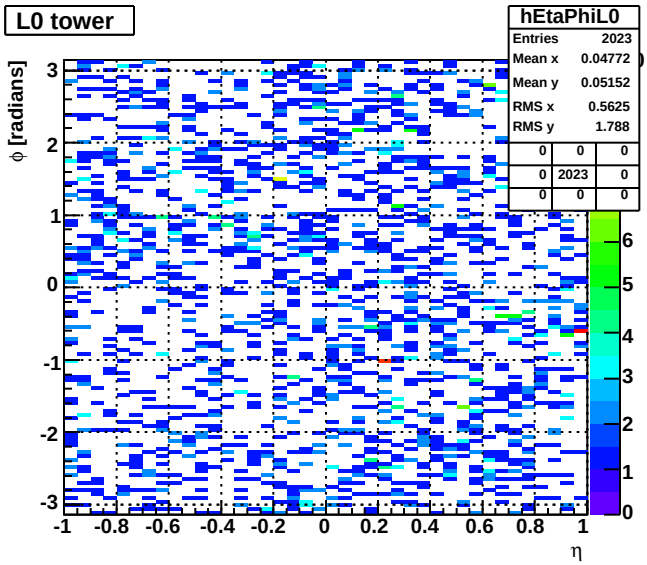
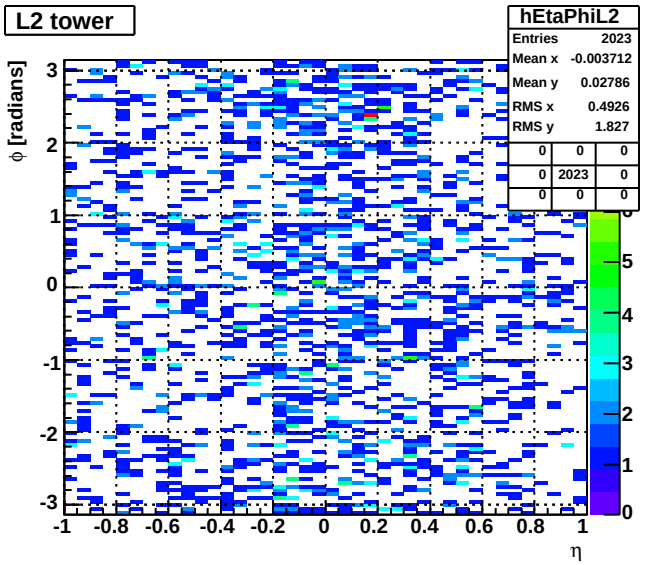
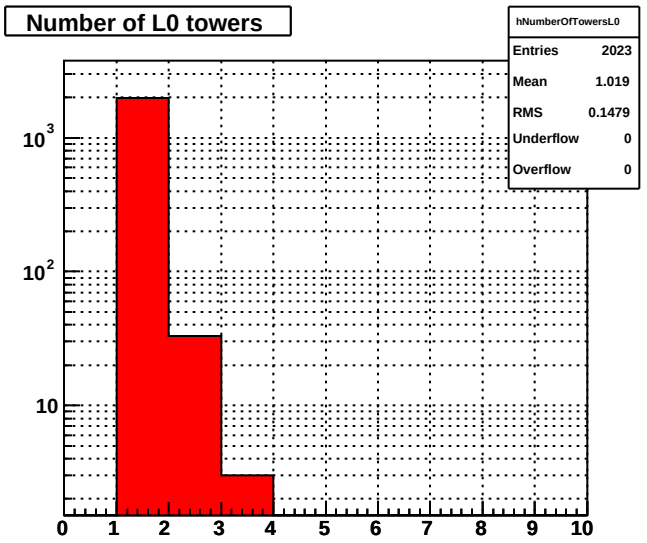
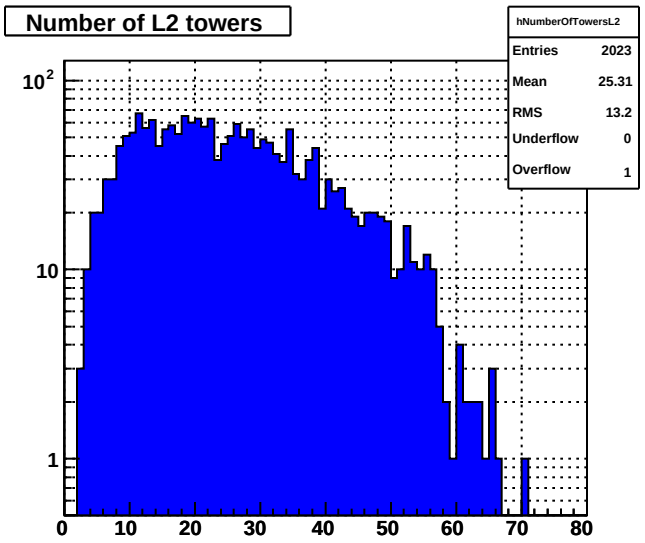
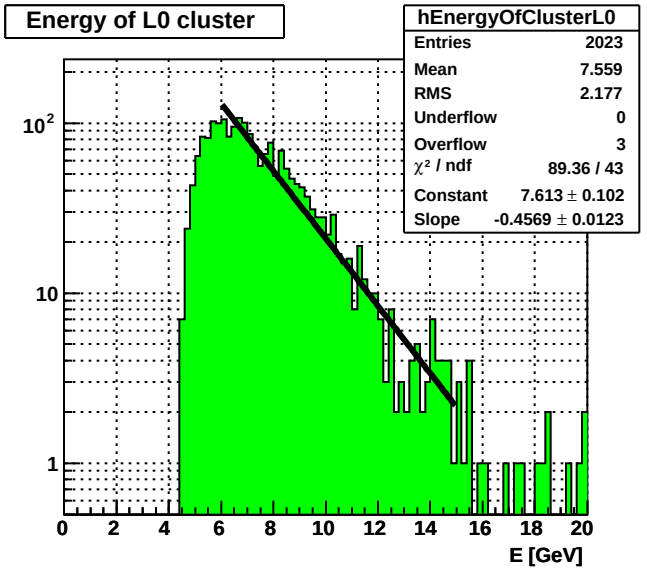
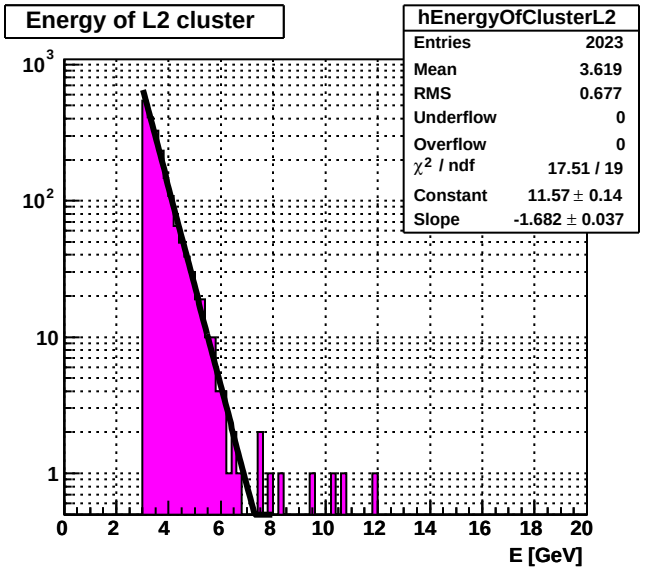

L0 tower
hEtaPhiL0
Entries 2023
Mean x 0.04772
Mean y 0.05152
RMS x 0.5625
RMS y 1.788
φ [radians]
η

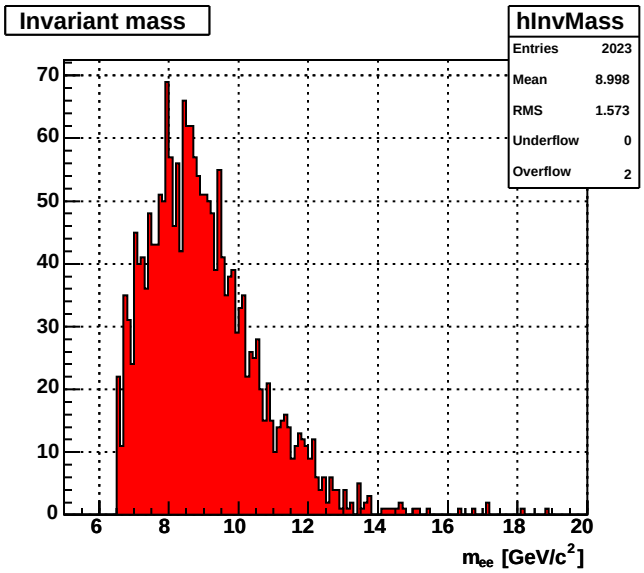

L2 tower
hEtaPhiL2
Entries 2023
Mean x -0.003712
Mean y 0.02786
RMS x 0.4926
RMS y 1.827
φ [radians]
η

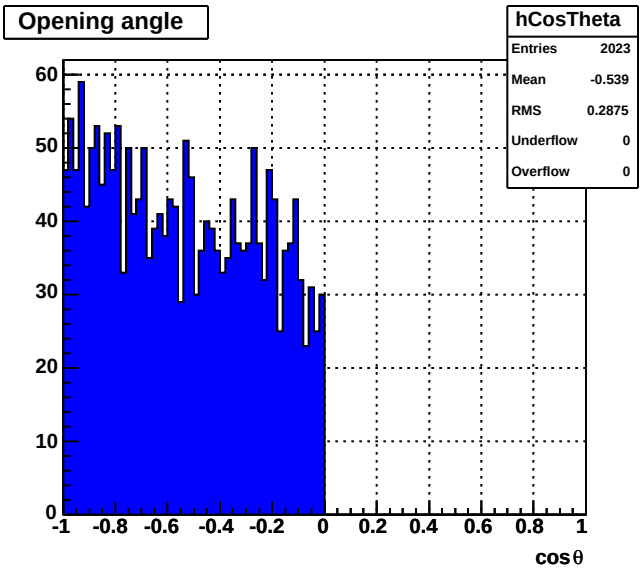

Number of L0 towers
hNumberOfTowersL0
Entries 2023
Mean 1.019
RMS 0.1479
Underflow 0
Overflow 0

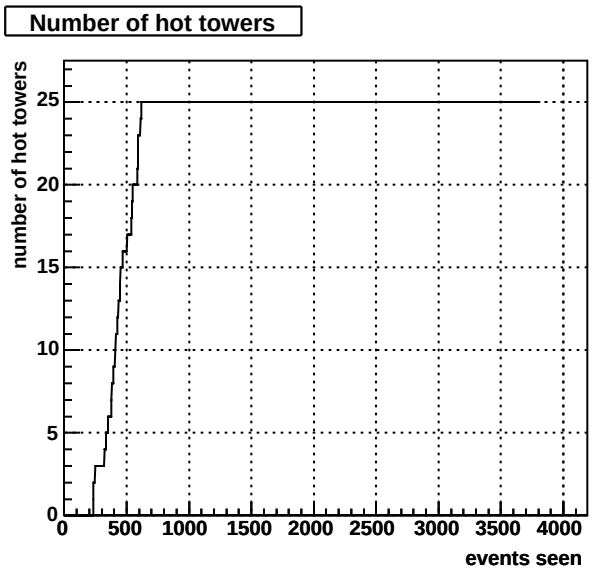

Number of L2 towers
hNumberOfTowersL2
Entries 2023
Mean 25.31
RMS 13.2
Underflow 0
Overflow 1

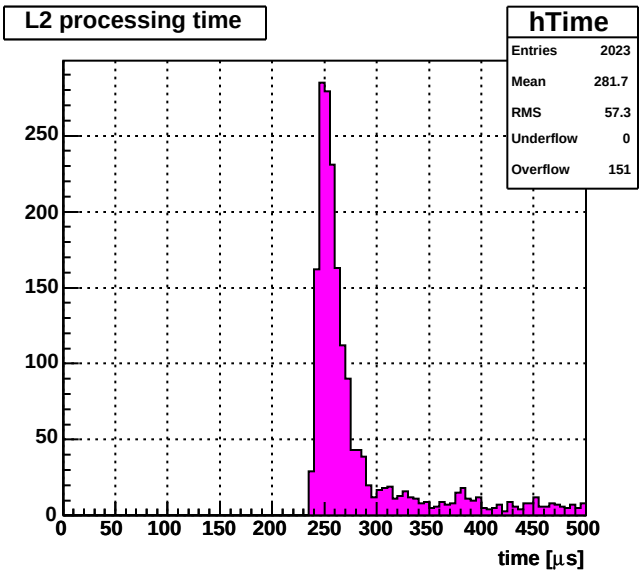

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2023
Mean 7.559
RMS 2.177
Underflow 0
Overflow 3
χ² / ndf 89.36 / 43
Constant 7.613 ± 0.102
Slope -0.4569 ± 0.0123
E [GeV]

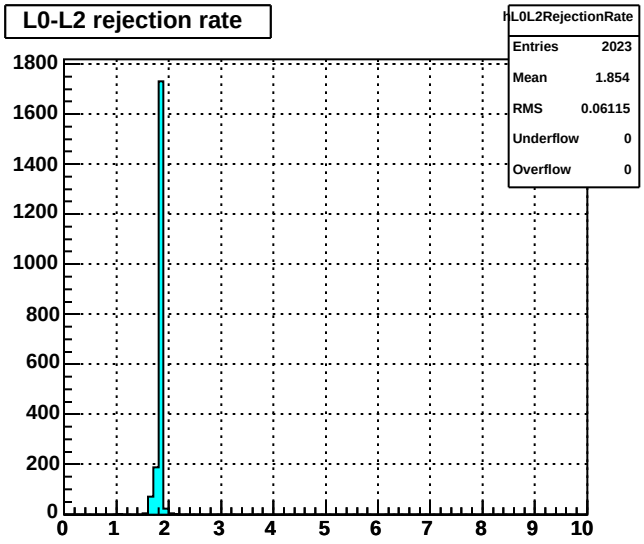

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2023
Mean 3.619
RMS 0.677
Underflow 0
Overflow 0
χ² / ndf 17.51 / 19
Constant 11.57 ± 0.14
Slope -1.682 ± 0.037
E [GeV]

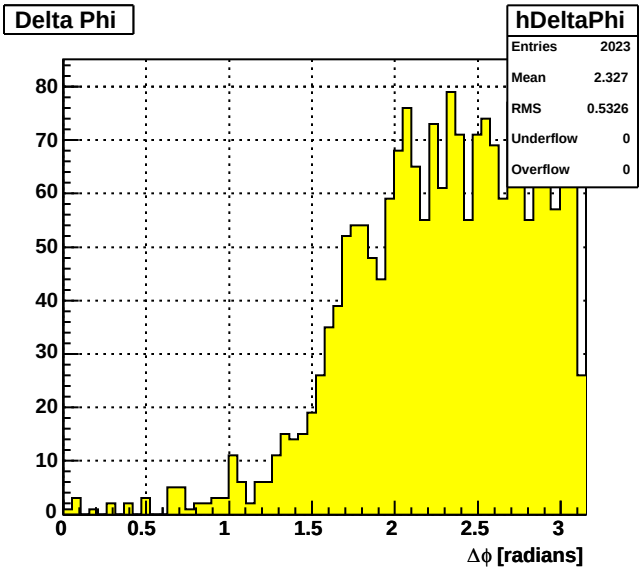

Invariant mass
hInvMass
Entries 2023
Mean 8.998
RMS 1.573
Underflow 0
Overflow 2
m_{ee} [GeV/c^2]

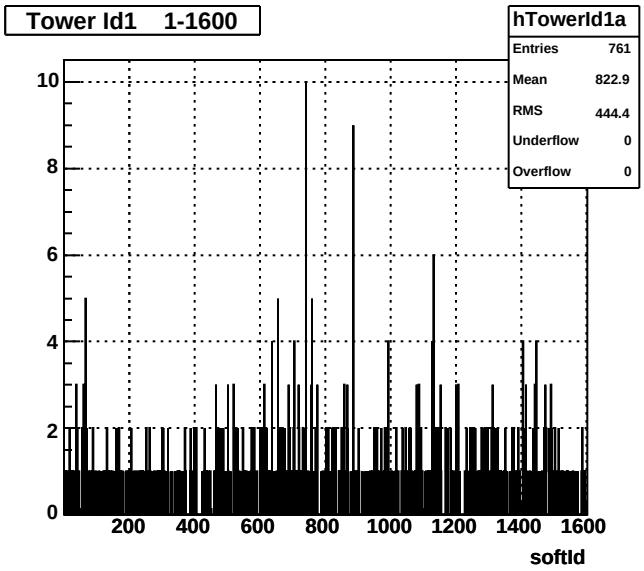

Opening angle
hCosTheta
Entries 2023
Mean -0.539
RMS 0.2875
Underflow 0
Overflow 0
cos θ

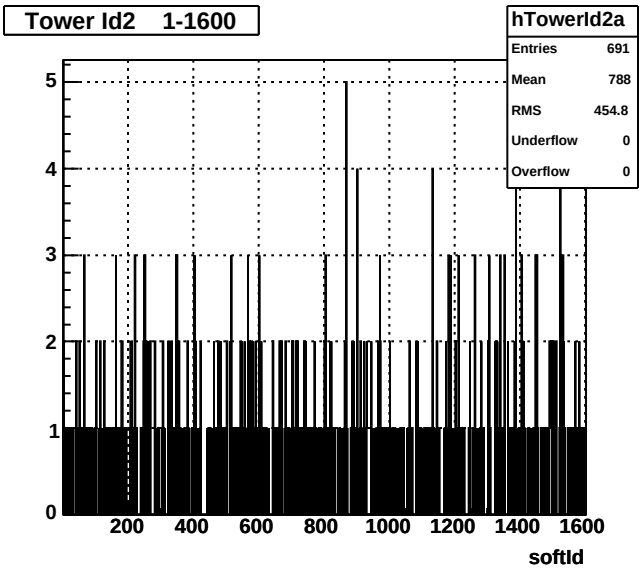

Number of hot towers
number of hot towers
events seen

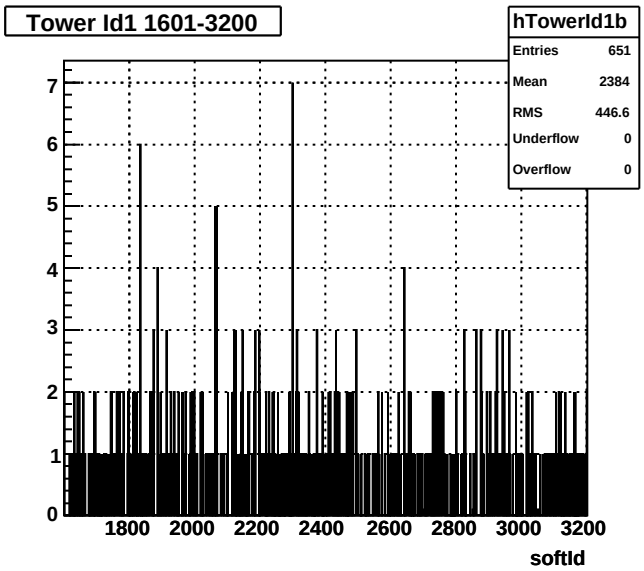

L2 processing time
hTime
Entries 2023
Mean 281.7
RMS 57.3
Underflow 0
Overflow 151
time [μs]

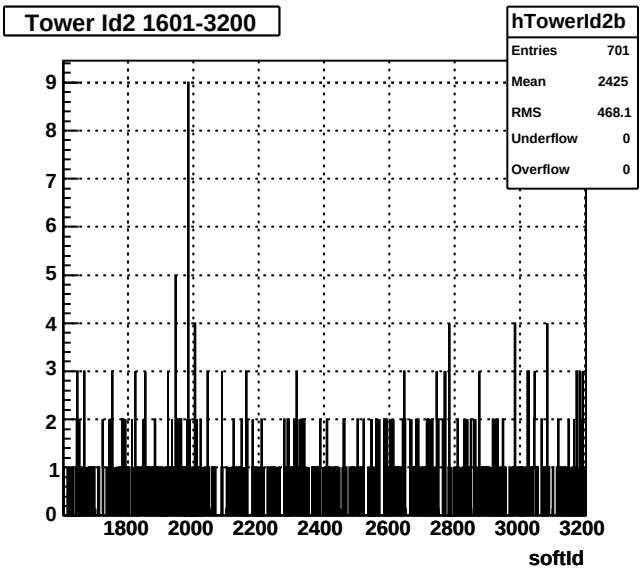

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2023
Mean 1.854
RMS 0.06115
Underflow 0
Overflow 0

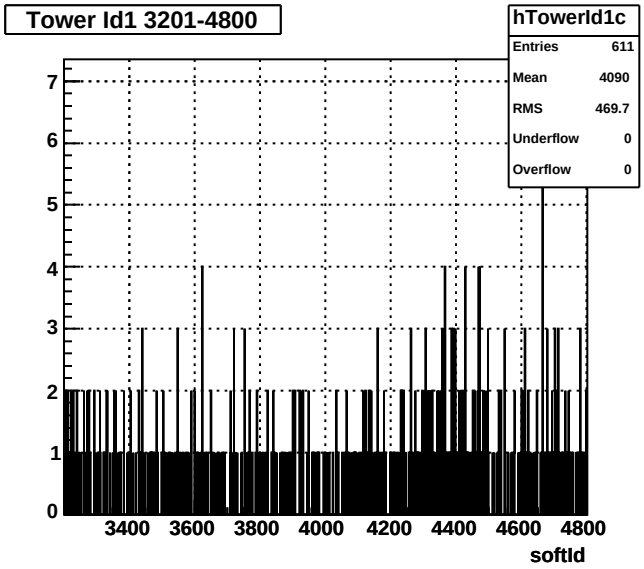

Delta Phi
hDeltaPhi
Entries 2023
Mean 2.327
RMS 0.5326
Underflow 0
Overflow 0
Δφ [radians]

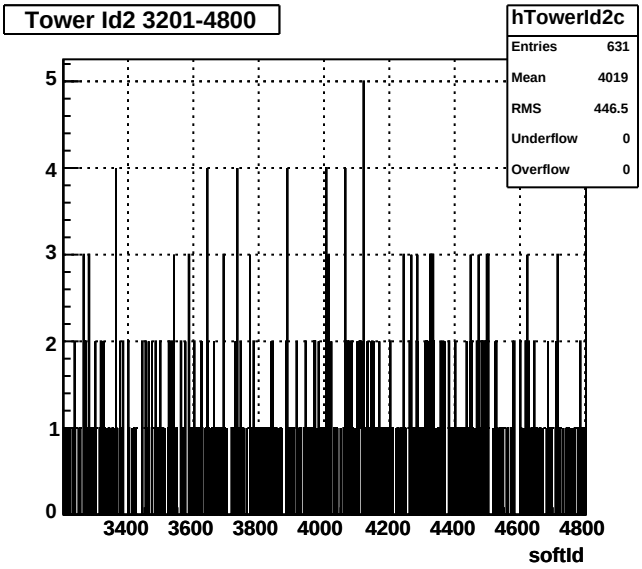

Tower Id1 1-1600
hTowerId1a
Entries 761
Mean 822.9
RMS 444.4
Underflow 0
Overflow 0
softId

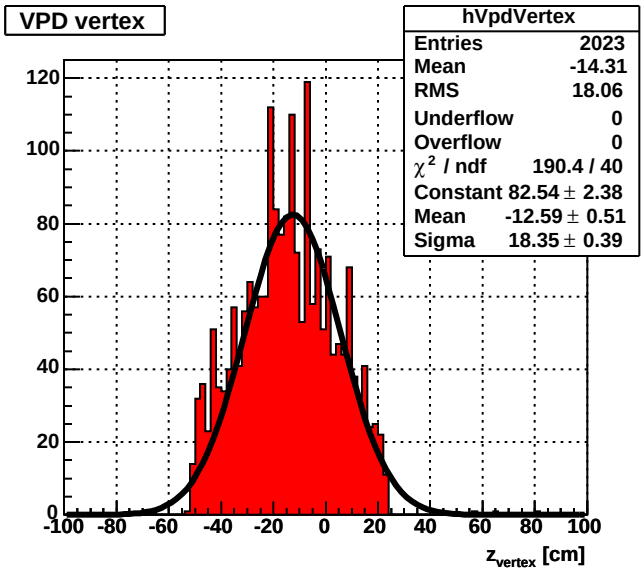

Tower Id2 1-1600
hTowerId2a
Entries 691
Mean 788
RMS 454.8
Underflow 0
Overflow 0
softId

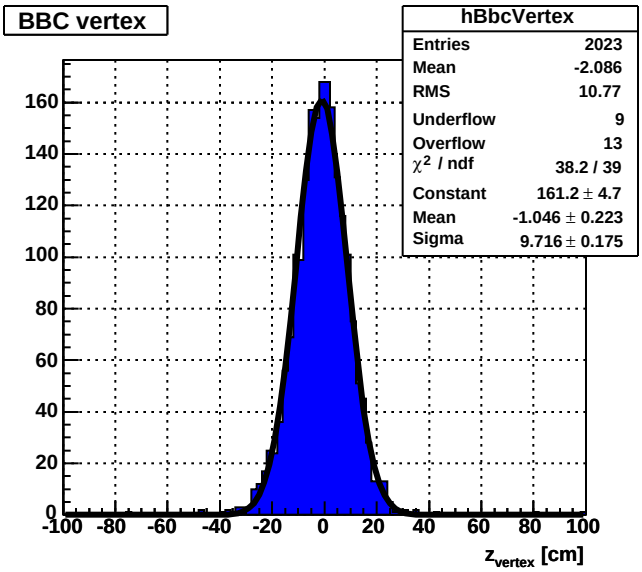

Tower Id1 1601-3200
hTowerId1b
Entries 651
Mean 2384
RMS 446.6
Underflow 0
Overflow 0
softId

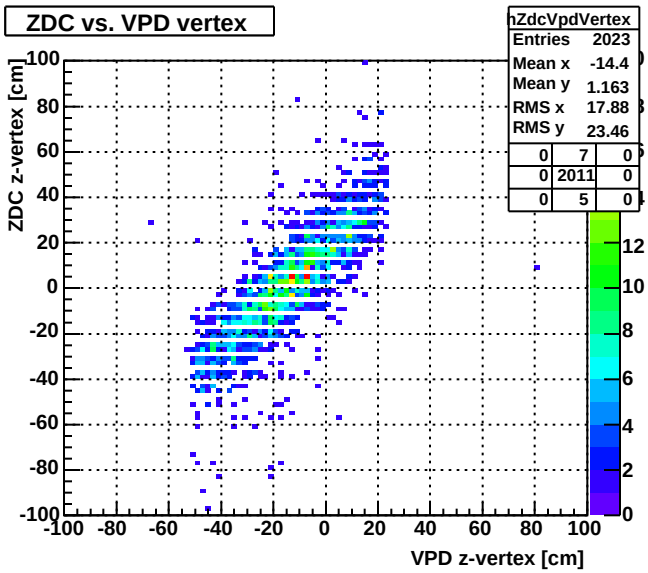

Tower Id2 1601-3200
hTowerId2b
Entries 701
Mean 2425
RMS 468.1
Underflow 0
Overflow 0
softId

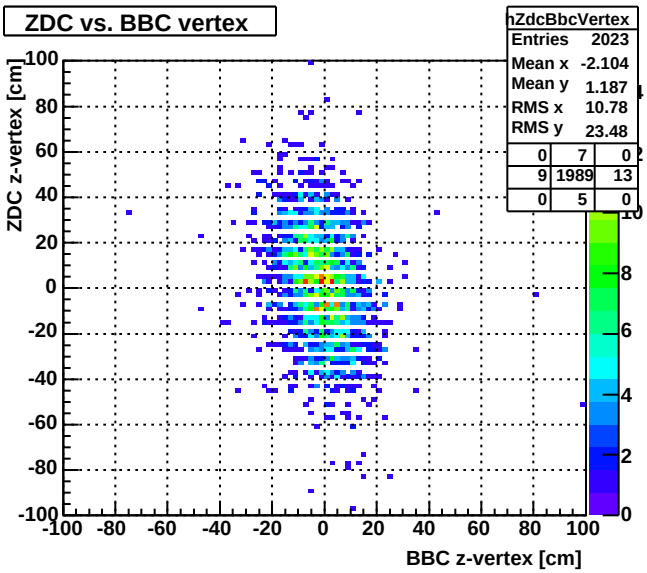

Tower Id1 3201-4800
hTowerId1c
Entries 611
Mean 4090
RMS 469.7
Underflow 0
Overflow 0
softId

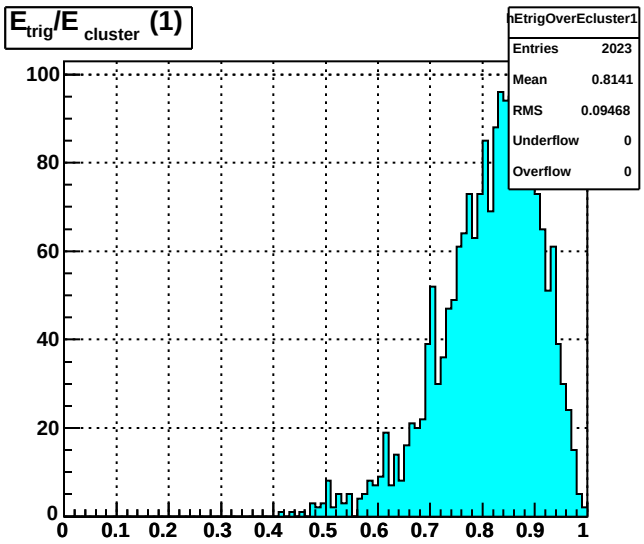

Tower Id2 3201-4800
hTowerId2c
Entries 631
Mean 4019
RMS 446.5
Underflow 0
Overflow 0
softId

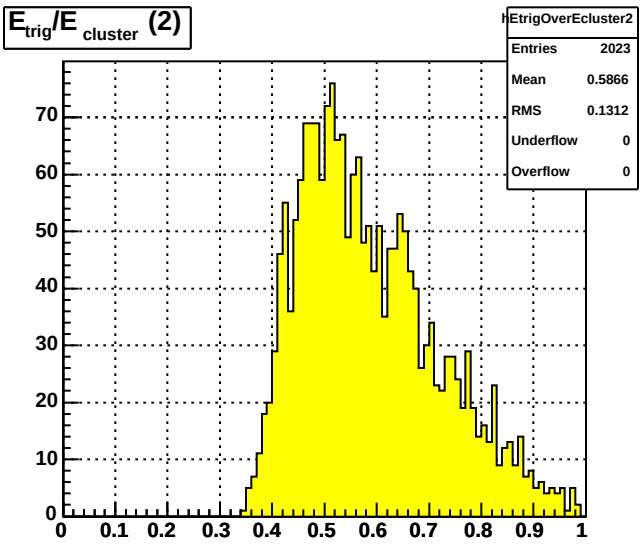

VPD vertex
hVpdVertex
Entries 2023
Mean -14.31
RMS 18.06
Underflow 0
Overflow 0
χ² / ndf 190.4 / 40
Constant 82.54 ± 2.38
Mean -12.59 ± 0.51
Sigma 18.35 ± 0.39
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2023
Mean -2.086
RMS 10.77
Underflow 9
Overflow 13
χ² / ndf 38.2 / 39
Constant 161.2 ± 4.7
Mean -1.046 ± 0.223
Sigma 9.716 ± 0.175
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2023
Mean x -14.4
Mean y 1.163
RMS x 17.88
RMS y 23.46
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2023
Mean x -2.104
Mean y 1.187
RMS x 10.78
RMS y 23.48
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2023
Mean 0.8141
RMS 0.09468
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2023
Mean 0.5866
RMS 0.1312
Underflow 0
Overflow 0