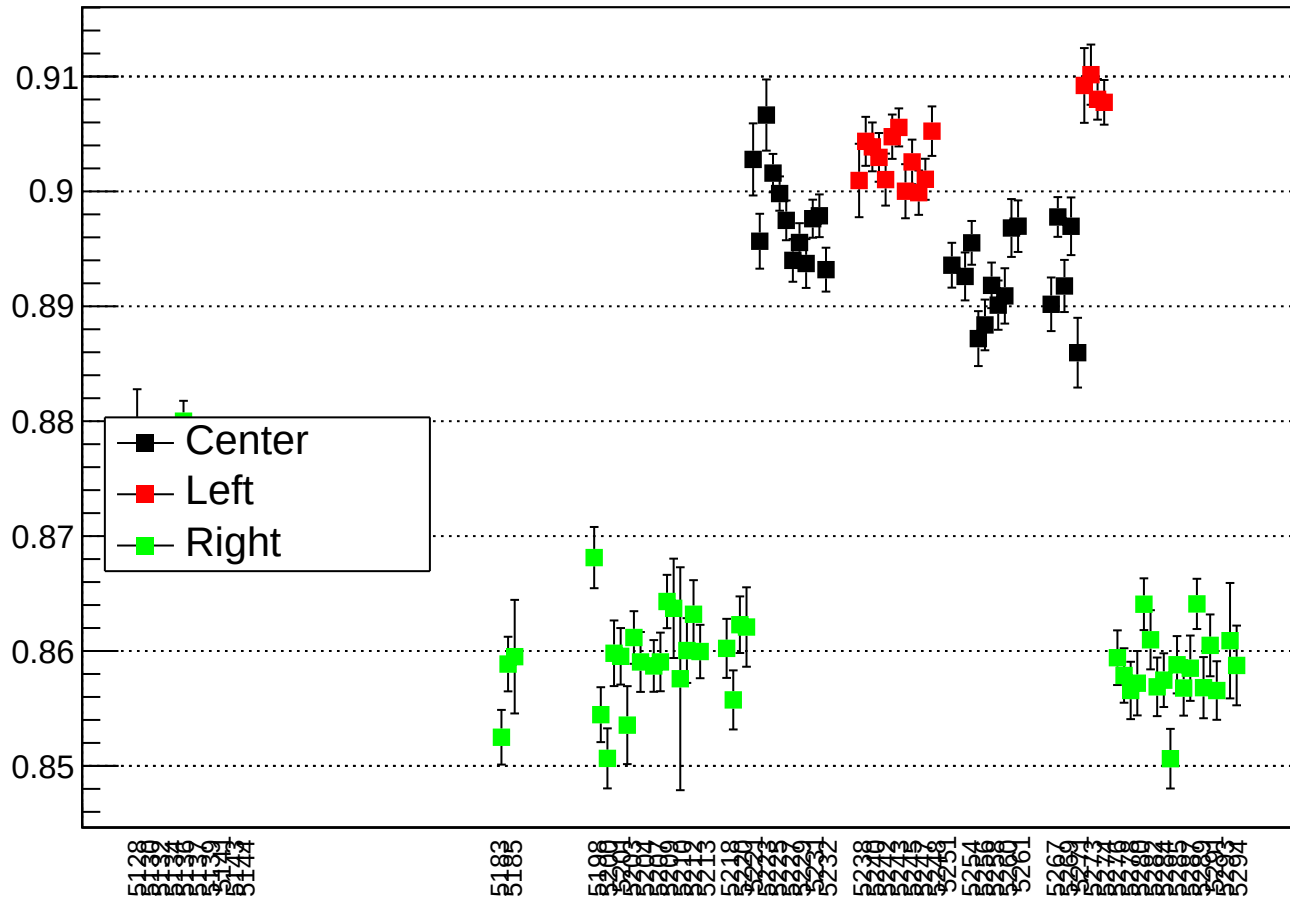
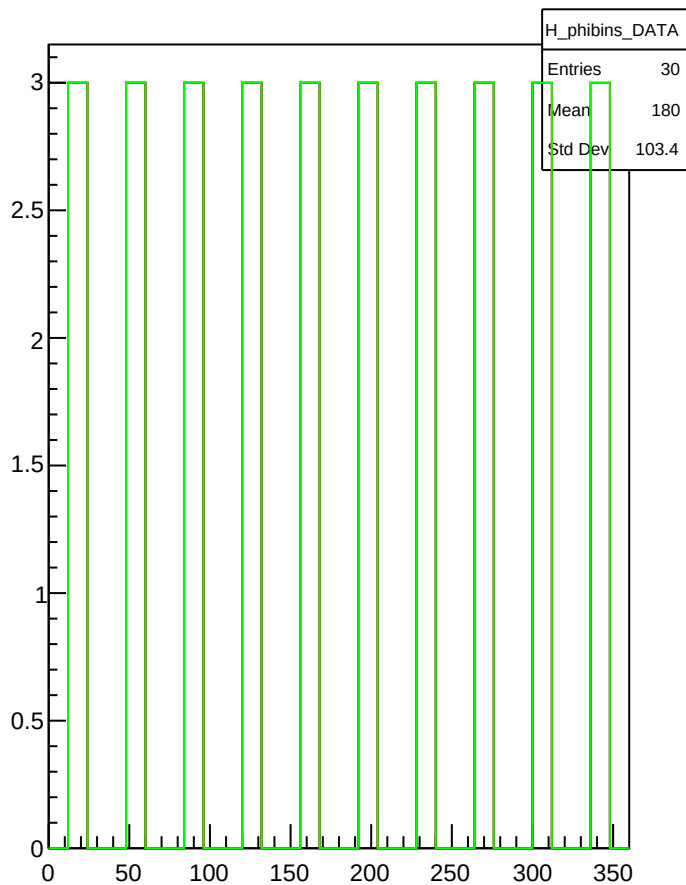


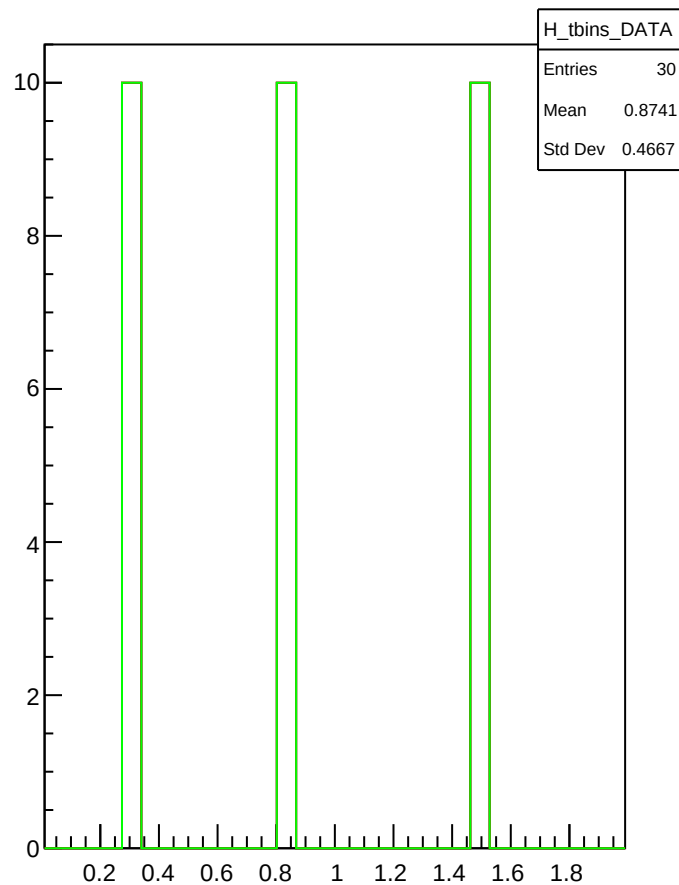
Total Efficiency



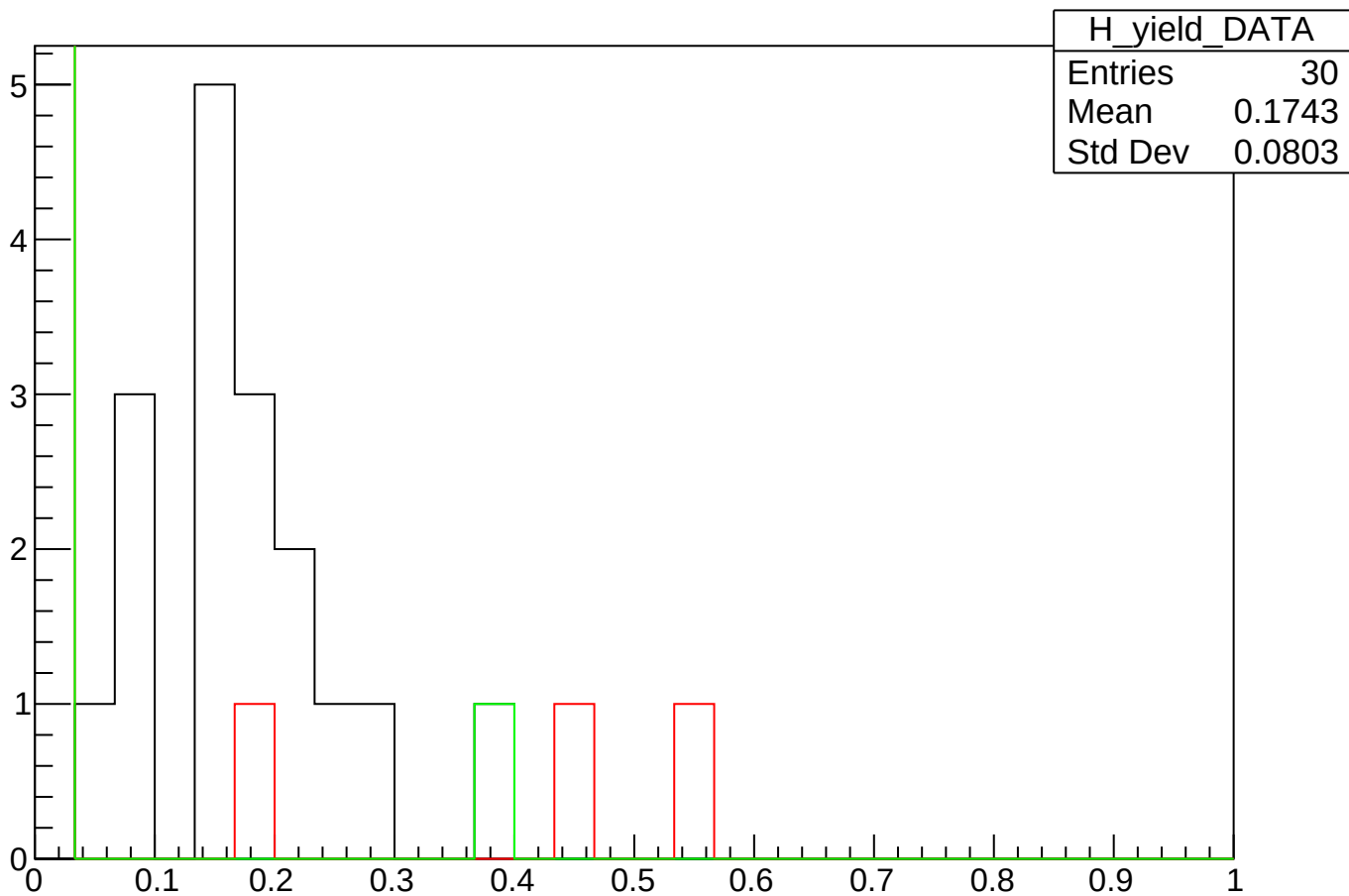
Phi Bins



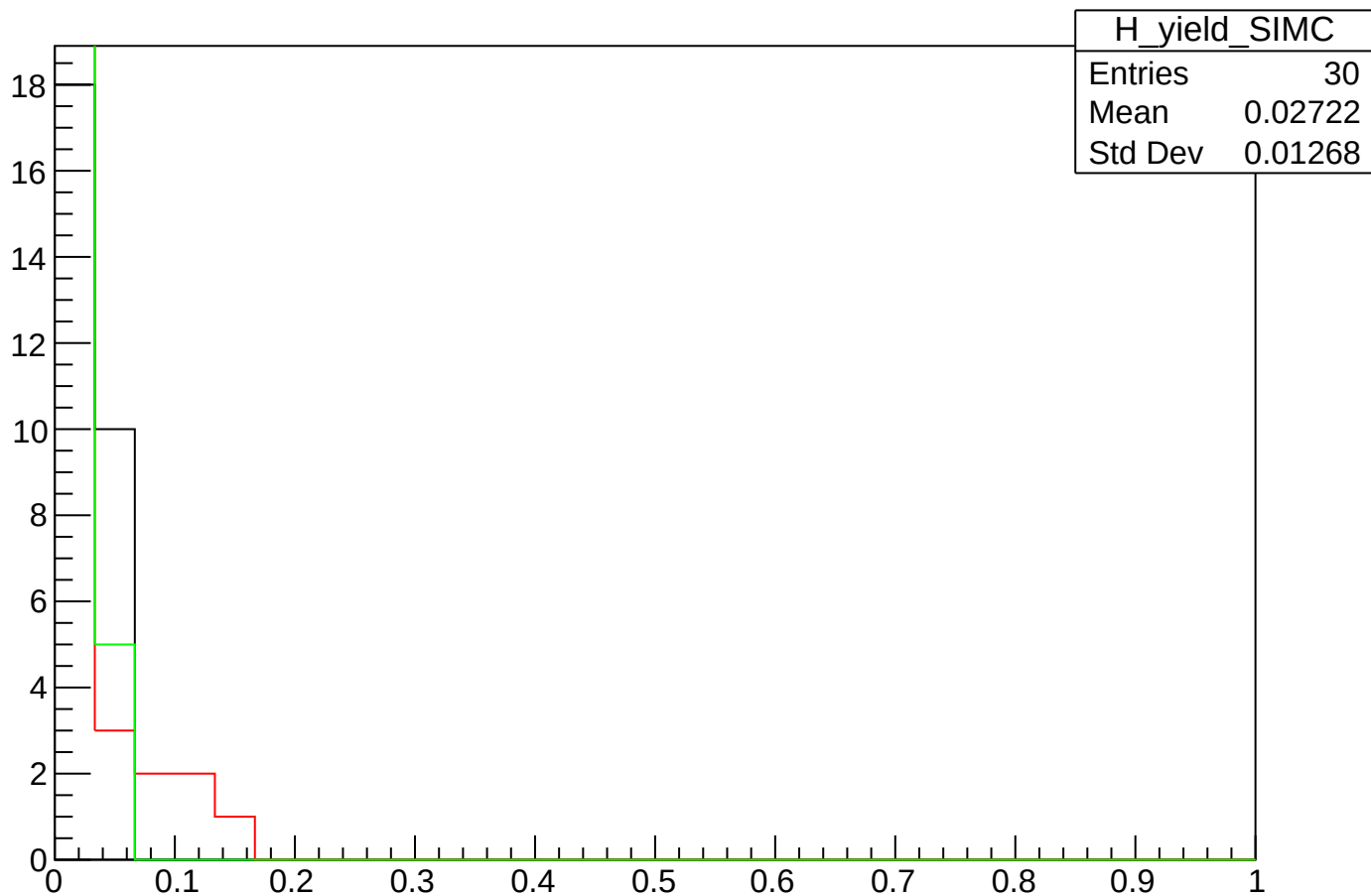
t Bins



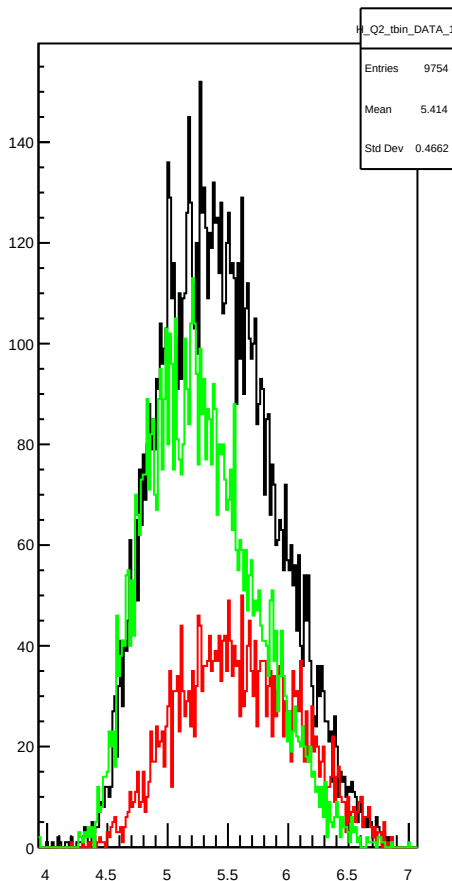
Data Yield



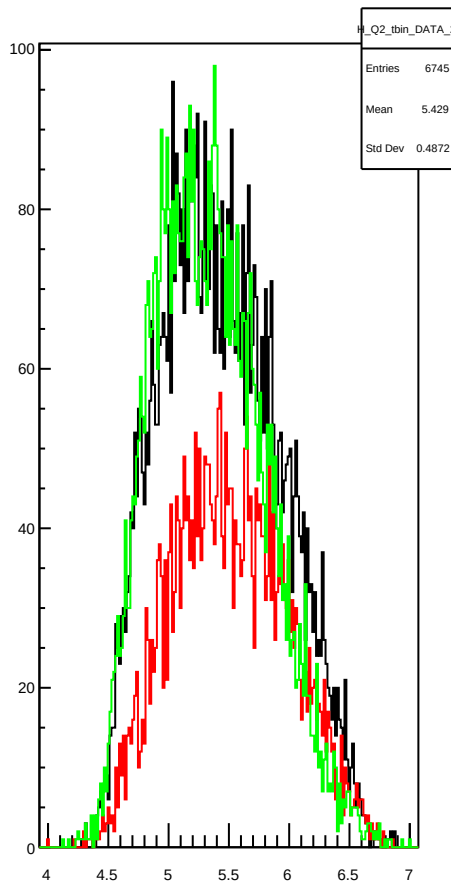
Simc Yield



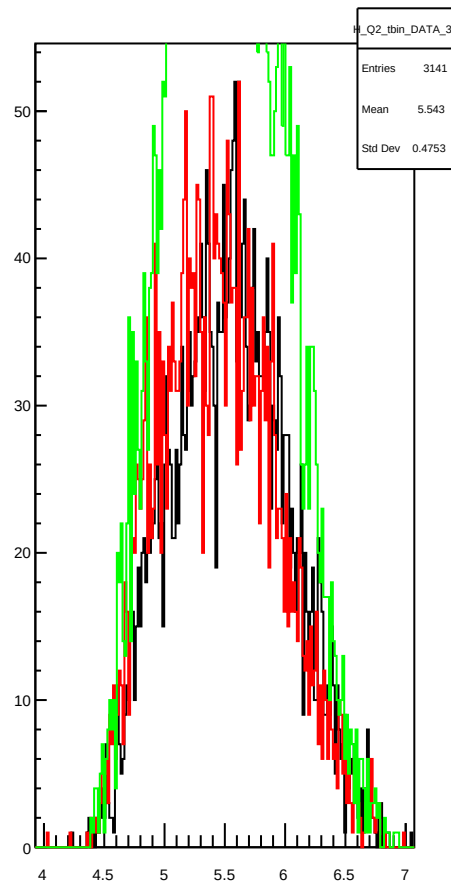
Q2 (t bin 1)



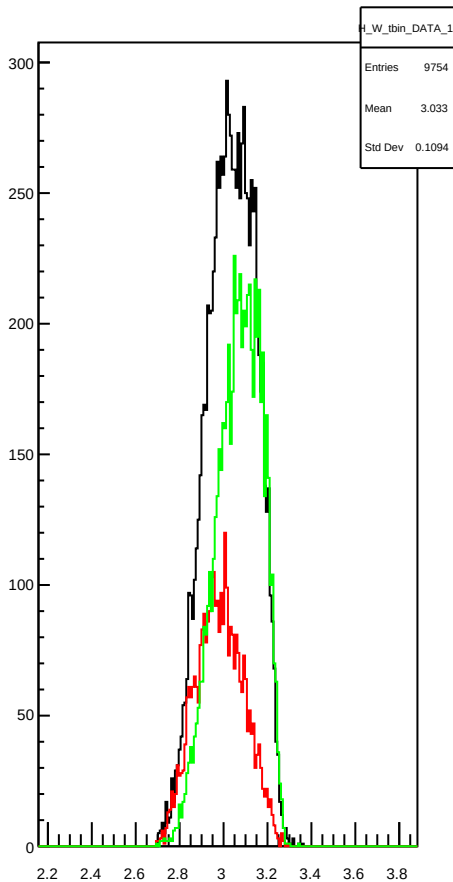
Q2 (t bin 2)



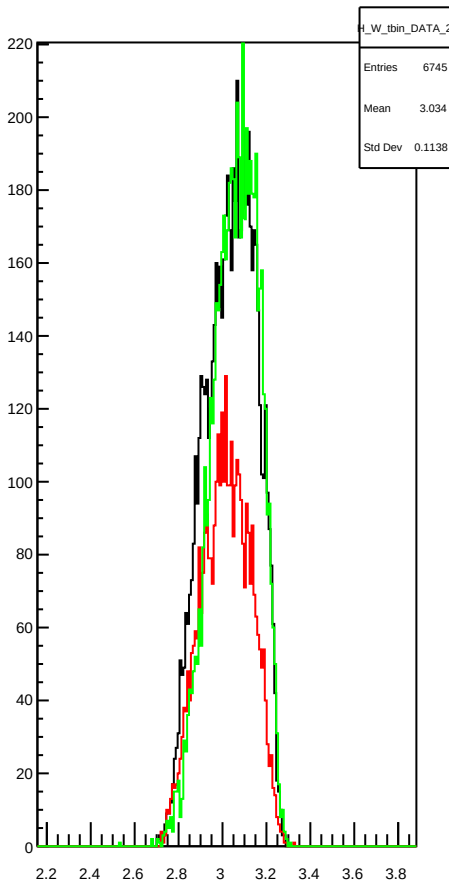
Q2 (t bin 3)



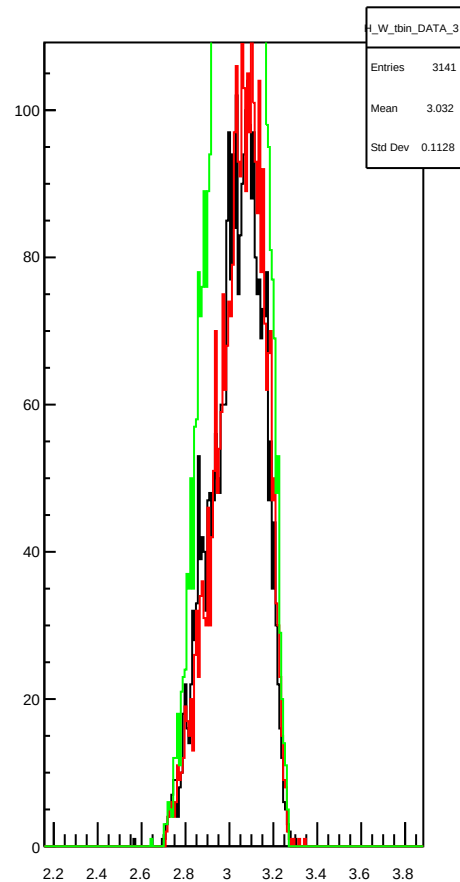
W (t bin 1)



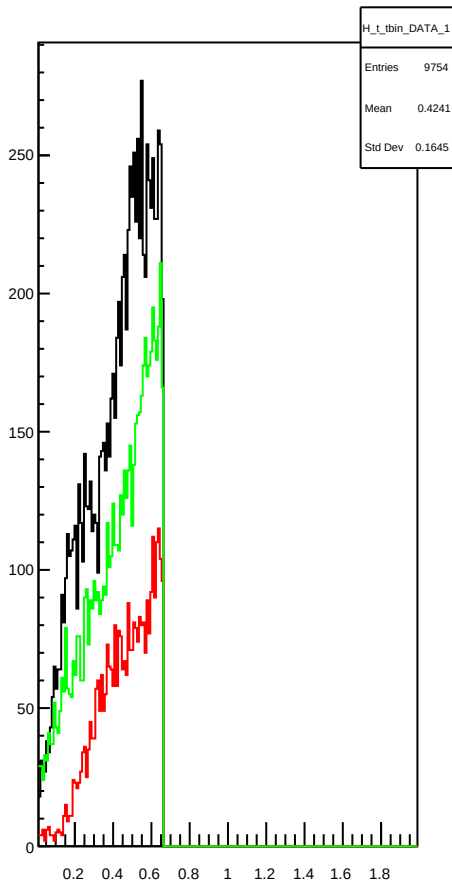
W (t bin 2)



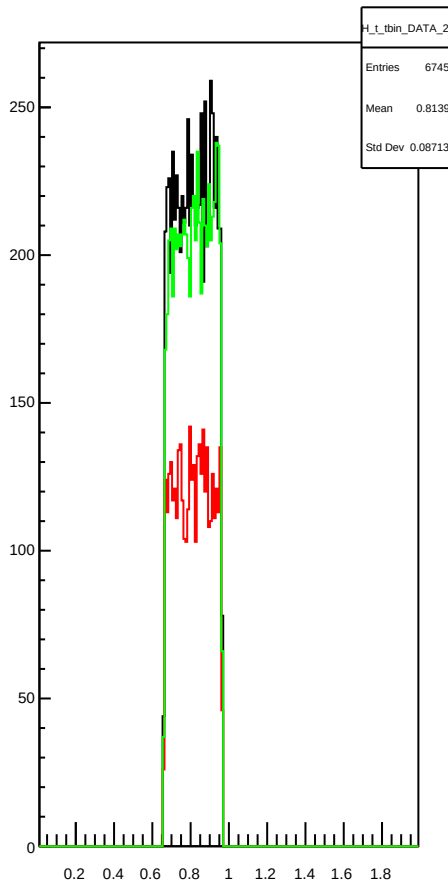
W (t bin 3)



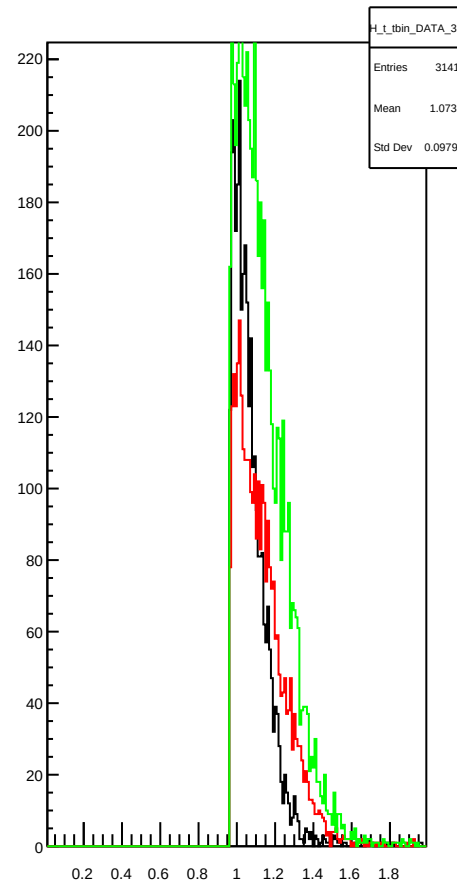
t (t bin 1)



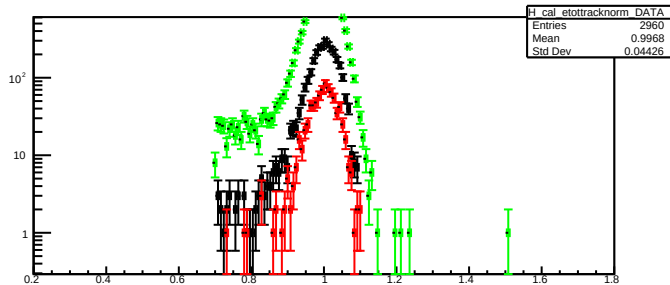
t (t bin 2)



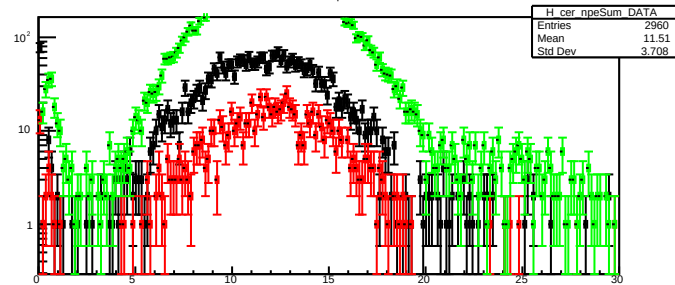
t (t bin 3)



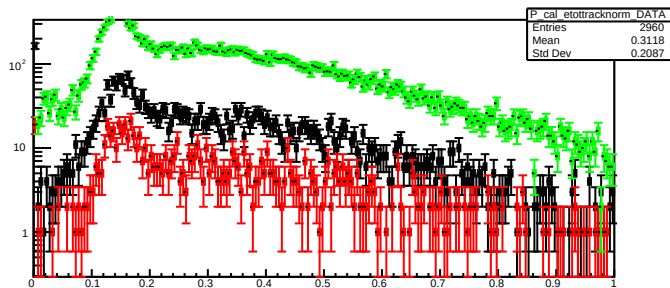
HMS Cal etotracknorm



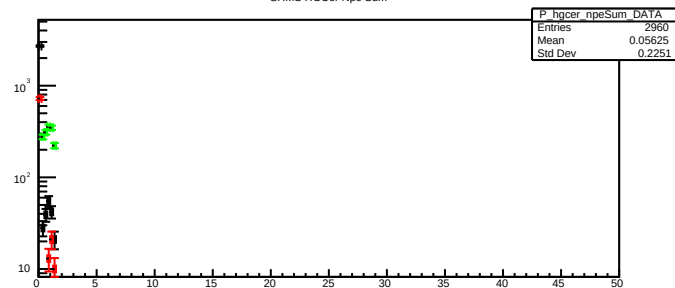
HMS Cer Npe Sum



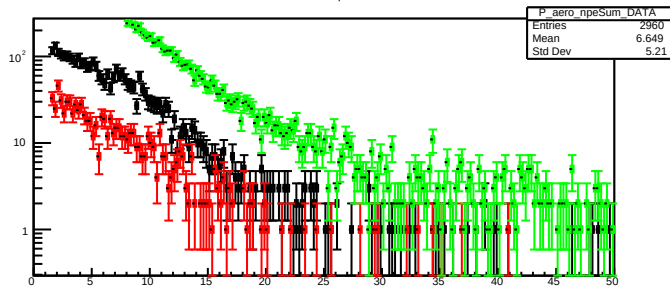
SHMS Cal etotracknorm



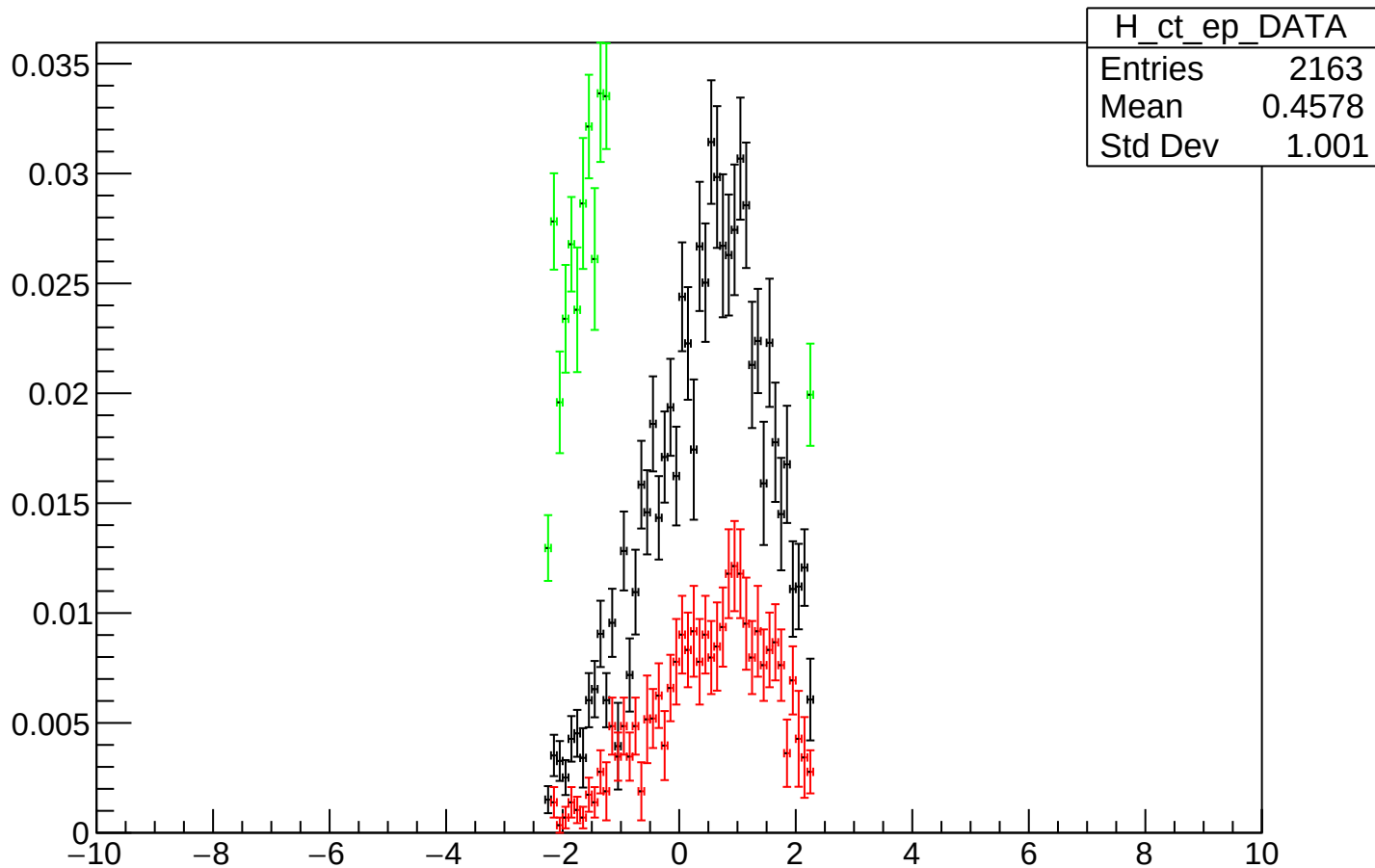
SHMS HGcer Npe Sum



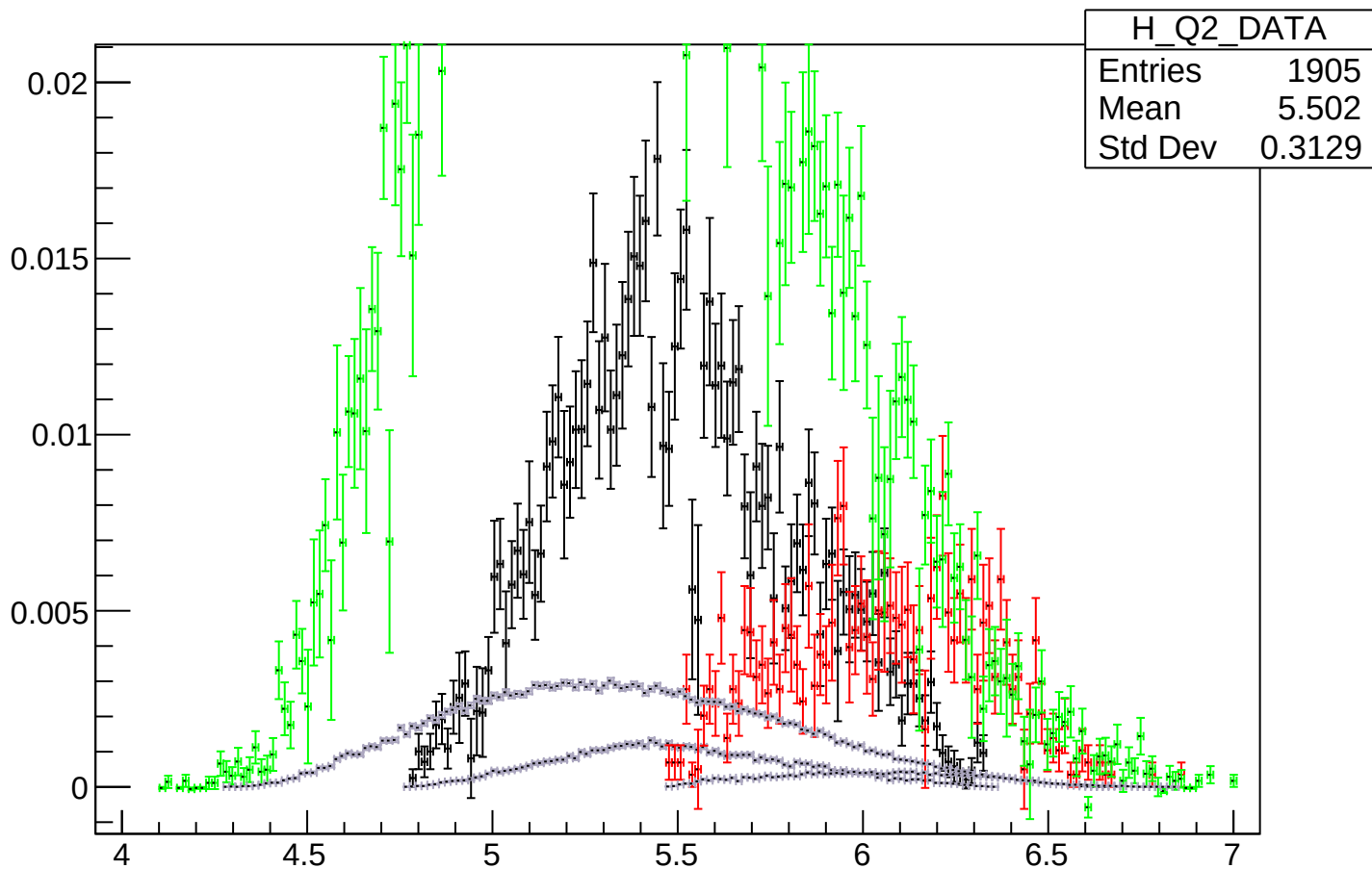
SHMS Aero Npe Sum



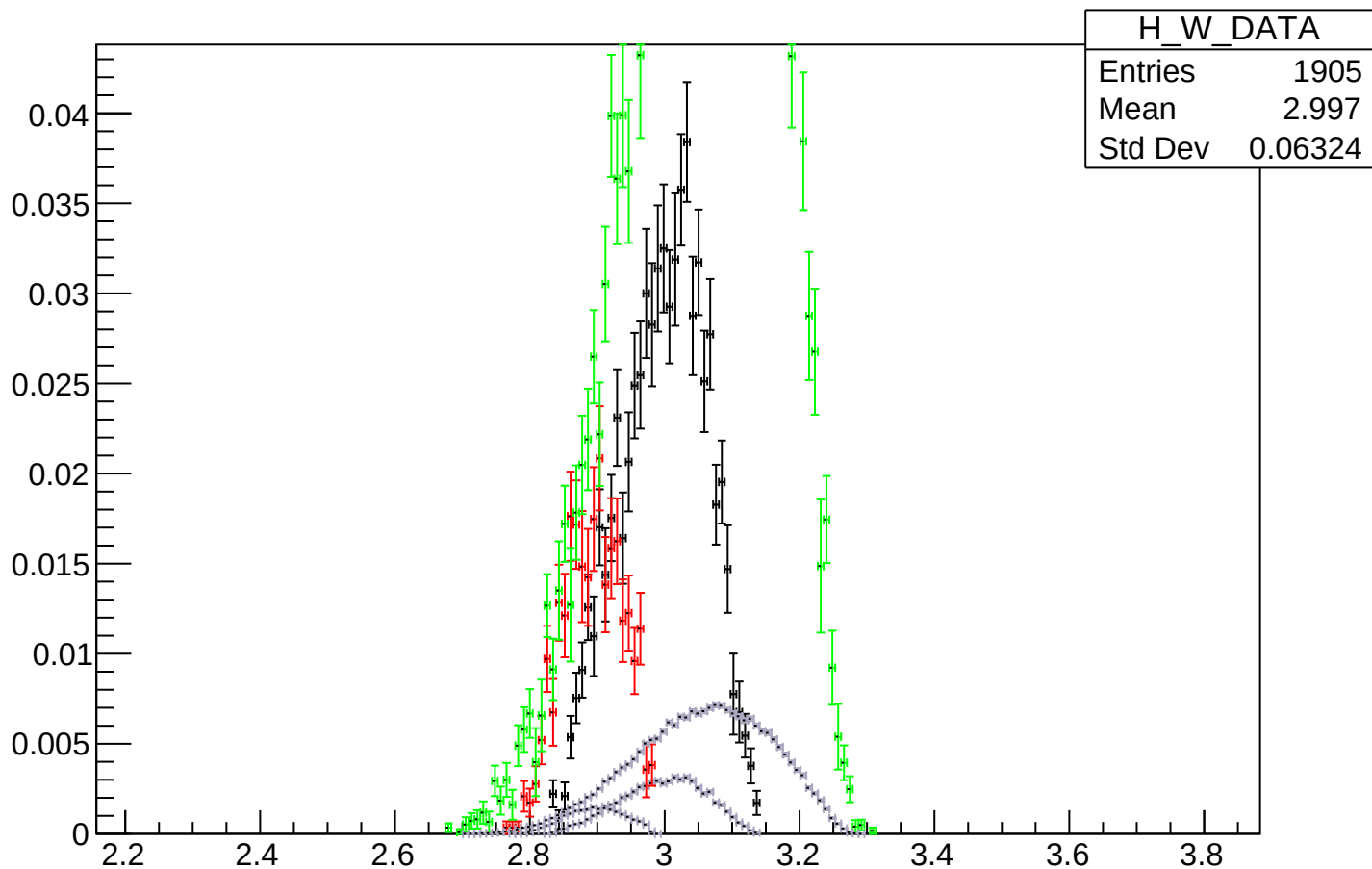
Electron-Proton CTime



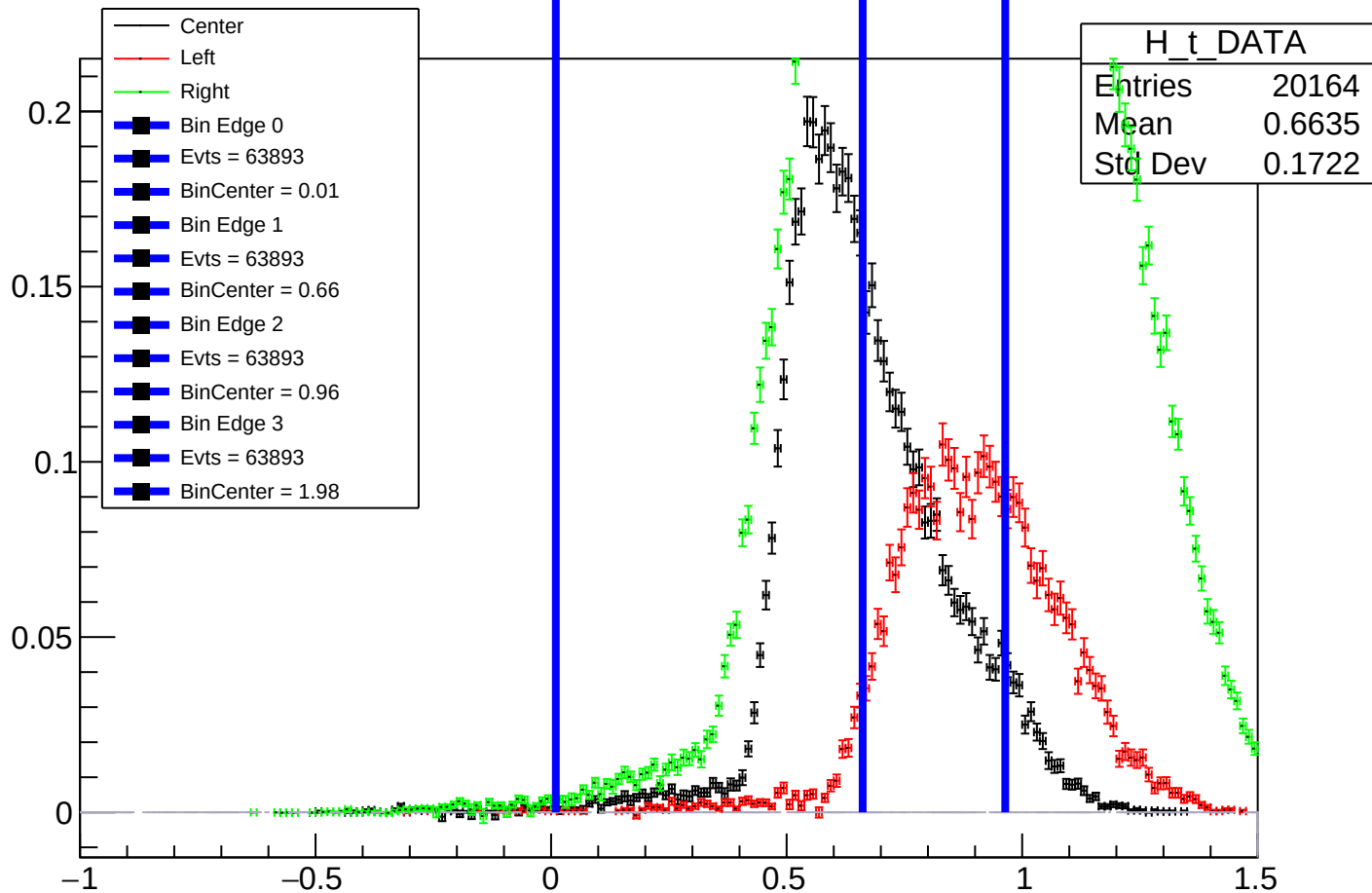
Q2



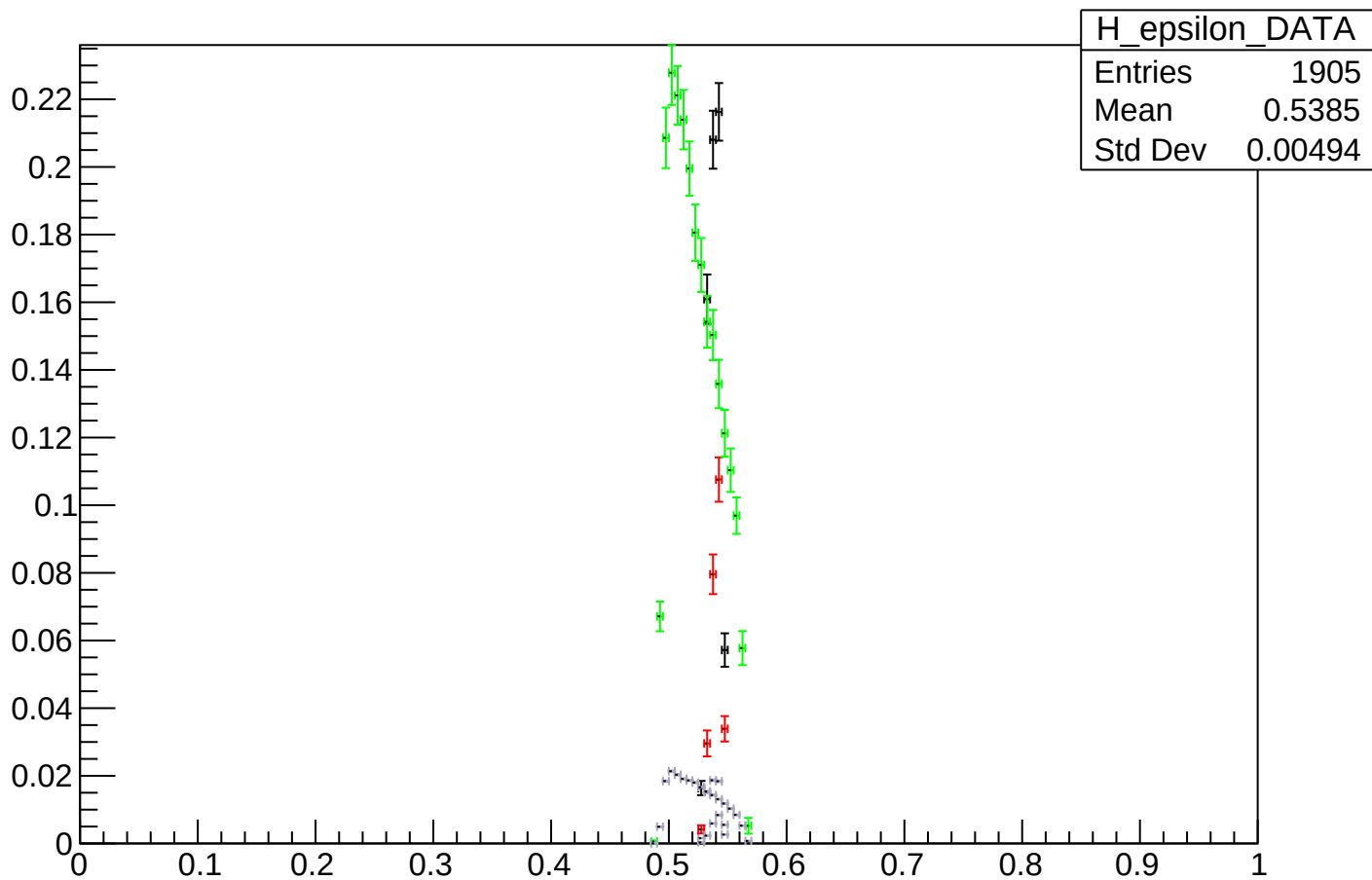
W

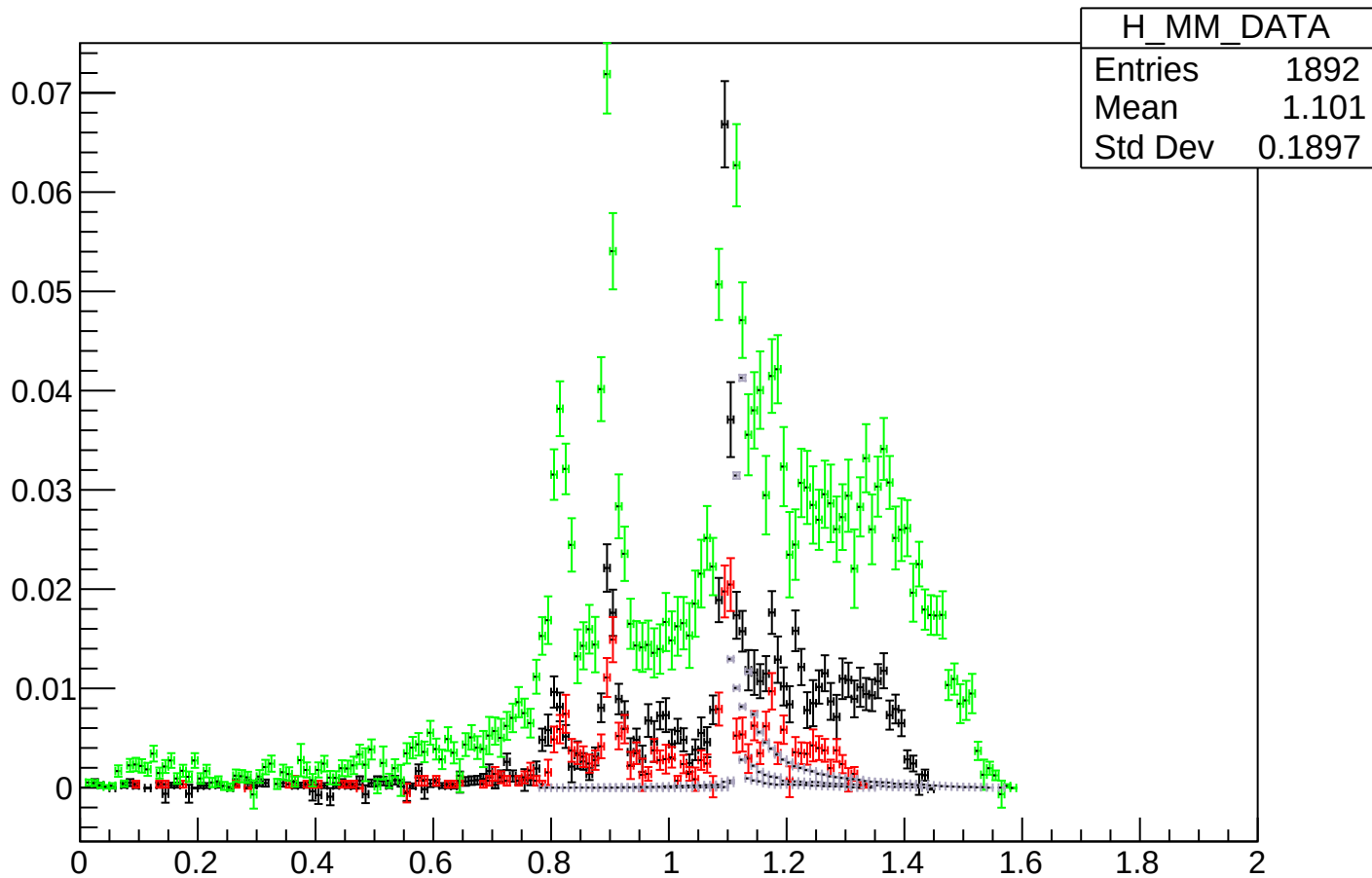


-t

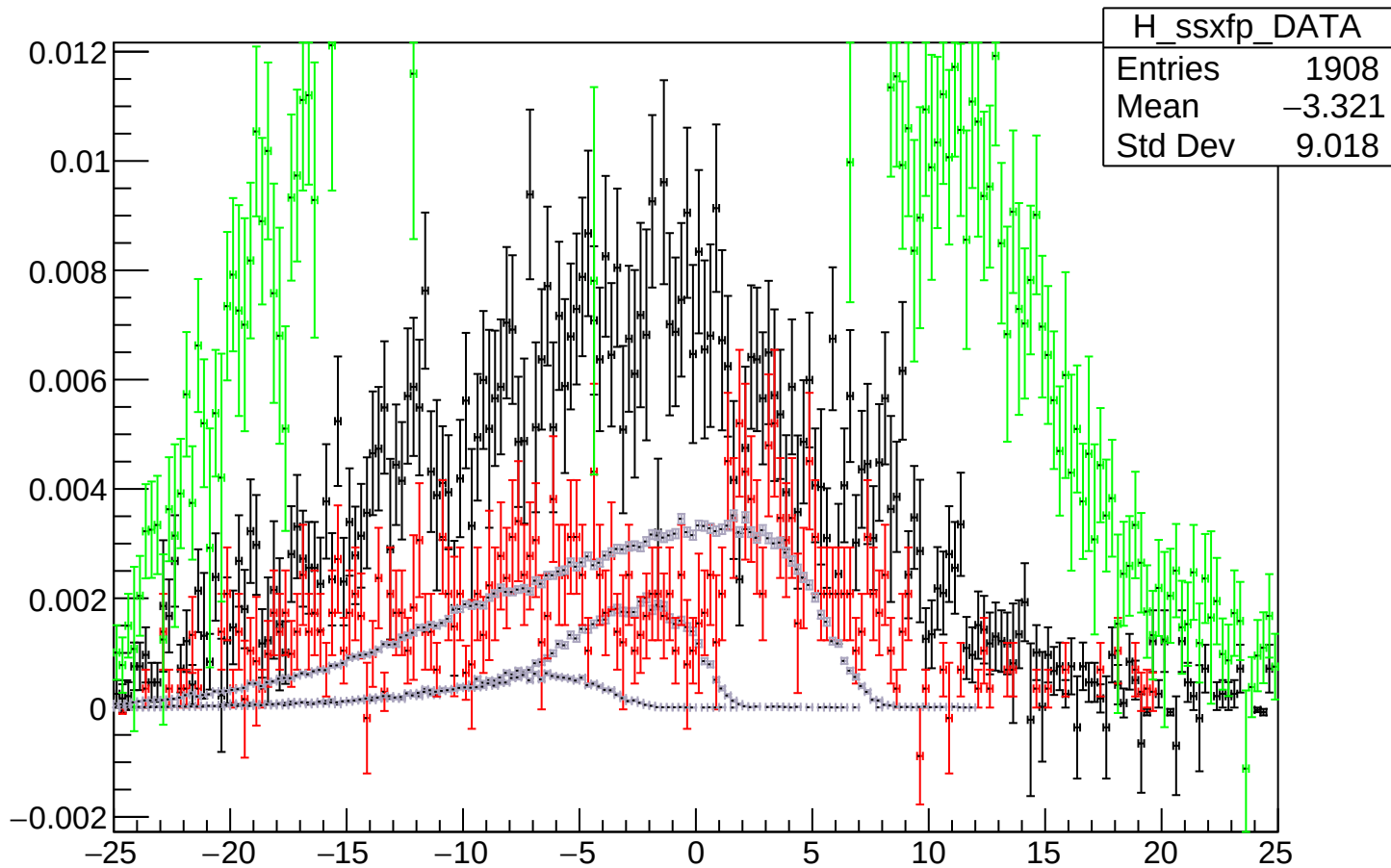


epsilon

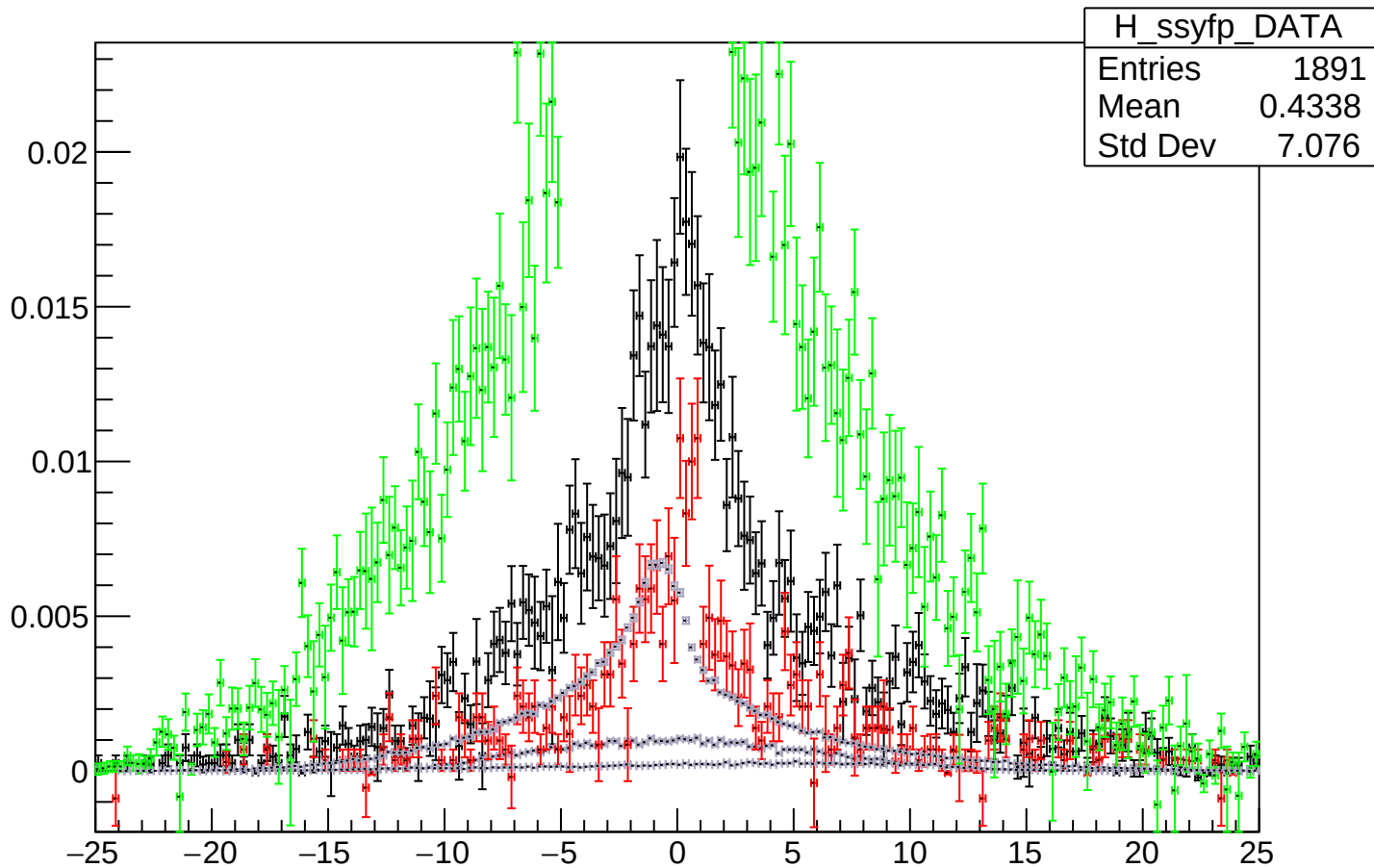


MM_K 

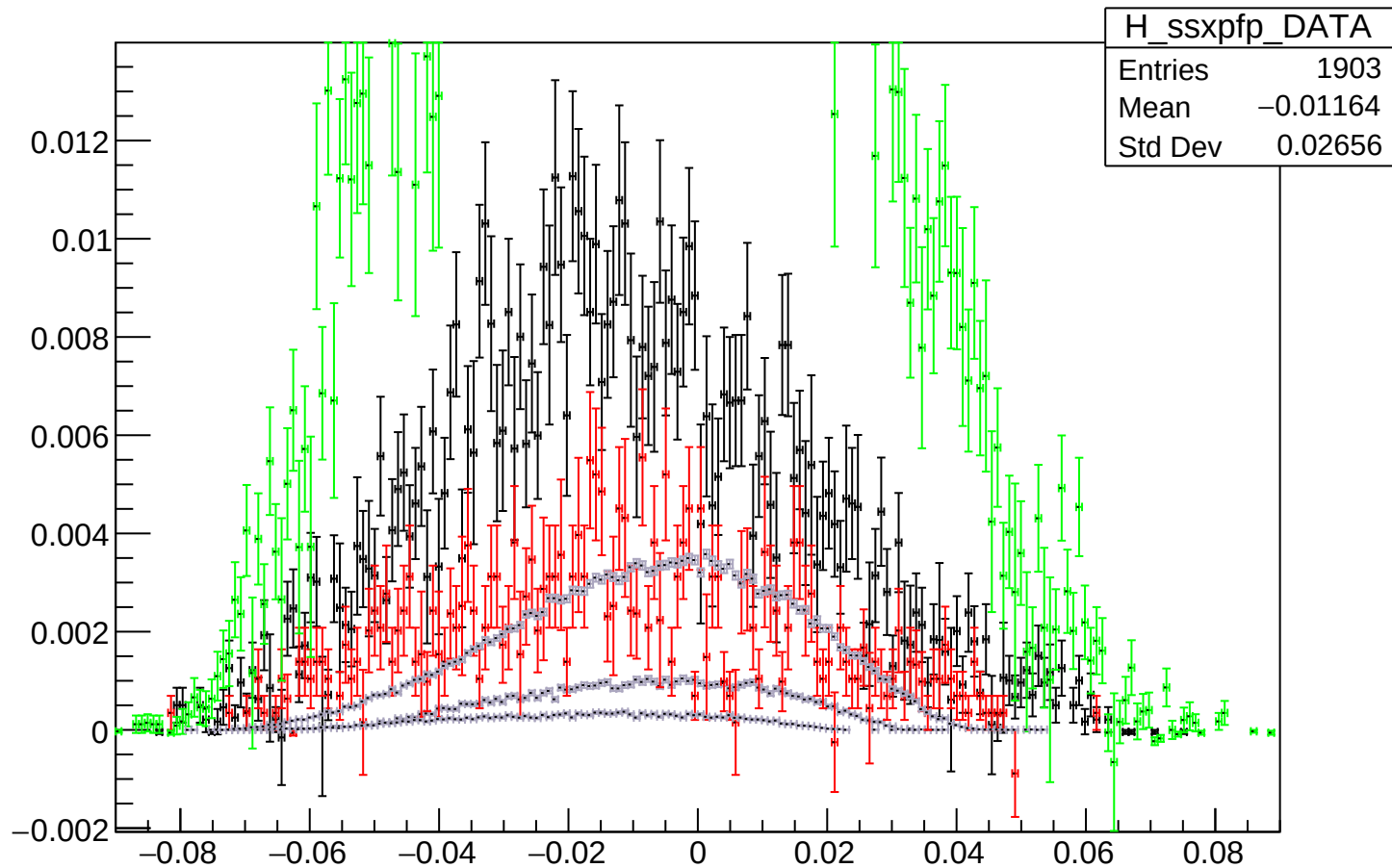
SHMS xfp



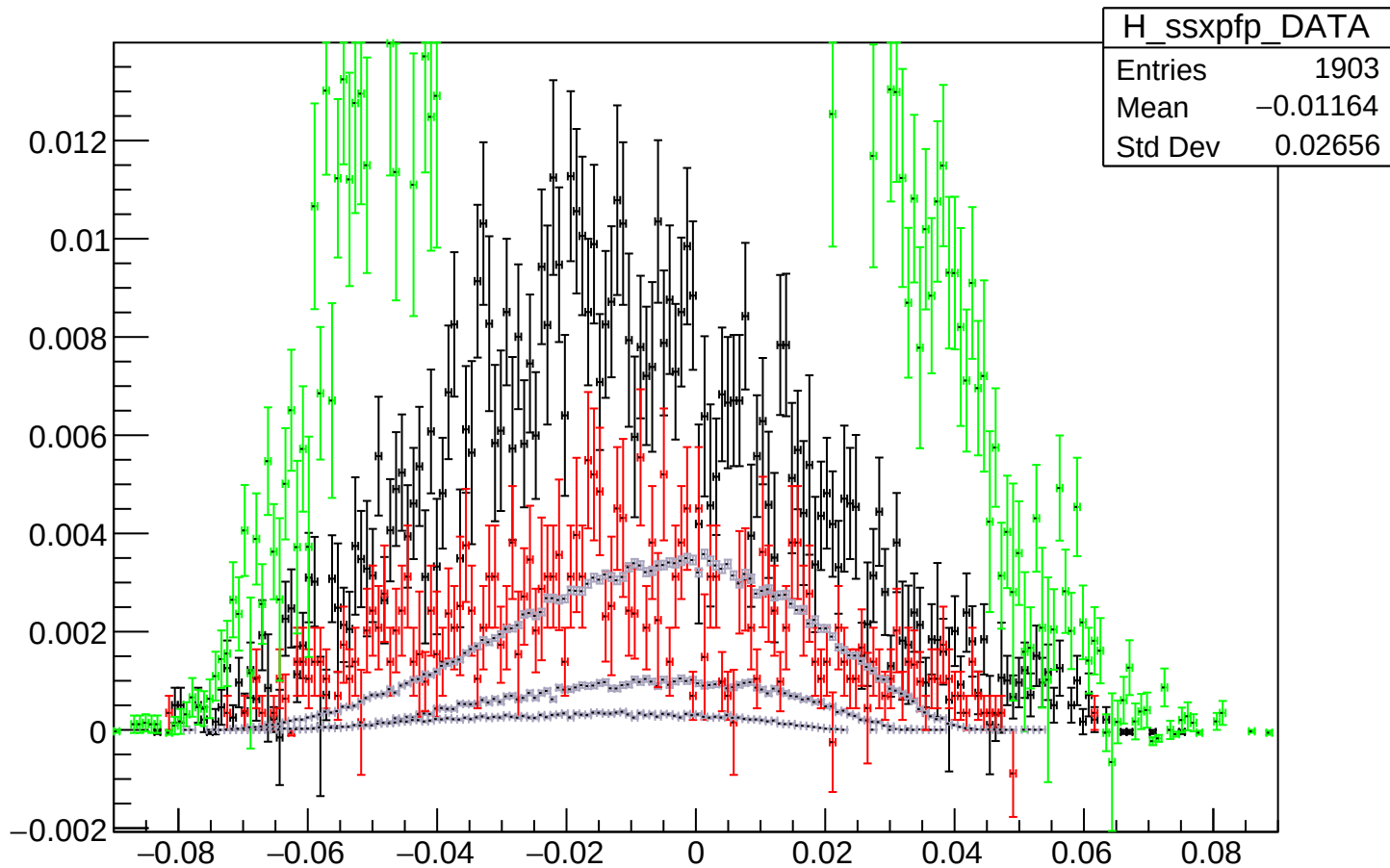
SHMS yfp



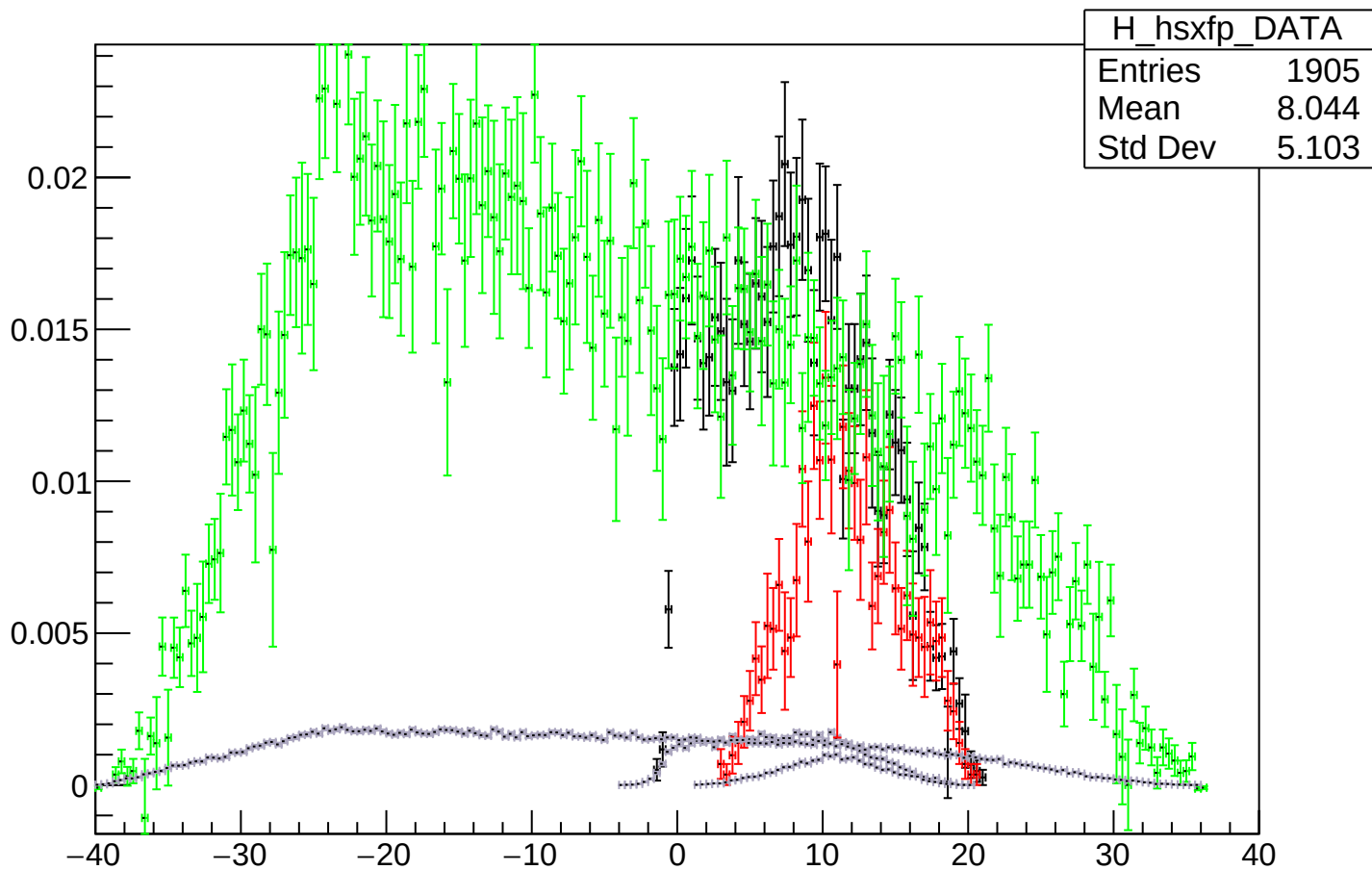
SHMS xfp



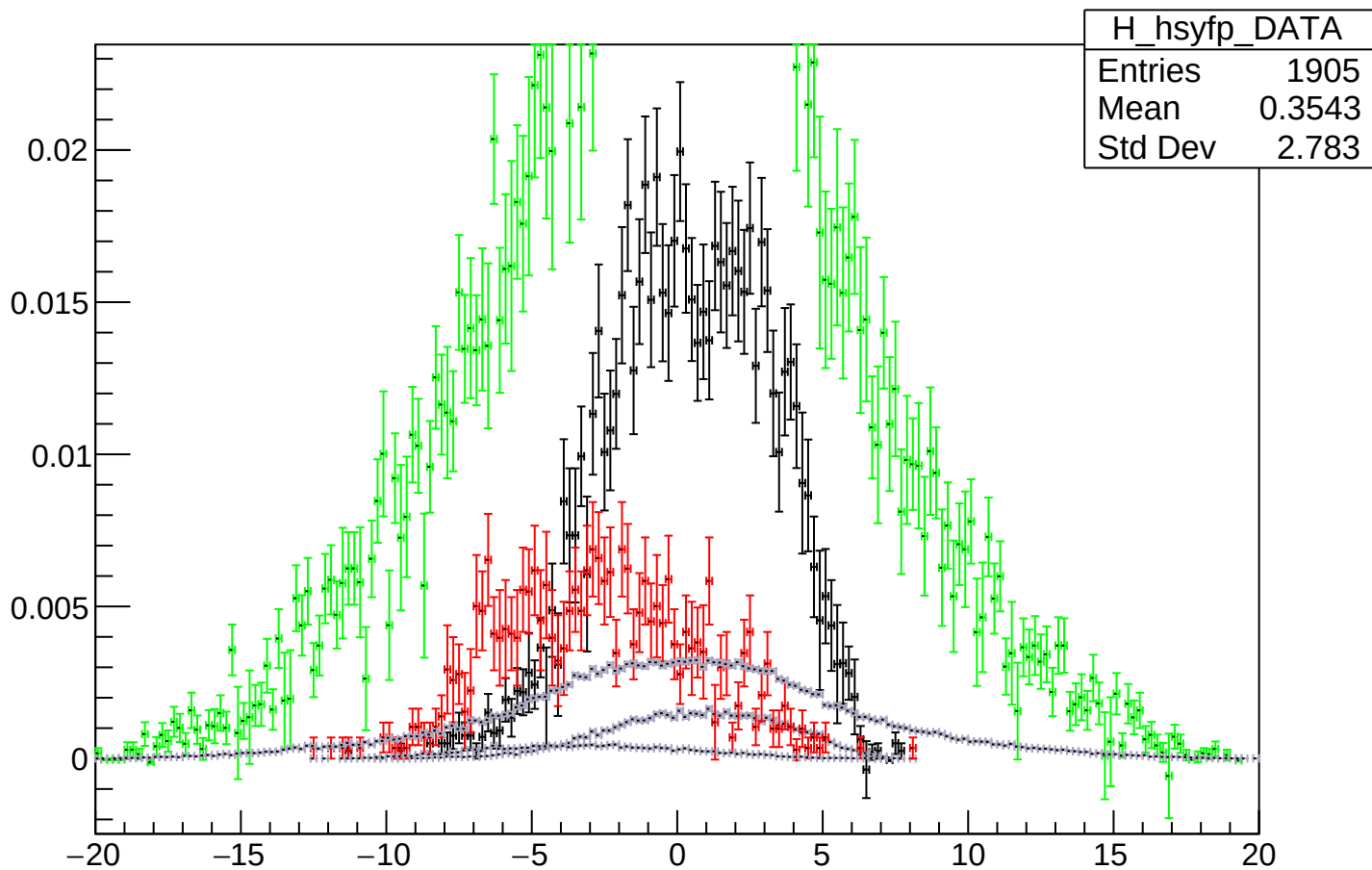
SHMS xfp



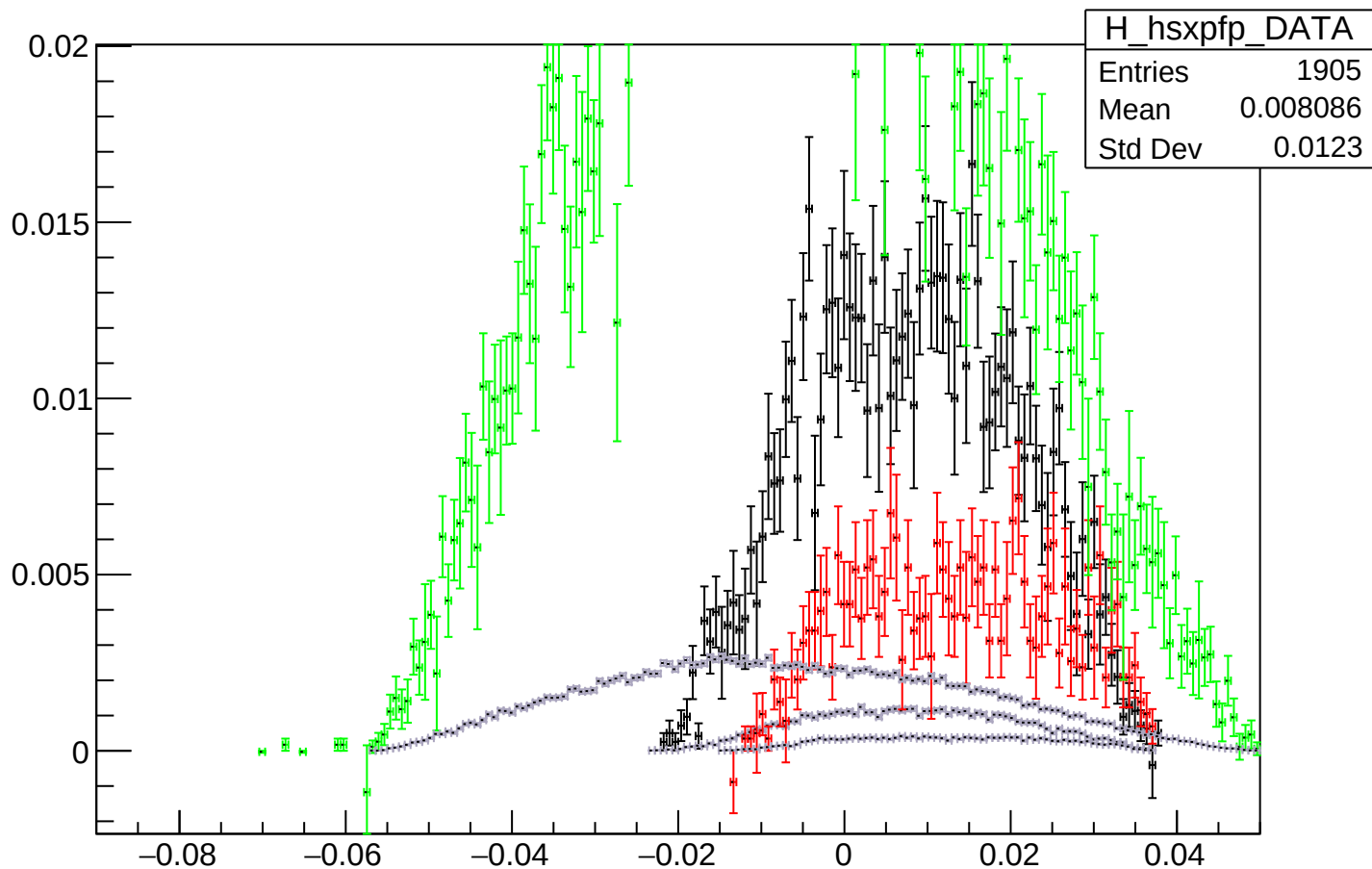
HMS xfp



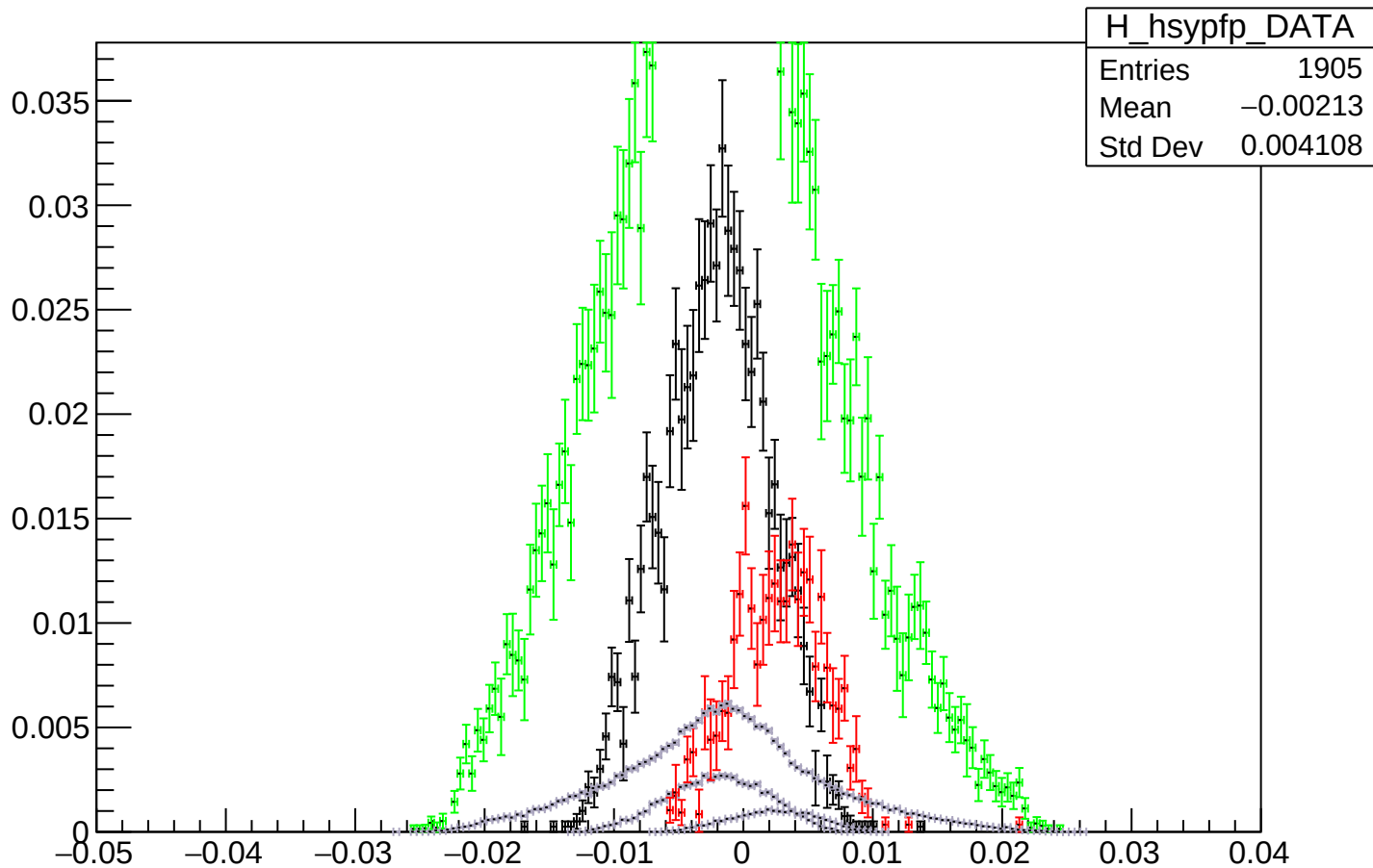
HMS yfp



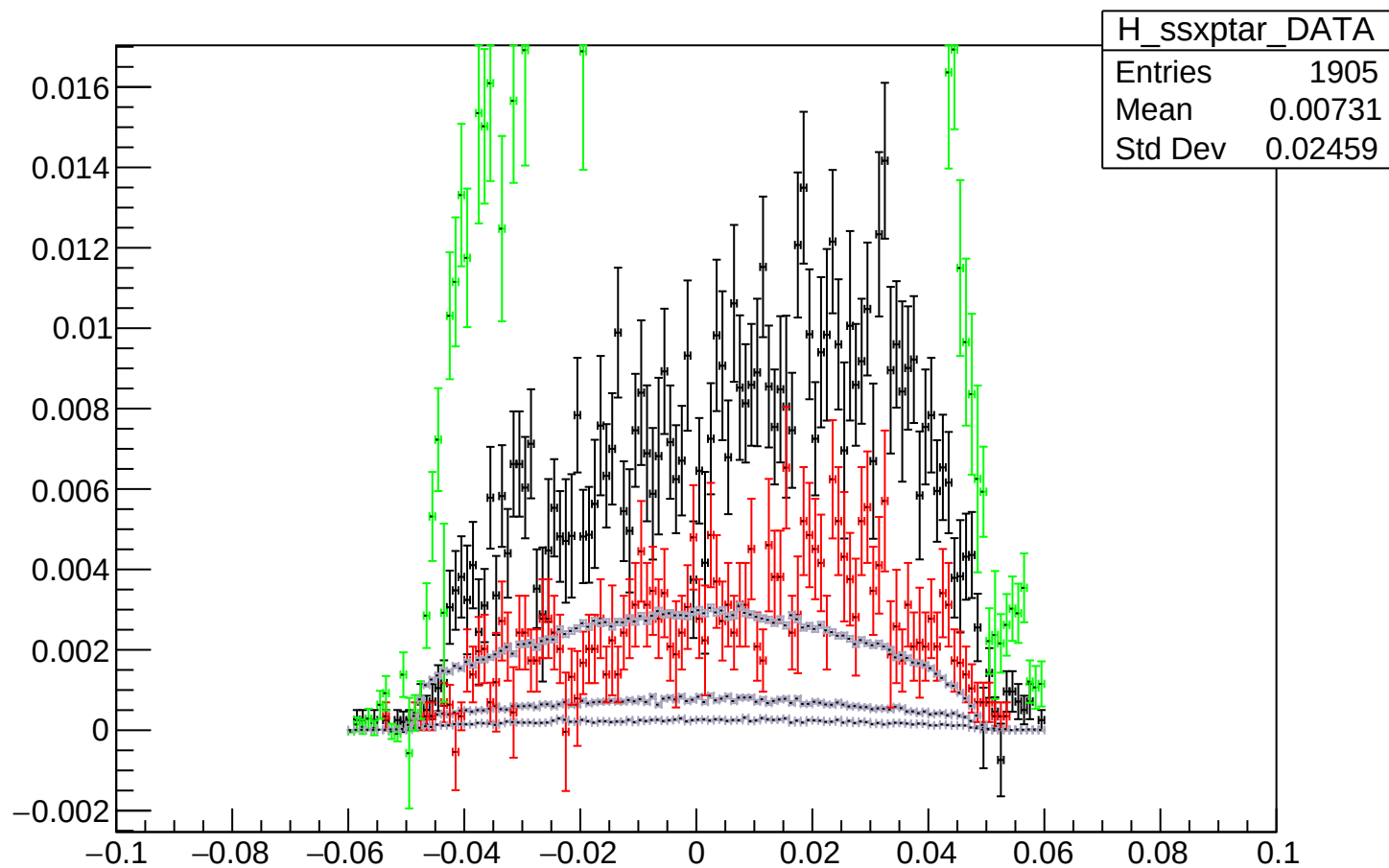
HMS xfp



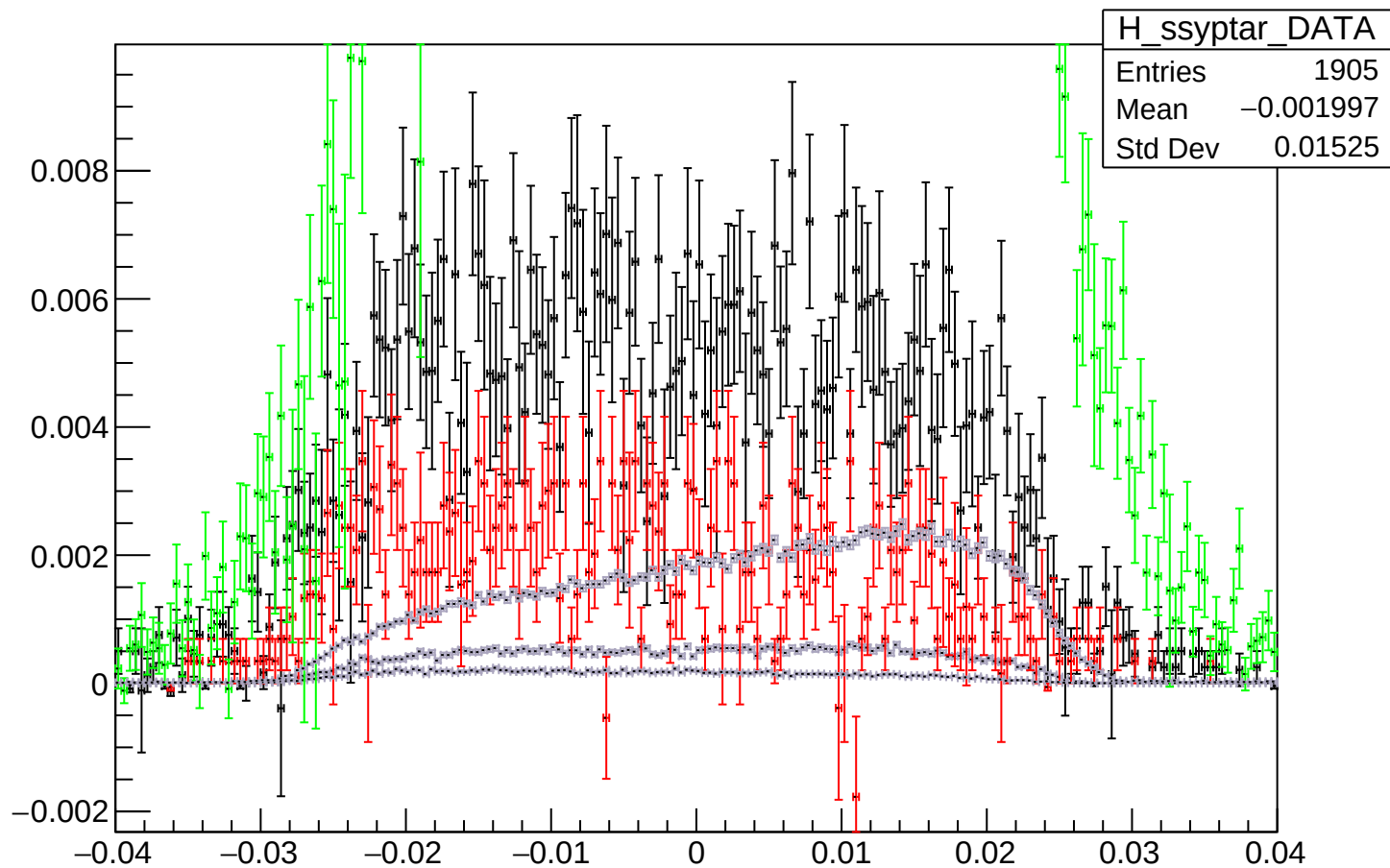
HMS yfpf



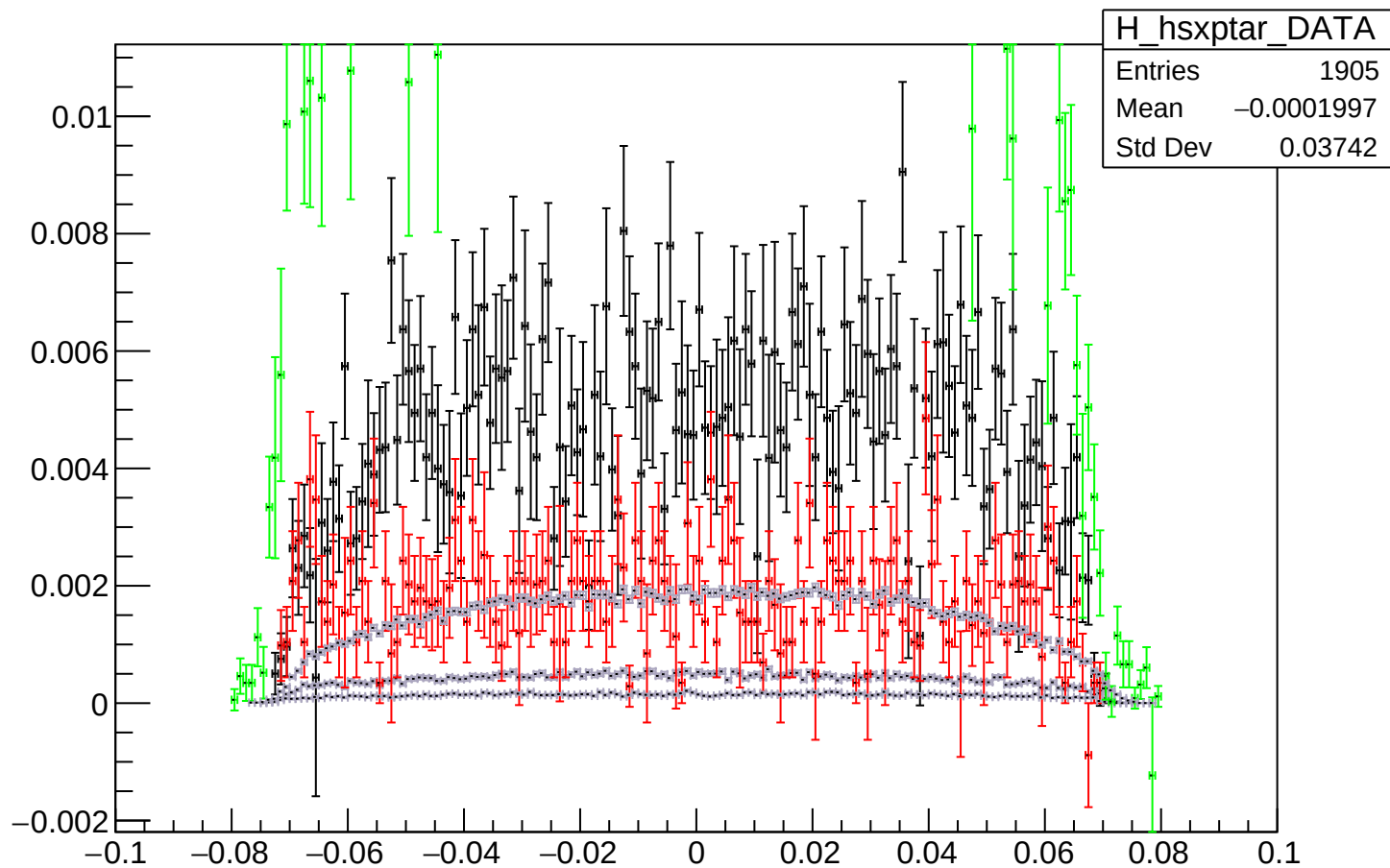
SHMS xptar



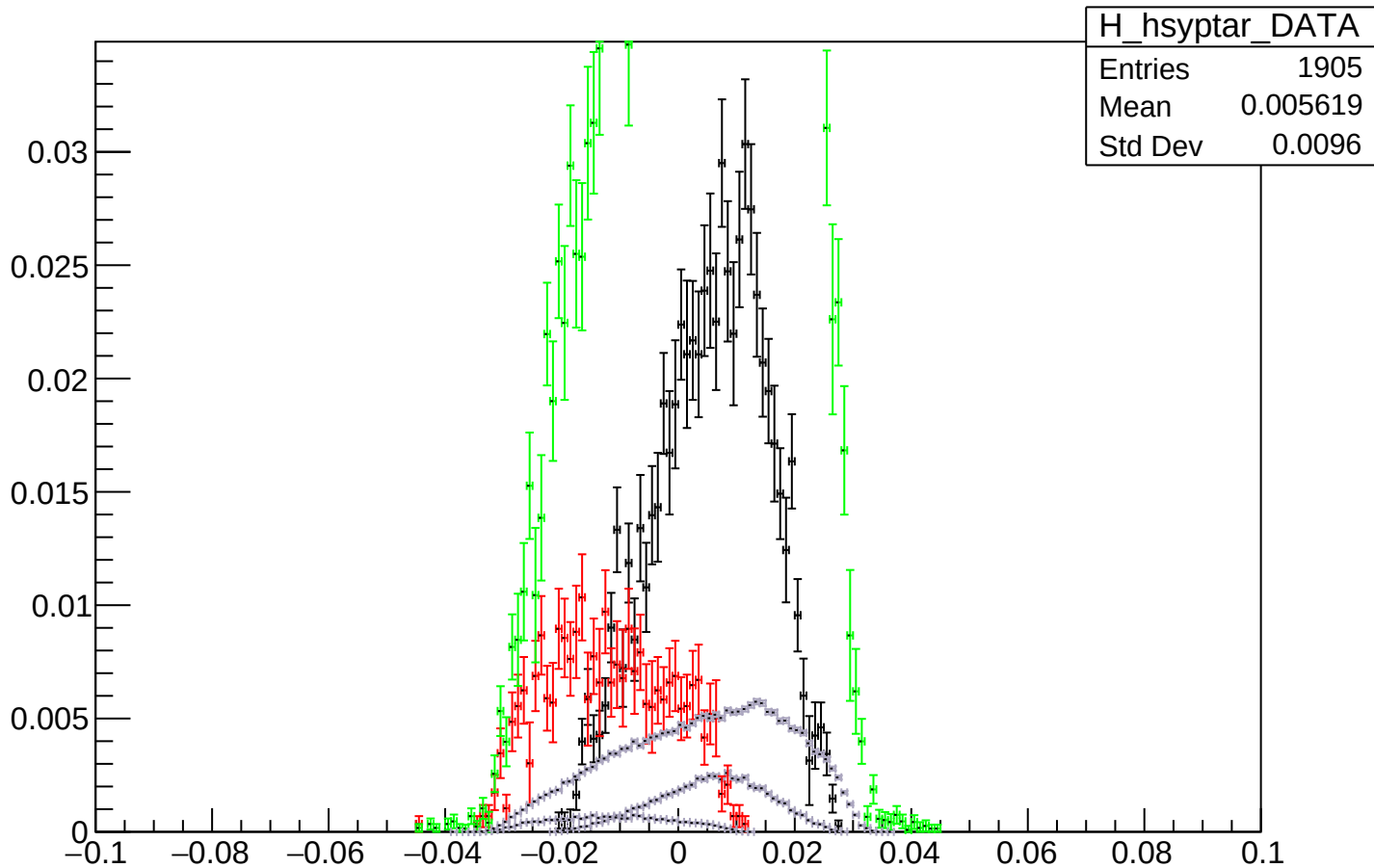
SHMS yptar



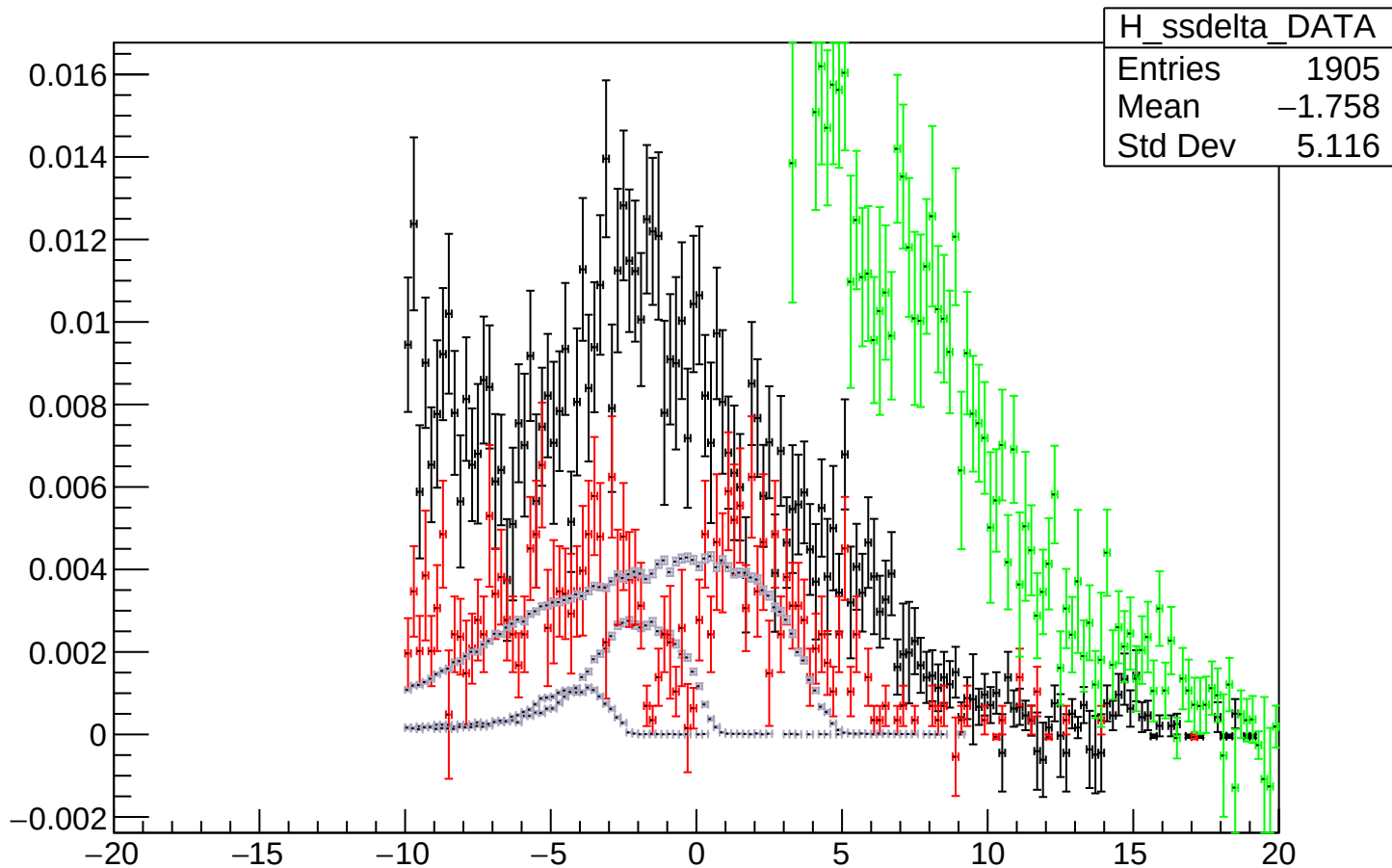
HMS xptar



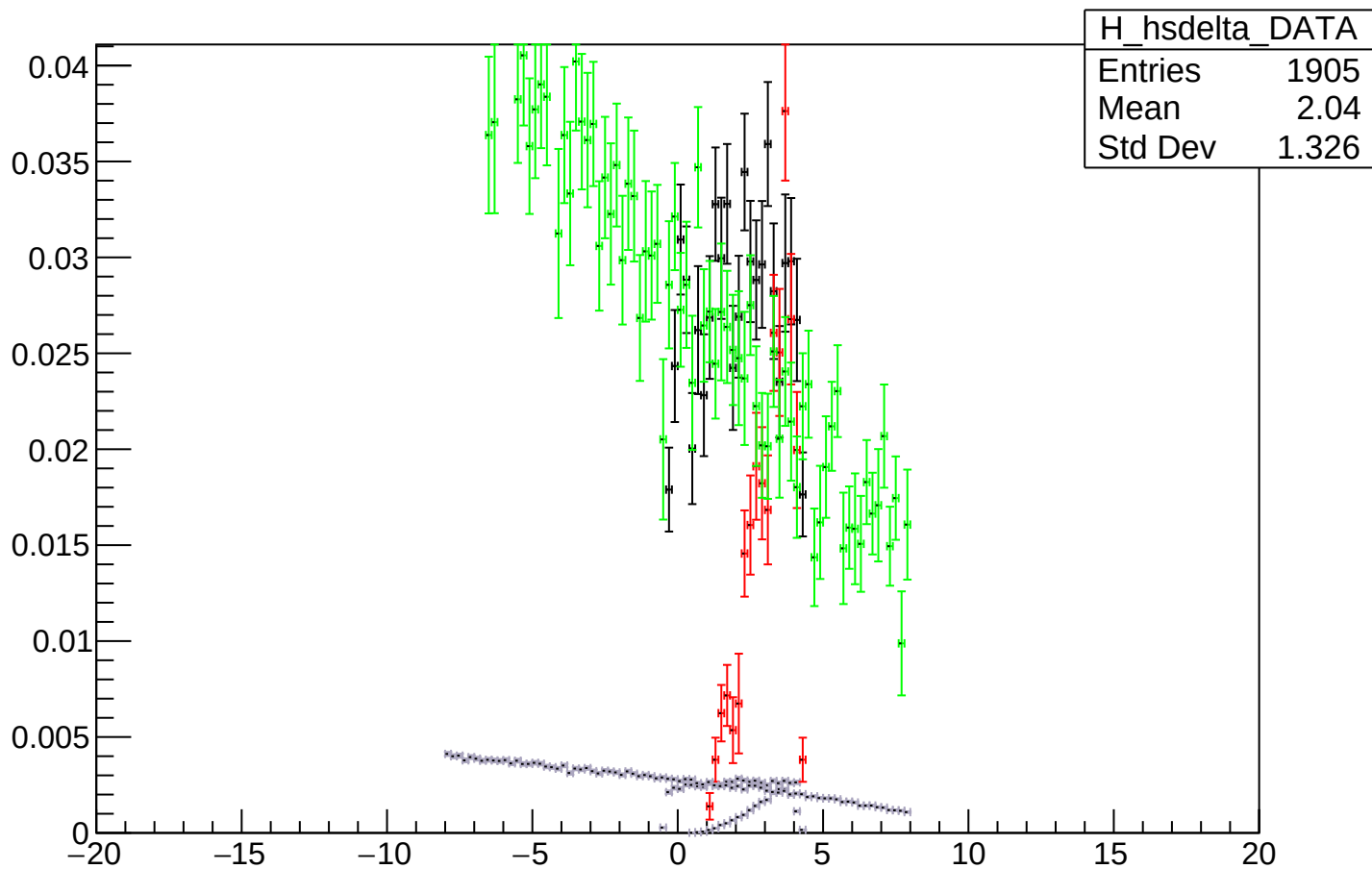
HMS yptar



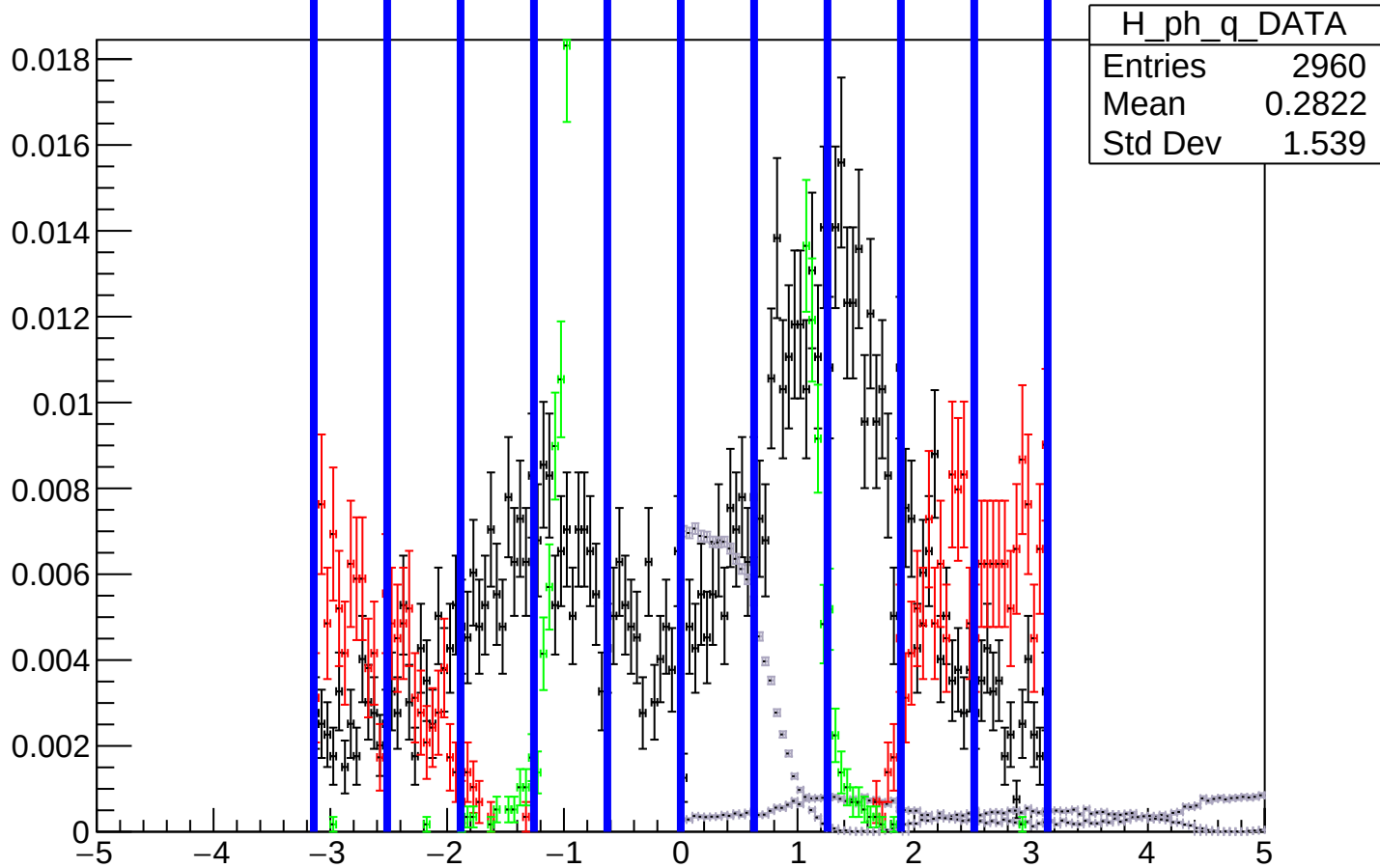
SHMS delta



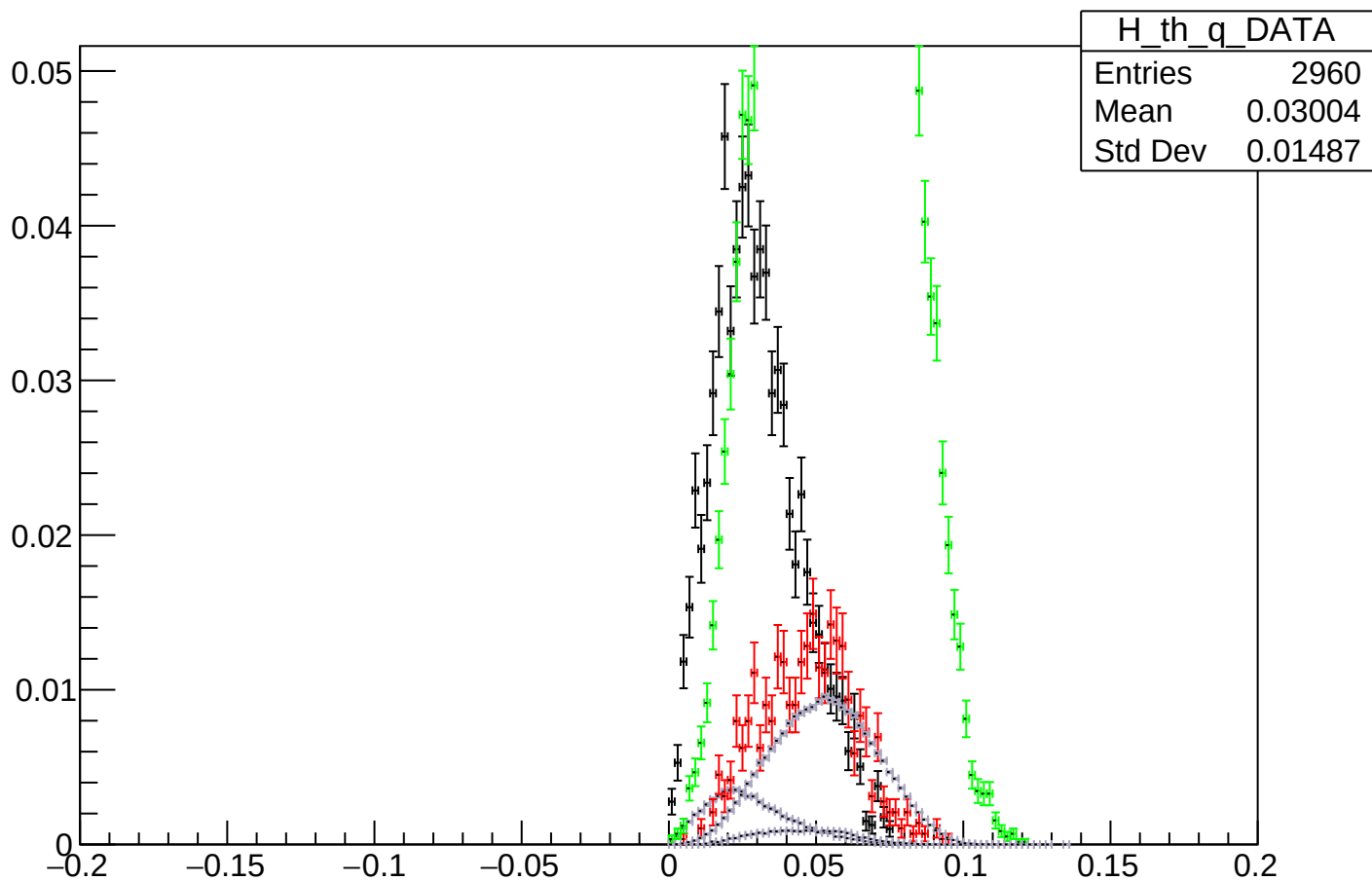
HMS Delta



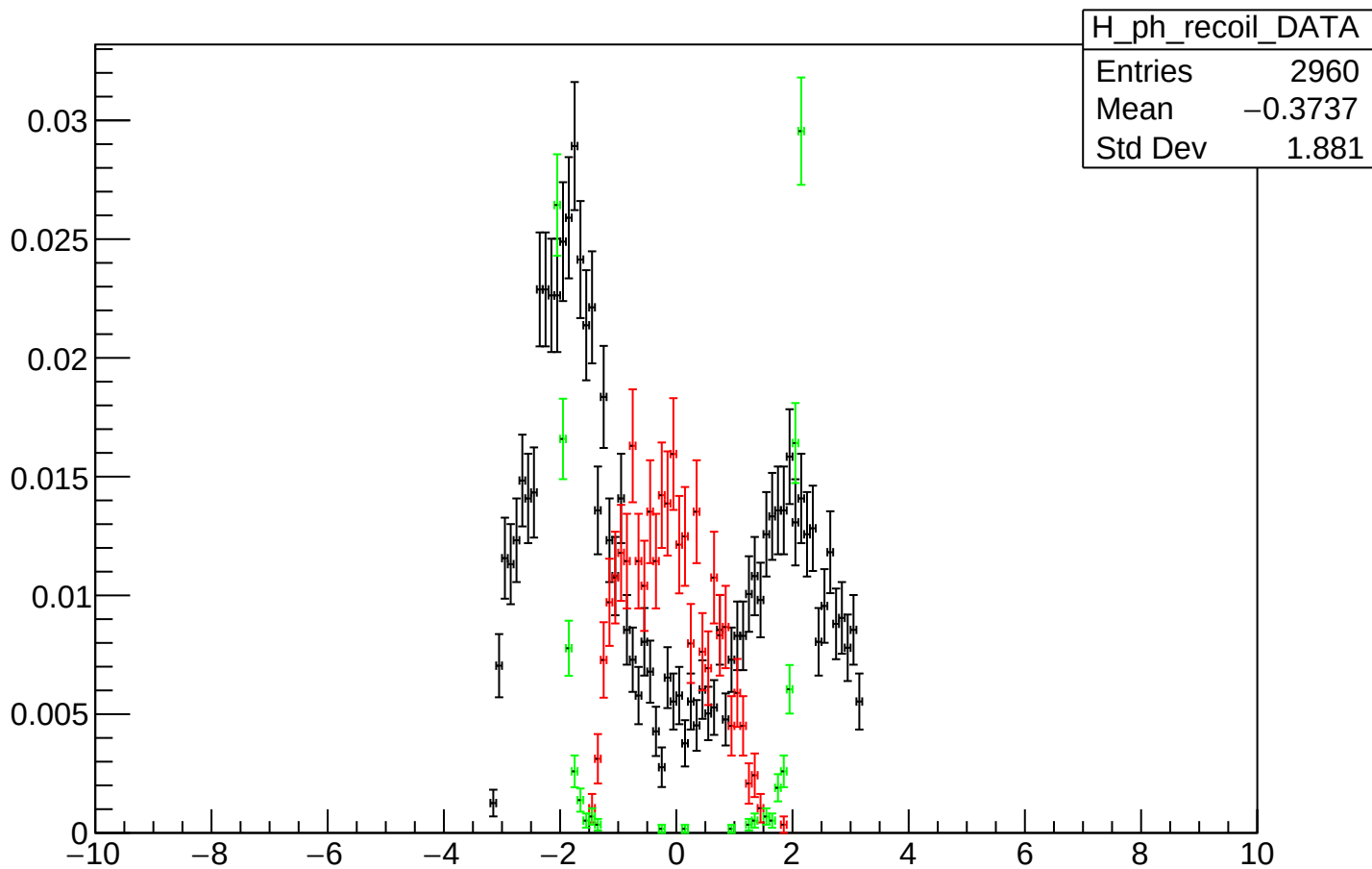
Phi Detected (ph_xq)



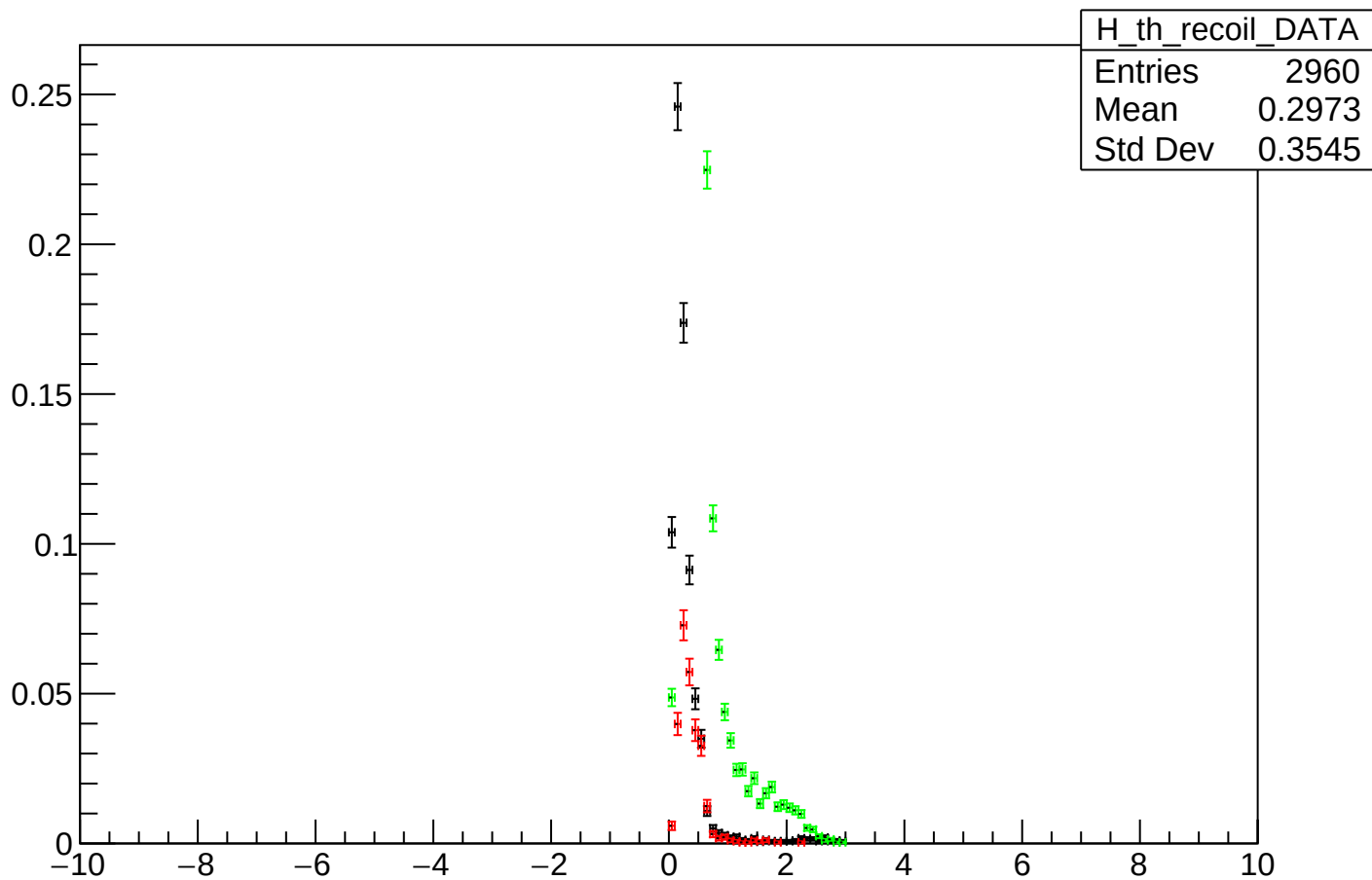
Theta Detected (th_xq)



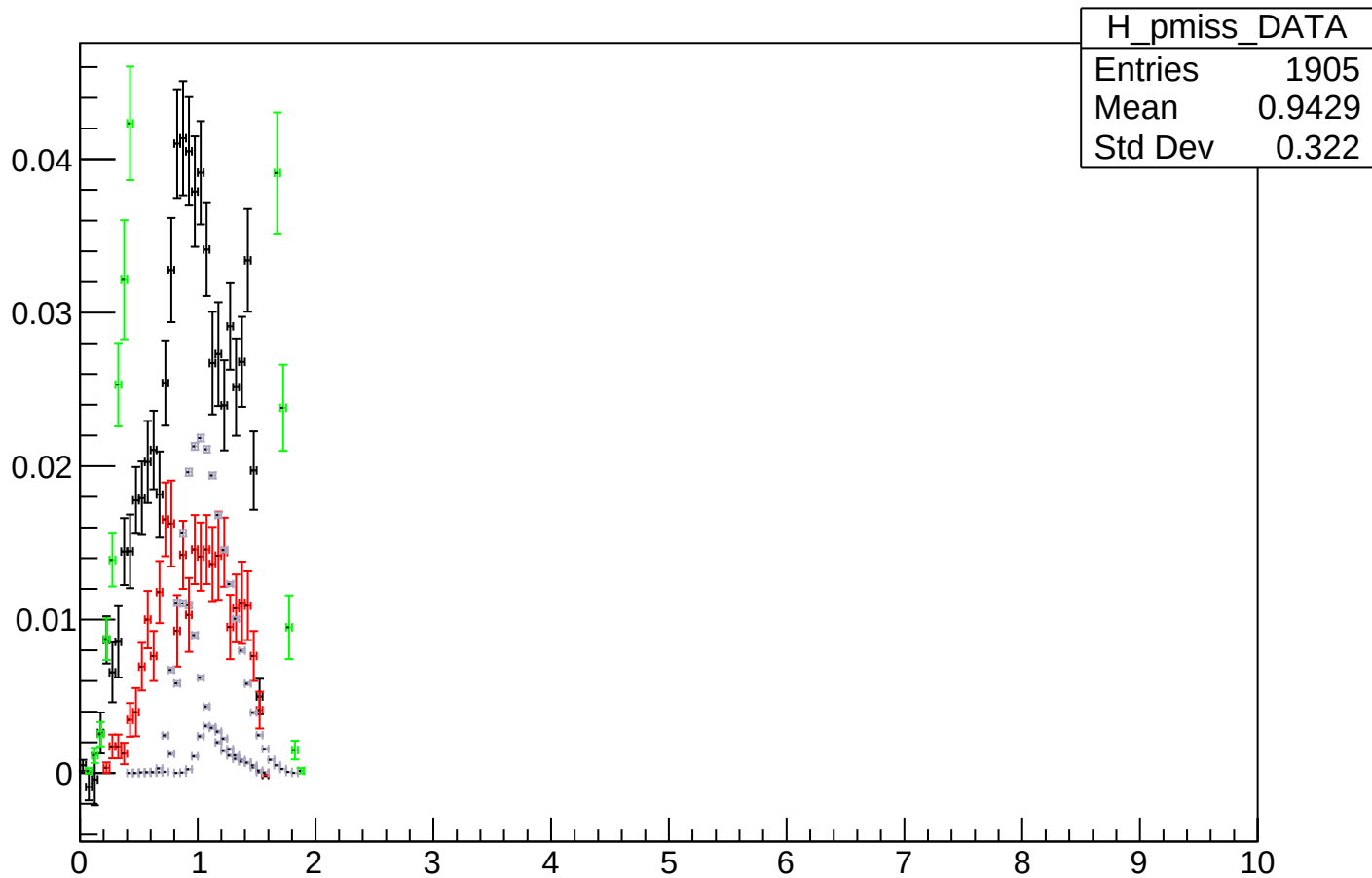
Phi Recoil (ph_bq)



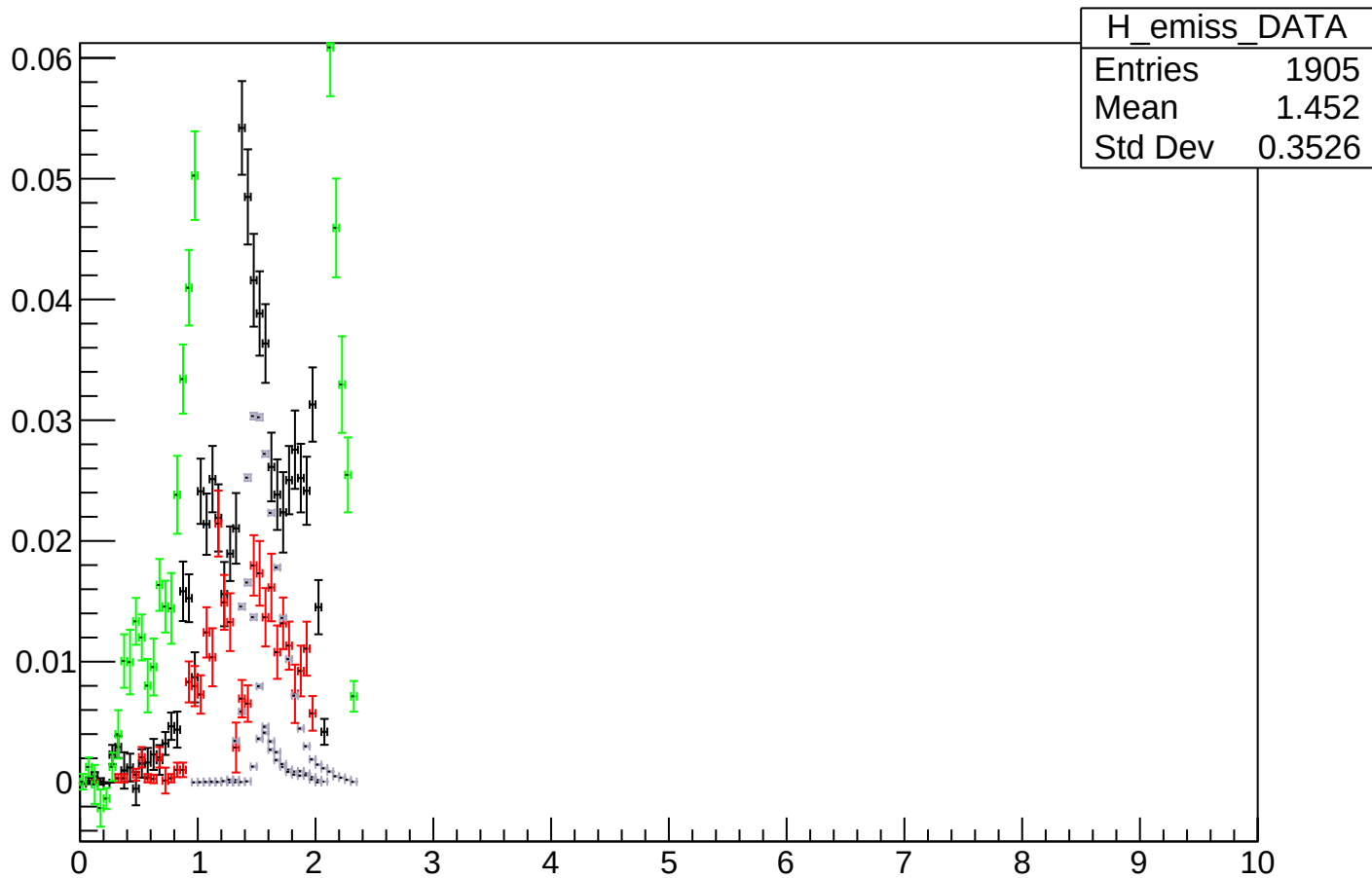
Theta Recoil (th_bq)



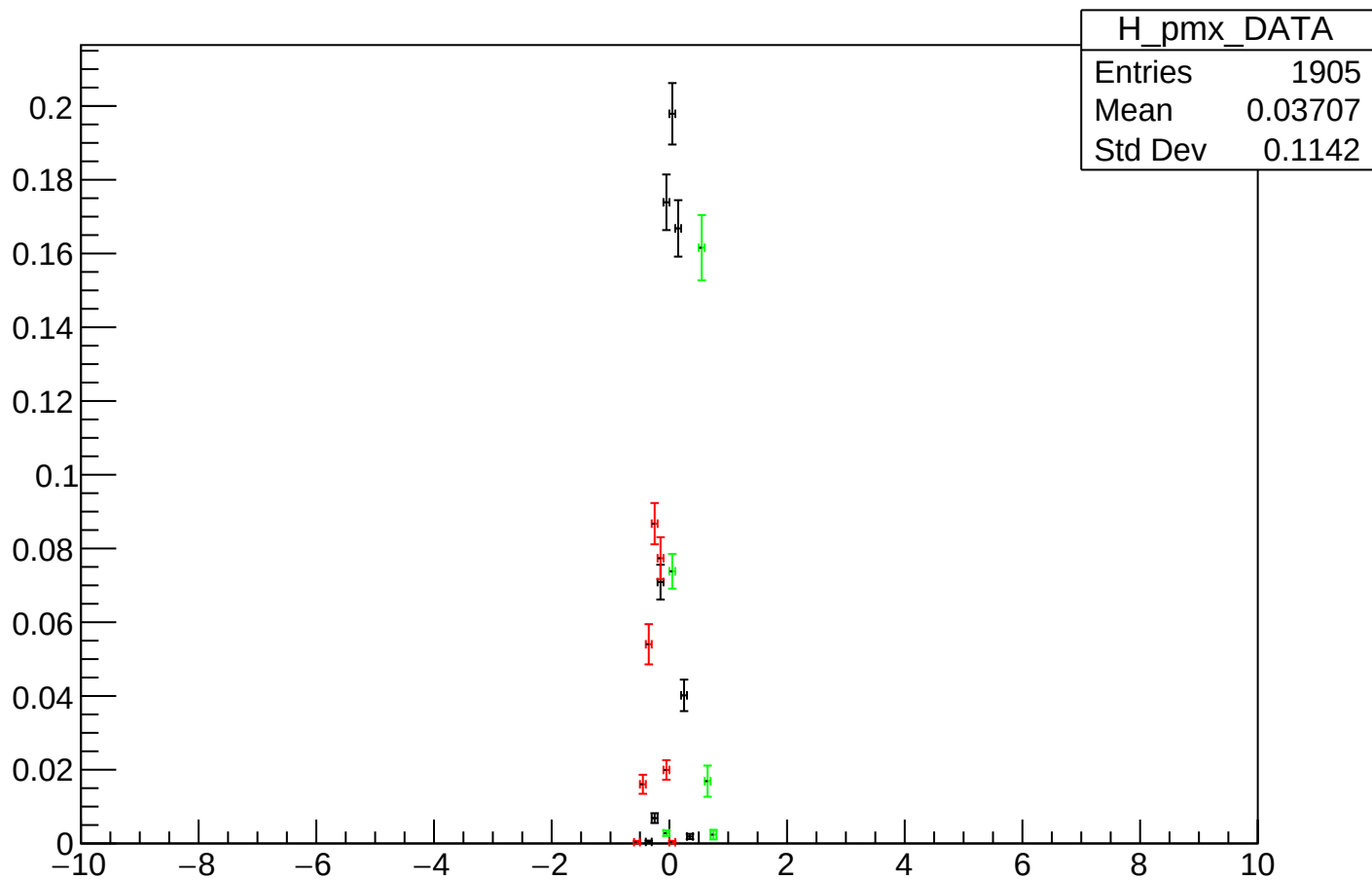
pmiss



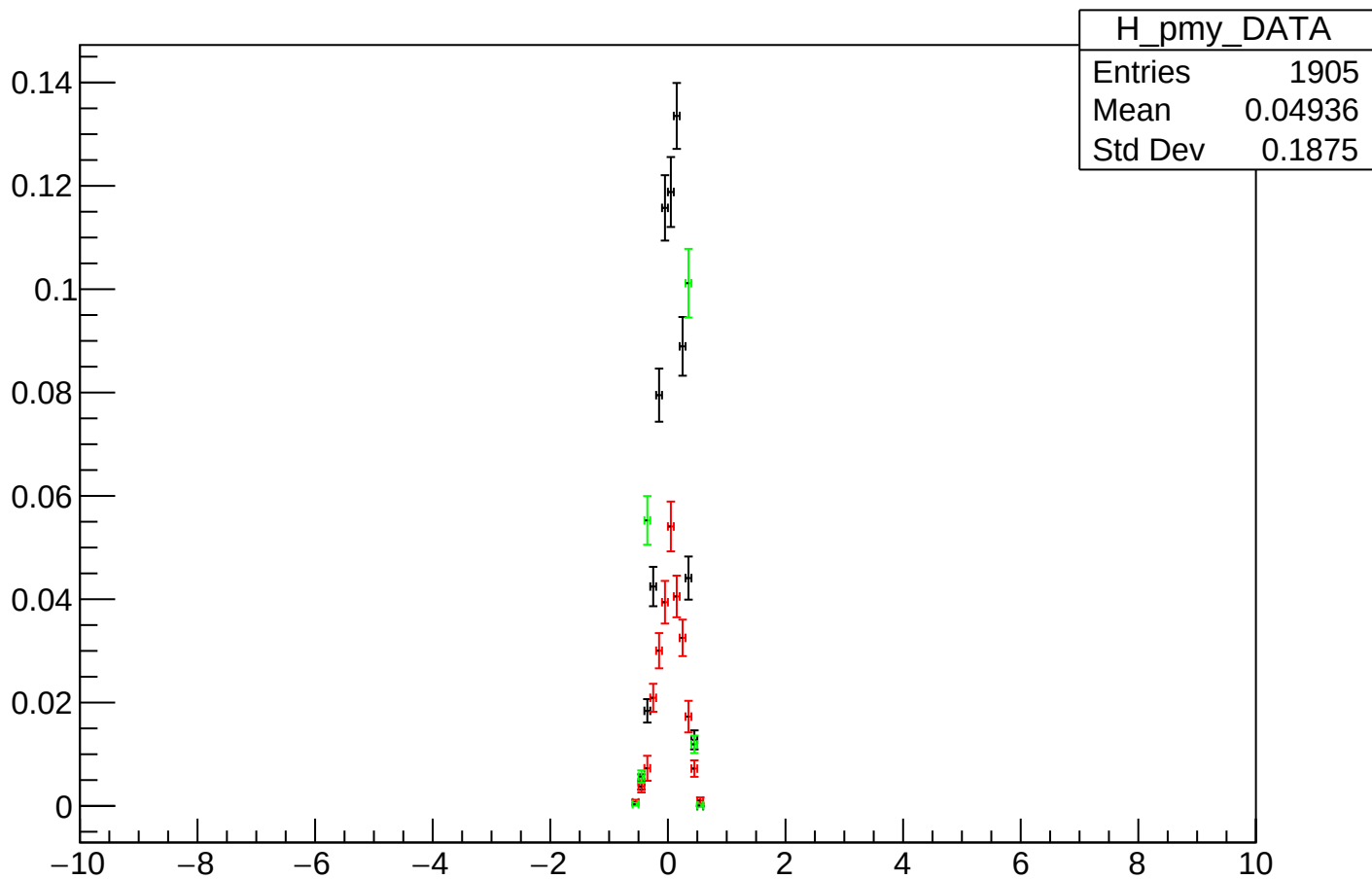
emiss



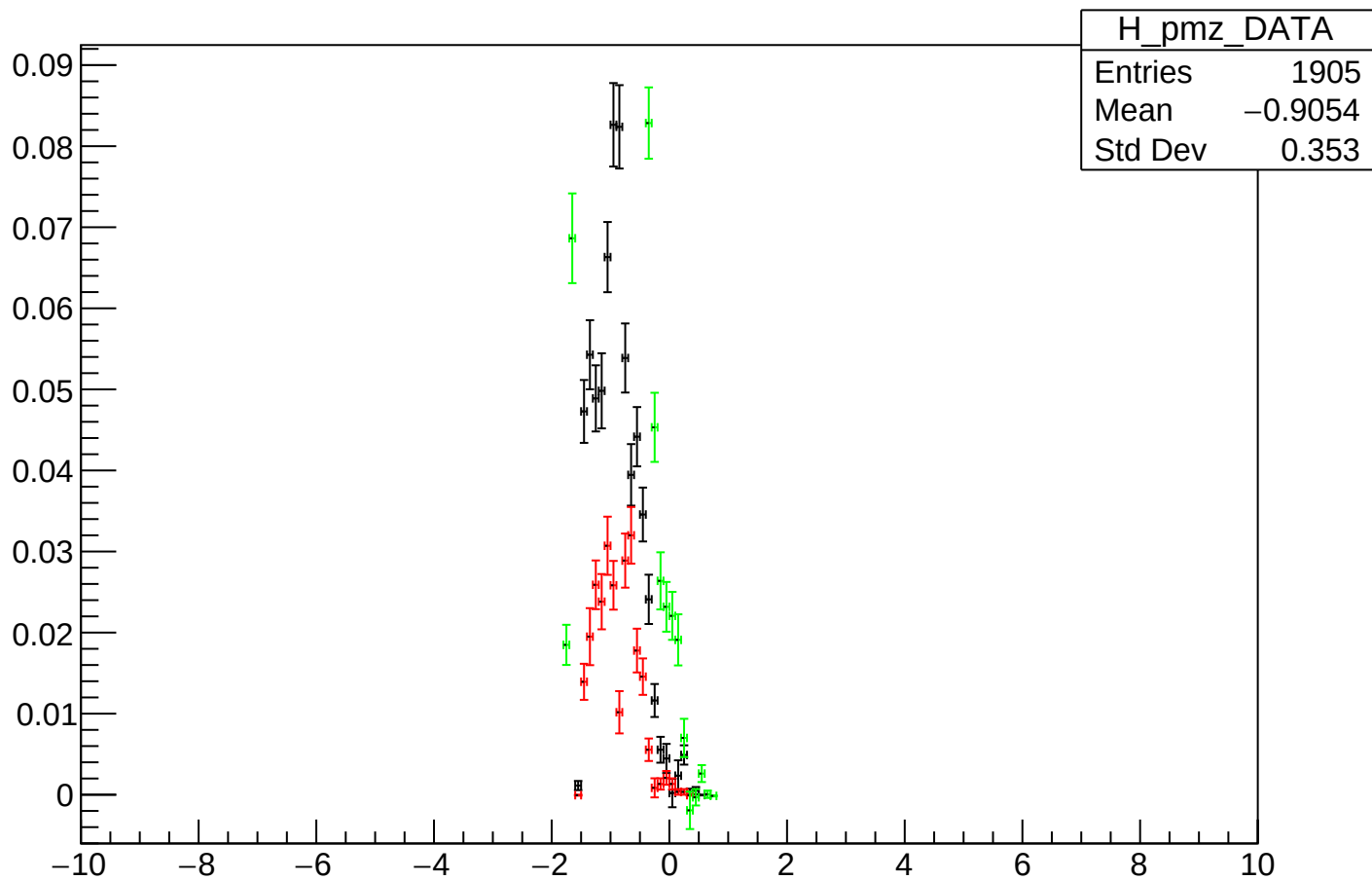
pmx

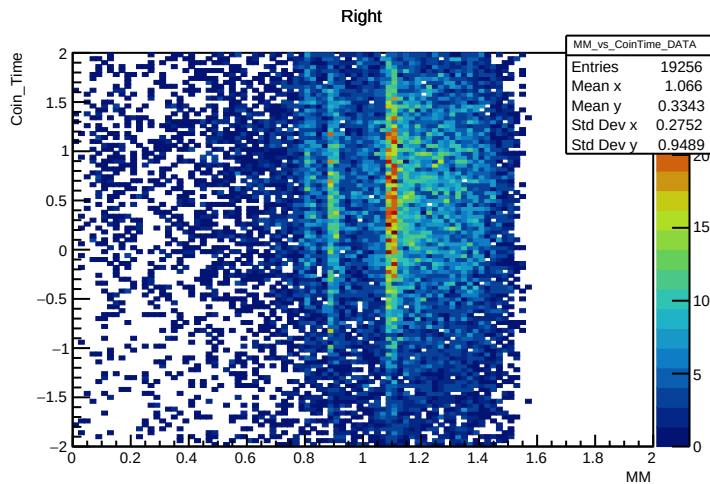
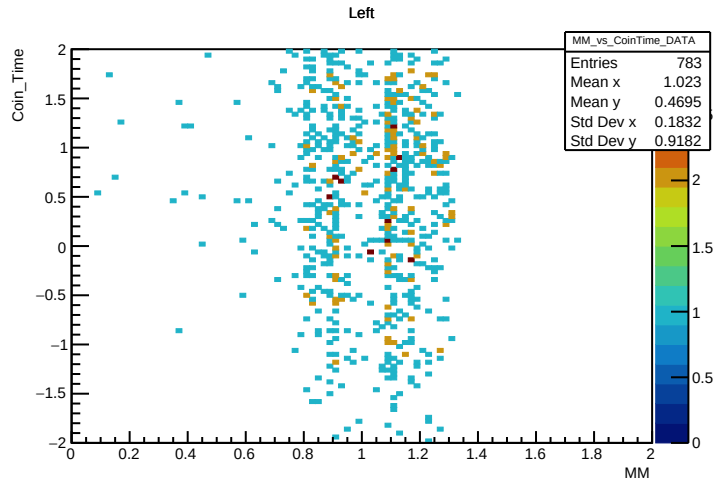
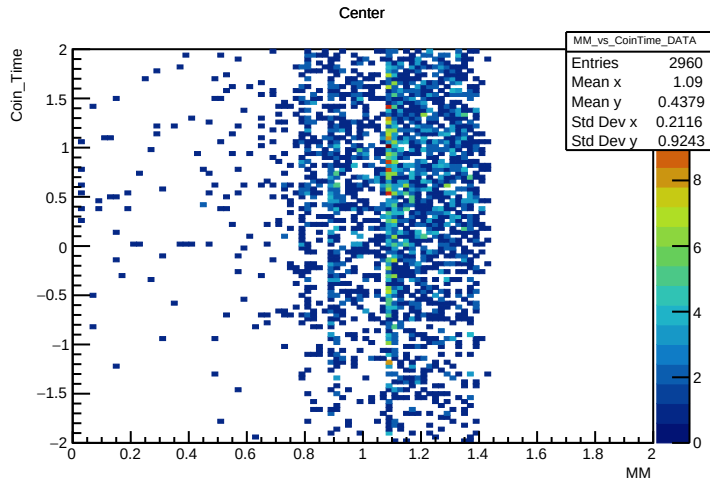


pmy

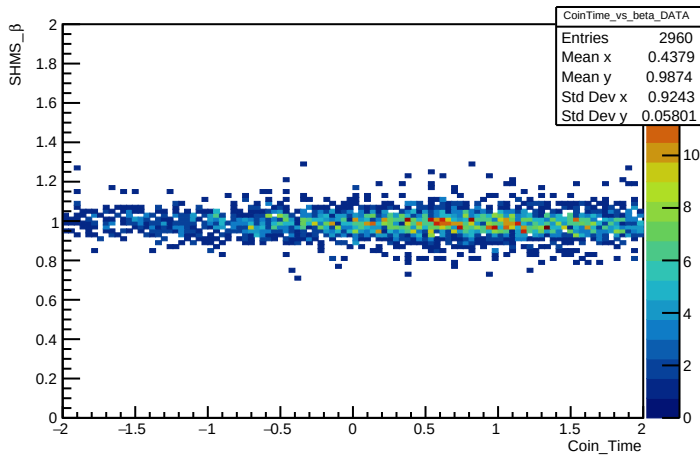


pmz

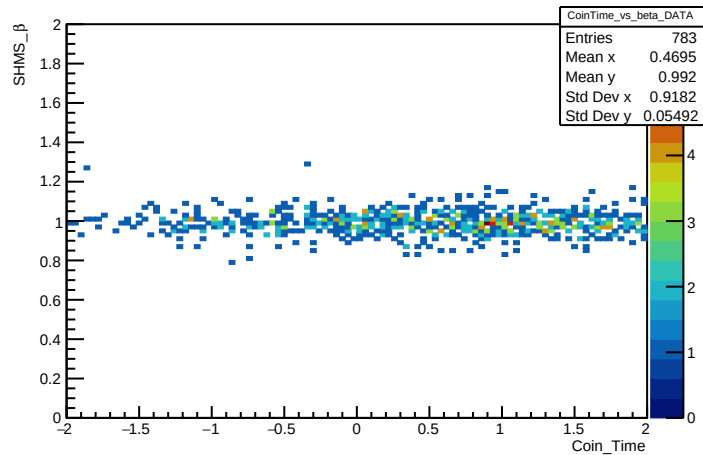




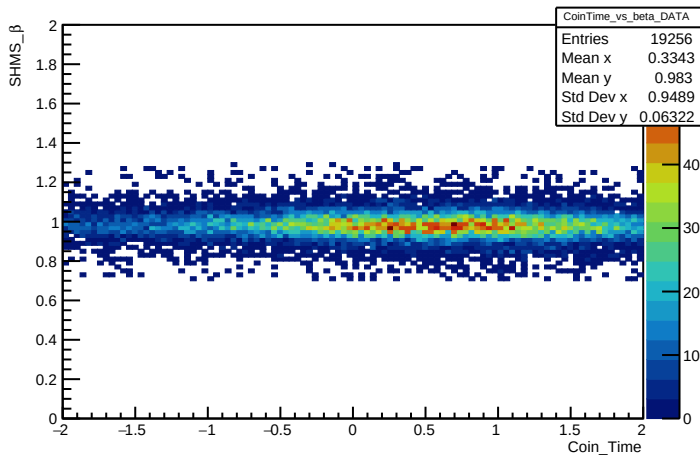
Center



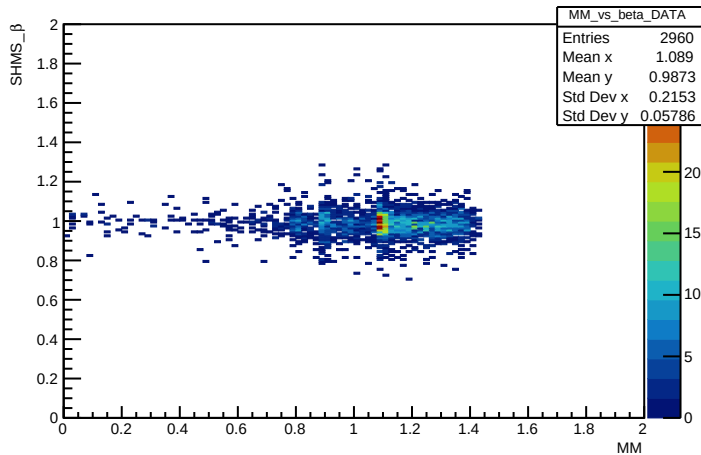
Left



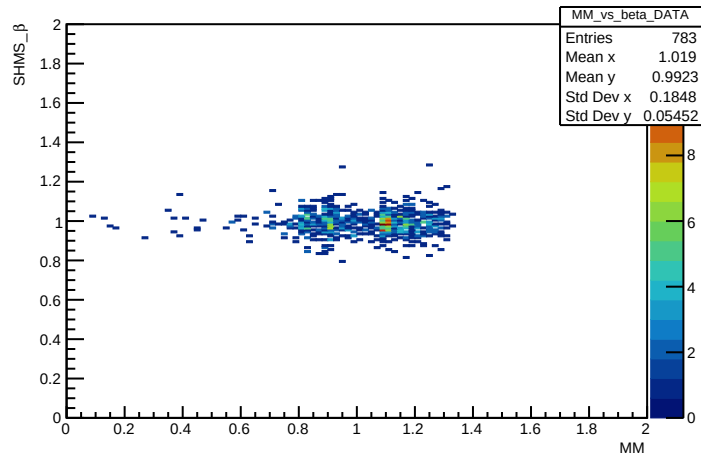
Right



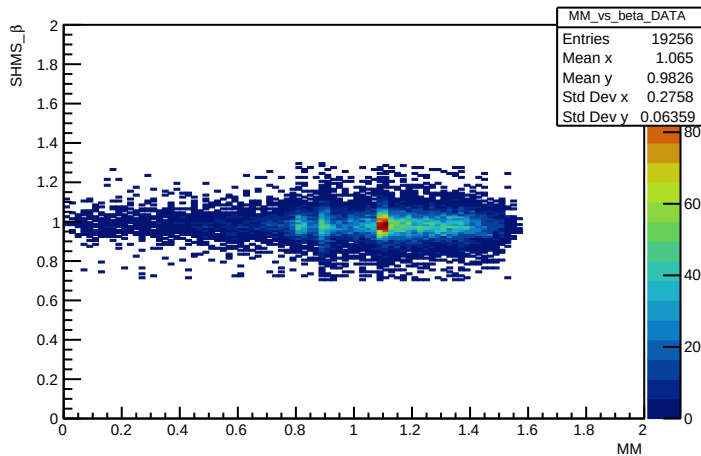
Center



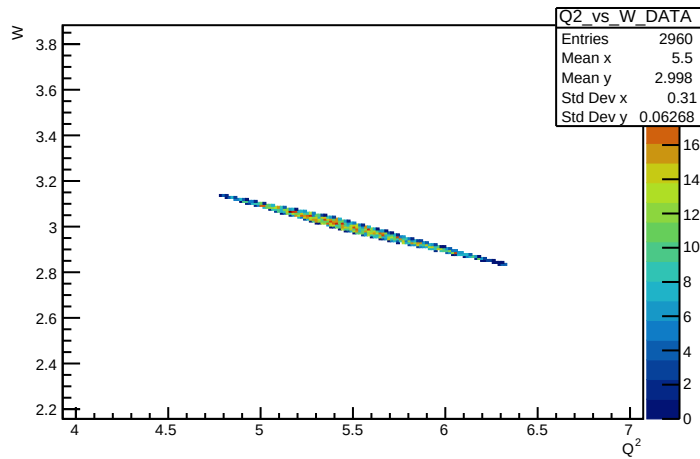
Left



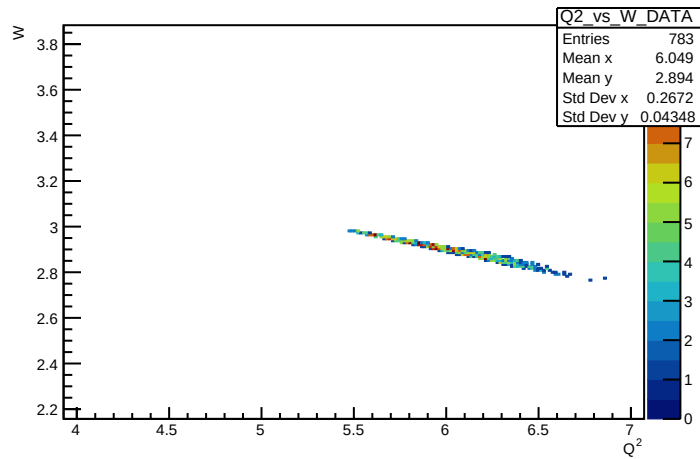
Right



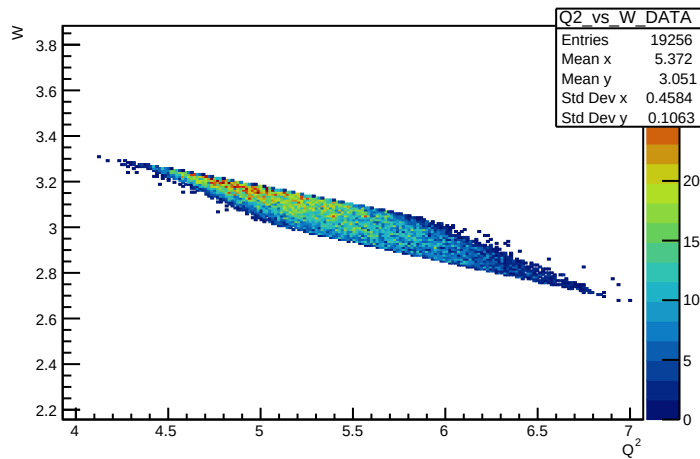
Center

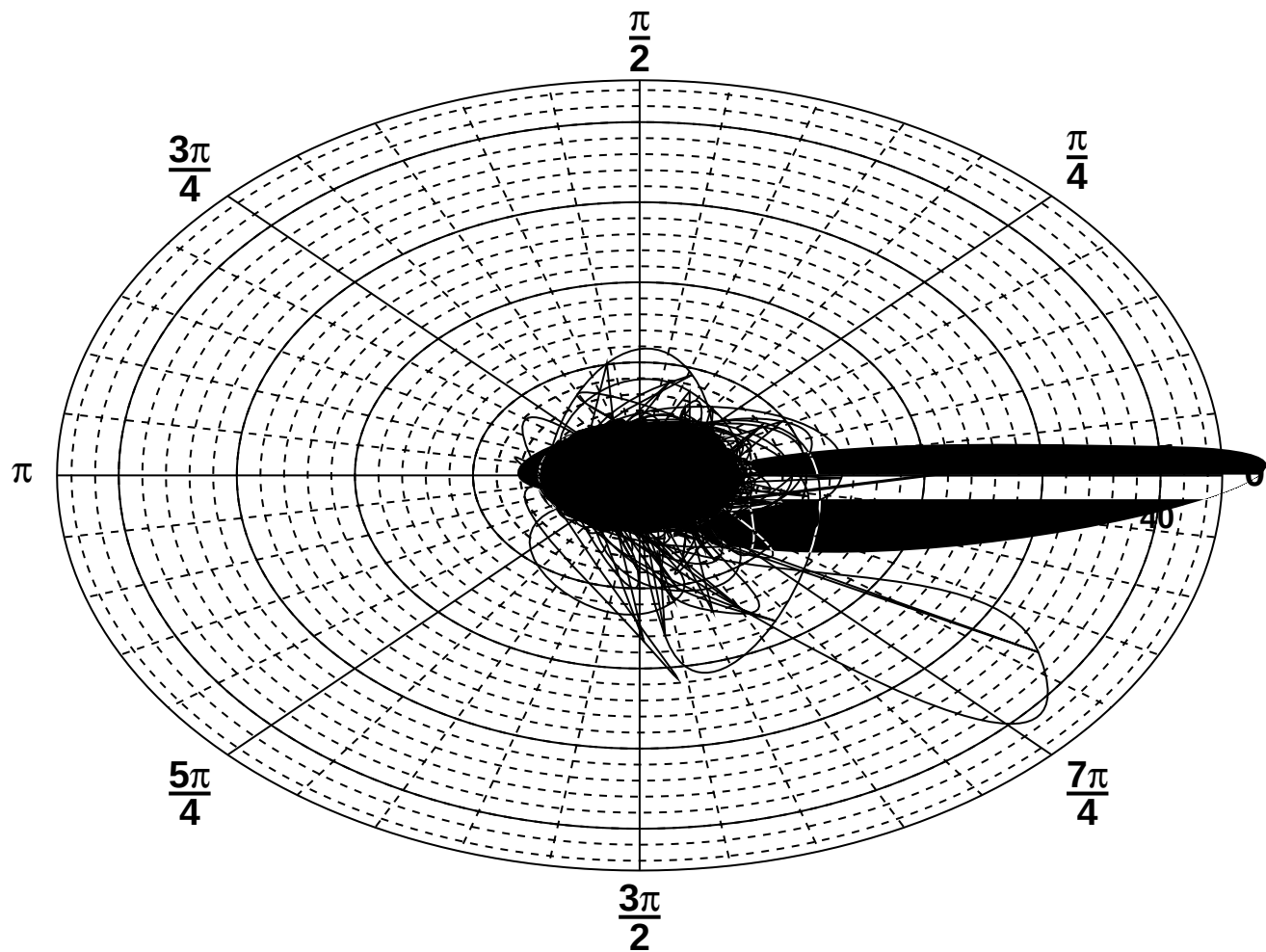


Left

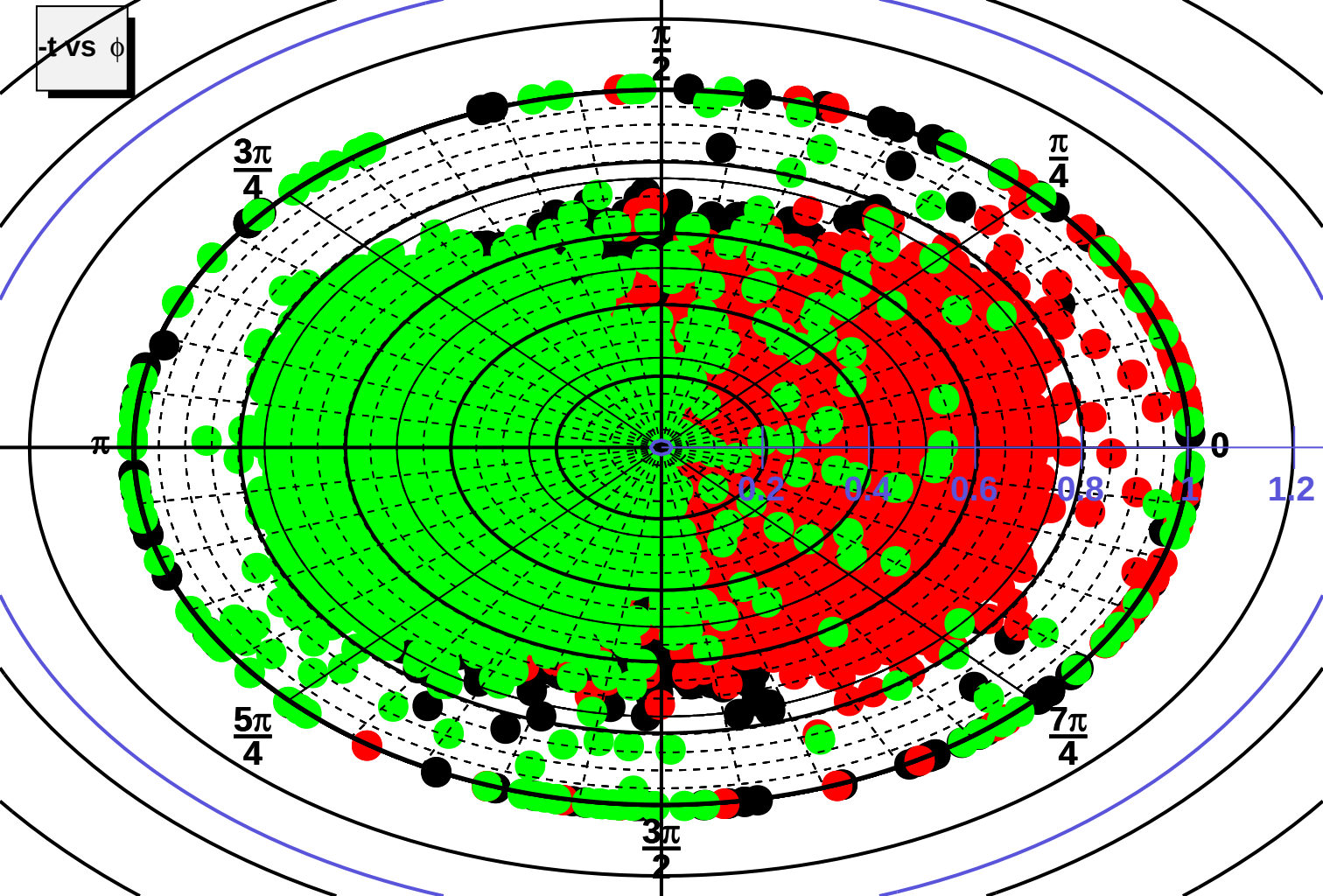


Right





t vs ϕ



"CTime_eKCoinTime_ROC1" : (CTime_eKCoinTime_ROC1 > ((0)-((4.008)/2.0)-(0.25))) Center
(CTime_eKCoinTime_ROC1 < ((0)+((4.008)/2.0)+(0.25)))
"P_RF_Dist" : (P_RF_Dist > (0.75))
(P_RF_Dist < (1.75))
"P_hod_goodstarttime" : (P_hod_goodstarttime == 1.0)
"H_hod_goodstarttime" : (H_hod_goodstarttime == 1.0)
"H_gtr_dp" : ((H_gtr_dp > -8)
(H_gtr_dp < 8))
"P_gtr_dp" : ((P_gtr_dp > -10)
(P_gtr_dp < 20))
"P_gtr_beta" : ((abs(P_gtr_beta-1)) < 0.3)
"P_hgcer_npeSum" : (P_hgcer_npeSum < 1.5)
"P_aero_npeSum" : (P_aero_npeSum > 1.5)
"H_cal_etottracknorm" : (H_cal_etottracknorm > 0.7)
"P_cal_etottracknorm" : (P_cal_etottracknorm >= 0.0)

```
"CTime_eKCoinTime_ROC1" : (CTime_eKCoinTime_ROC1 > ((0)-((4.008)/2.0)-(0.25)))      Left
(CTime_eKCoinTime_ROC1 < ((0)+((4.008)/2.0)+(0.25)))
"P_RF_Dist" : (P_RF_Dist > (0.75) )
(P_RF_Dist < (1.75) )
"P_hod_goodstarttime" : (P_hod_goodstarttime == 1.0)
"H_hod_goodstarttime" : (H_hod_goodstarttime == 1.0)
"H_gtr_dp" : ((H_gtr_dp > -8)
(H_gtr_dp < 8))
"P_gtr_dp" : ((P_gtr_dp > -10)
(P_gtr_dp < 20))
"P_gtr_beta" : ((abs(P_gtr_beta-1)) < 0.3)
"P_hgcer_npeSum" : (P_hgcer_npeSum < 1.5)
"P_aero_npeSum" : (P_aero_npeSum > 1.5)
"H_cal_etottracknorm" : (H_cal_etottracknorm > 0.7)
"P_cal_etottracknorm" : (P_cal_etottracknorm >= 0.0)
```

```
"CTime_eKCoinTime_ROC1" : (CTime_eKCoinTime_ROC1 > ((0)-((4.008)/2.0)-(0.25)))      Right
(CTime_eKCoinTime_ROC1 < ((0)+((4.008)/2.0)+(0.25)))
"P_RF_Dist" : (P_RF_Dist > (0.75) )
(P_RF_Dist < (1.75) )
"P_hod_goodstarttime" : (P_hod_goodstarttime == 1.0)
"H_hod_goodstarttime" : (H_hod_goodstarttime == 1.0)
"H_gtr_dp" : ((H_gtr_dp > -8)
(H_gtr_dp < 8))
"P_gtr_dp" : ((P_gtr_dp > -10)
(P_gtr_dp < 20))
"P_gtr_beta" : ((abs(P_gtr_beta-1)) < 0.3)
"P_hgcer_npeSum" : (P_hgcer_npeSum < 1.5)
"P_aero_npeSum" : (P_aero_npeSum > 1.5)
"H_cal_etottracknorm" : (H_cal_etottracknorm > 0.7)
"P_cal_etottracknorm" : (P_cal_etottracknorm >= 0.0)
```