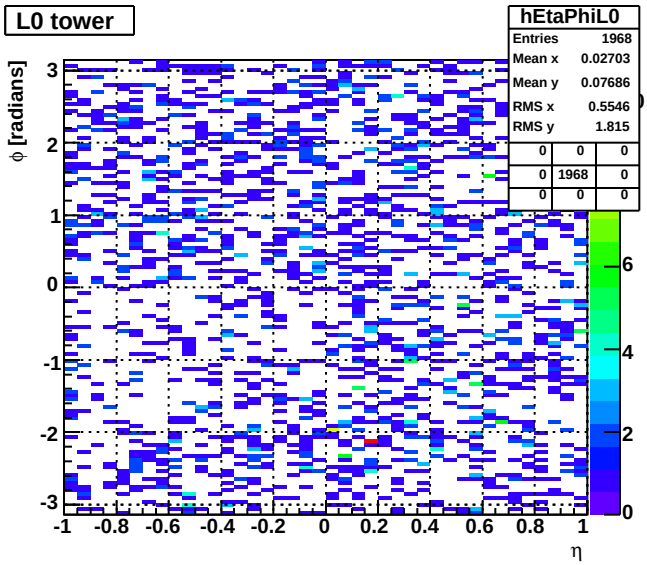
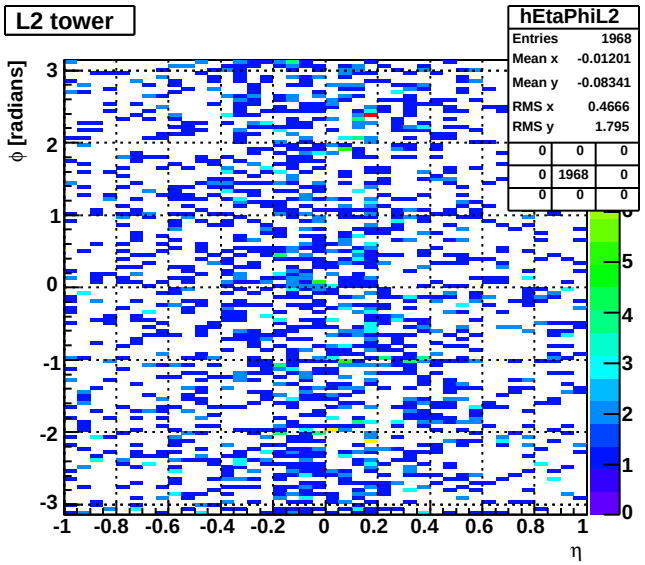
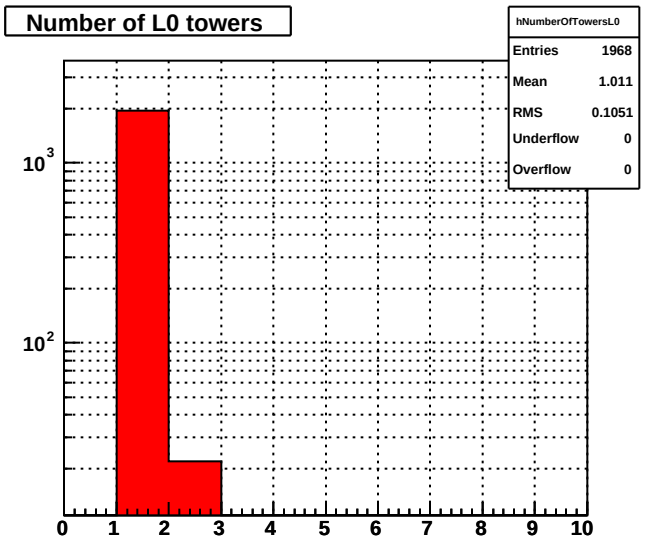
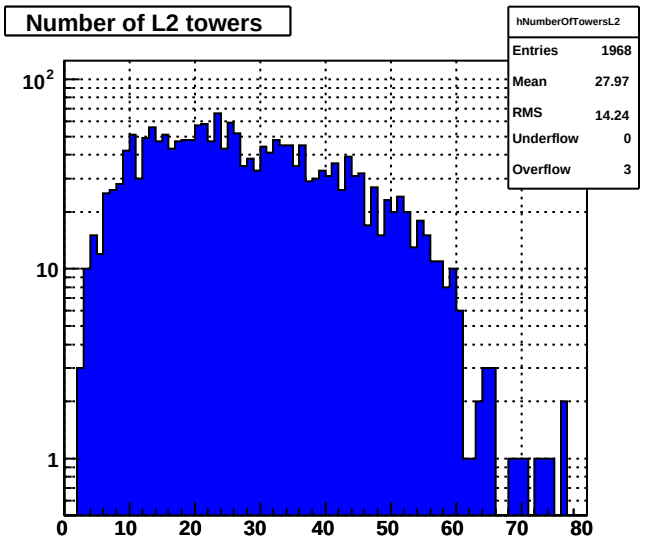
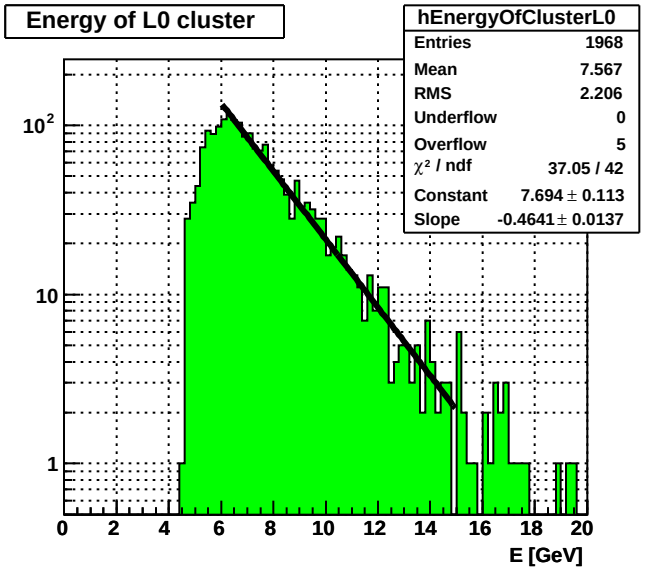
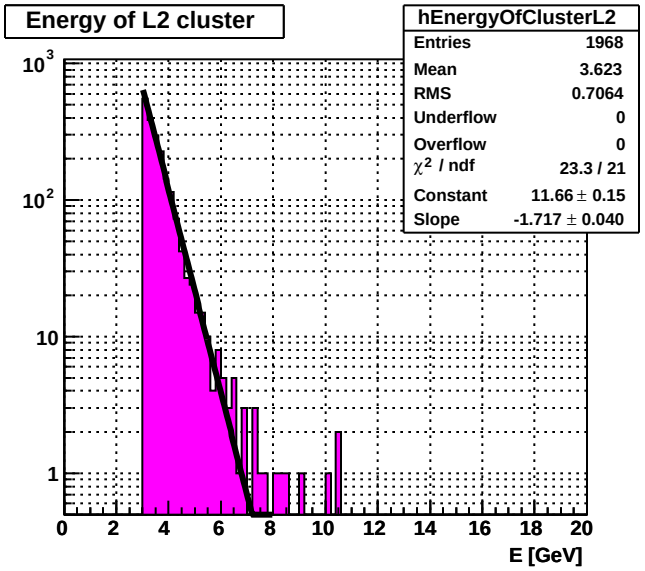

L0 tower
hEtaPhiL0
Entries 1968
Mean x 0.02703
Mean y 0.07686
RMS x 0.5546
RMS y 1.815
φ [radians]
η

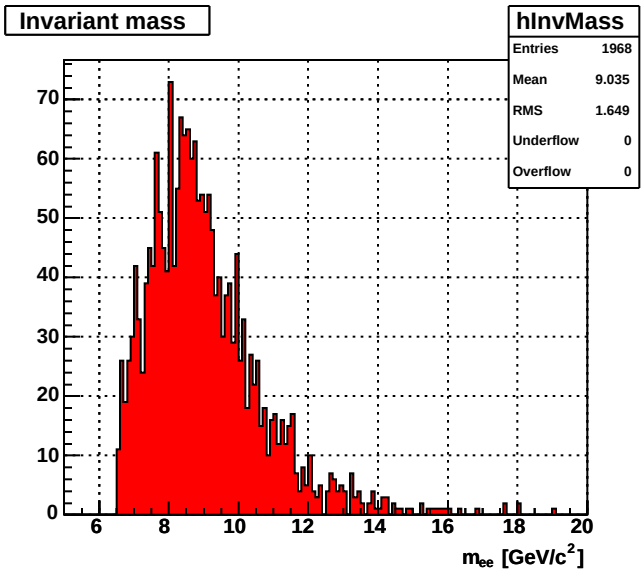

L2 tower
hEtaPhiL2
Entries 1968
Mean x -0.01201
Mean y -0.08341
RMS x 0.4666
RMS y 1.795
φ [radians]
η

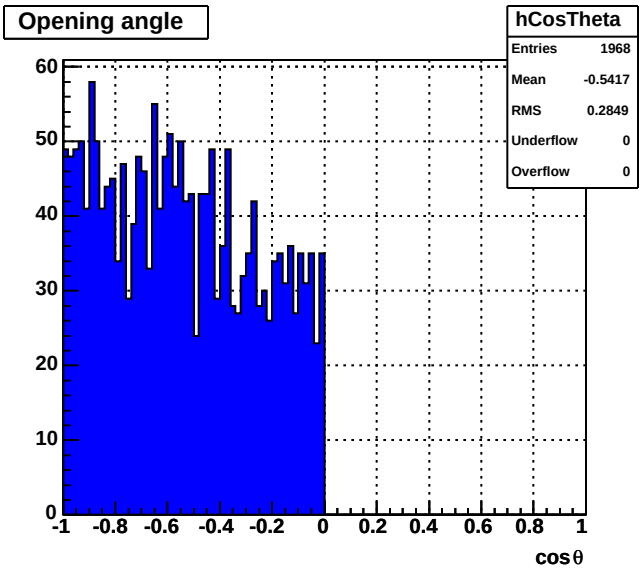

Number of L0 towers
hNumberOfTowersL0
Entries 1968
Mean 1.011
RMS 0.1051
Underflow 0
Overflow 0

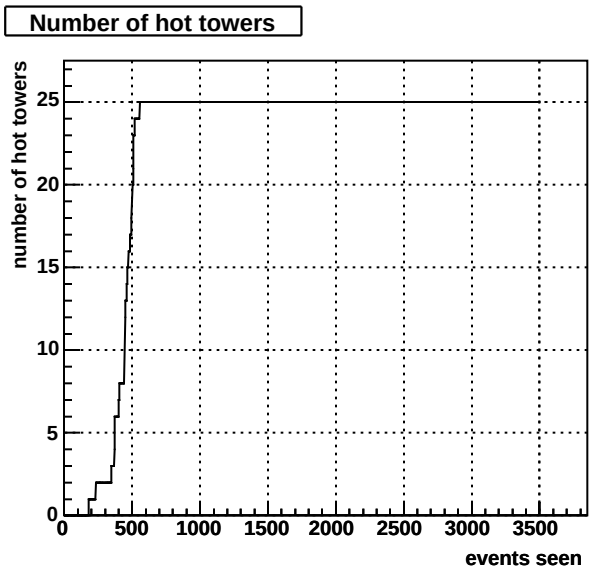

Number of L2 towers
hNumberOfTowersL2
Entries 1968
Mean 27.97
RMS 14.24
Underflow 0
Overflow 3

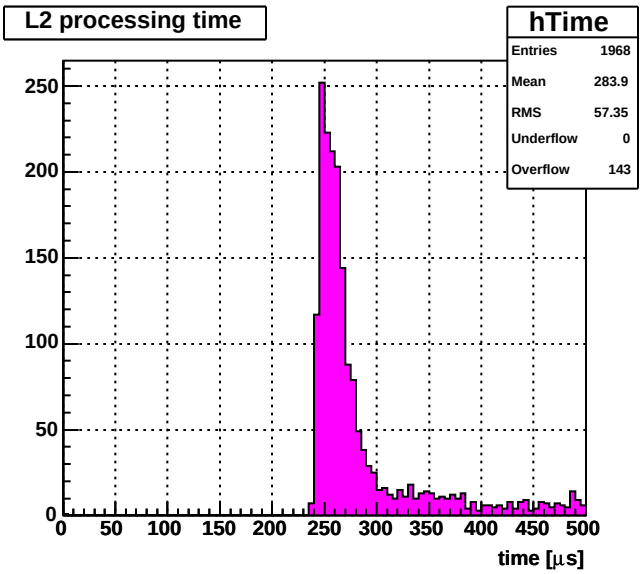

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1968
Mean 7.567
RMS 2.206
Underflow 0
Overflow 5
χ² / ndf 37.05 / 42
Constant 7.694 ± 0.113
Slope -0.4641 ± 0.0137
E [GeV]

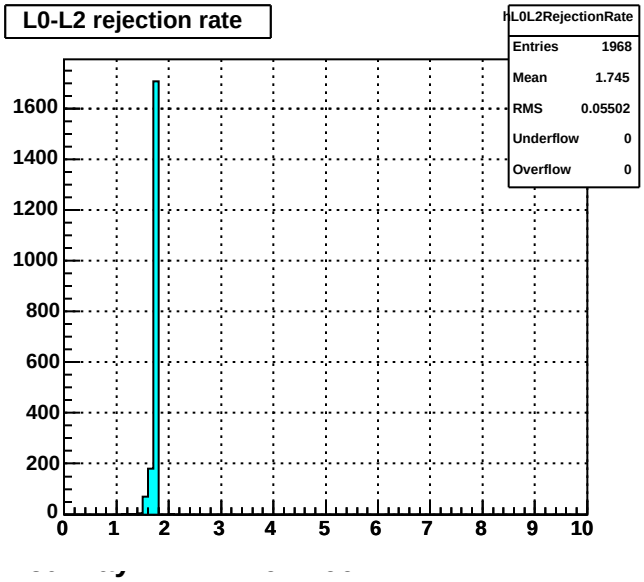

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1968
Mean 3.623
RMS 0.7064
Underflow 0
Overflow 0
χ² / ndf 23.3 / 21
Constant 11.66 ± 0.15
Slope -1.717 ± 0.040
E [GeV]

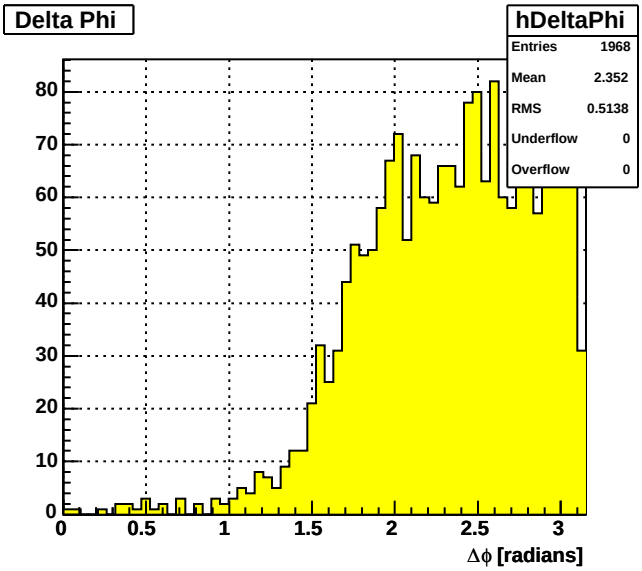

Invariant mass
hInvMass
Entries 1968
Mean 9.035
RMS 1.649
Underflow 0
Overflow 0
m_{ee} [GeV/c^2]

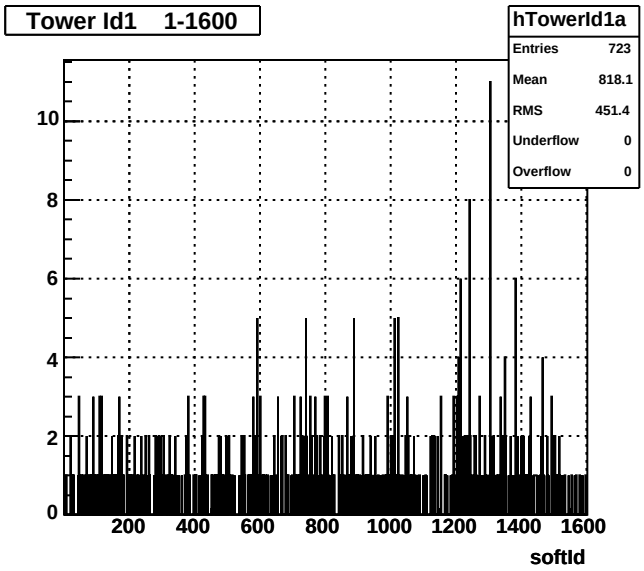

Opening angle
hCosTheta
Entries 1968
Mean -0.5417
RMS 0.2849
Underflow 0
Overflow 0
cos θ

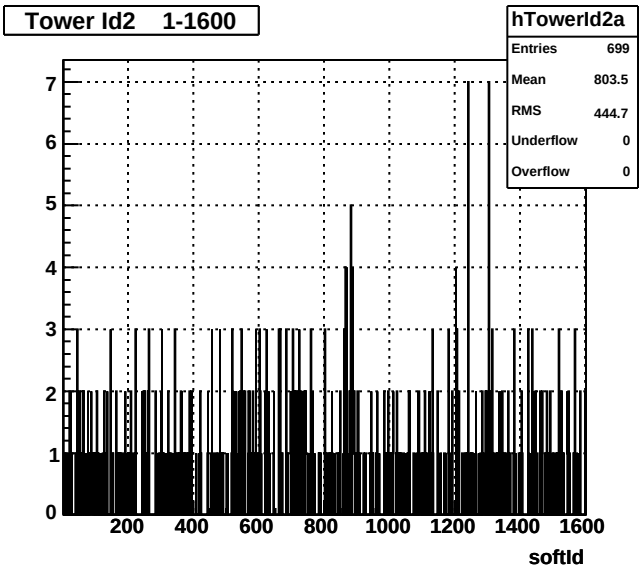

Number of hot towers
number of hot towers
events seen

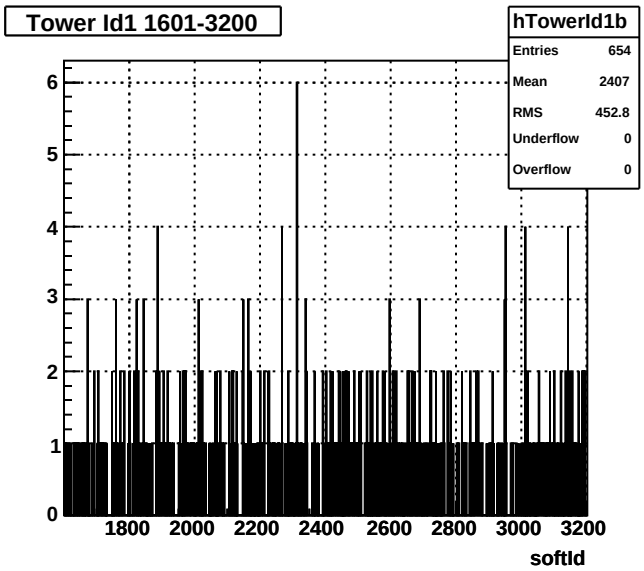

L2 processing time
hTime
Entries 1968
Mean 283.9
RMS 57.35
Underflow 0
Overflow 143
time [μs]

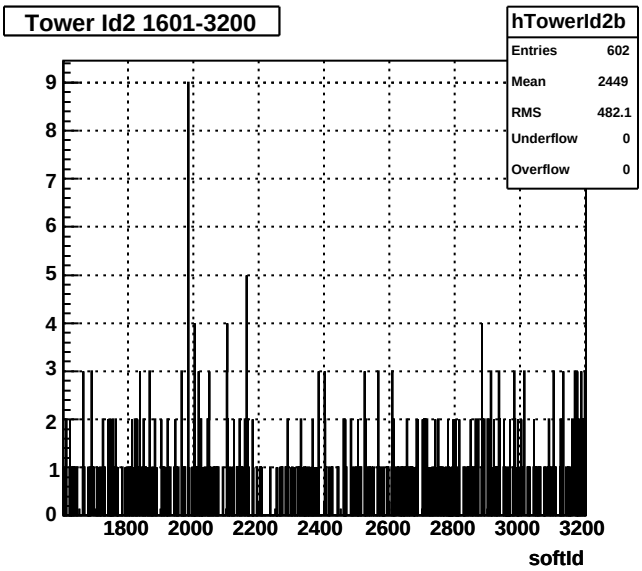

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1968
Mean 1.745
RMS 0.05502
Underflow 0
Overflow 0

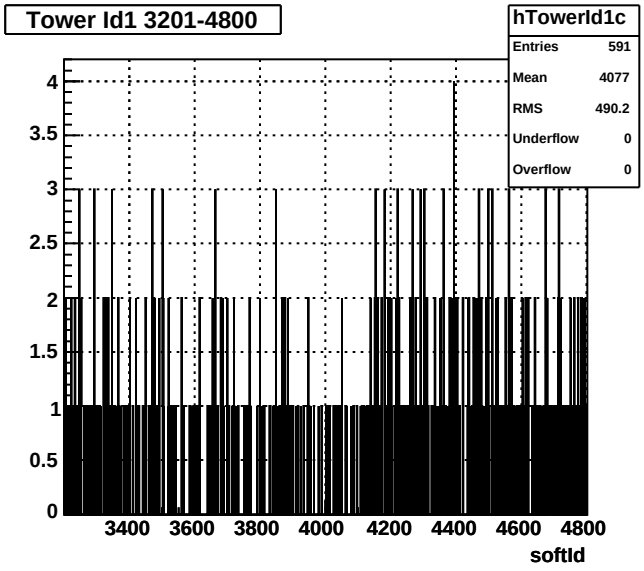

Delta Phi
hDeltaPhi
Entries 1968
Mean 2.352
RMS 0.5138
Underflow 0
Overflow 0
Δφ [radians]

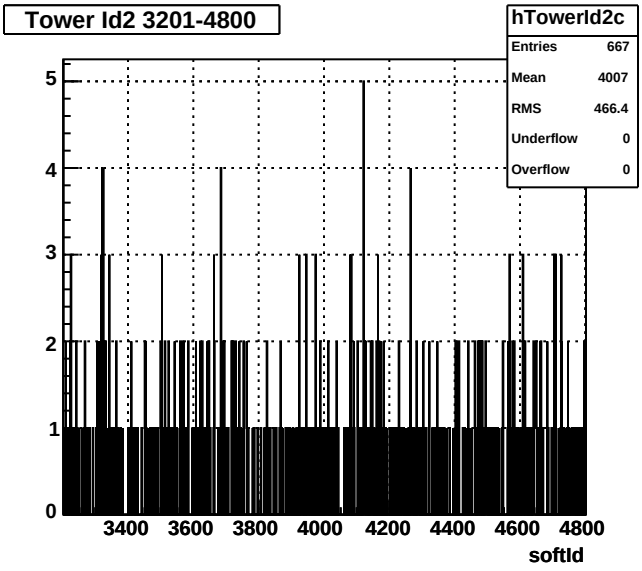

Tower Id1 1-1600
hTowerId1a
Entries 723
Mean 818.1
RMS 451.4
Underflow 0
Overflow 0
softId

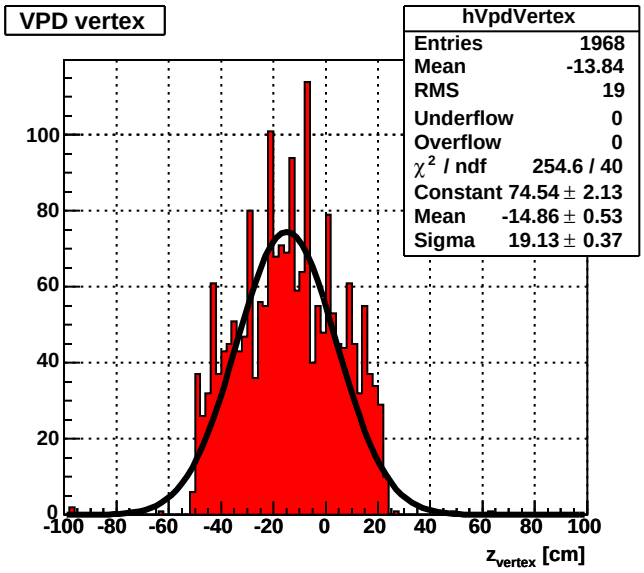

Tower Id2 1-1600
hTowerId2a
Entries 699
Mean 803.5
RMS 444.7
Underflow 0
Overflow 0
softId

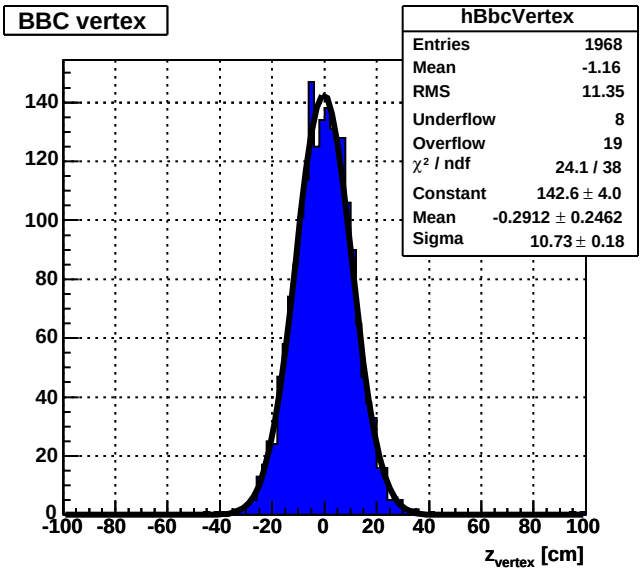

Tower Id1 1601-3200
hTowerId1b
Entries 654
Mean 2407
RMS 452.8
Underflow 0
Overflow 0
softId

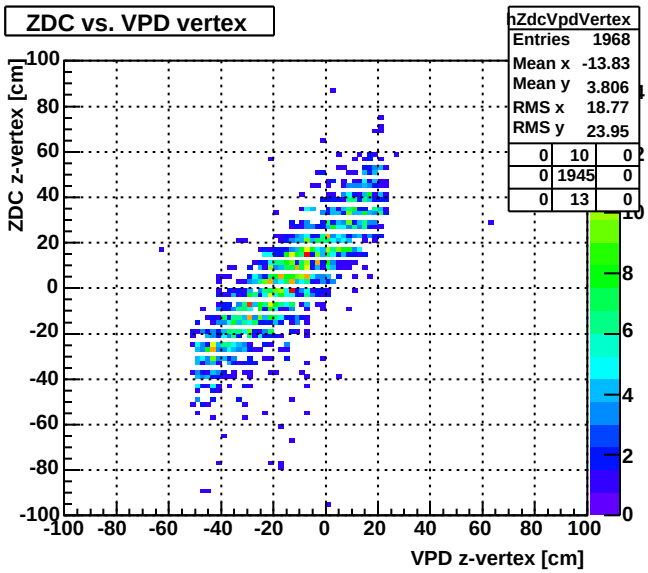

Tower Id2 1601-3200
hTowerId2b
Entries 602
Mean 2449
RMS 482.1
Underflow 0
Overflow 0
softId

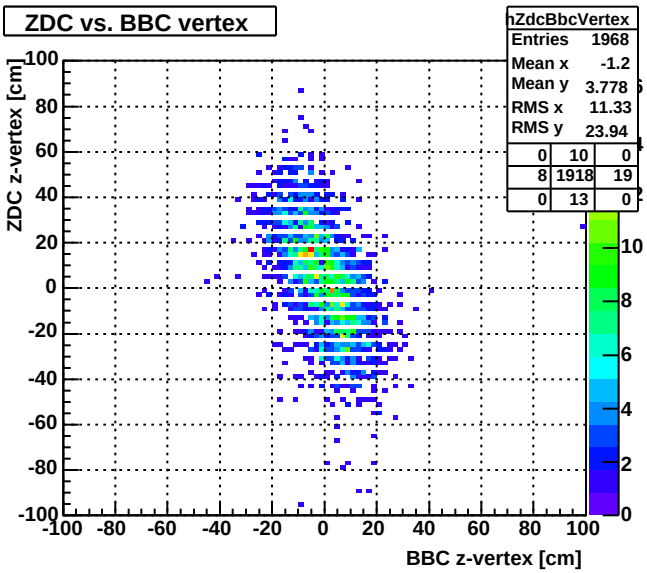

Tower Id1 3201-4800
hTowerId1c
Entries 591
Mean 4077
RMS 490.2
Underflow 0
Overflow 0
softId

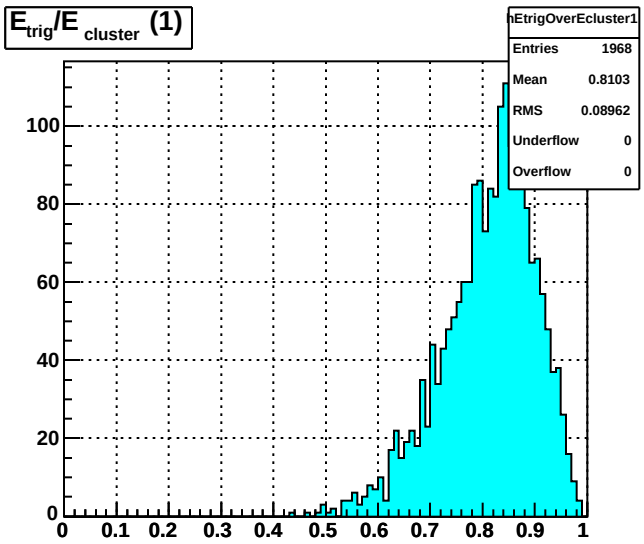

Tower Id2 3201-4800
hTowerId2c
Entries 667
Mean 4007
RMS 466.4
Underflow 0
Overflow 0
softId

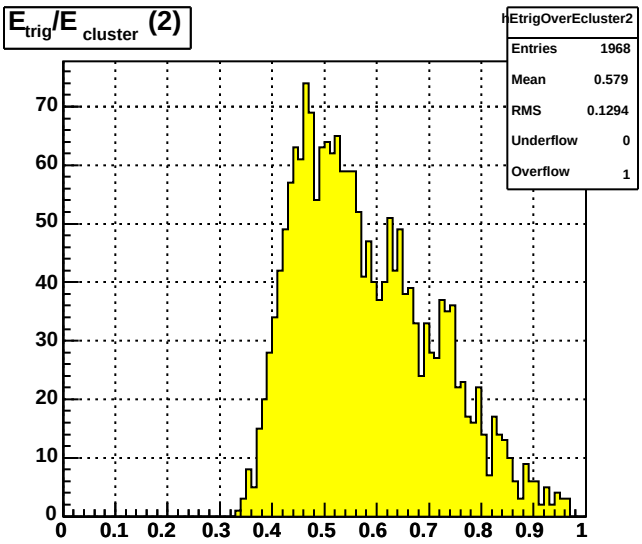

VPD vertex
hVpdVertex
Entries 1968
Mean -13.84
RMS 19
Underflow 0
Overflow 0
χ² / ndf 254.6 / 40
Constant 74.54 ± 2.13
Mean -14.86 ± 0.53
Sigma 19.13 ± 0.37
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1968
Mean -1.16
RMS 11.35
Underflow 8
Overflow 19
χ² / ndf 24.1 / 38
Constant 142.6 ± 4.0
Mean -0.2912 ± 0.2462
Sigma 10.73 ± 0.18
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1968
Mean x -13.83
Mean y 3.806
RMS x 18.77
RMS y 23.95
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1968
Mean x -1.2
Mean y 3.778
RMS x 11.33
RMS y 23.94
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1968
Mean 0.8103
RMS 0.08962
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1968
Mean 0.579
RMS 0.1294
Underflow 0
Overflow 1