
hEnergyOfClusterL2
Entries 786
Mean 4.262
RMS 1.624
Underflow 0
Overflow 0
χ² / ndf 34.47 / 21
Constant 7.956 ± 0.158
Slope -0.9915 ± 0.0386
E [GeV]

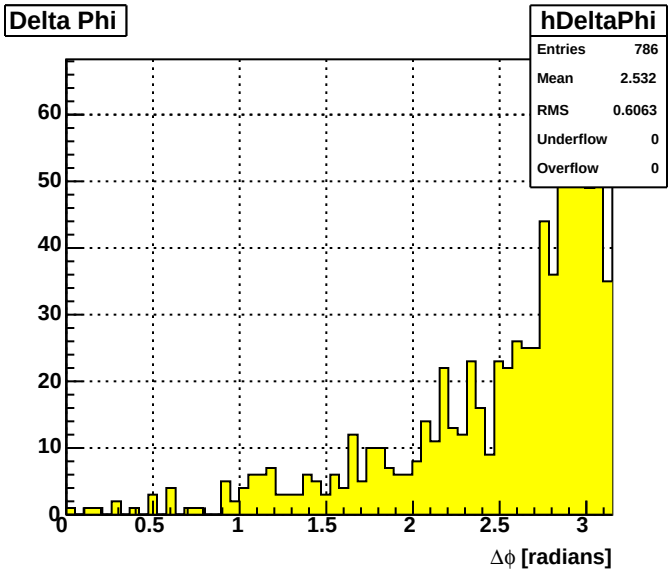

Invariant mass
hInvMass
Entries 786
Mean 10.13
RMS 2.441
Underflow 0
Overflow 5
m_{ee} [GeV/c^2]

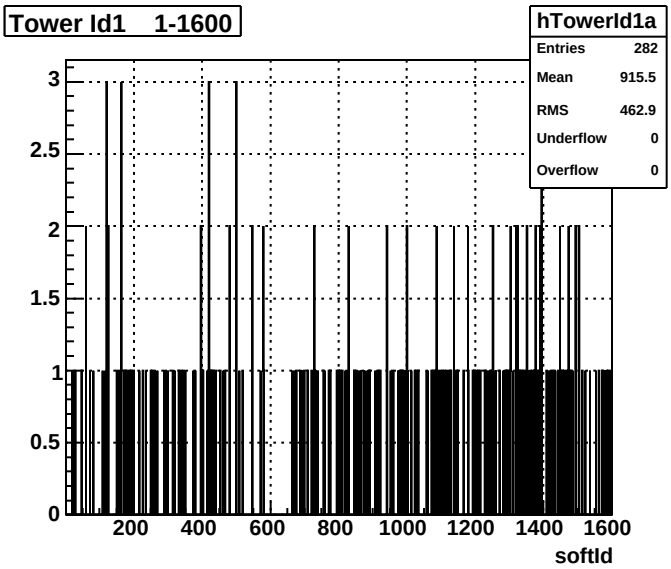

Opening angle
hCosTheta
Entries 786
Mean -0.5996
RMS 0.3038
Underflow 0
Overflow 0
cos θ

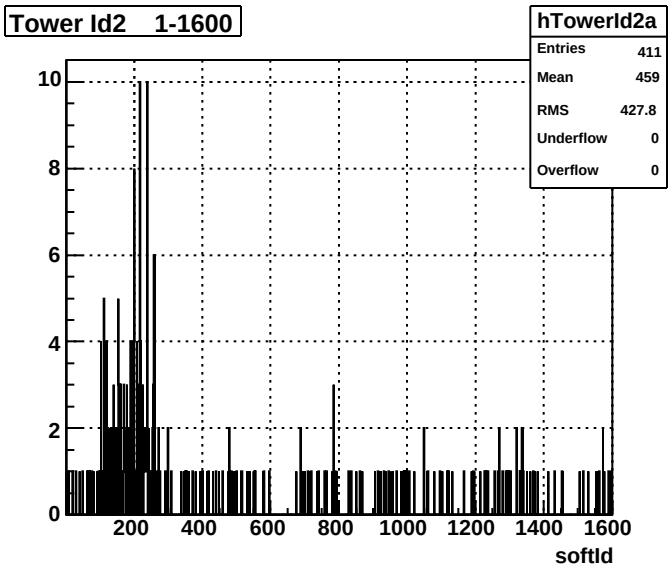

Number of hot towers
number of hot towers
events seen

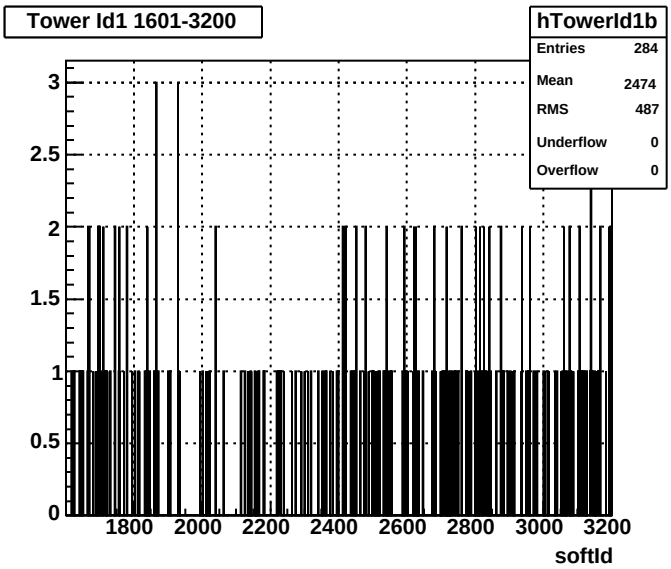

L2 processing time
hTime
Entries 786
Mean 423.9
RMS 94.86
Underflow 0
Overflow 550
time [μs]

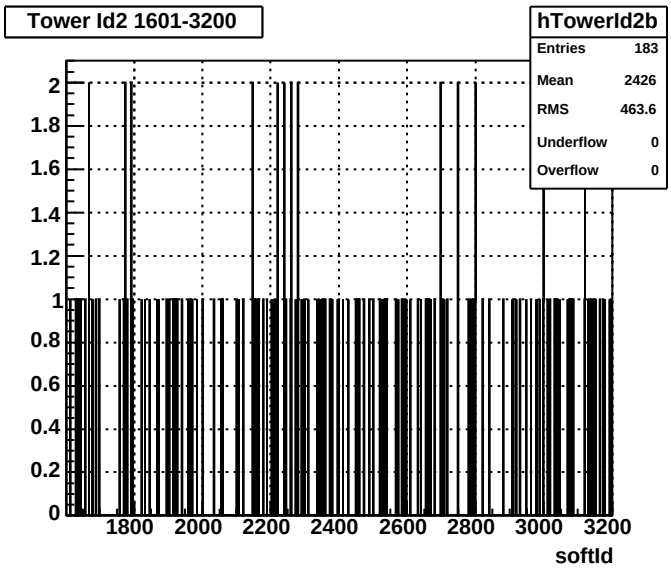

L0-L2 rejection rate
hL0L2RejectionRate
Entries 786
Mean 14.48
RMS 0.6898
Underflow 0
Overflow 0

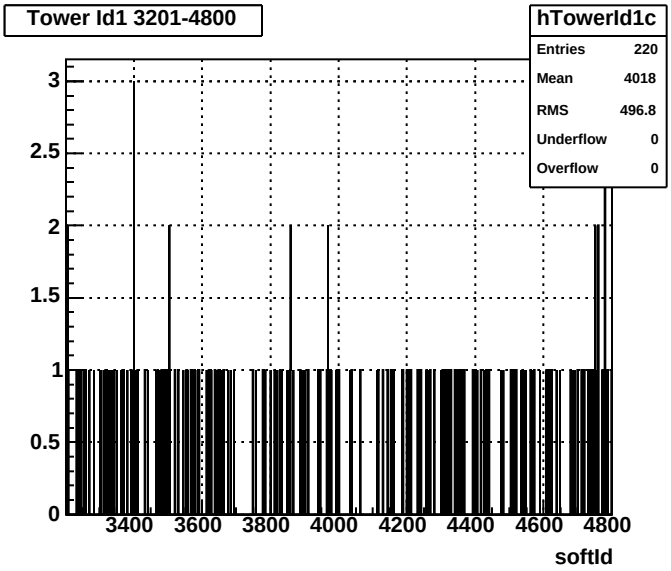

Delta Phi
hDeltaPhi
Entries 786
Mean 2.532
RMS 0.6063
Underflow 0
Overflow 0
Δφ [radians]

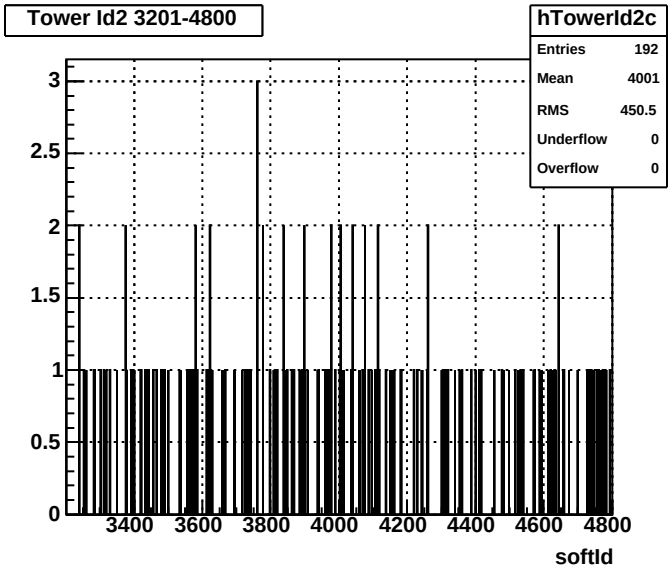

Tower Id1 1-1600
hTowerId1a
Entries 282
Mean 915.5
RMS 462.9
Underflow 0
Overflow 0
softId

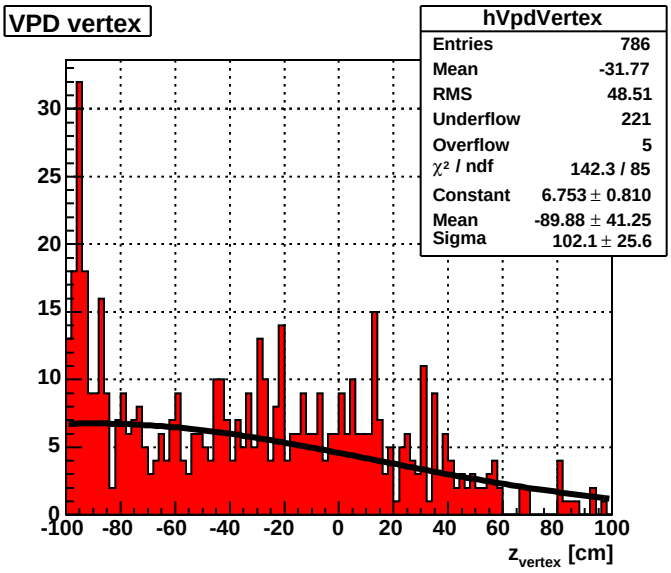

Tower Id2 1-1600
hTowerId2a
Entries 411
Mean 459
RMS 427.8
Underflow 0
Overflow 0
softId

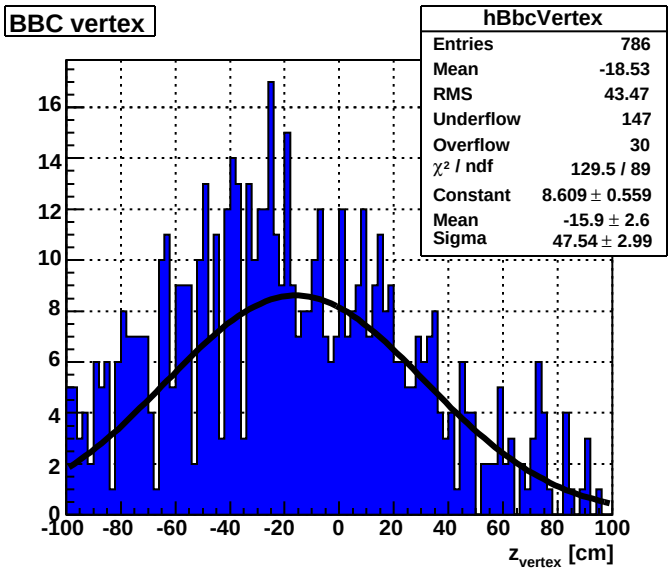

Tower Id1 1601-3200
hTowerId1b
Entries 284
Mean 2474
RMS 487
Underflow 0
Overflow 0
softId

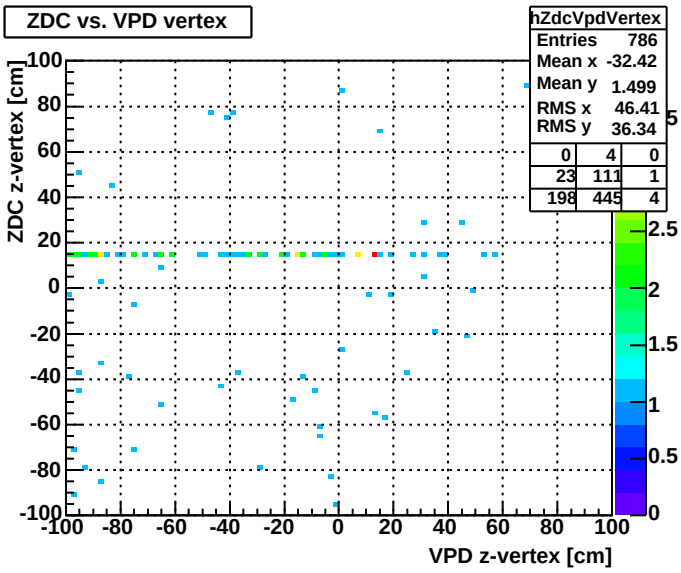

Tower Id2 1601-3200
hTowerId2b
Entries 183
Mean 2426
RMS 463.6
Underflow 0
Overflow 0
softId

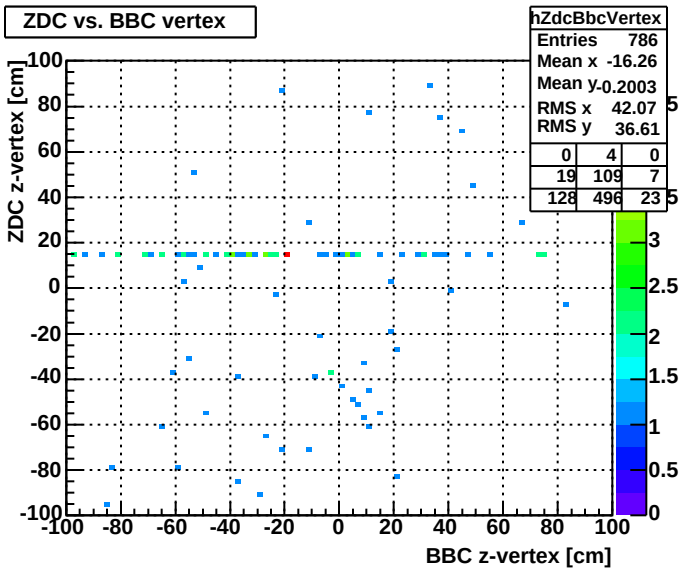

Tower Id1 3201-4800
hTowerId1c
Entries 220
Mean 4018
RMS 496.8
Underflow 0
Overflow 0
softId

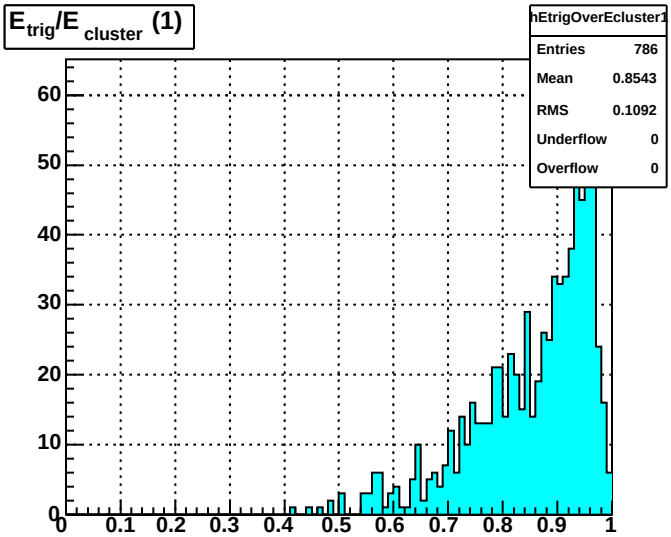

Tower Id2 3201-4800
hTowerId2c
Entries 192
Mean 4001
RMS 450.5
Underflow 0
Overflow 0
softId

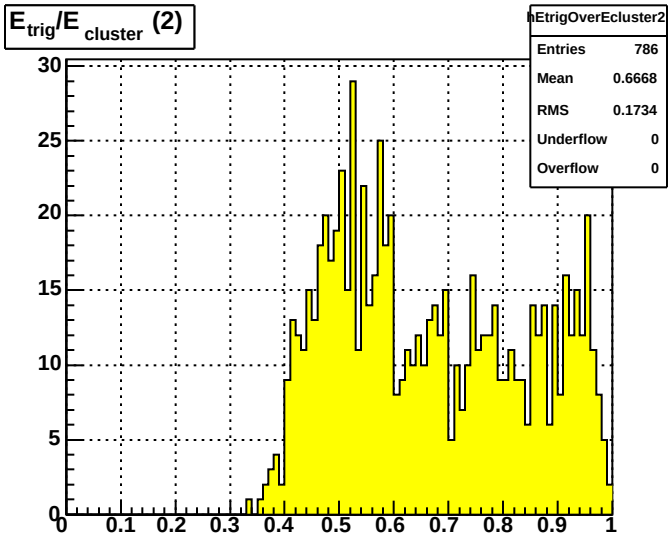

VPD vertex
hVpdVertex
Entries 786
Mean -31.77
RMS 48.51
Underflow 221
Overflow 5
χ² / ndf 142.3 / 85
Constant 6.753 ± 0.810
Mean -89.88 ± 41.25
Sigma 102.1 ± 25.6
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 786
Mean -18.53
RMS 43.47
Underflow 147
Overflow 30
χ² / ndf 129.5 / 89
Constant 8.609 ± 0.559
Mean -15.9 ± 2.6
Sigma 47.54 ± 2.99
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 786
Mean x -32.42
Mean y 1.499
RMS x 46.41
RMS y 36.34
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 786
Mean x -16.26
Mean y -0.2003
RMS x 42.07
RMS y 36.61
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 786
Mean 0.8543
RMS 0.1092
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 786
Mean 0.6668
RMS 0.1734
Underflow 0
Overflow 0