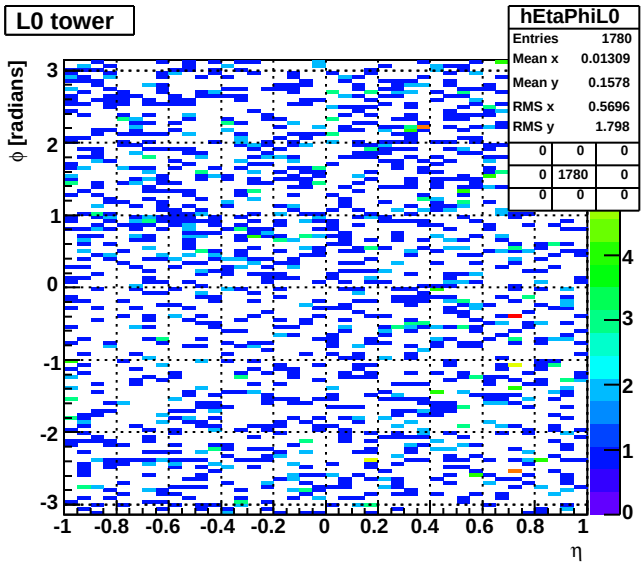
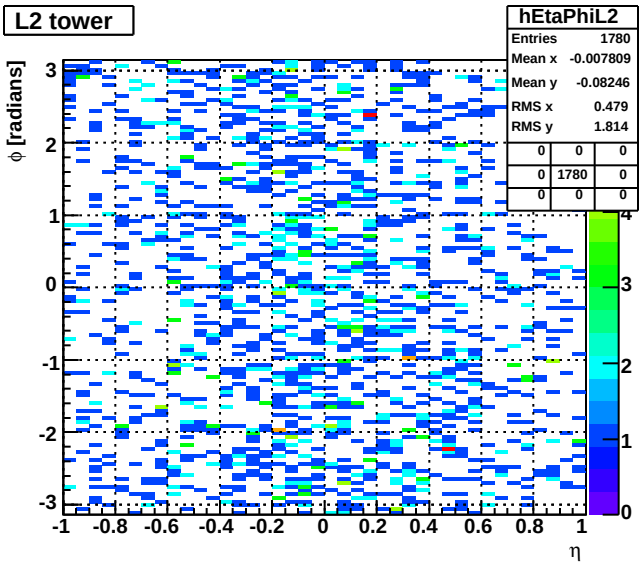
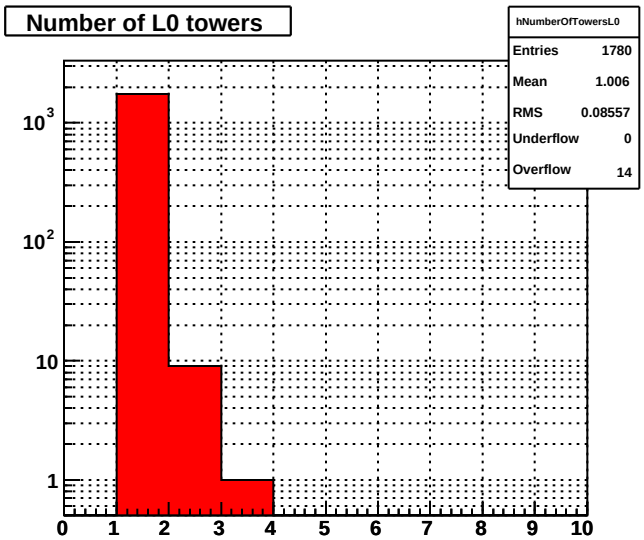
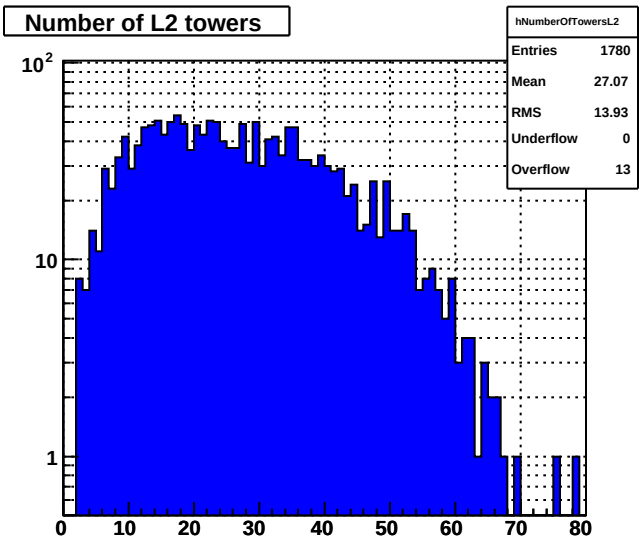
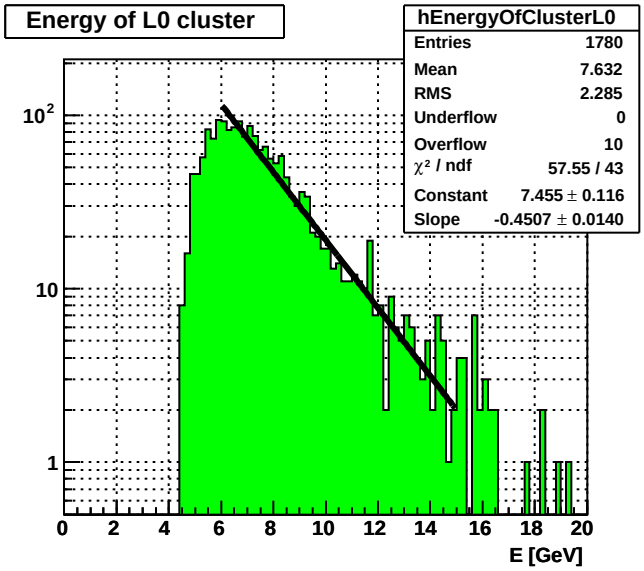
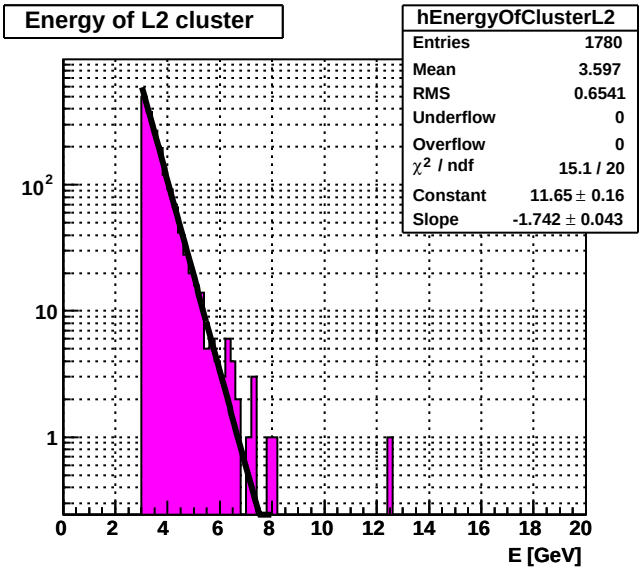

L0 tower
hEtaPhiL0
Entries 1780
Mean x 0.01309
Mean y 0.1578
RMS x 0.5696
RMS y 1.798
φ [radians]
η

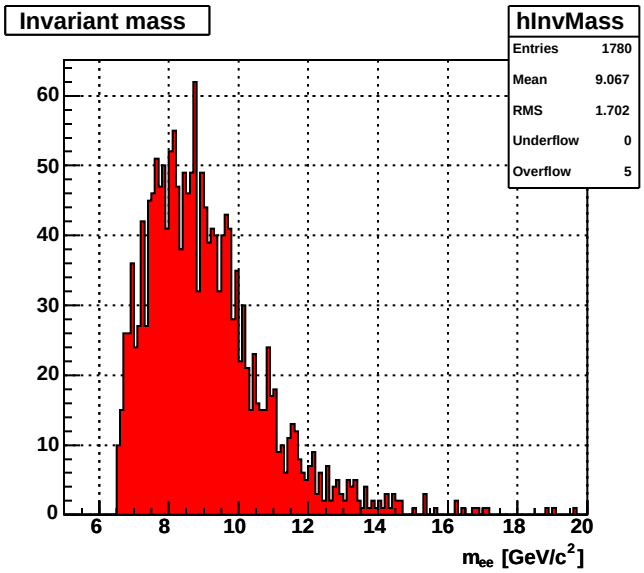

L2 tower
hEtaPhiL2
Entries 1780
Mean x -0.007809
Mean y -0.08246
RMS x 0.479
RMS y 1.814
φ [radians]
η

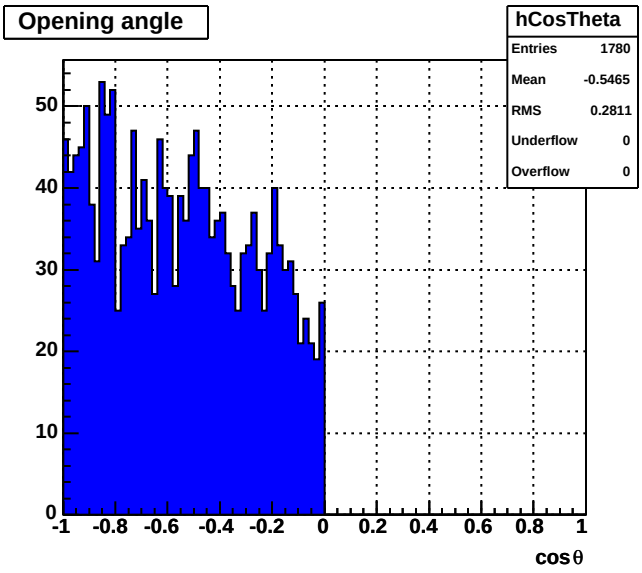

Number of L0 towers
hNumberOfTowersL0
Entries 1780
Mean 1.006
RMS 0.08557
Underflow 0
Overflow 14

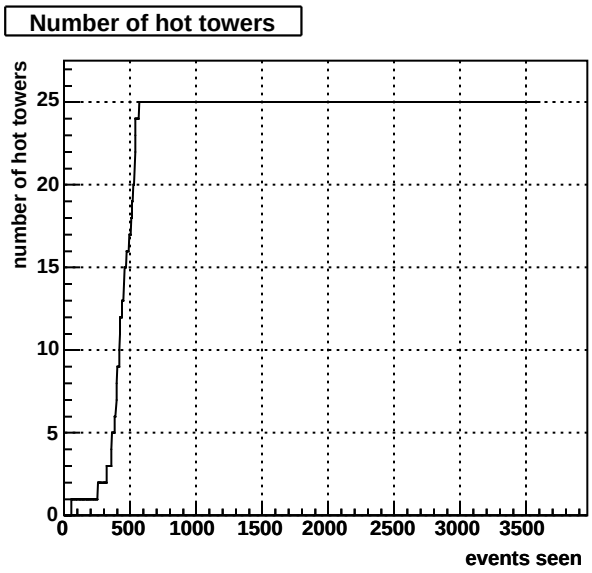

Number of L2 towers
hNumberOfTowersL2
Entries 1780
Mean 27.07
RMS 13.93
Underflow 0
Overflow 13

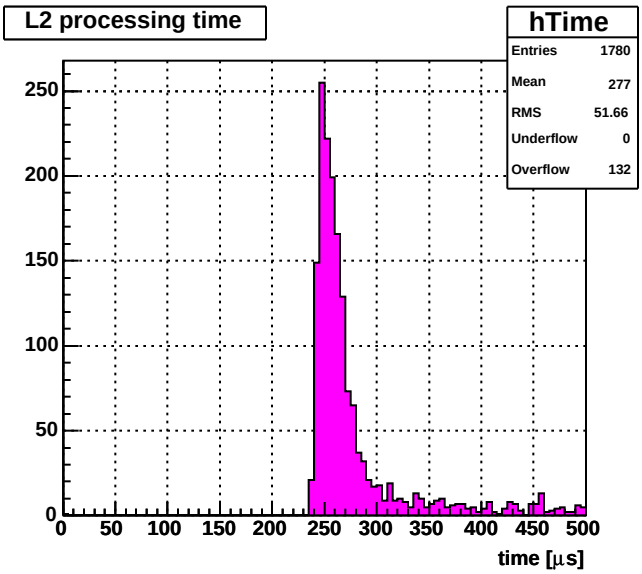

Energy of L0 cluster
hEnergyOfClusterL0
Entries 1780
Mean 7.632
RMS 2.285
Underflow 0
Overflow 10
χ² / ndf 57.55 / 43
Constant 7.455 ± 0.116
Slope -0.4507 ± 0.0140
E [GeV]

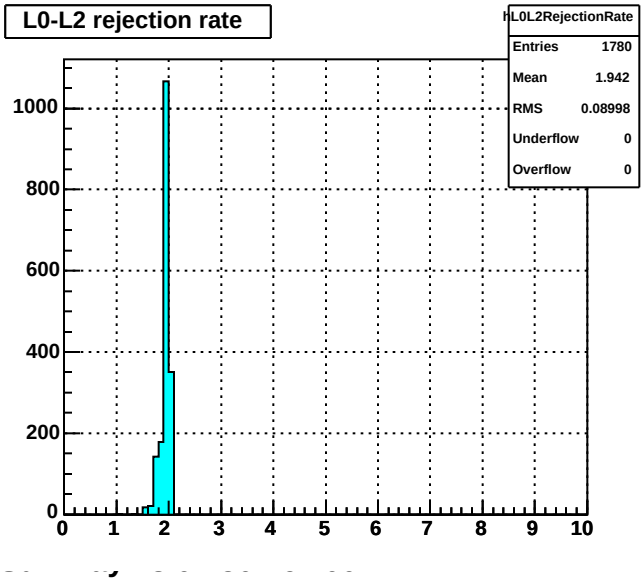

Energy of L2 cluster
hEnergyOfClusterL2
Entries 1780
Mean 3.597
RMS 0.6541
Underflow 0
Overflow 0
χ² / ndf 15.1 / 20
Constant 11.65 ± 0.16
Slope -1.742 ± 0.043
E [GeV]

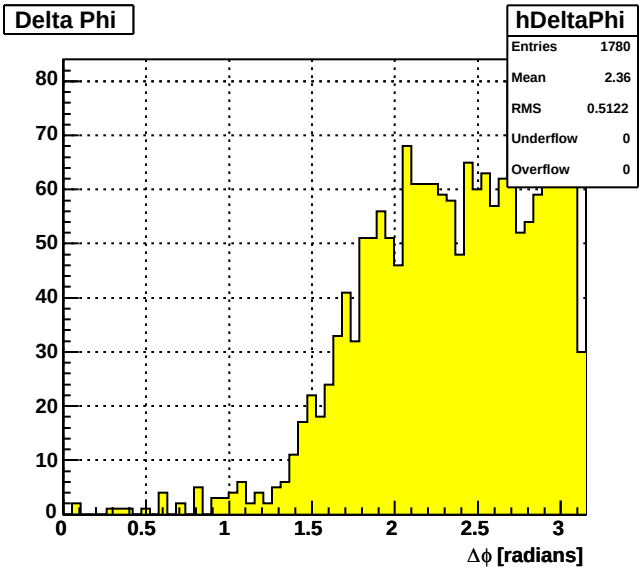

Invariant mass
hInvMass
Entries 1780
Mean 9.067
RMS 1.702
Underflow 0
Overflow 5
m_{ee} [GeV/c^2]

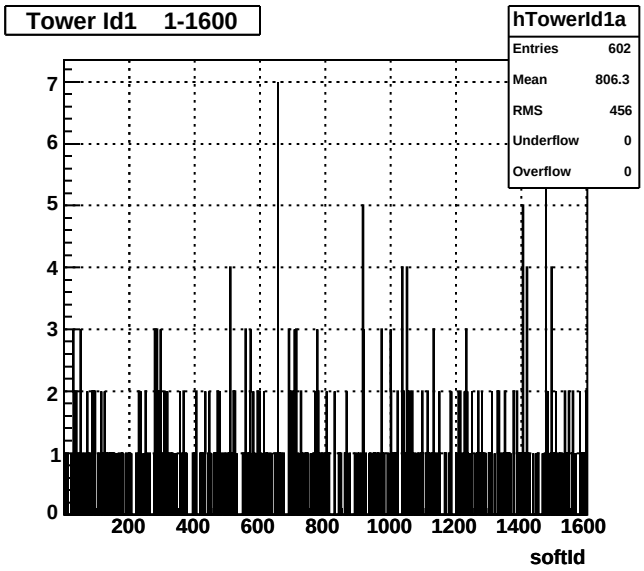

Opening angle
hCosTheta
Entries 1780
Mean -0.5465
RMS 0.2811
Underflow 0
Overflow 0
cos θ

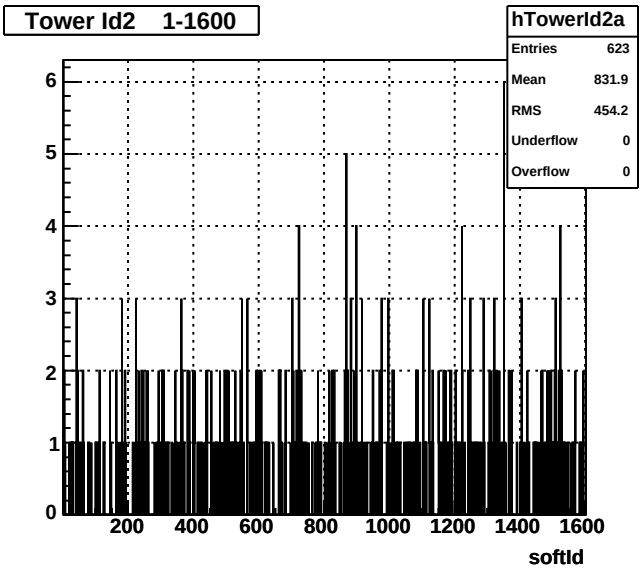

Number of hot towers
number of hot towers
events seen

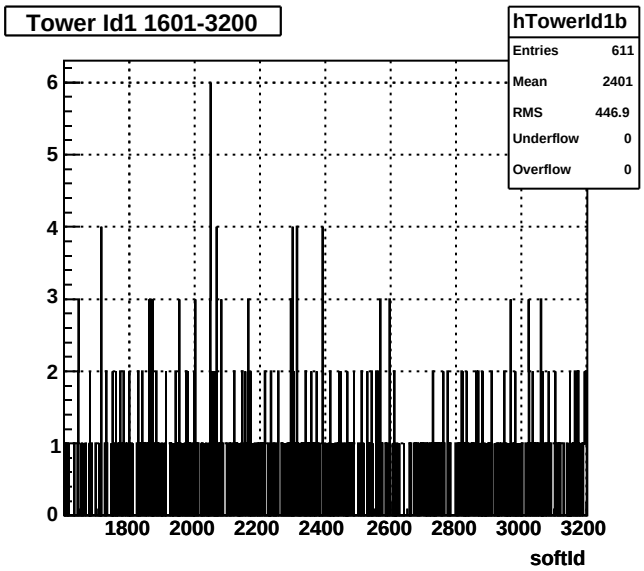

L2 processing time
hTime
Entries 1780
Mean 277
RMS 51.66
Underflow 0
Overflow 132
time [μs]

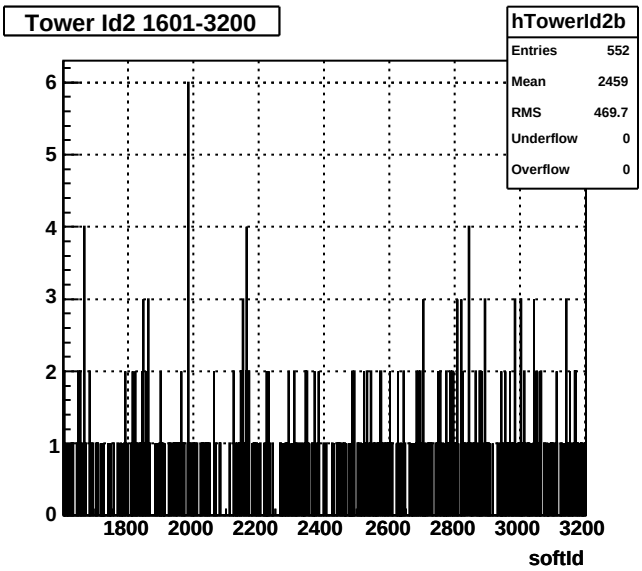

L0-L2 rejection rate
hL0L2RejectionRate
Entries 1780
Mean 1.942
RMS 0.08998
Underflow 0
Overflow 0

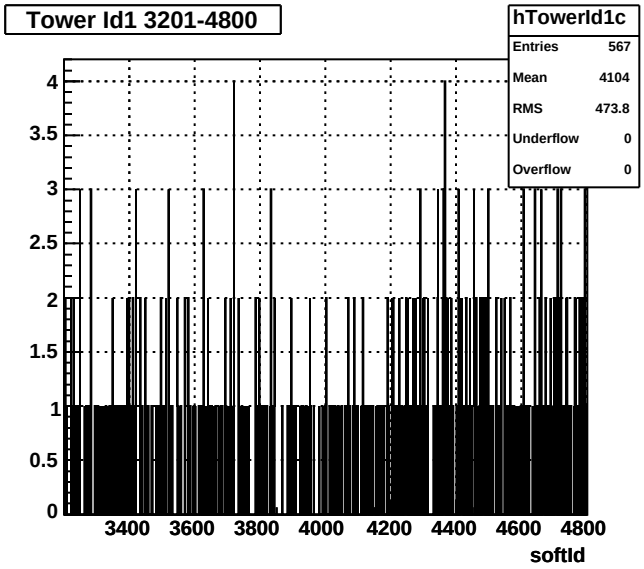

Delta Phi
hDeltaPhi
Entries 1780
Mean 2.36
RMS 0.5122
Underflow 0
Overflow 0
Δφ [radians]

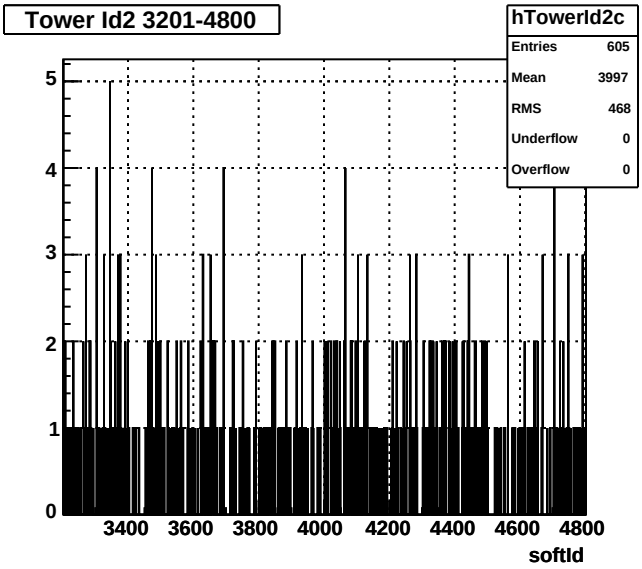

Tower Id1 1-1600
hTowerId1a
Entries 602
Mean 806.3
RMS 456
Underflow 0
Overflow 0
softId

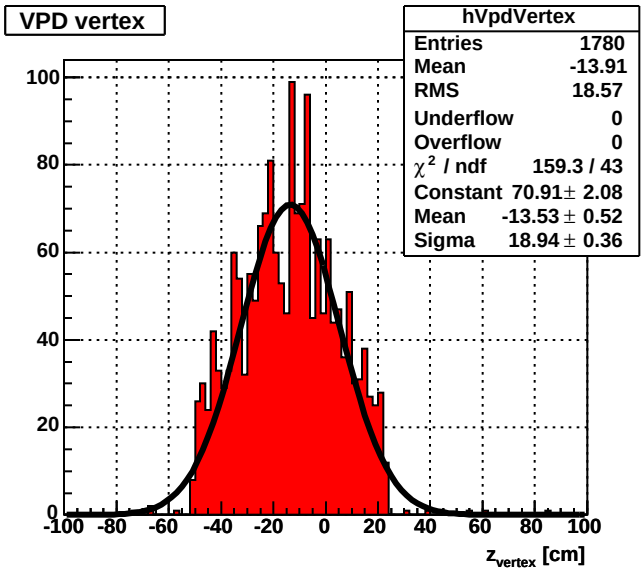

Tower Id2 1-1600
hTowerId2a
Entries 623
Mean 831.9
RMS 454.2
Underflow 0
Overflow 0
softId

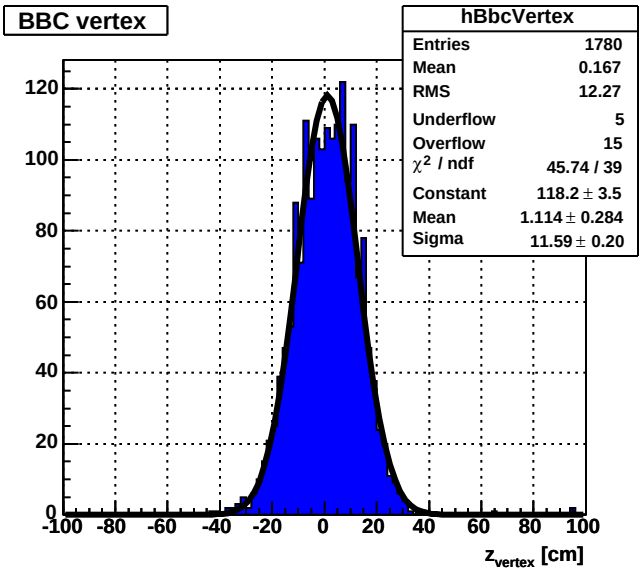

Tower Id1 1601-3200
hTowerId1b
Entries 611
Mean 2401
RMS 446.9
Underflow 0
Overflow 0
softId

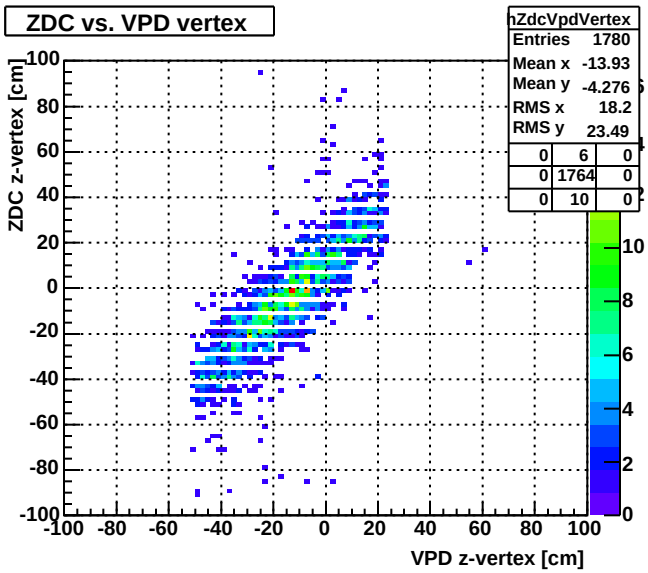

Tower Id2 1601-3200
hTowerId2b
Entries 552
Mean 2459
RMS 469.7
Underflow 0
Overflow 0
softId

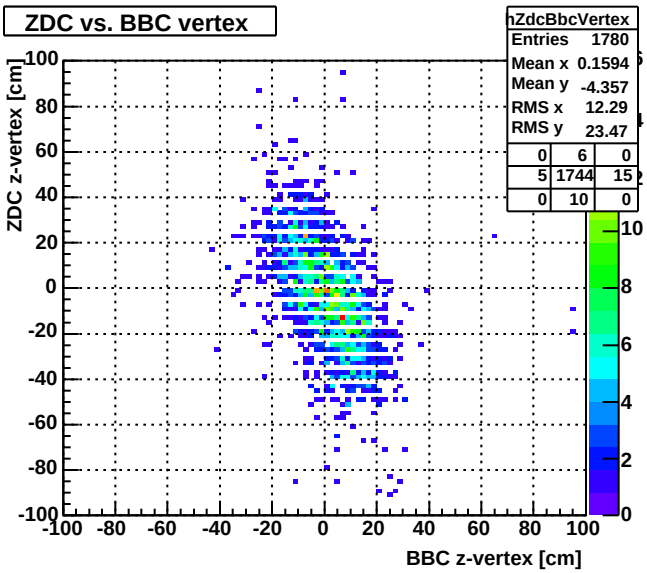

Tower Id1 3201-4800
hTowerId1c
Entries 567
Mean 4104
RMS 473.8
Underflow 0
Overflow 0
softId

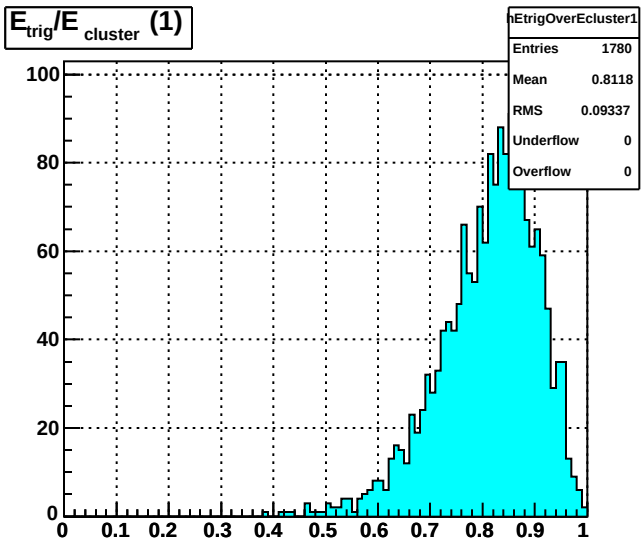

Tower Id2 3201-4800
hTowerId2c
Entries 605
Mean 3997
RMS 468
Underflow 0
Overflow 0
softId

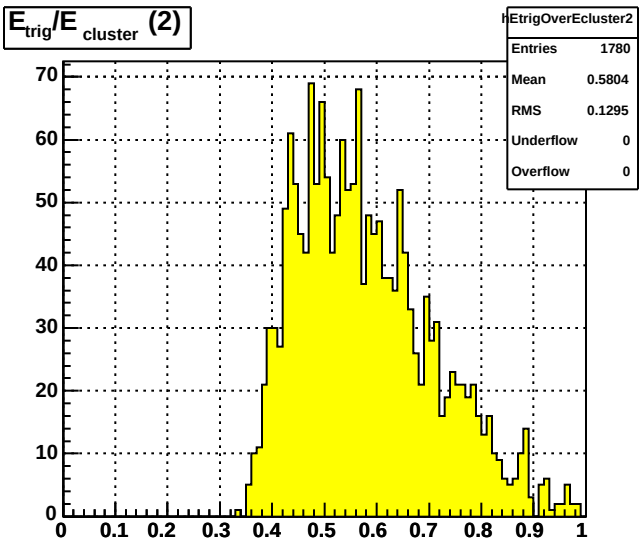

VPD vertex
hVpdVertex
Entries 1780
Mean -13.91
RMS 18.57
Underflow 0
Overflow 0
χ² / ndf 159.3 / 43
Constant 70.91 ± 2.08
Mean -13.53 ± 0.52
Sigma 18.94 ± 0.36
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 1780
Mean 0.167
RMS 12.27
Underflow 5
Overflow 15
χ² / ndf 45.74 / 39
Constant 118.2 ± 3.5
Mean 1.114 ± 0.284
Sigma 11.59 ± 0.20
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 1780
Mean x -13.93
Mean y -4.276
RMS x 18.2
RMS y 23.49
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 1780
Mean x 0.1594
Mean y -4.357
RMS x 12.29
RMS y 23.47
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 1780
Mean 0.8118
RMS 0.09337
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 1780
Mean 0.5804
RMS 0.1295
Underflow 0
Overflow 0