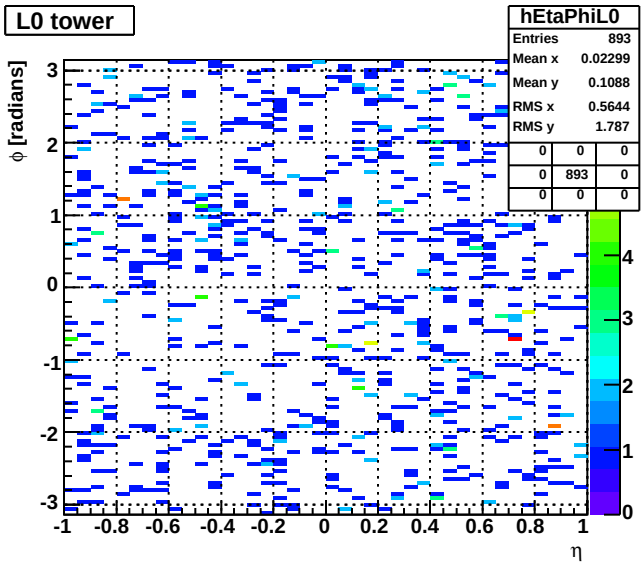
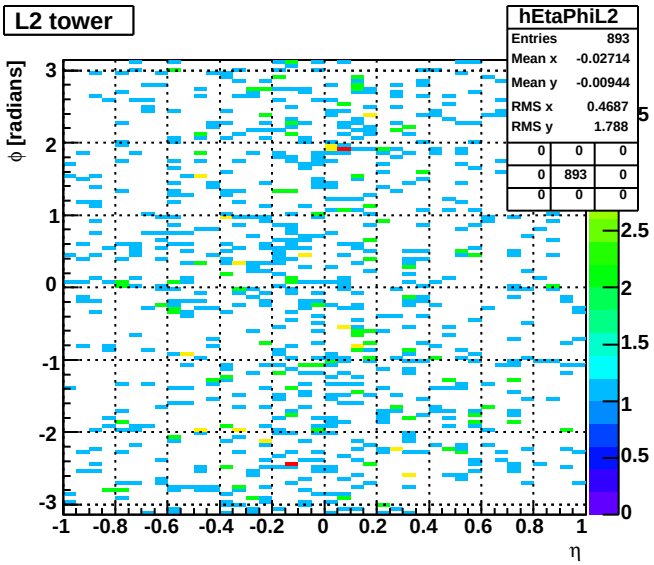
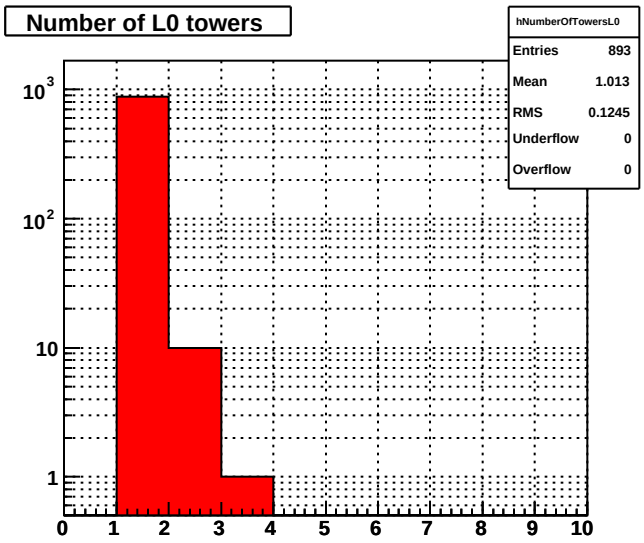
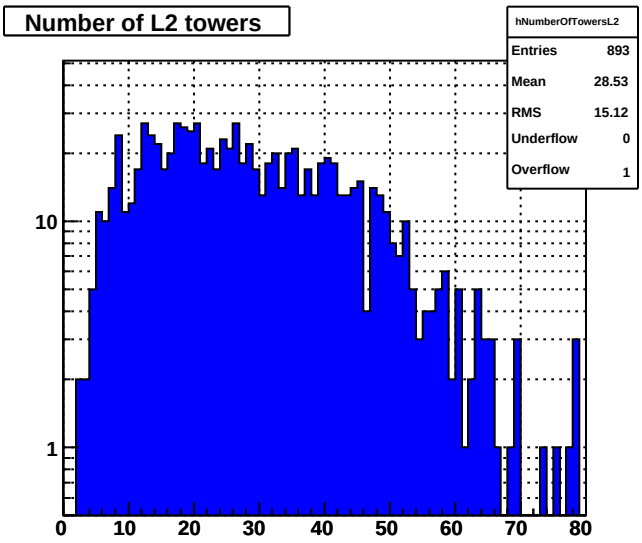
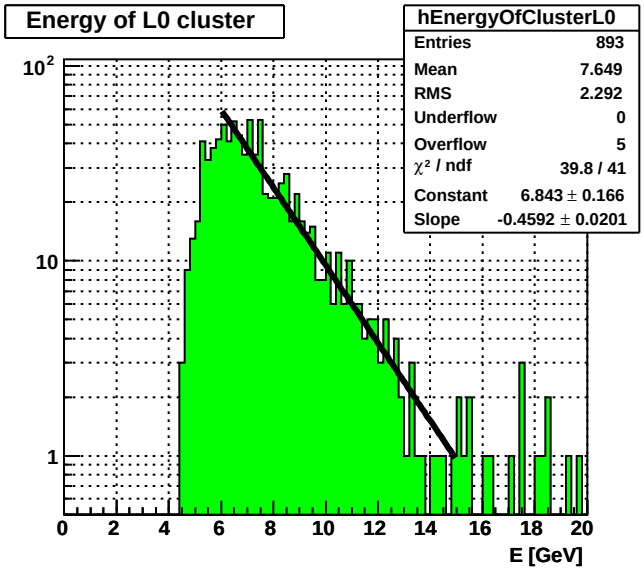
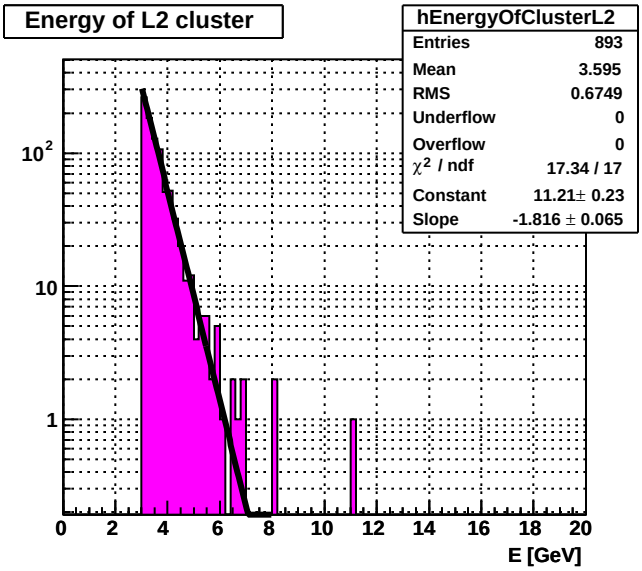

L0 tower
hEtaPhiL0
Entries 893
Mean x 0.02299
Mean y 0.1088
RMS x 0.5644
RMS y 1.787
φ [radians]
η

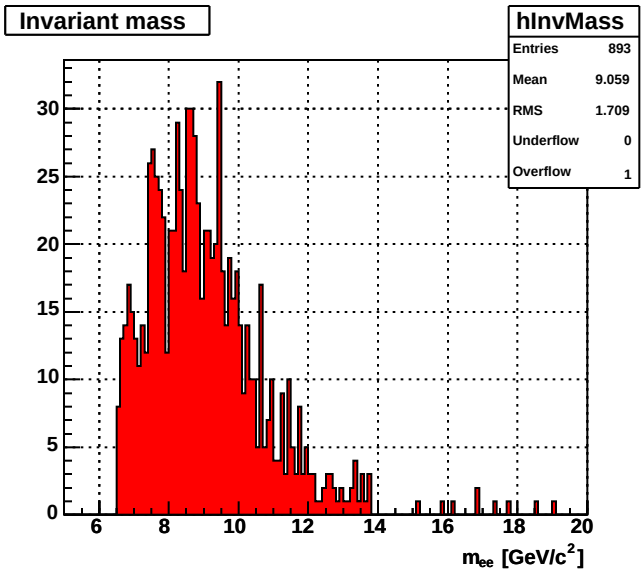

L2 tower
hEtaPhiL2
Entries 893
Mean x -0.02714
Mean y -0.00944
RMS x 0.4687
RMS y 1.788
φ [radians]
η

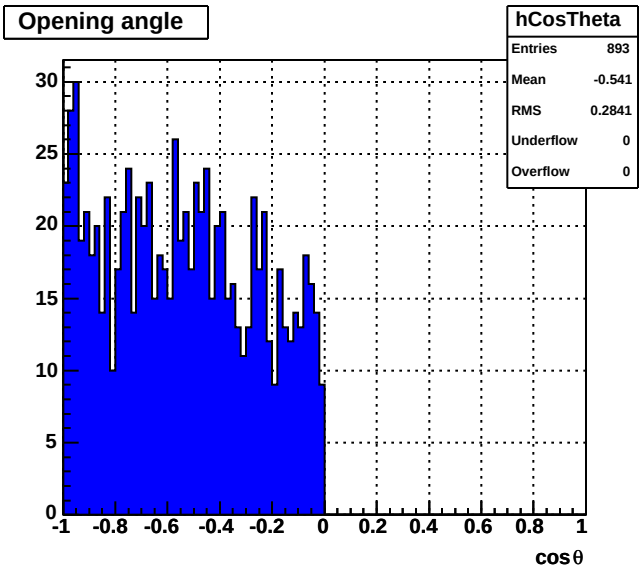

Number of L0 towers
hNumberOfTowersL0
Entries 893
Mean 1.013
RMS 0.1245
Underflow 0
Overflow 0

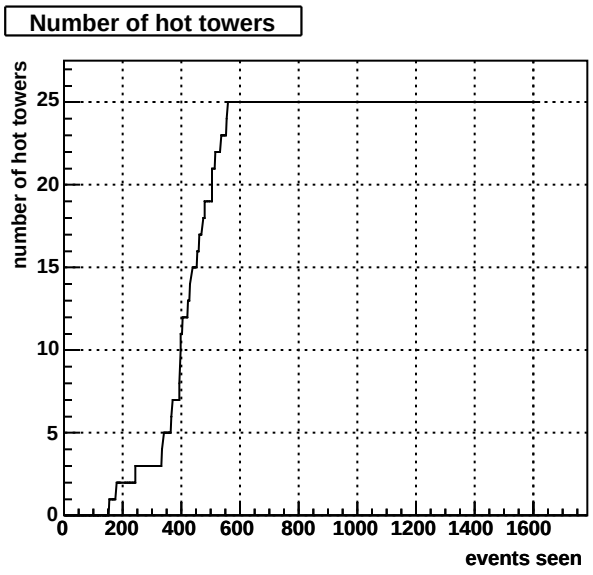

Number of L2 towers
hNumberOfTowersL2
Entries 893
Mean 28.53
RMS 15.12
Underflow 0
Overflow 1

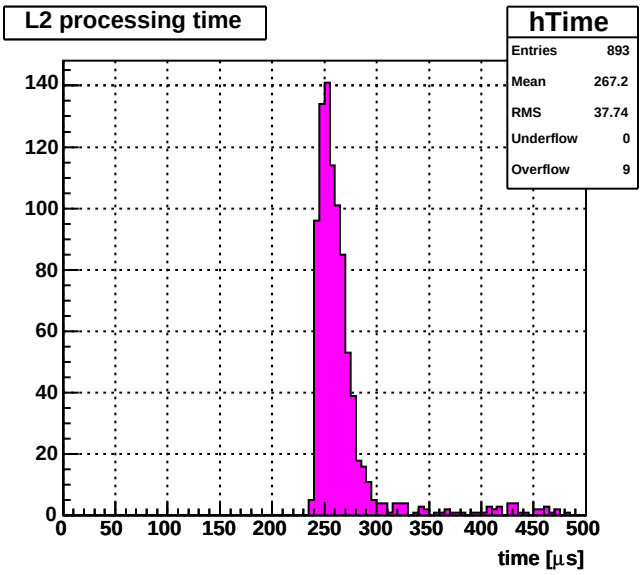

Energy of L0 cluster
hEnergyOfClusterL0
Entries 893
Mean 7.649
RMS 2.292
Underflow 0
Overflow 5
χ² / ndf 39.8 / 41
Constant 6.843 ± 0.166
Slope -0.4592 ± 0.0201
E [GeV]

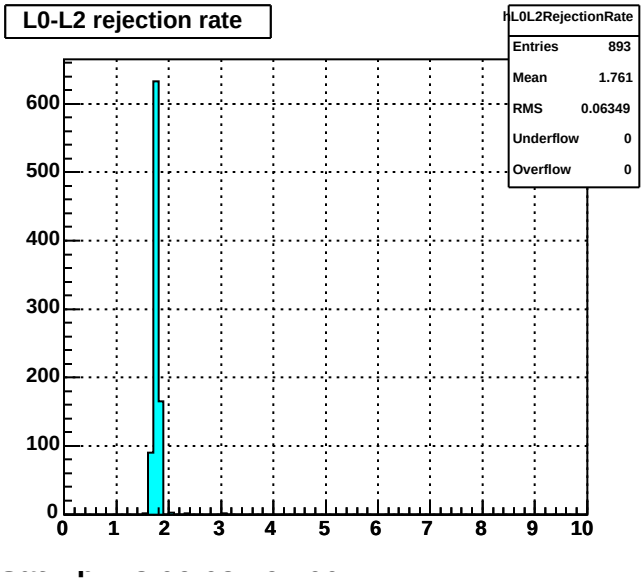

Energy of L2 cluster
hEnergyOfClusterL2
Entries 893
Mean 3.595
RMS 0.6749
Underflow 0
Overflow 0
χ² / ndf 17.34 / 17
Constant 11.21± 0.23
Slope -1.816 ± 0.065
E [GeV]

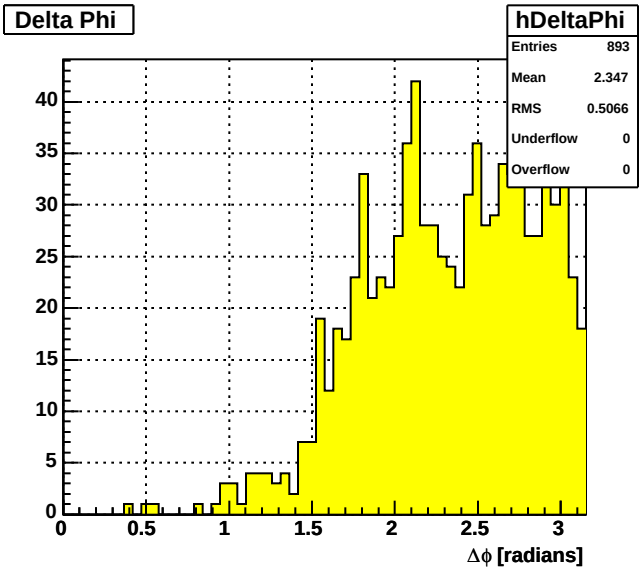

Invariant mass
hInvMass
Entries 893
Mean 9.059
RMS 1.709
Underflow 0
Overflow 1
m_{ee} [GeV/c^2]

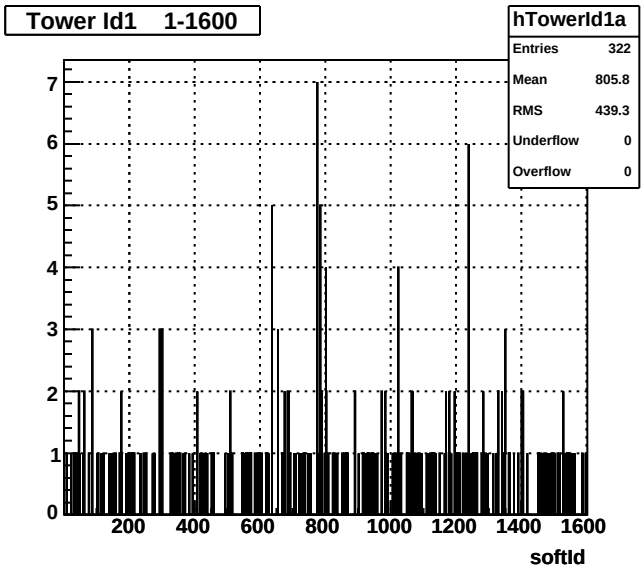

Opening angle
hCosTheta
Entries 893
Mean -0.541
RMS 0.2841
Underflow 0
Overflow 0
cos θ

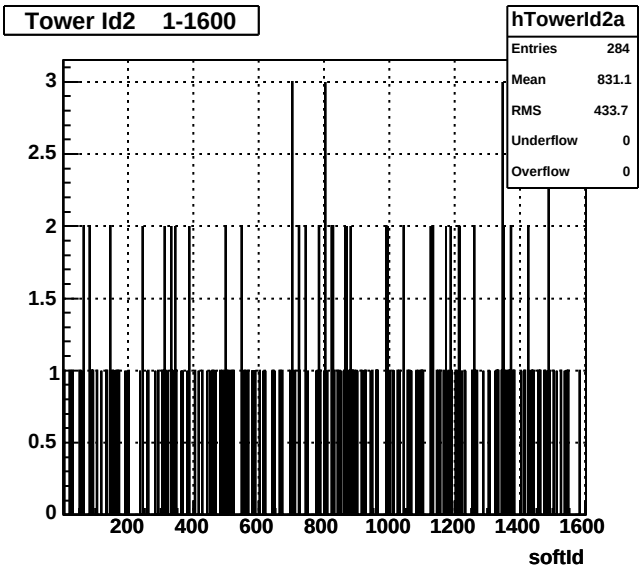

Number of hot towers
number of hot towers
events seen

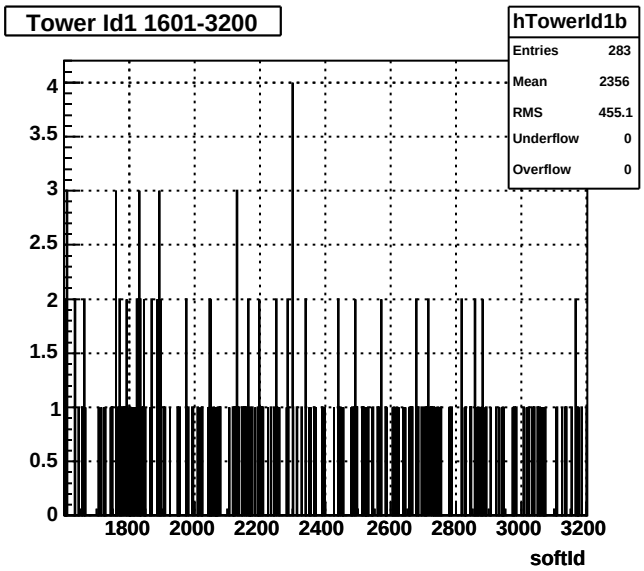

L2 processing time
hTime
Entries 893
Mean 267.2
RMS 37.74
Underflow 0
Overflow 9
time [μs]

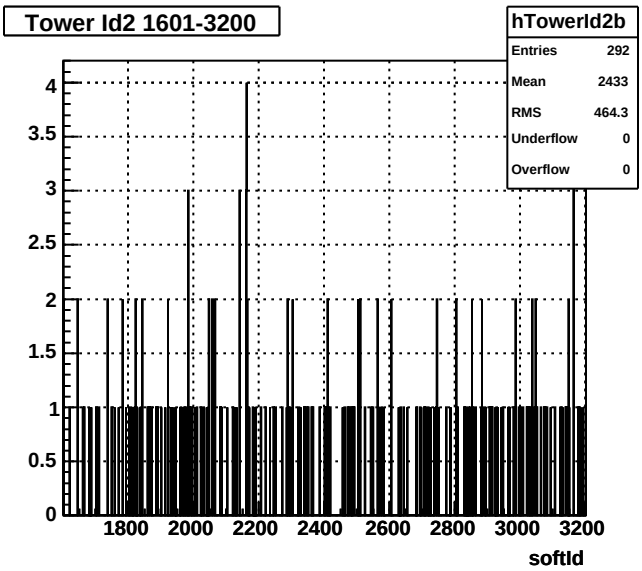

L0-L2 rejection rate
hL0L2RejectionRate
Entries 893
Mean 1.761
RMS 0.06349
Underflow 0
Overflow 0

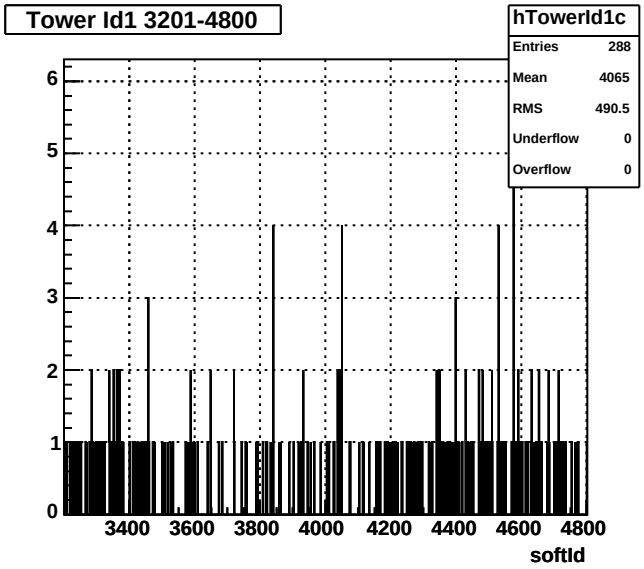

Delta Phi
hDeltaPhi
Entries 893
Mean 2.347
RMS 0.5066
Underflow 0
Overflow 0
Δφ [radians]

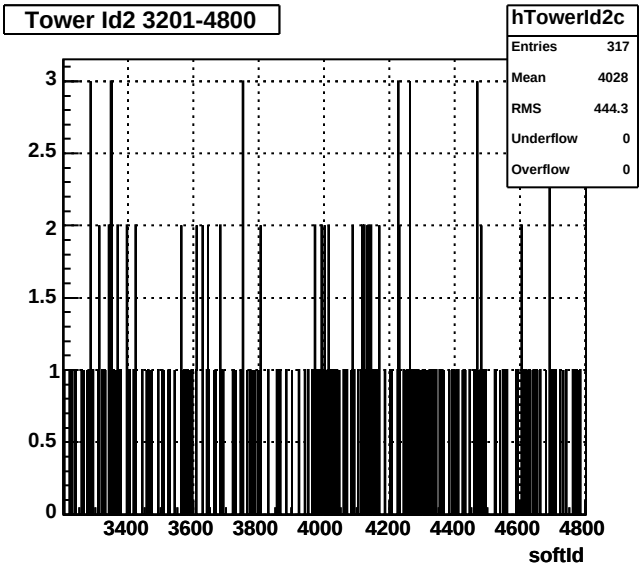

Tower Id1 1-1600
hTowerId1a
Entries 322
Mean 805.8
RMS 439.3
Underflow 0
Overflow 0
softId

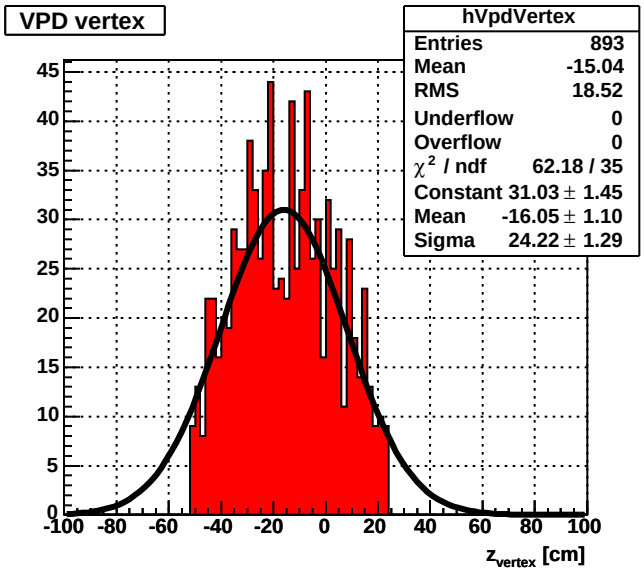

Tower Id2 1-1600
hTowerId2a
Entries 284
Mean 831.1
RMS 433.7
Underflow 0
Overflow 0
softId

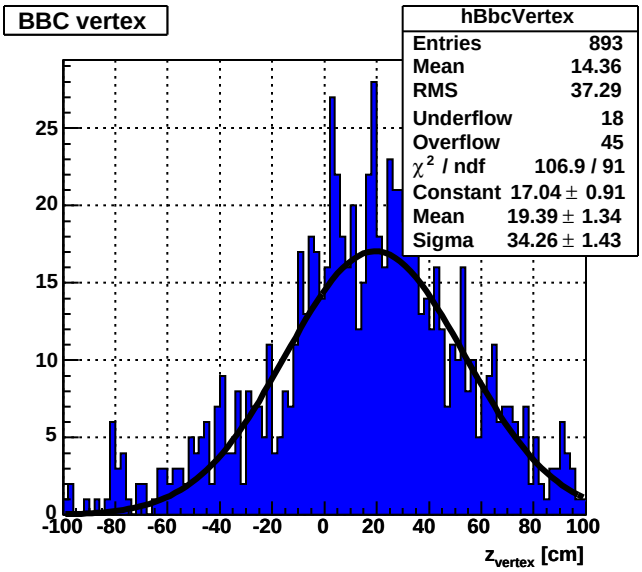

Tower Id1 1601-3200
hTowerId1b
Entries 283
Mean 2356
RMS 455.1
Underflow 0
Overflow 0
softId

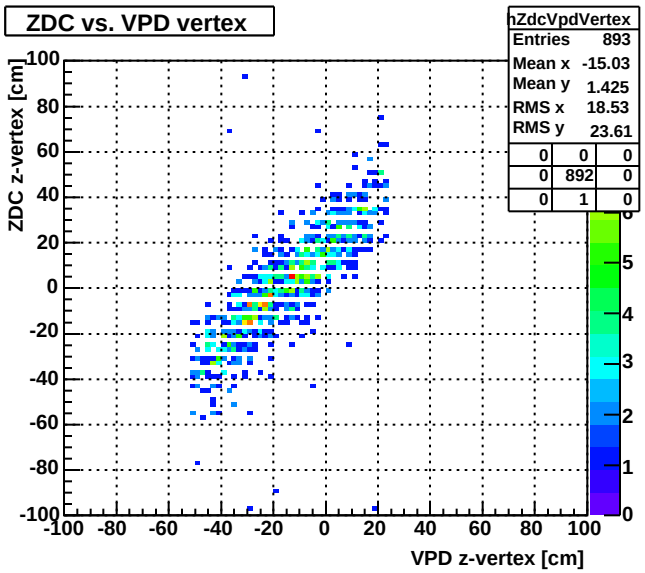

Tower Id2 1601-3200
hTowerId2b
Entries 292
Mean 2433
RMS 464.3
Underflow 0
Overflow 0
softId

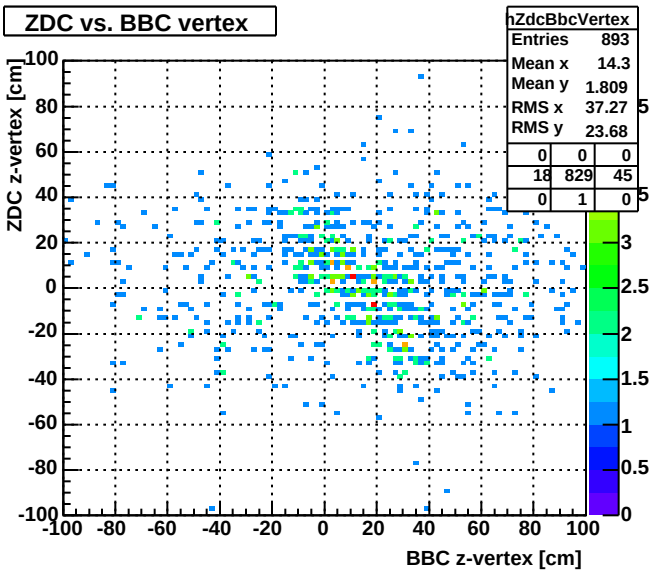

Tower Id1 3201-4800
hTowerId1c
Entries 288
Mean 4065
RMS 490.5
Underflow 0
Overflow 0
softId

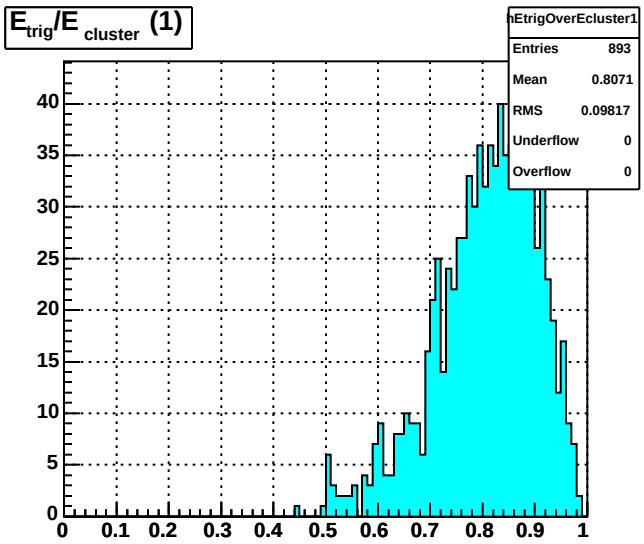

Tower Id2 3201-4800
hTowerId2c
Entries 317
Mean 4028
RMS 444.3
Underflow 0
Overflow 0
softId

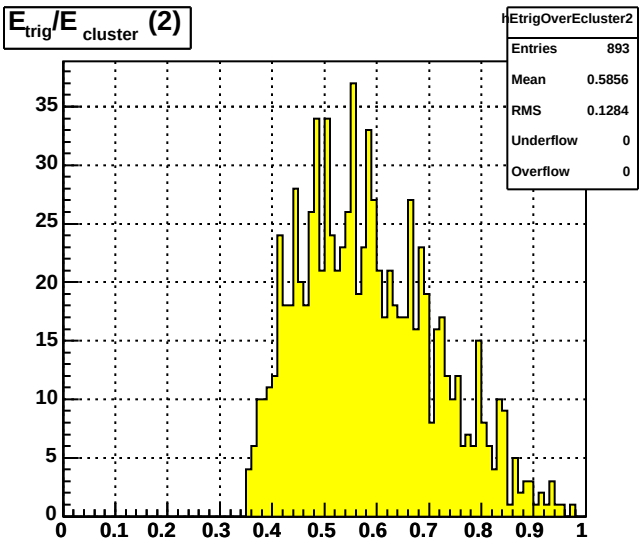

VPD vertex
hVpdVertex
Entries 893
Mean -15.04
RMS 18.52
Underflow 0
Overflow 0
χ² / ndf 62.18 / 35
Constant 31.03 ± 1.45
Mean -16.05 ± 1.10
Sigma 24.22 ± 1.29
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 893
Mean 14.36
RMS 37.29
Underflow 18
Overflow 45
χ² / ndf 106.9 / 91
Constant 17.04 ± 0.91
Mean 19.39 ± 1.34
Sigma 34.26 ± 1.43
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 893
Mean x -15.03
Mean y 1.425
RMS x 18.53
RMS y 23.61
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 893
Mean x 14.3
Mean y 1.809
RMS x 37.27
RMS y 23.68
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 893
Mean 0.8071
RMS 0.09817
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 893
Mean 0.5856
RMS 0.1284
Underflow 0
Overflow 0