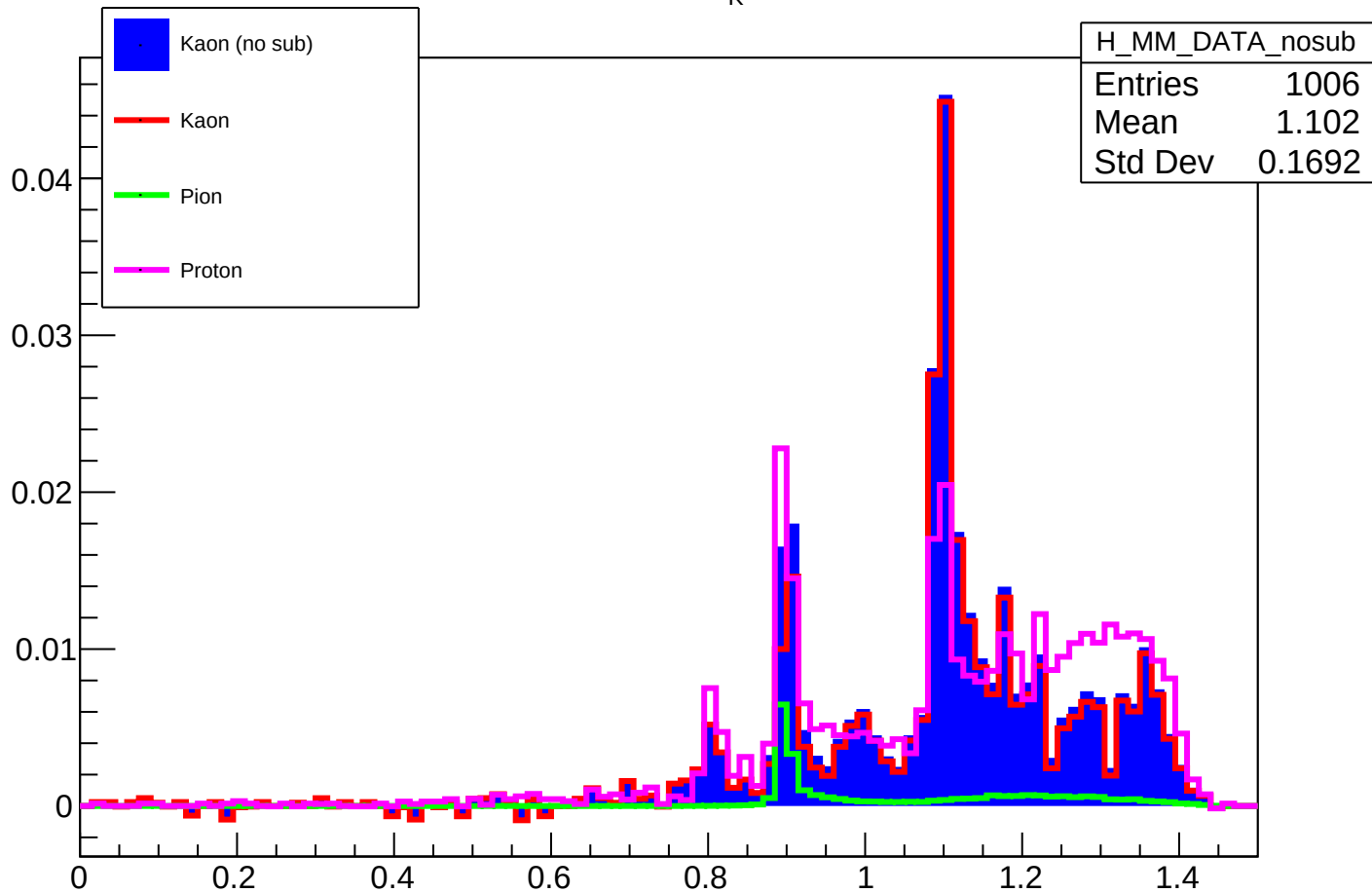
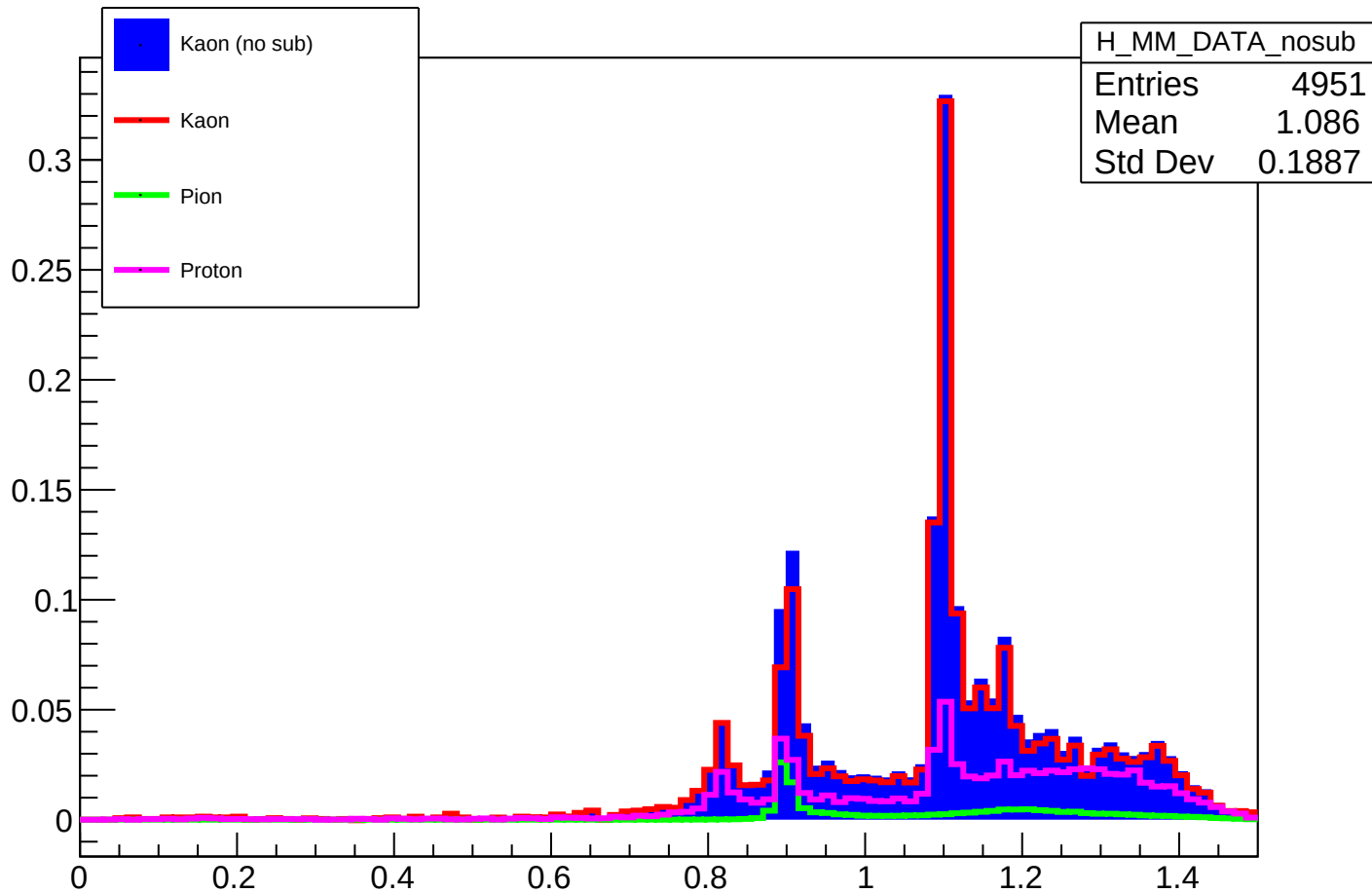


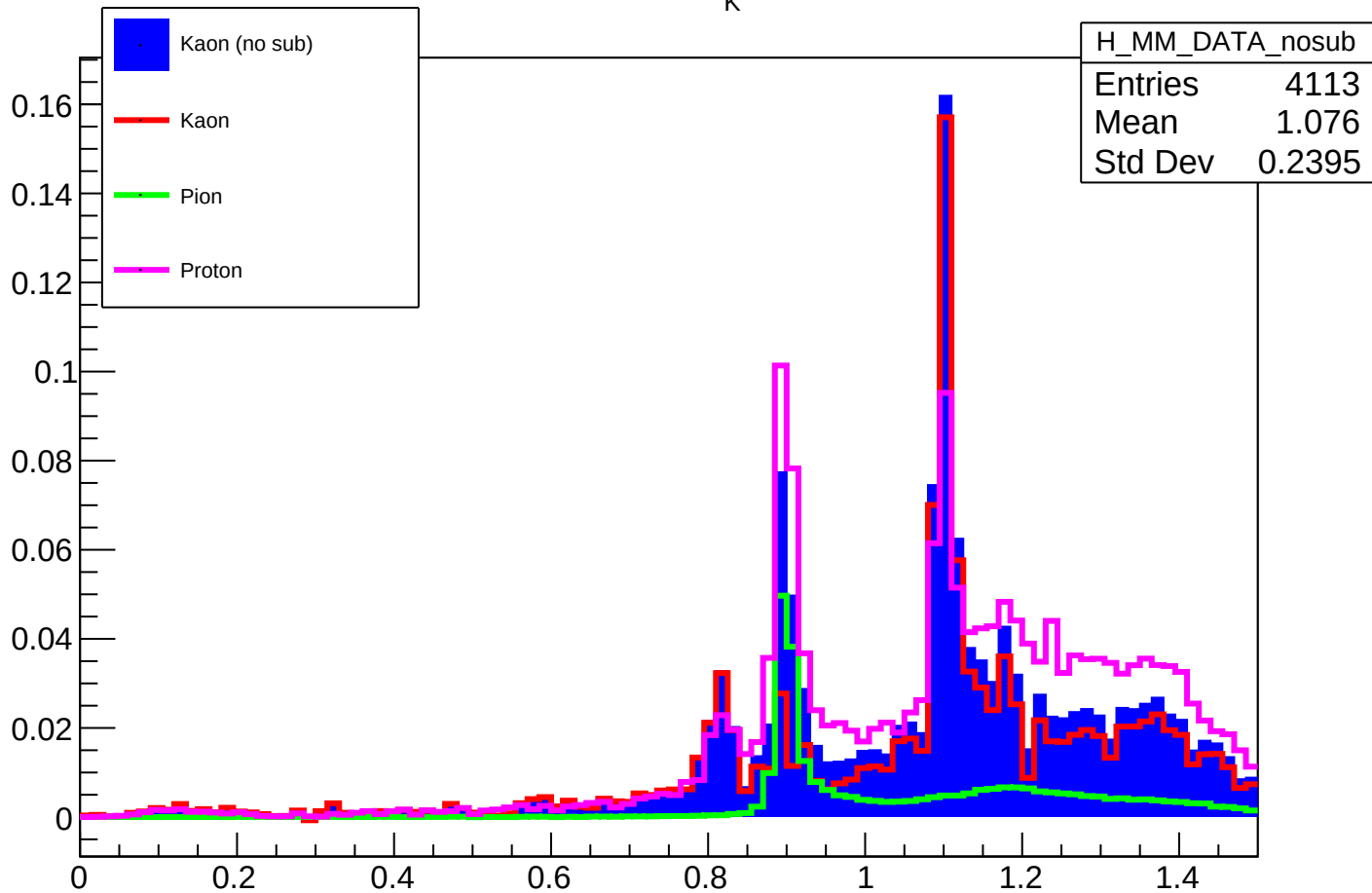
Center  $M_K$



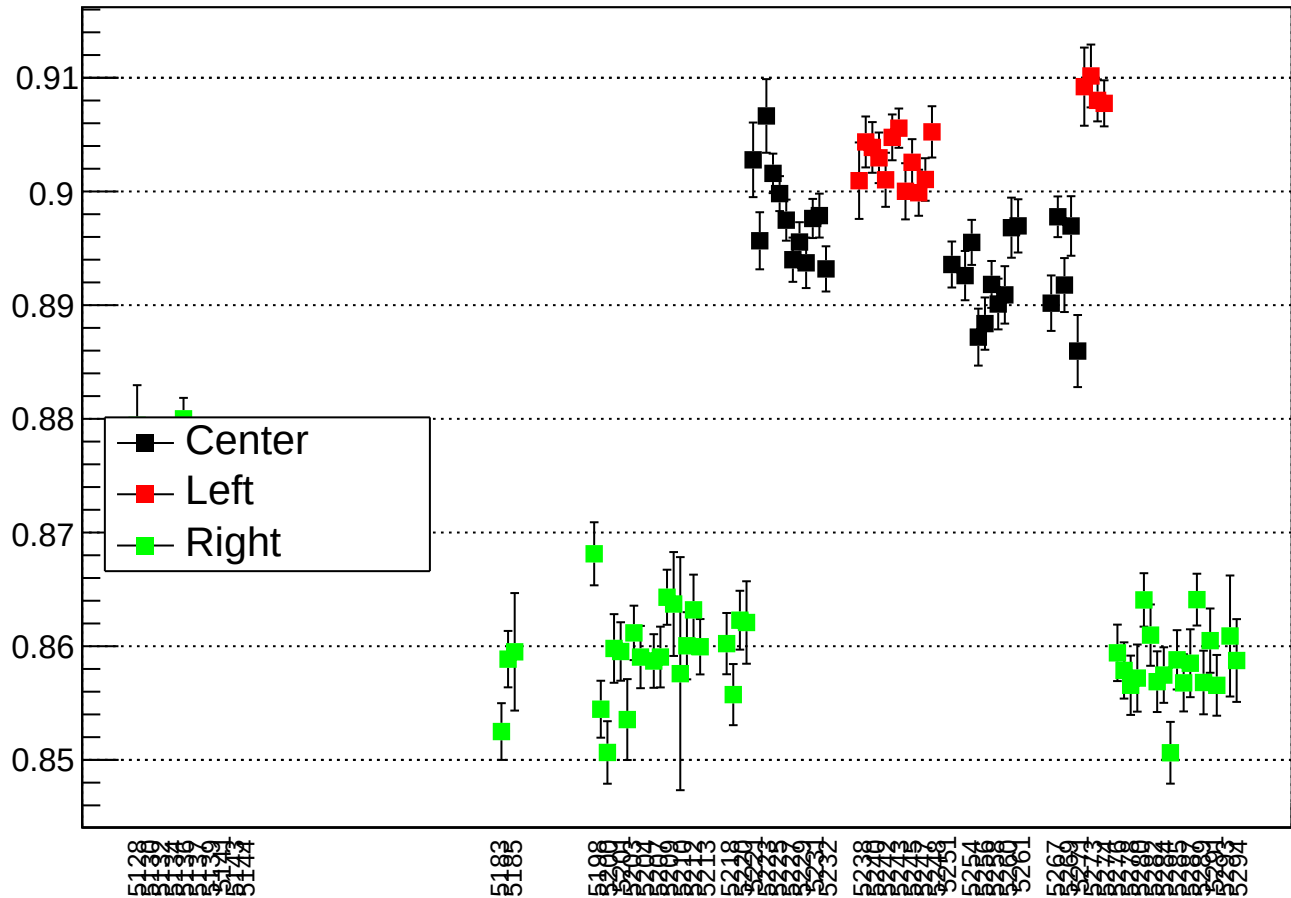
Left  $M_K$



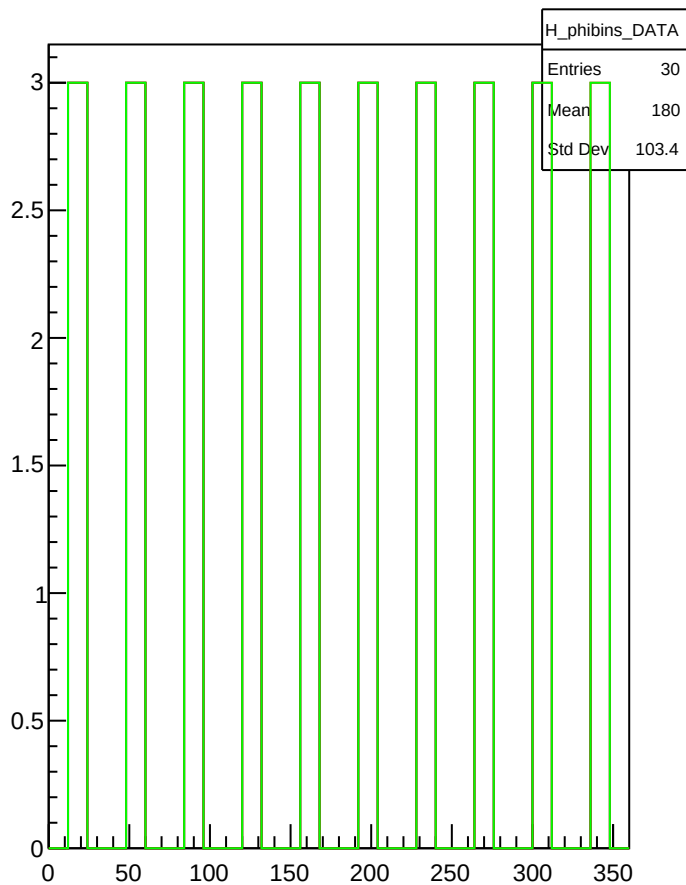
Right  $M_K$



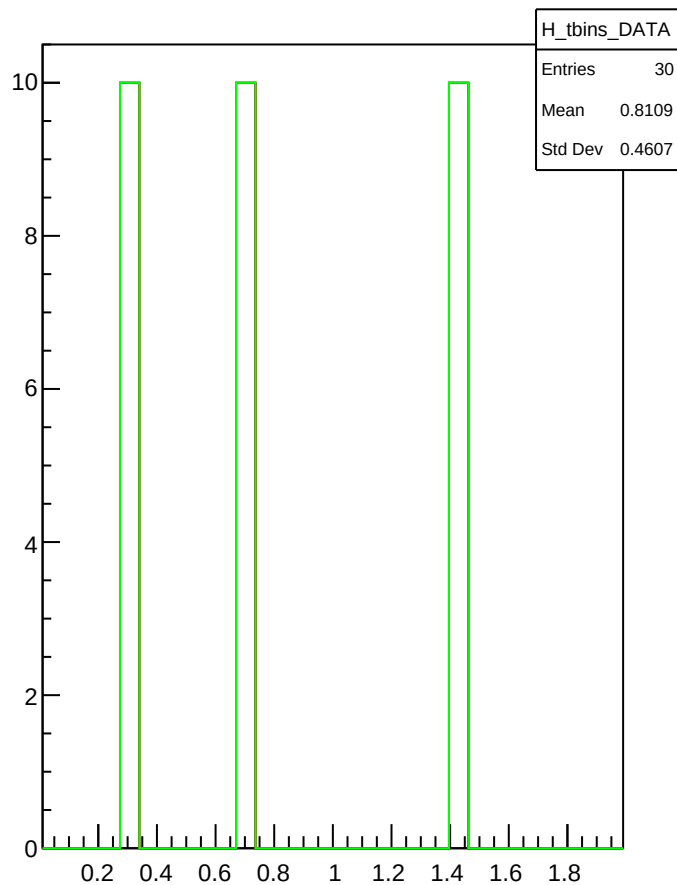
Total Efficiency



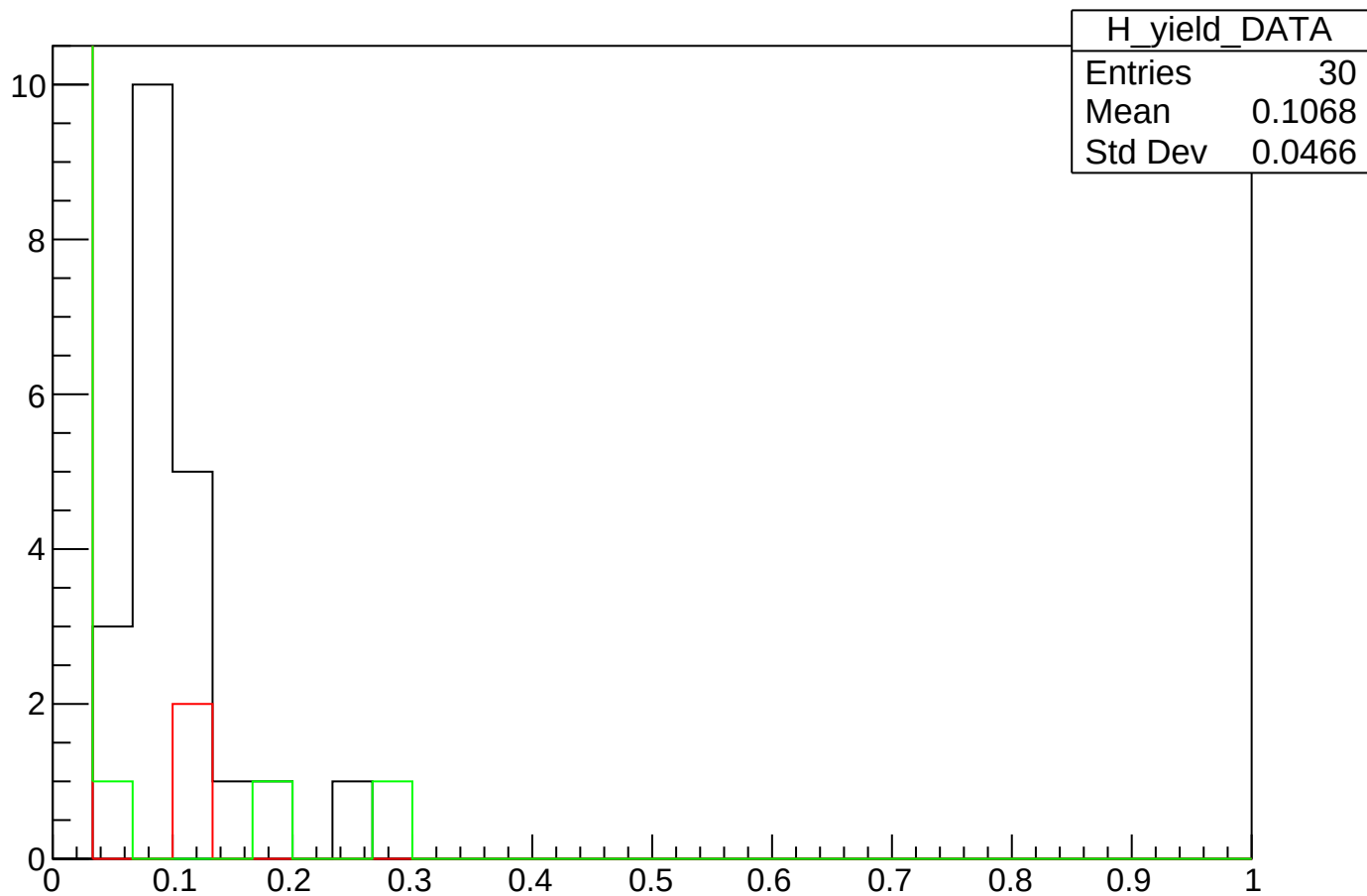
Phi Bins



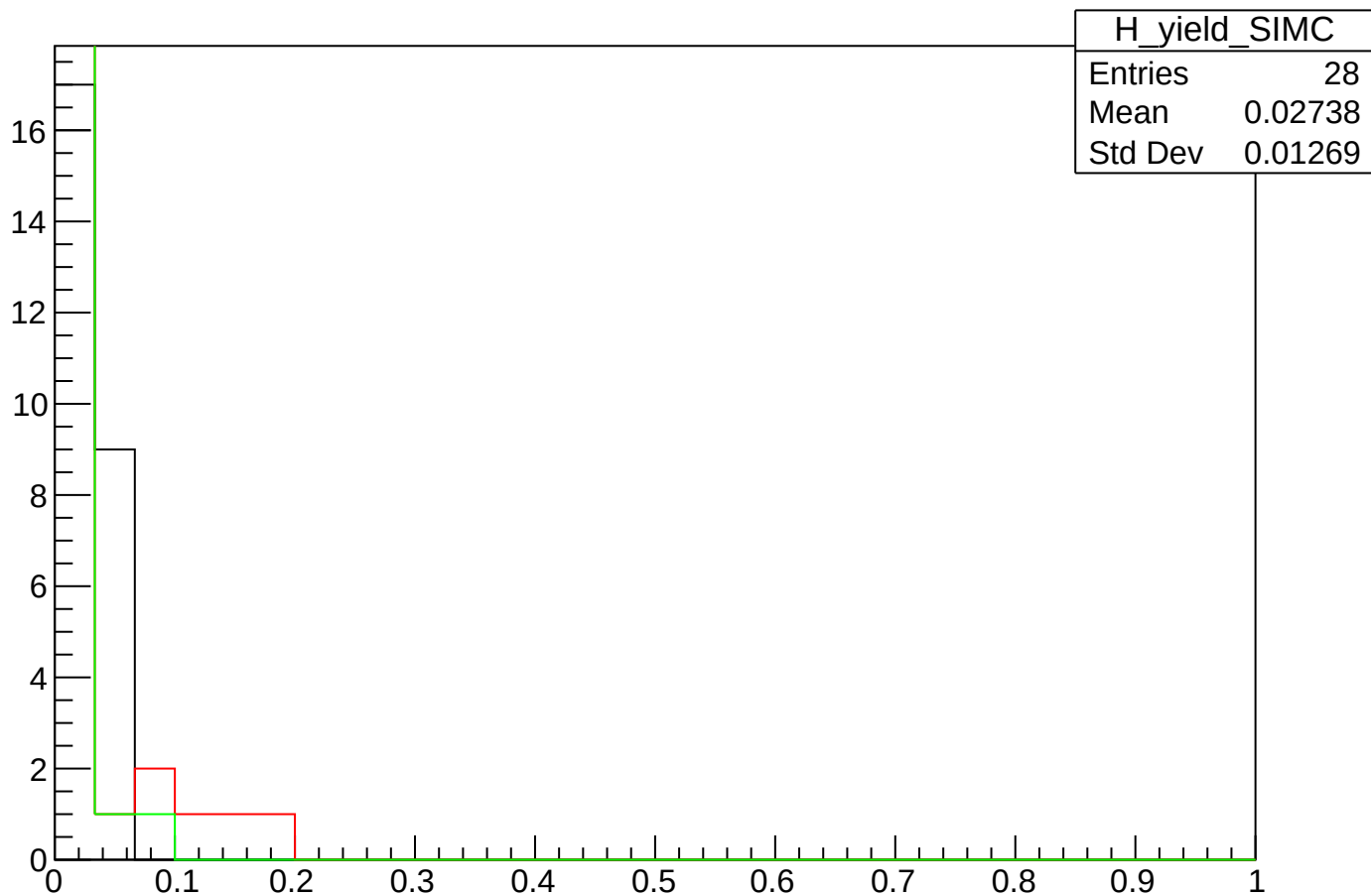
t Bins



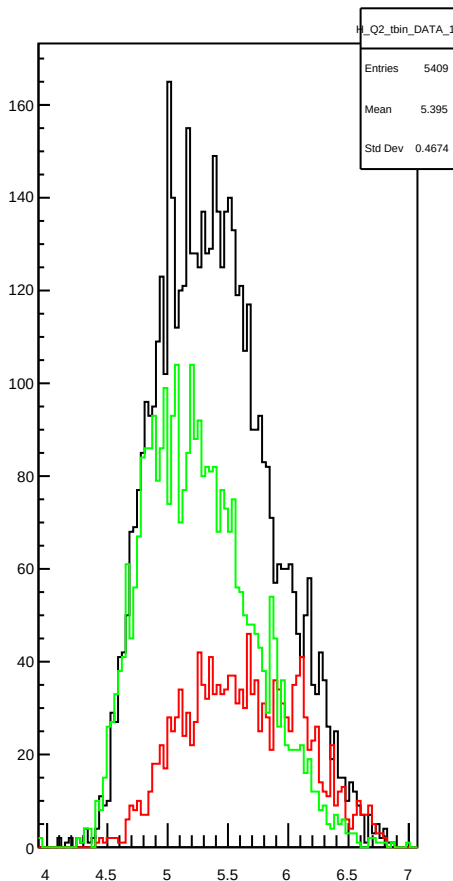
Data Yield



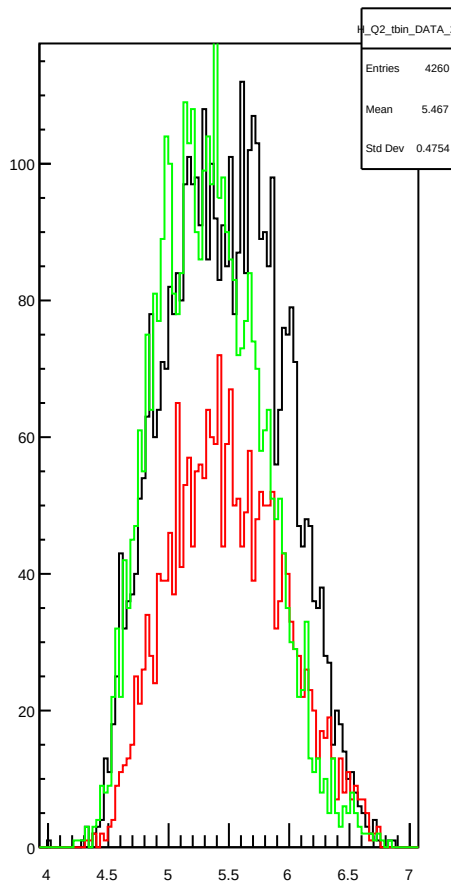
Simg Yield



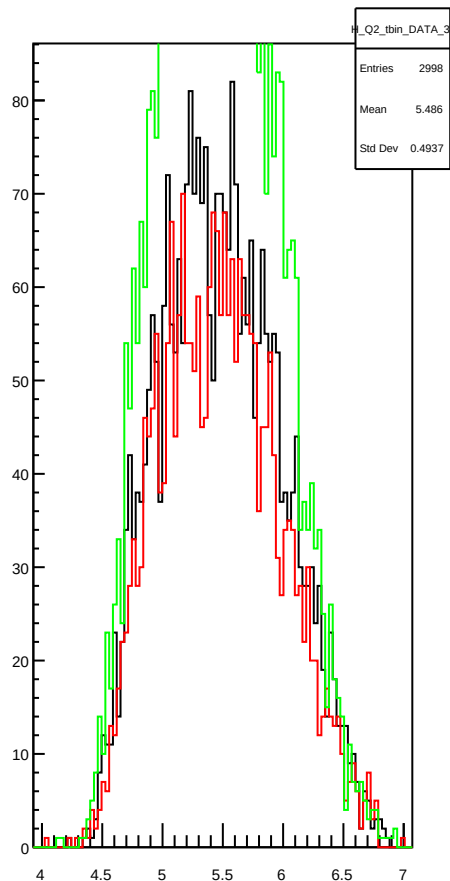
Q2 (t bin 1)



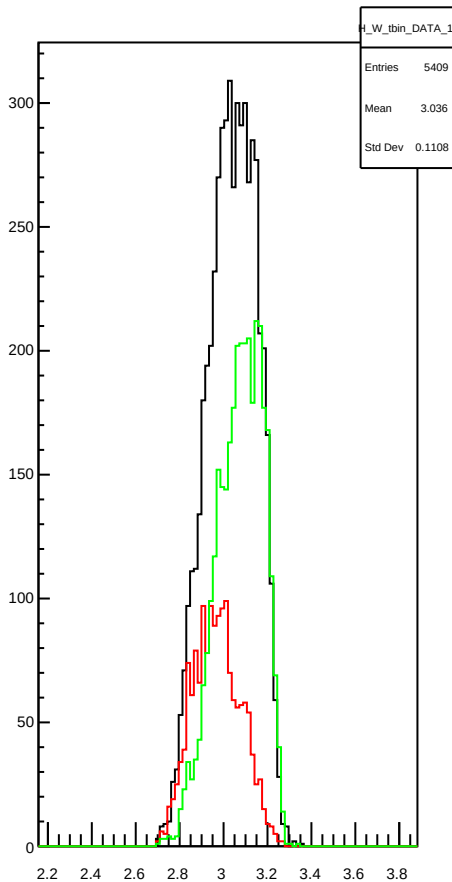
Q2 (t bin 2)



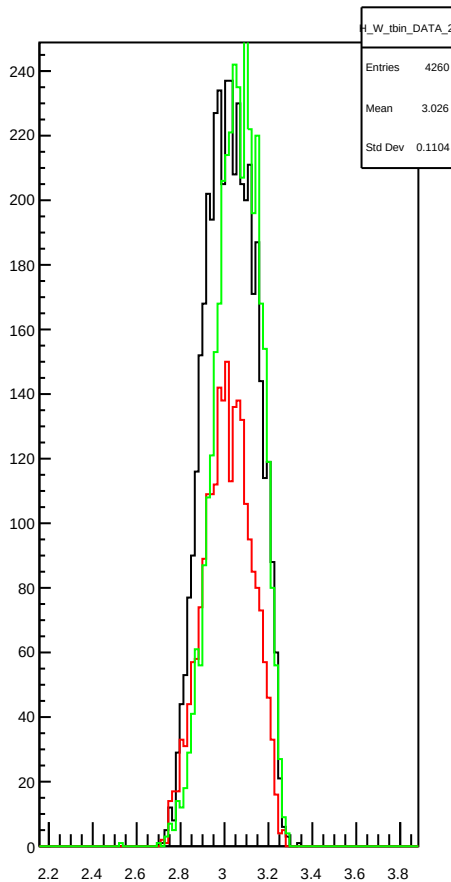
Q2 (t bin 3)



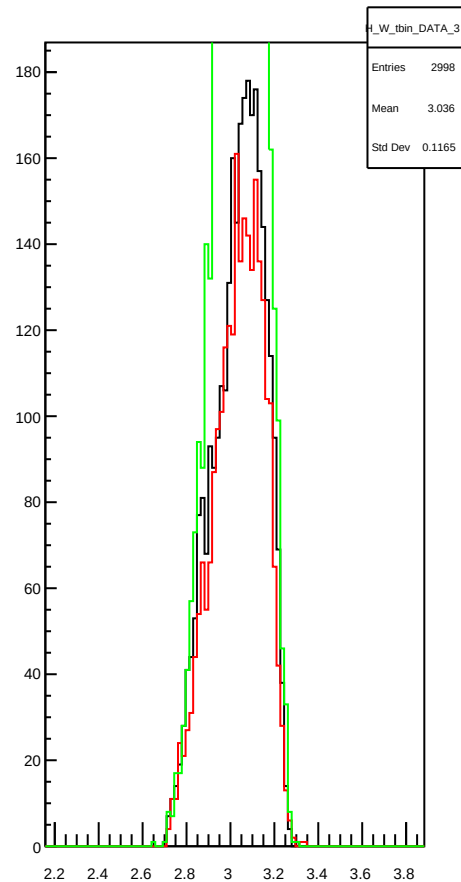
W (t bin 1)



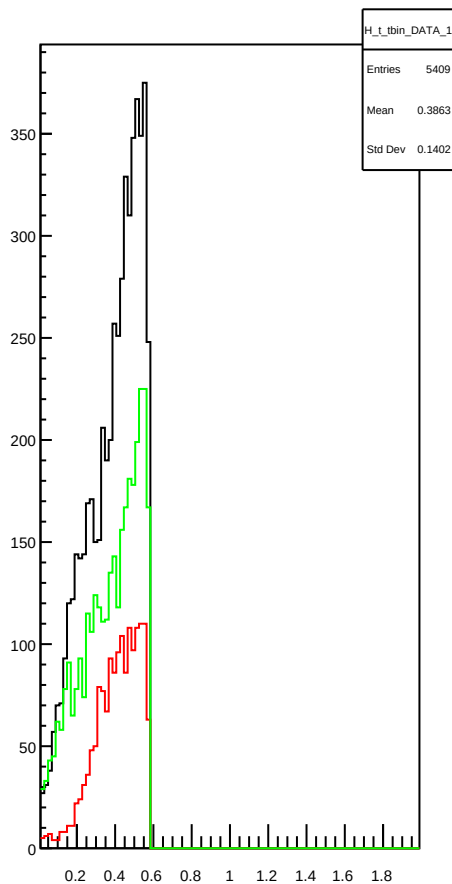
W (t bin 2)



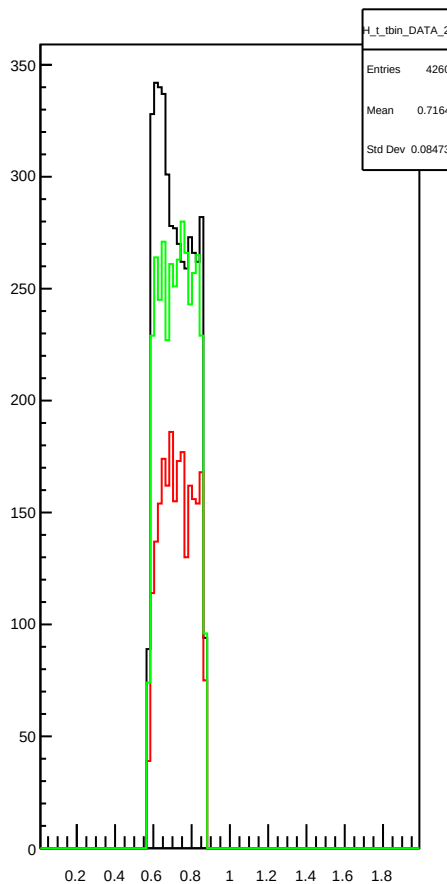
W (t bin 3)



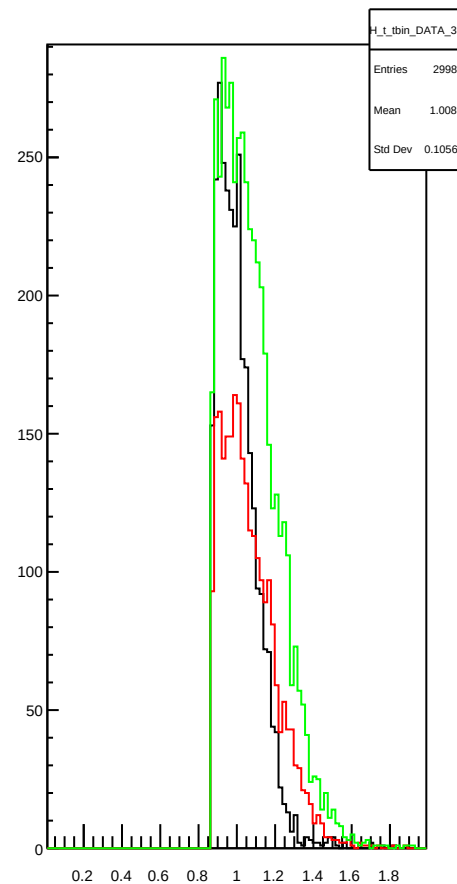
t (t bin 1)



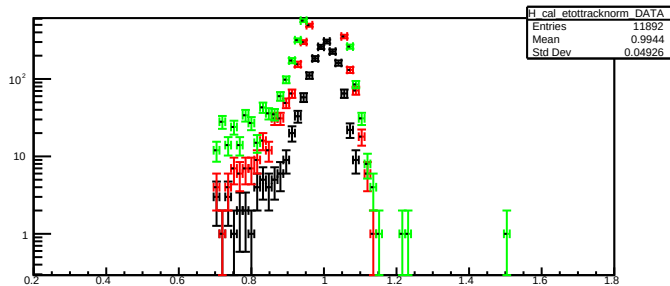
t (t bin 2)



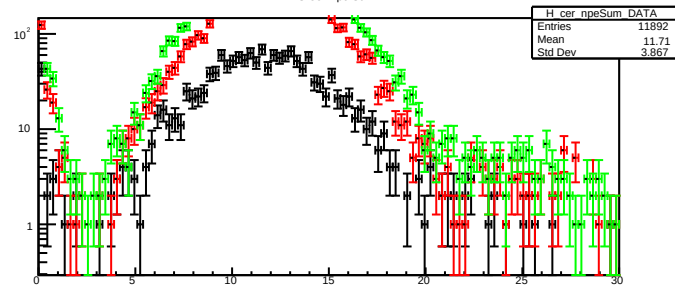
t (t bin 3)



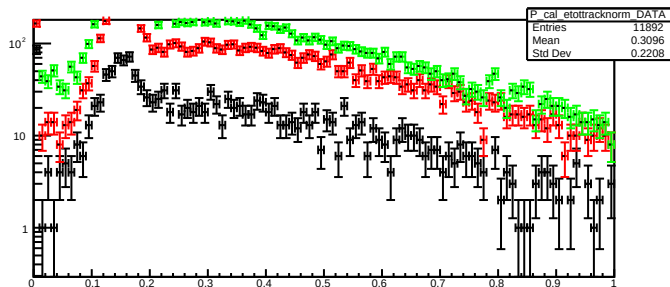
HMS Cal etotracknorm



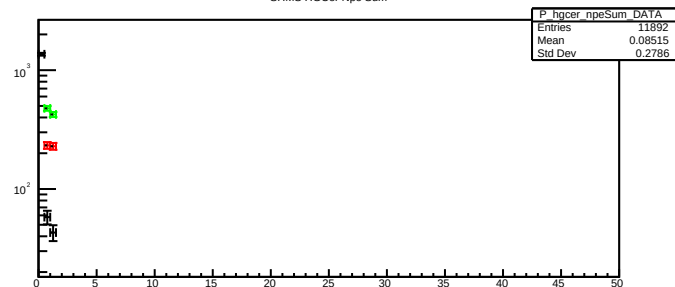
HMS Cer Npe Sum



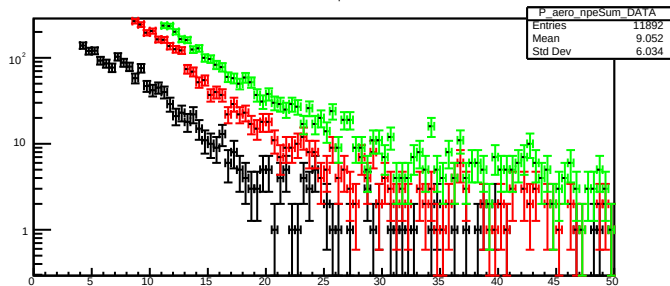
SHMS Cal etotracknorm



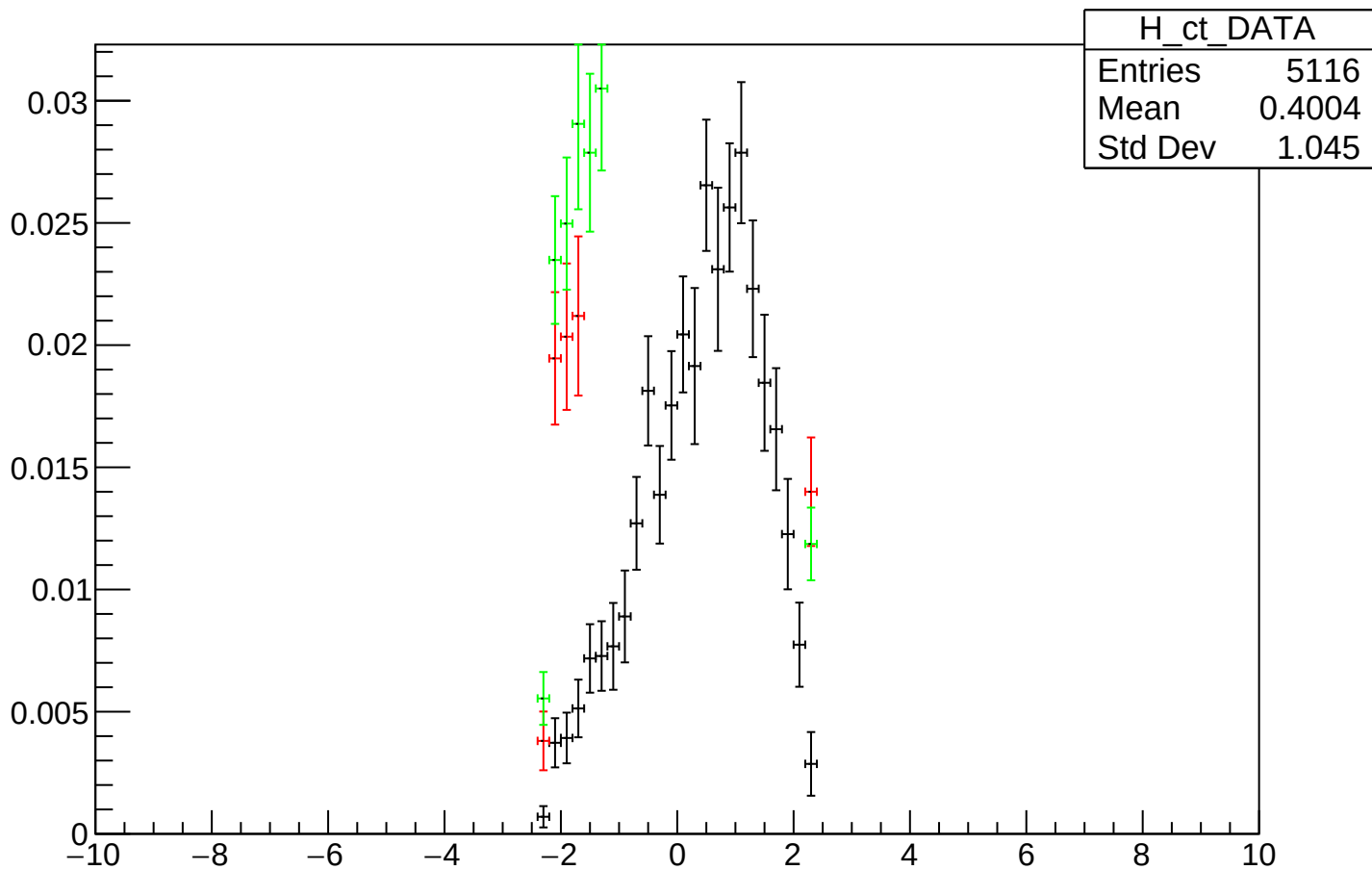
SHMS HG Cer Npe Sum



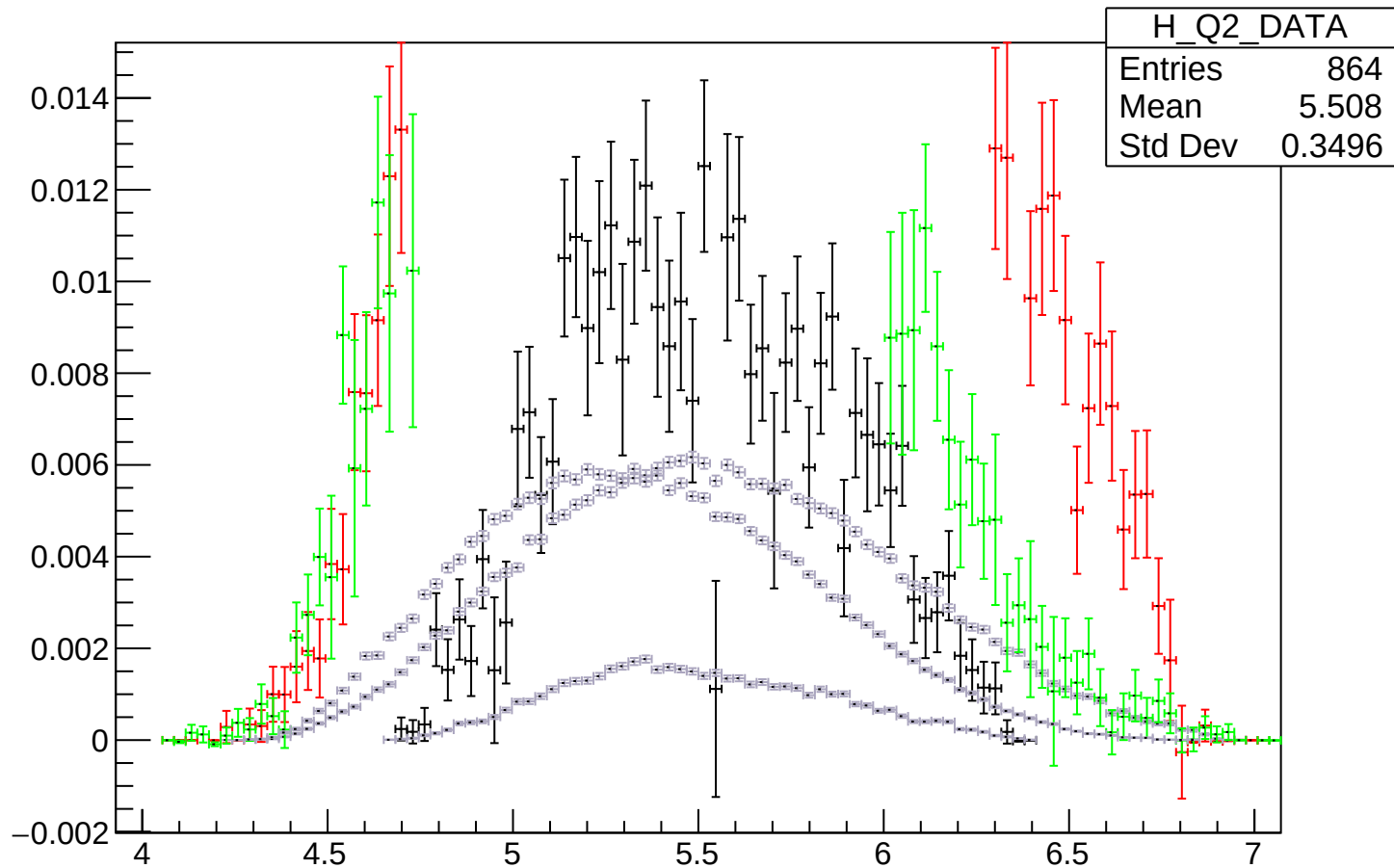
SHMS Aero Npe Sum



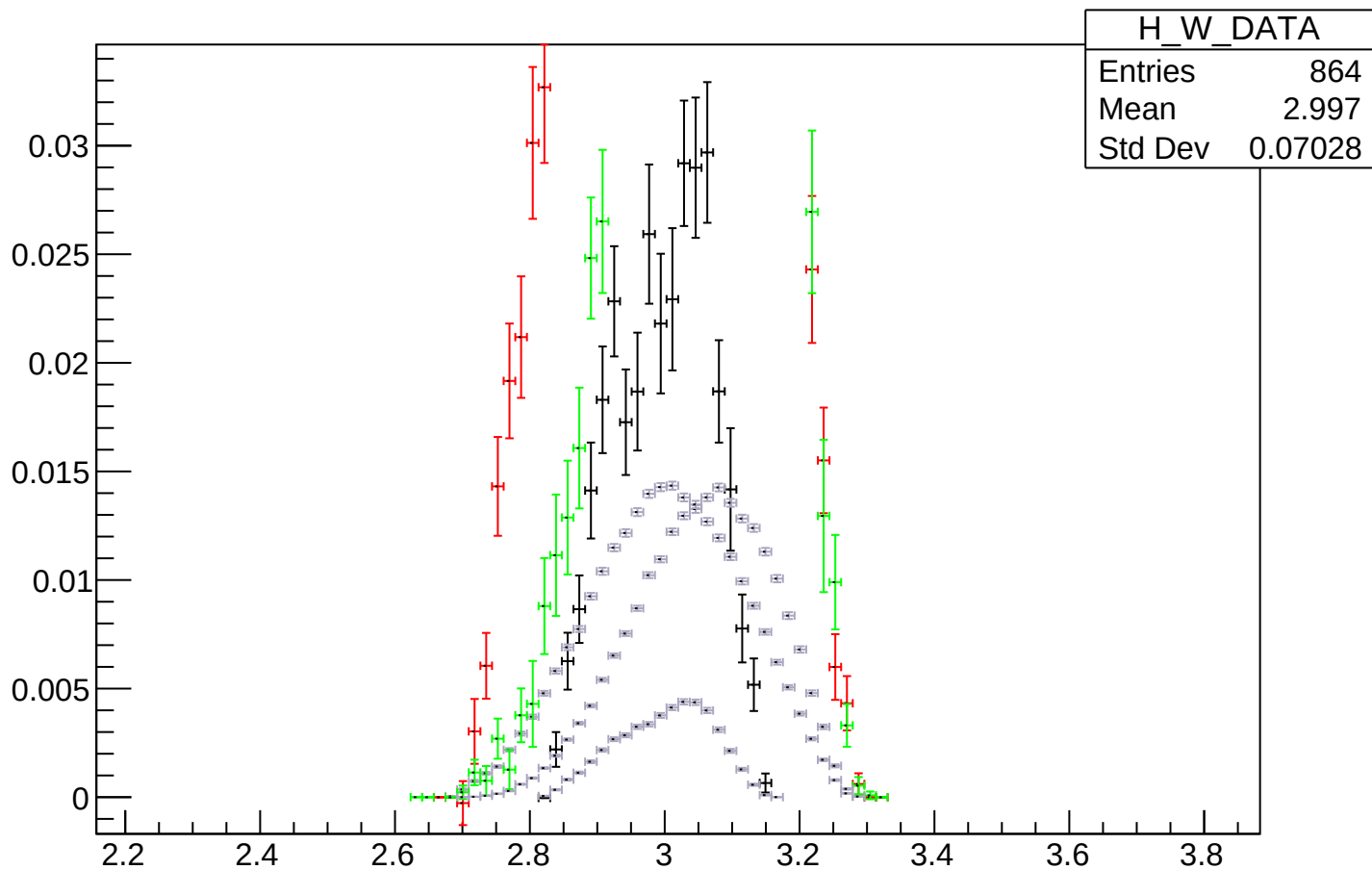
Electron-Kaon CTime



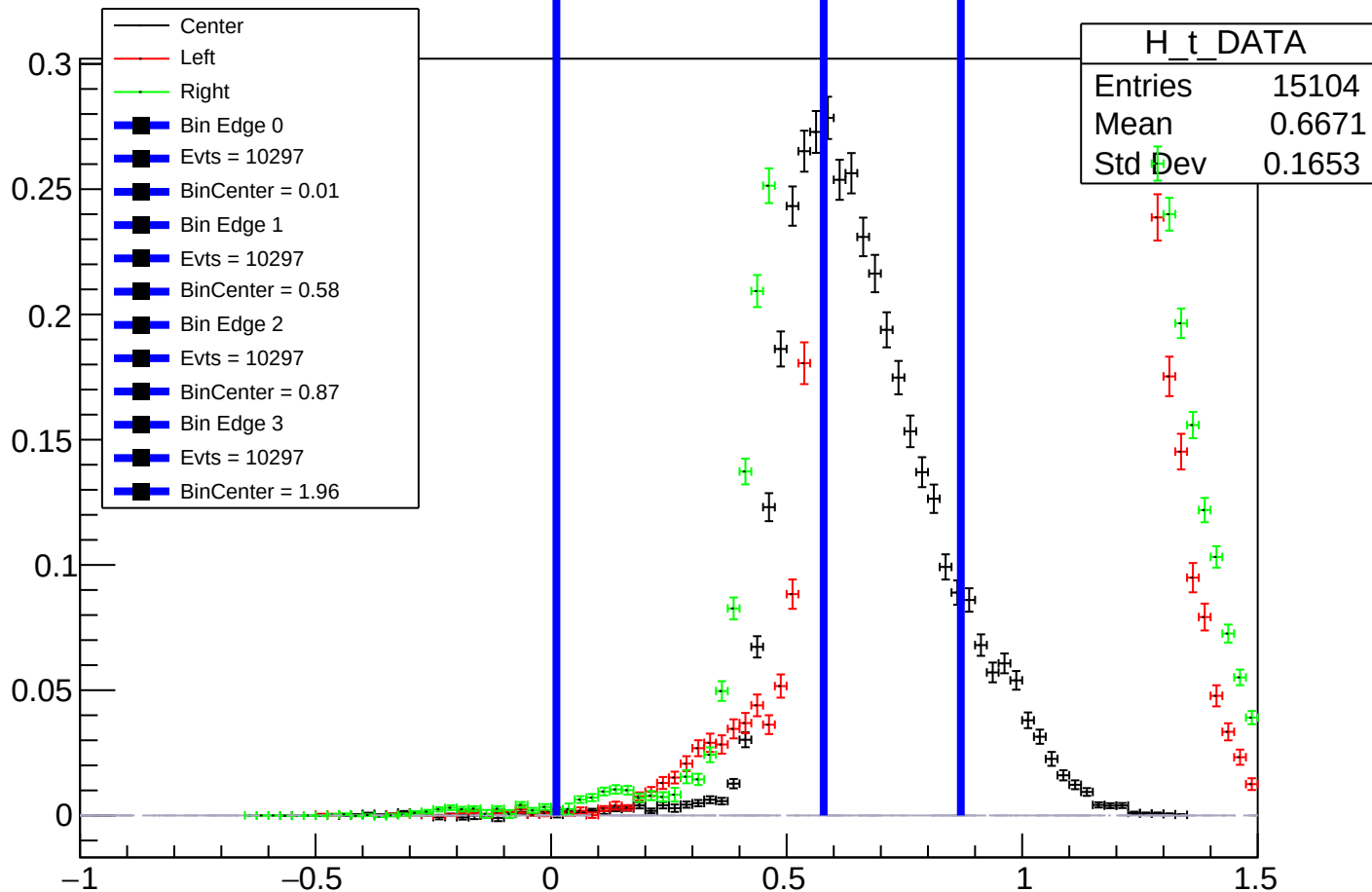
Q2



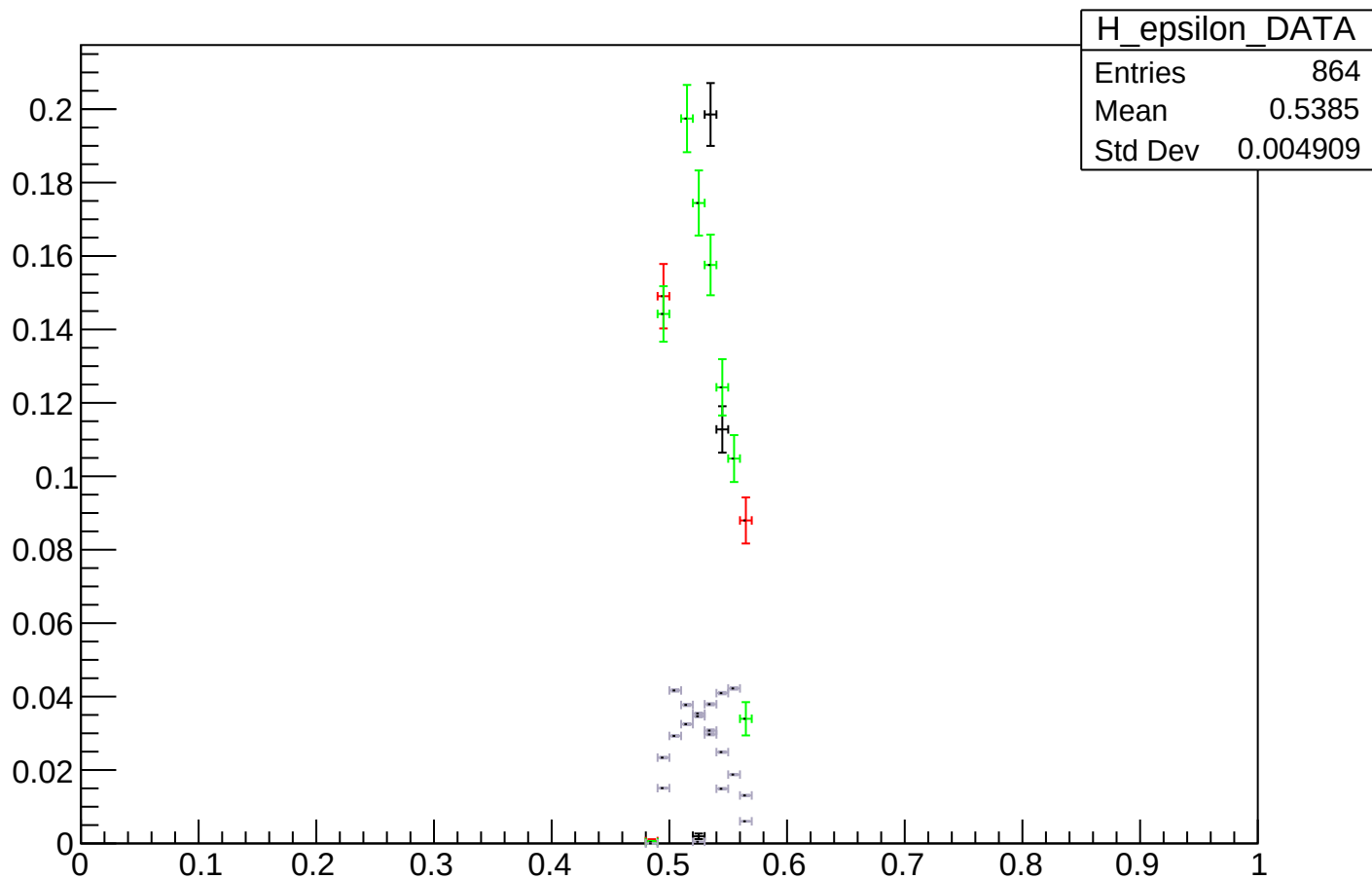
W

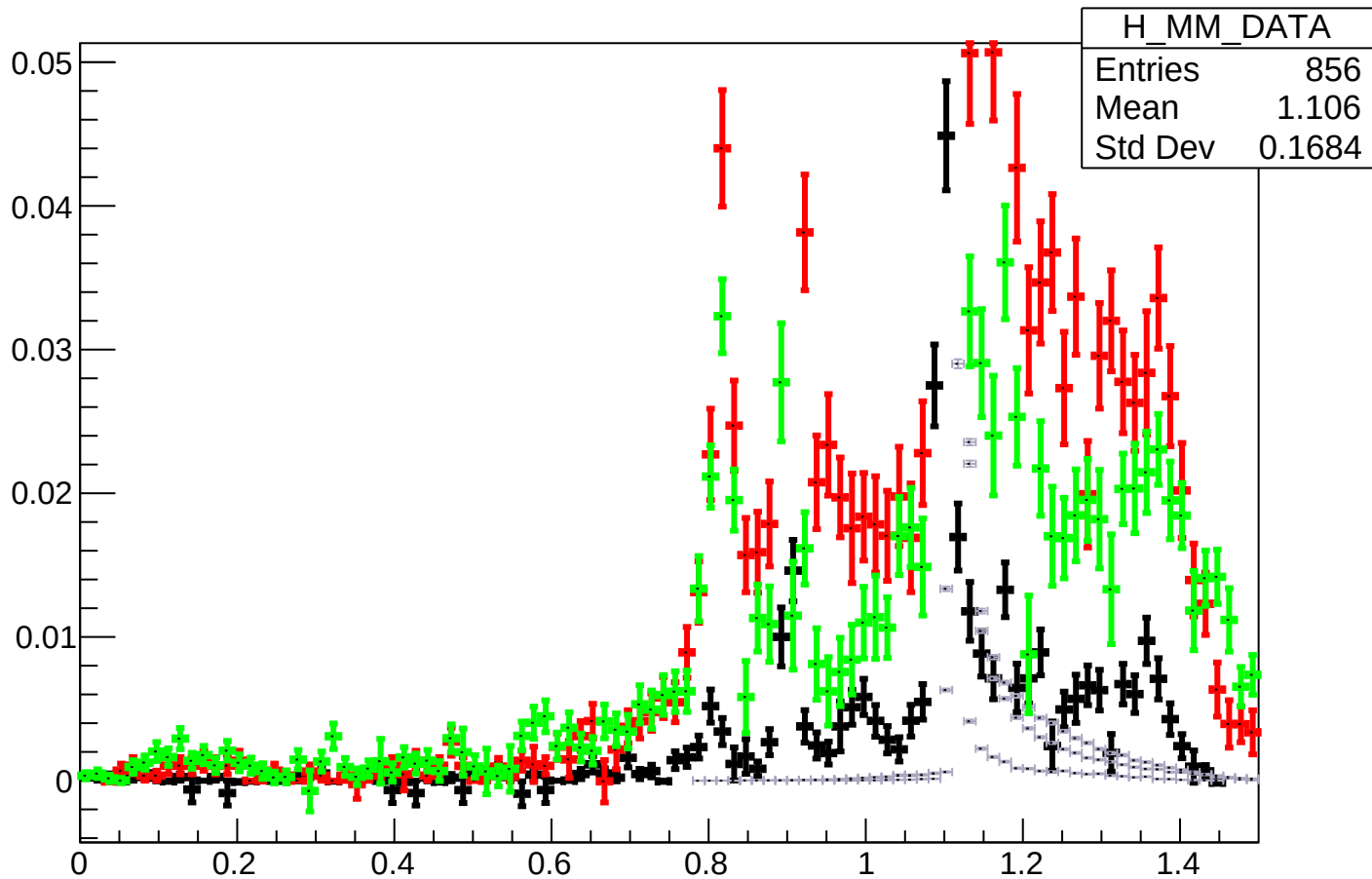


-t

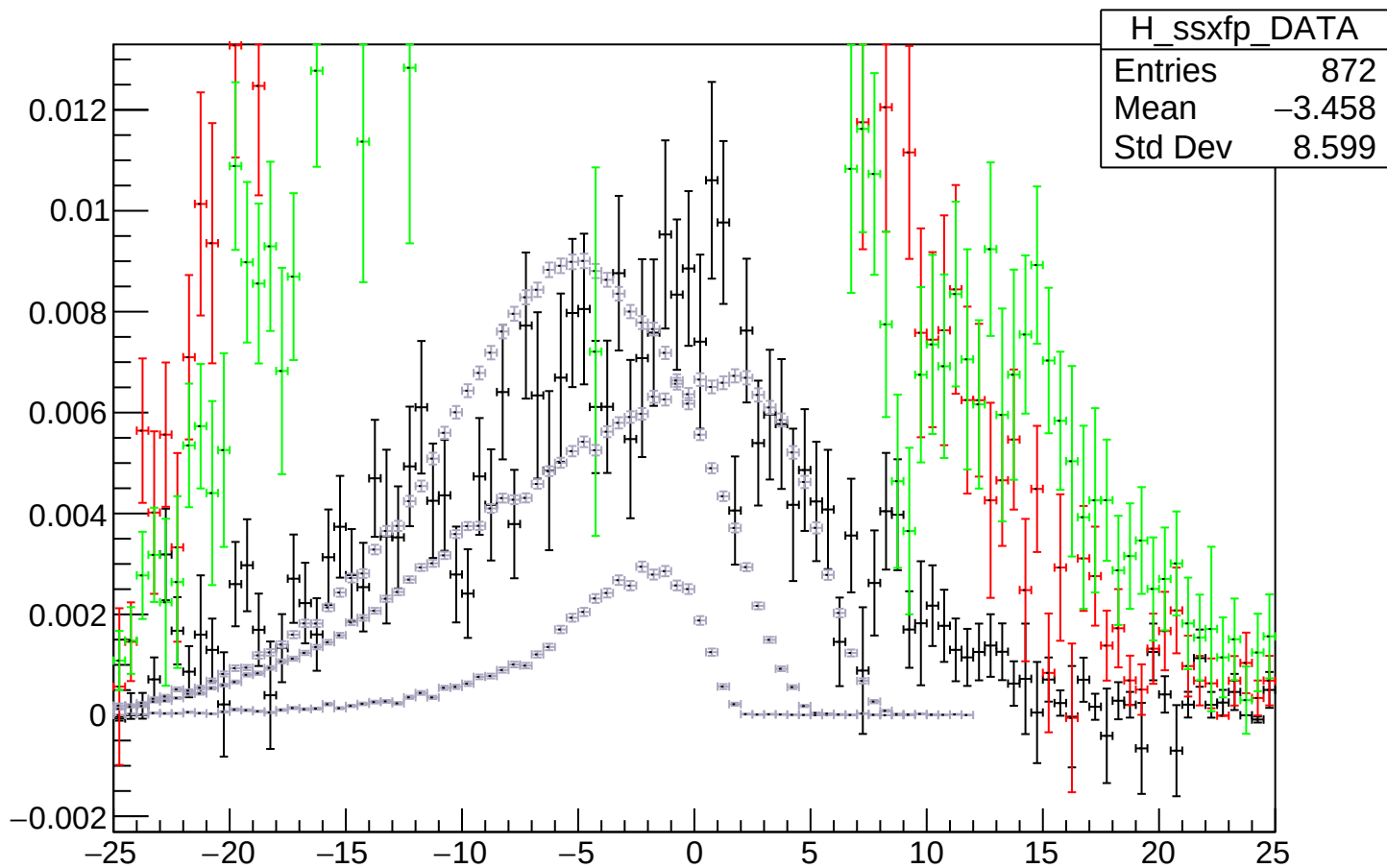


epsilon

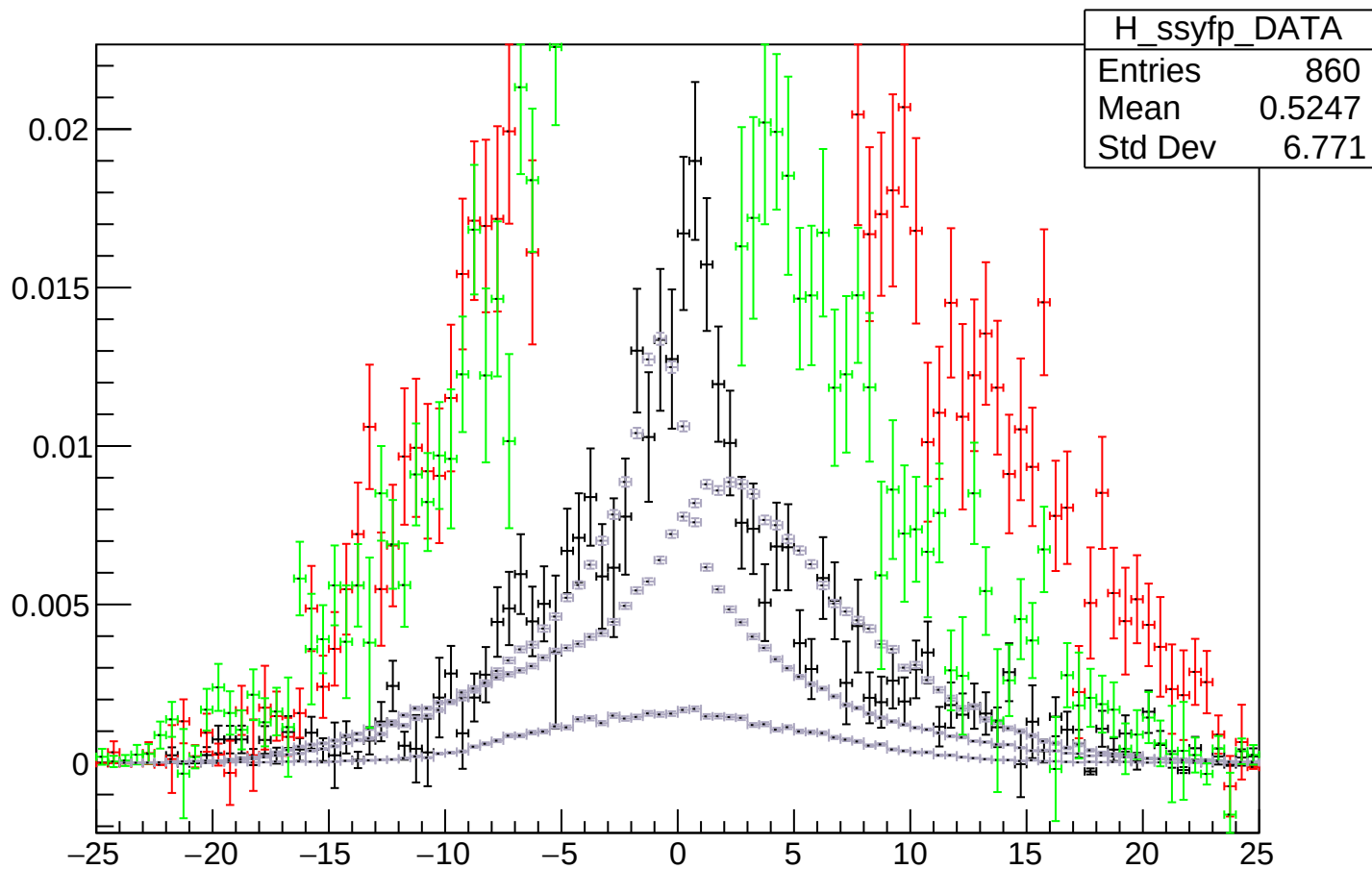


$MM_K$ 

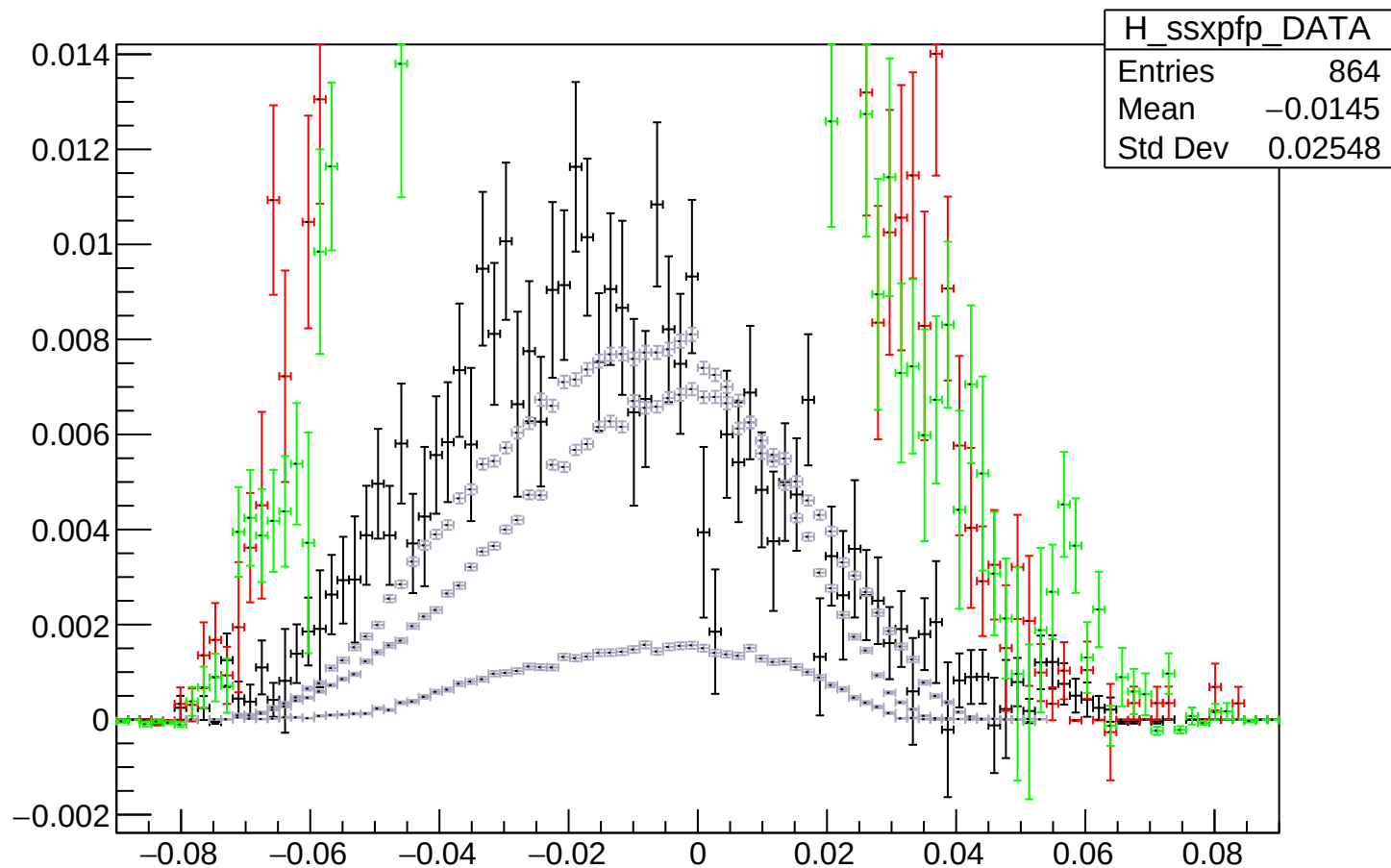
## SHMS xfp



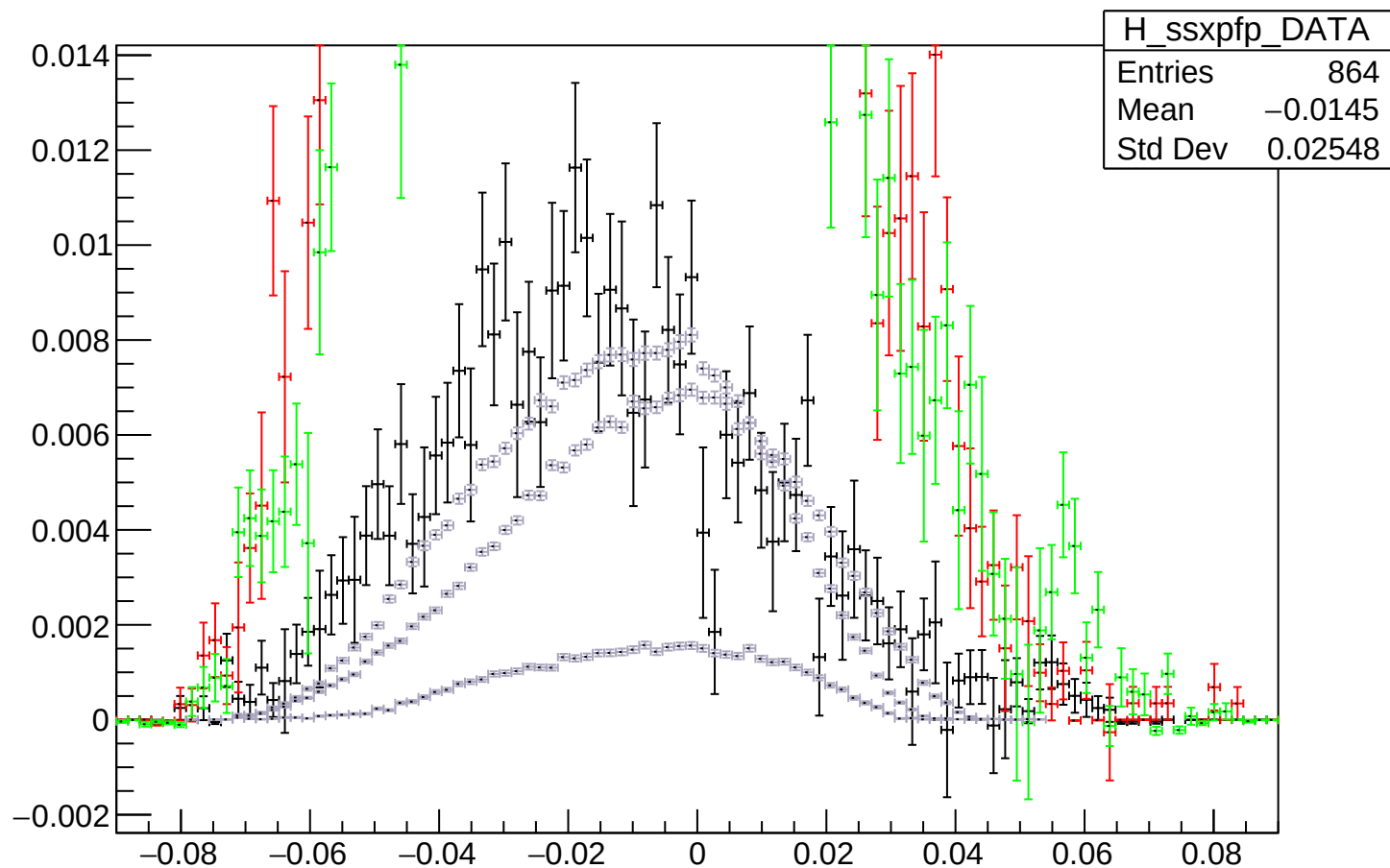
## SHMS yfp



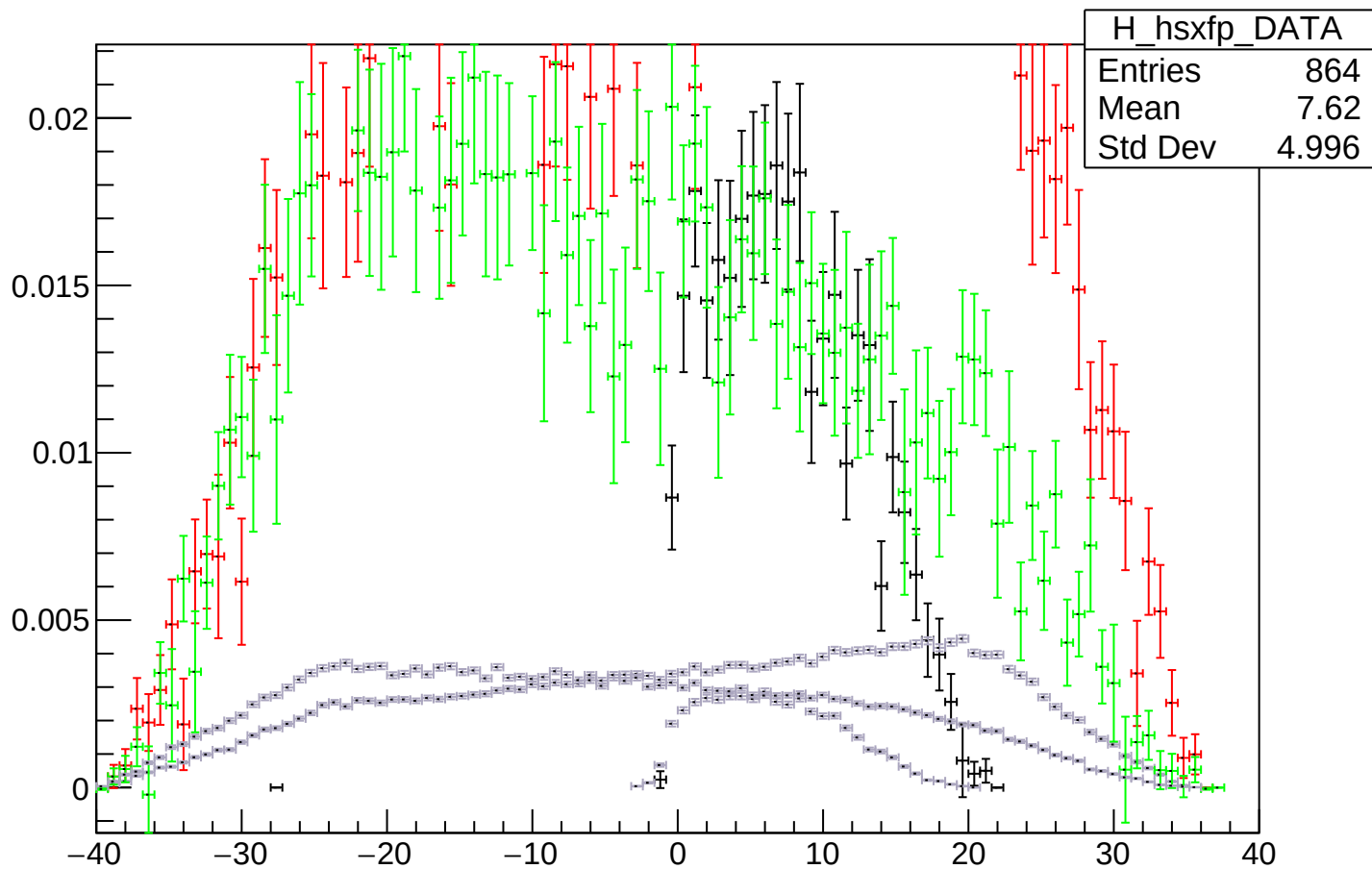
## SHMS xfp



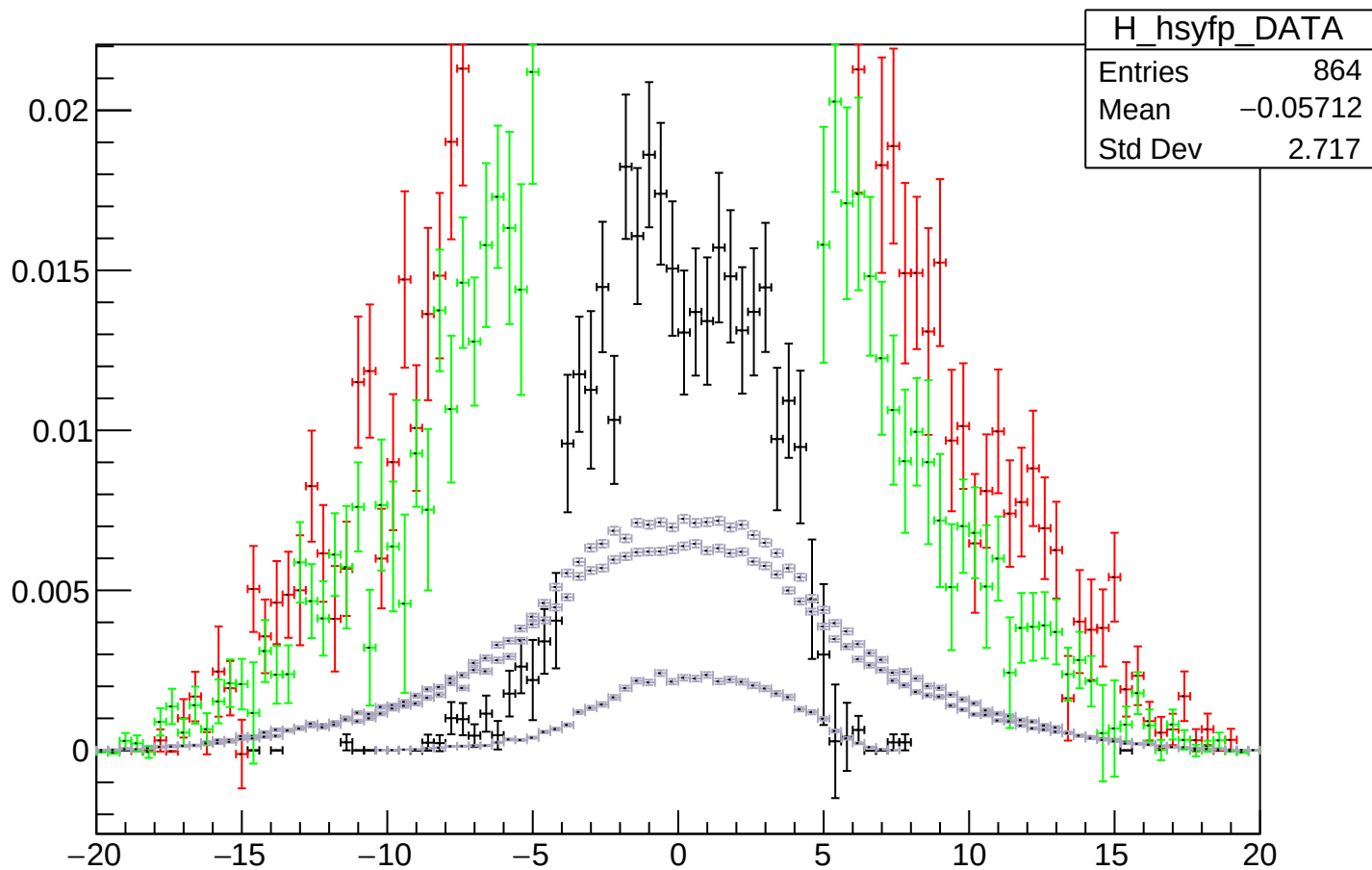
## SHMS xfp



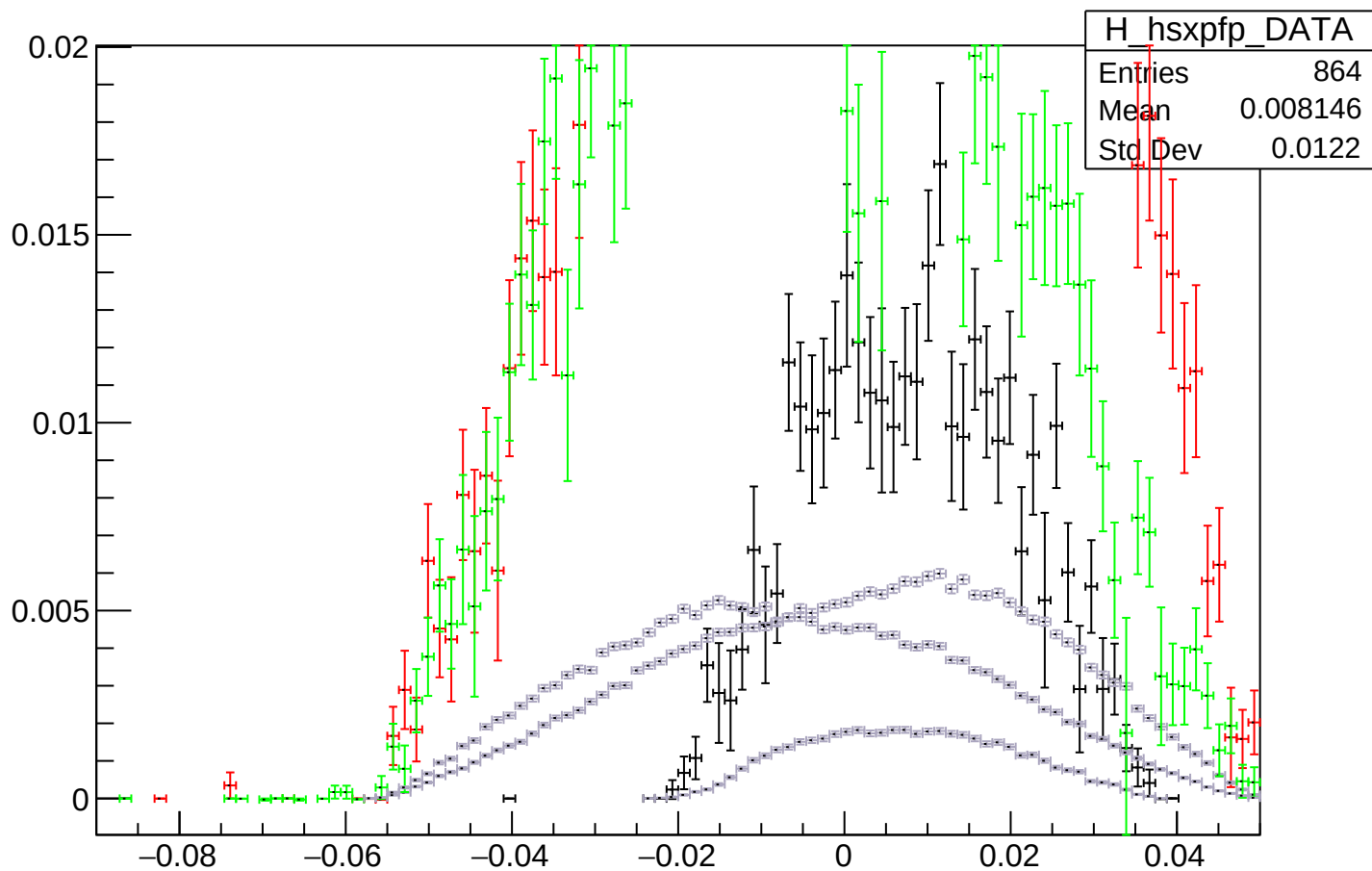
## HMS xfp



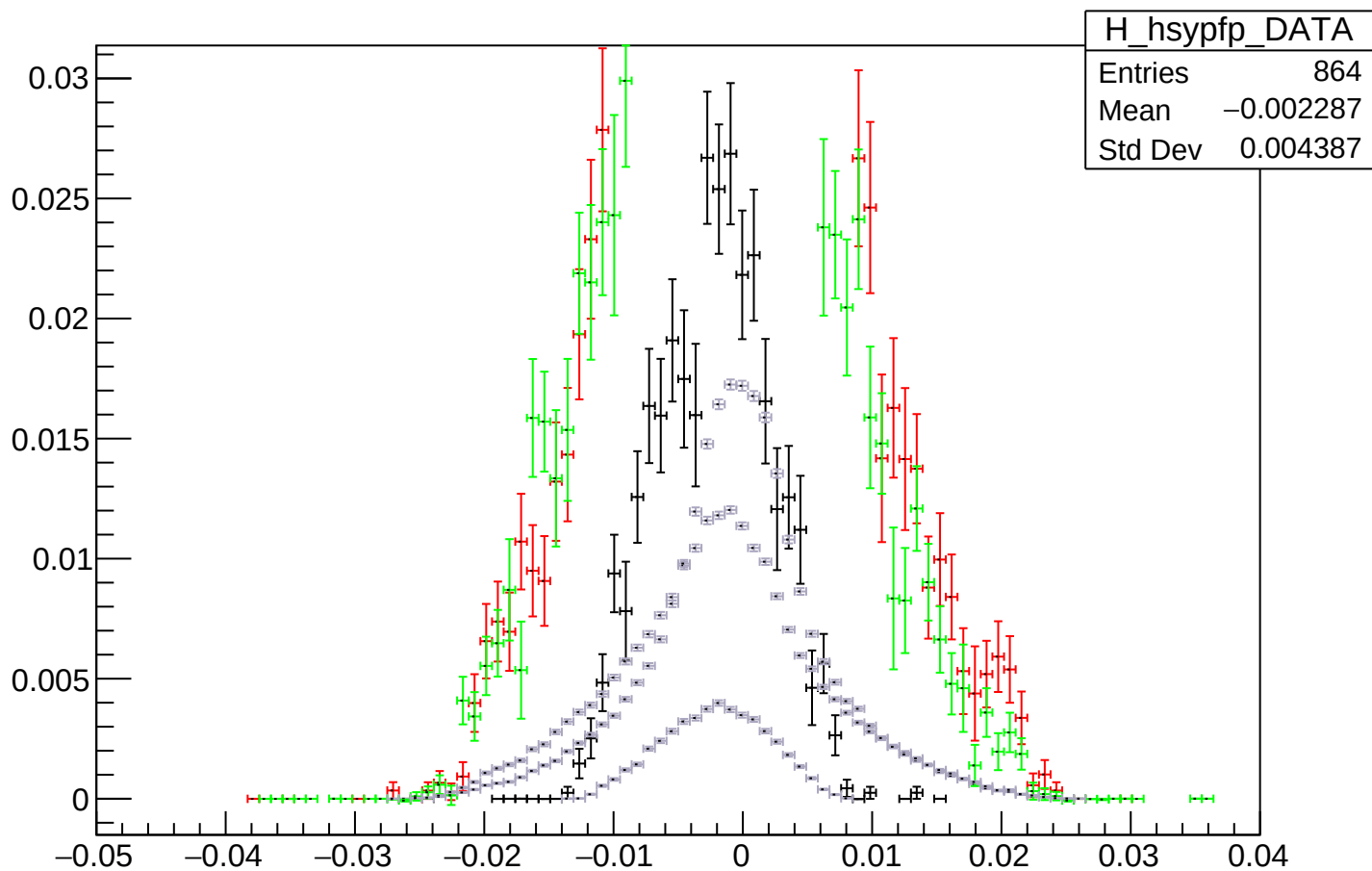
## HMS yfp



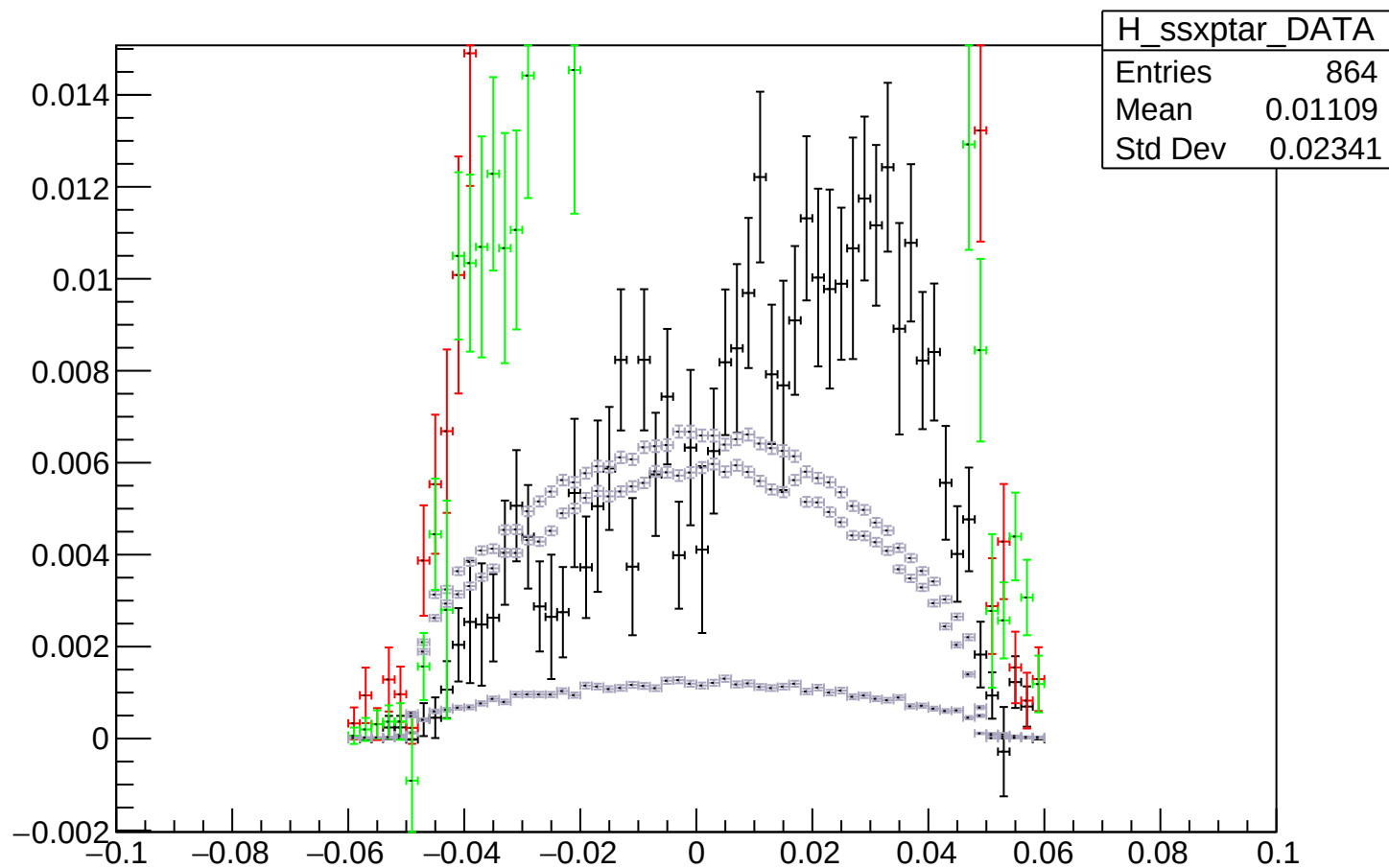
HMS xfp



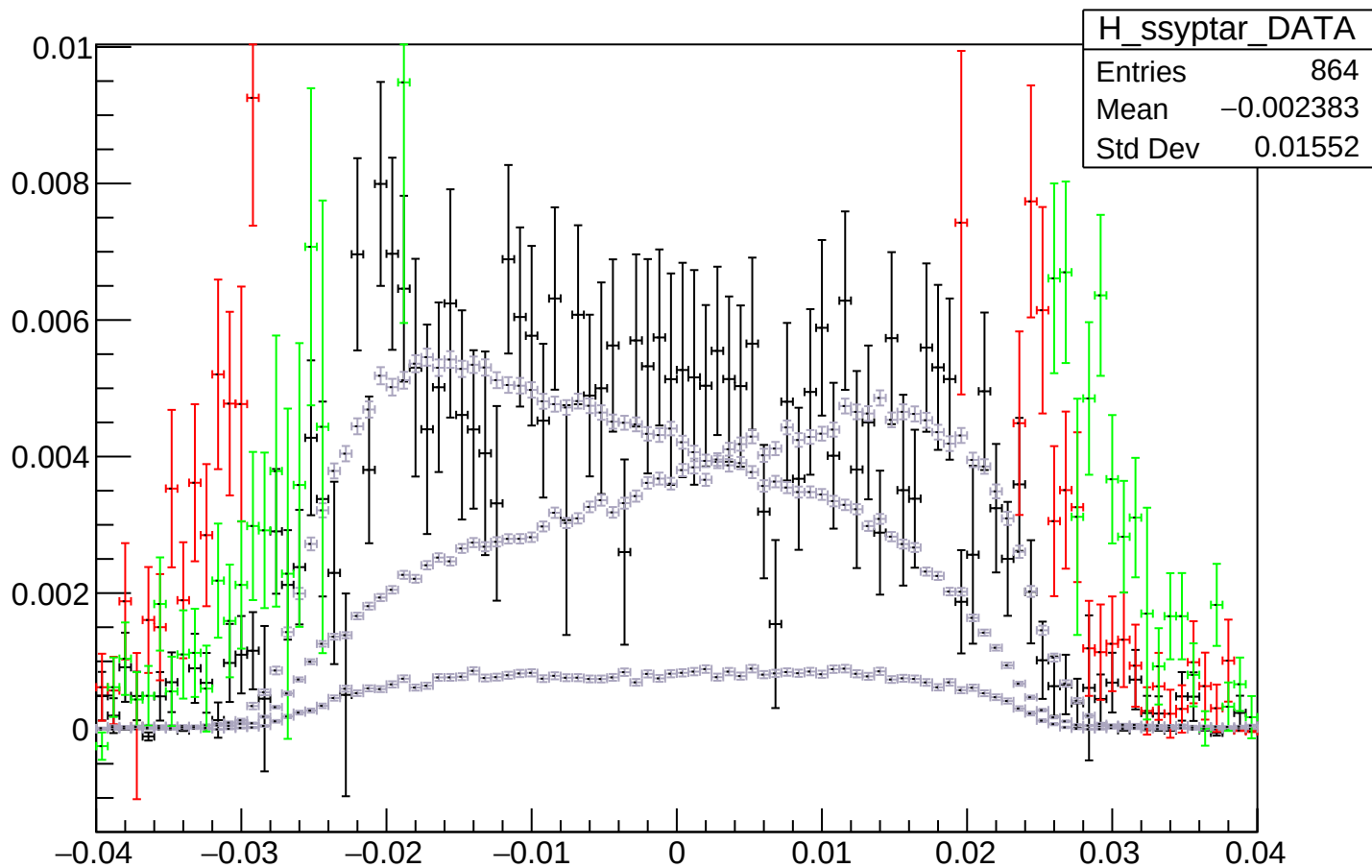
## HMS yfp



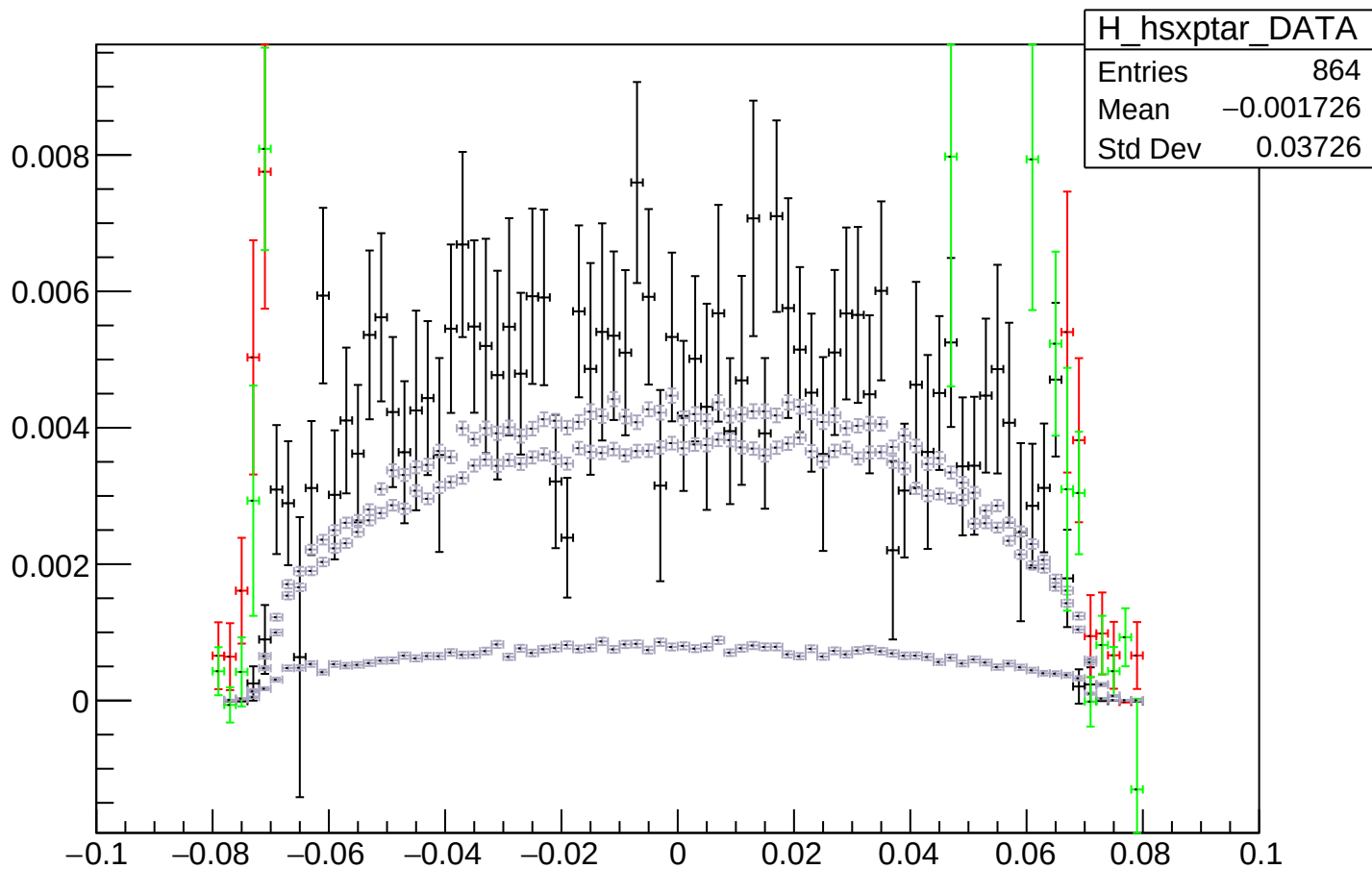
SHMS xptar



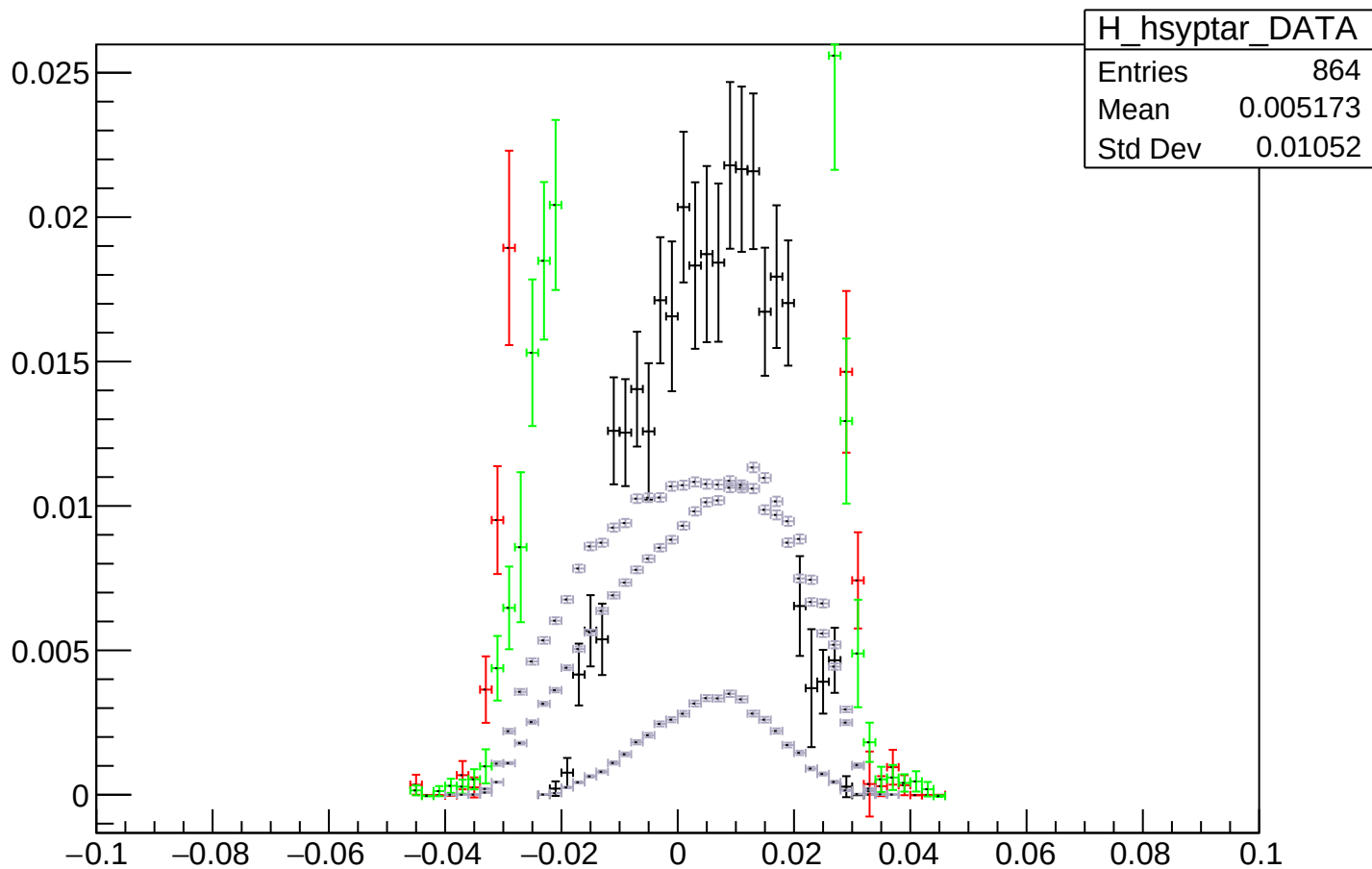
## SHMS yptar



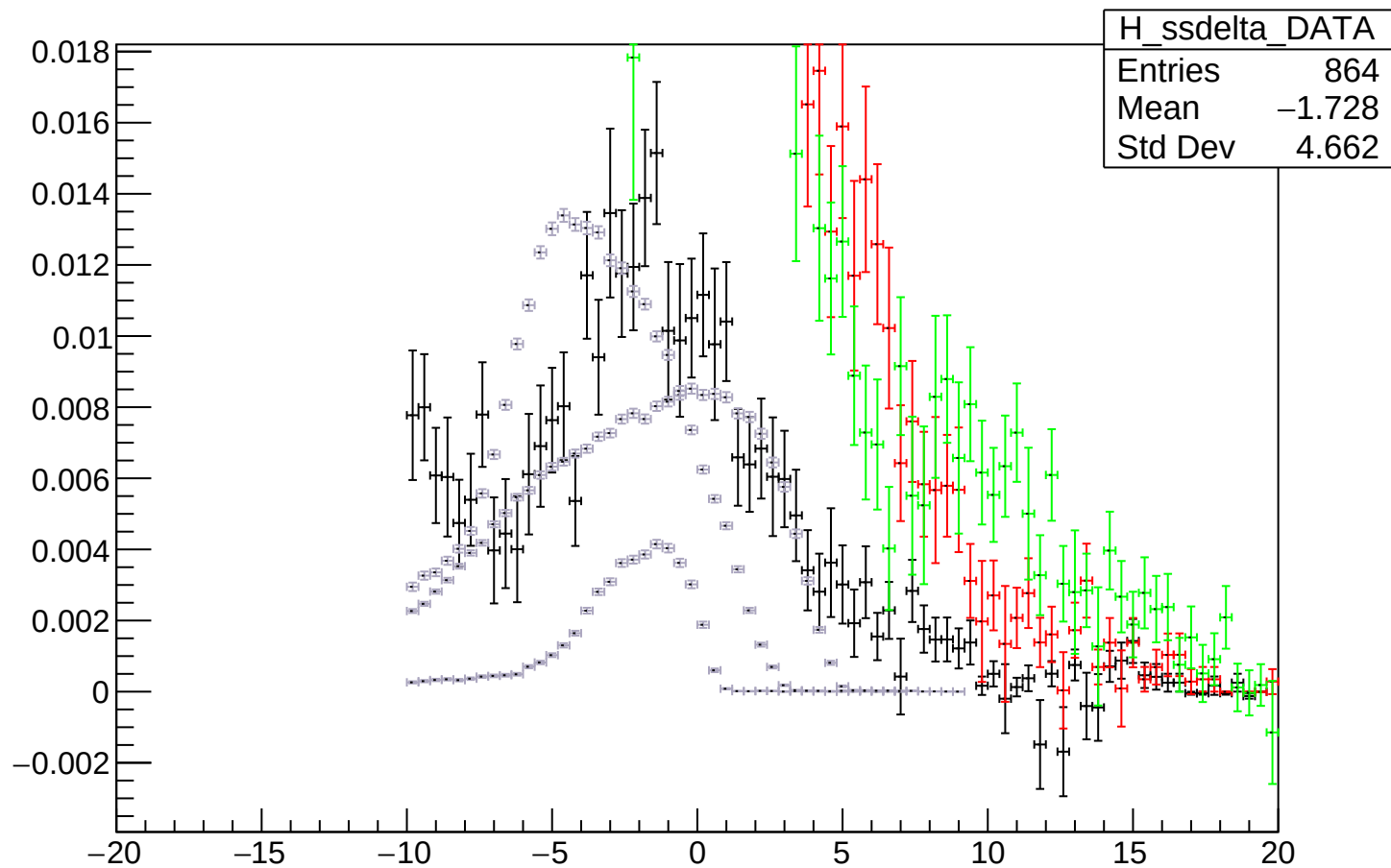
HMS xptar



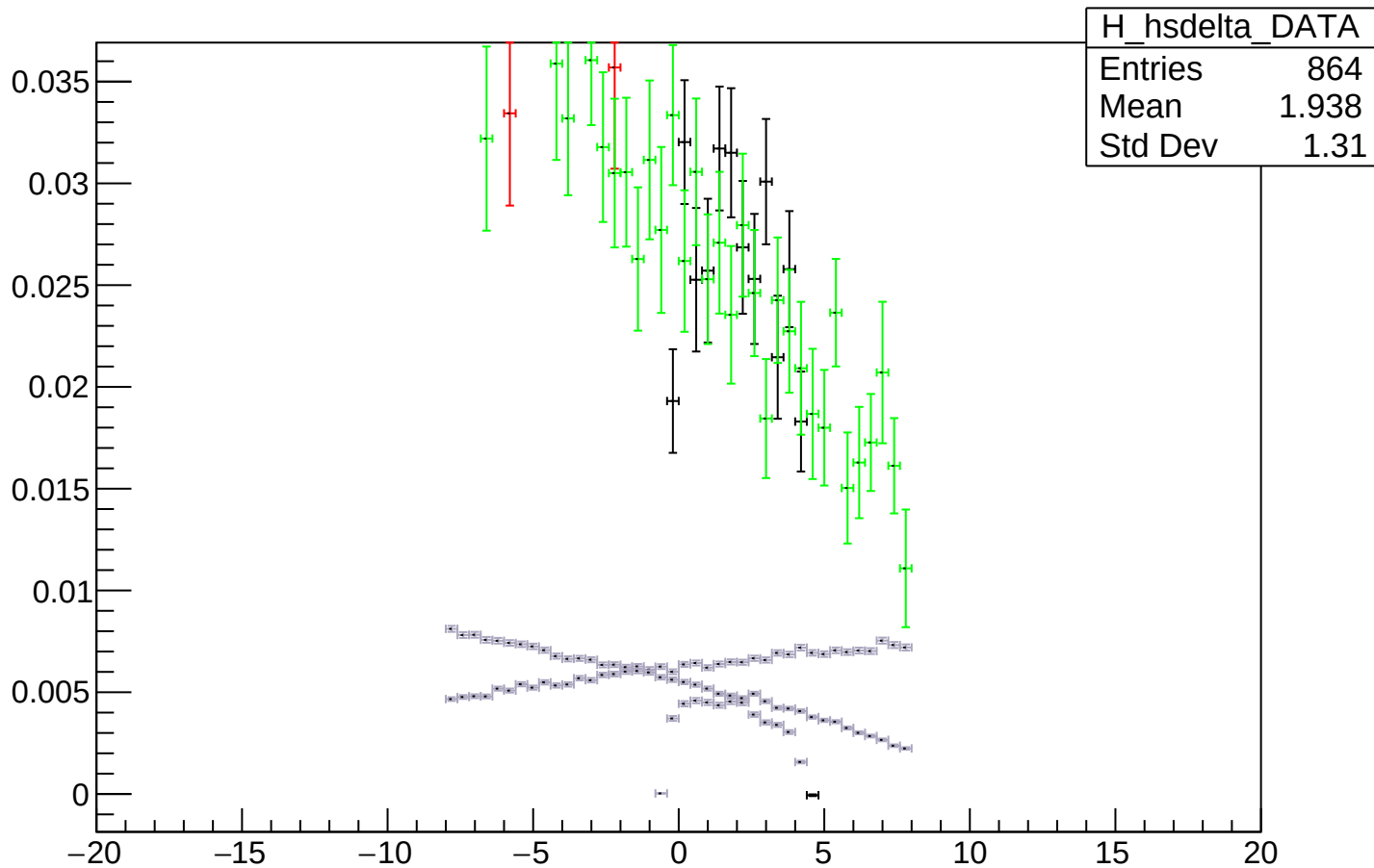
HMS yptar



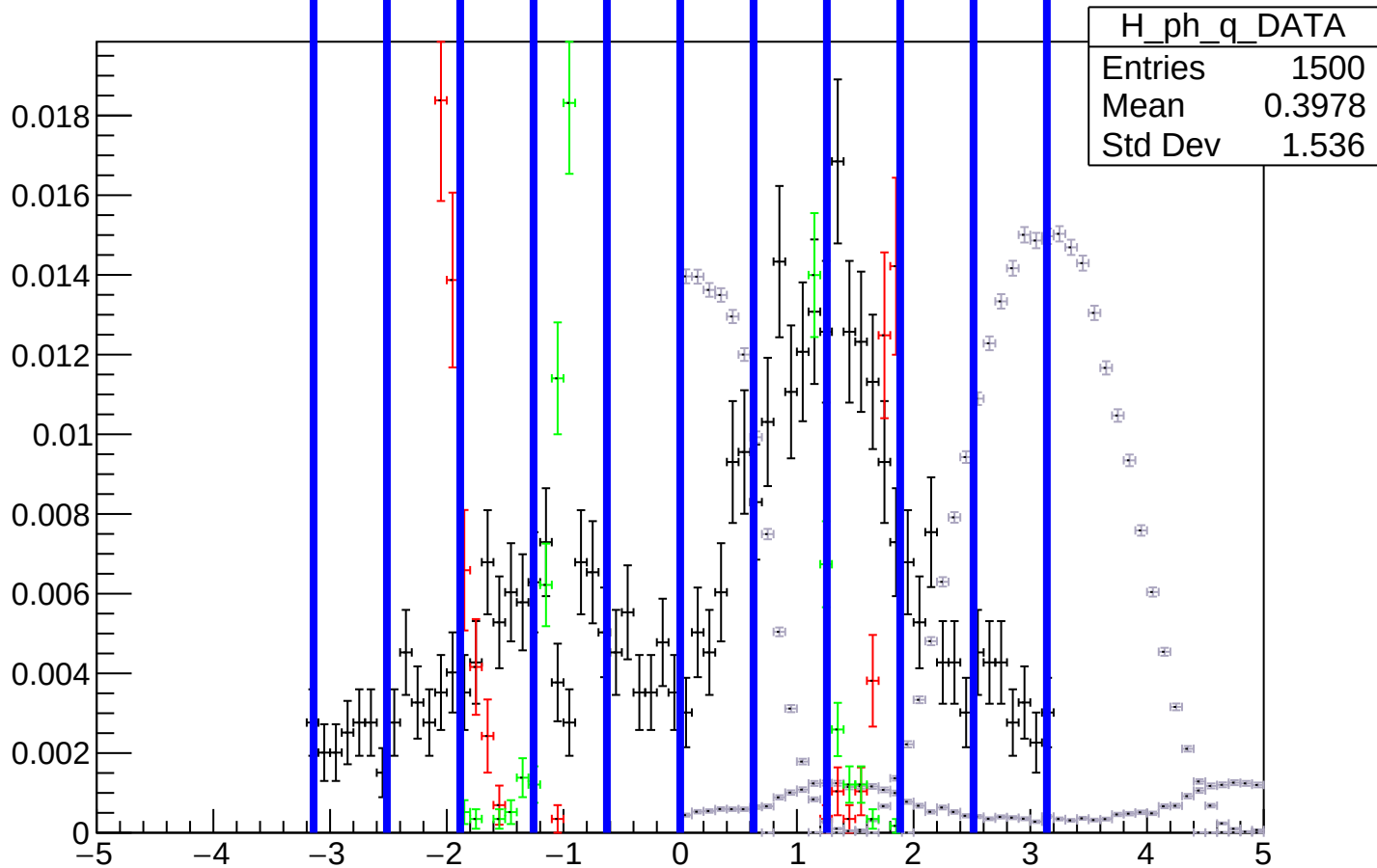
SHMS delta



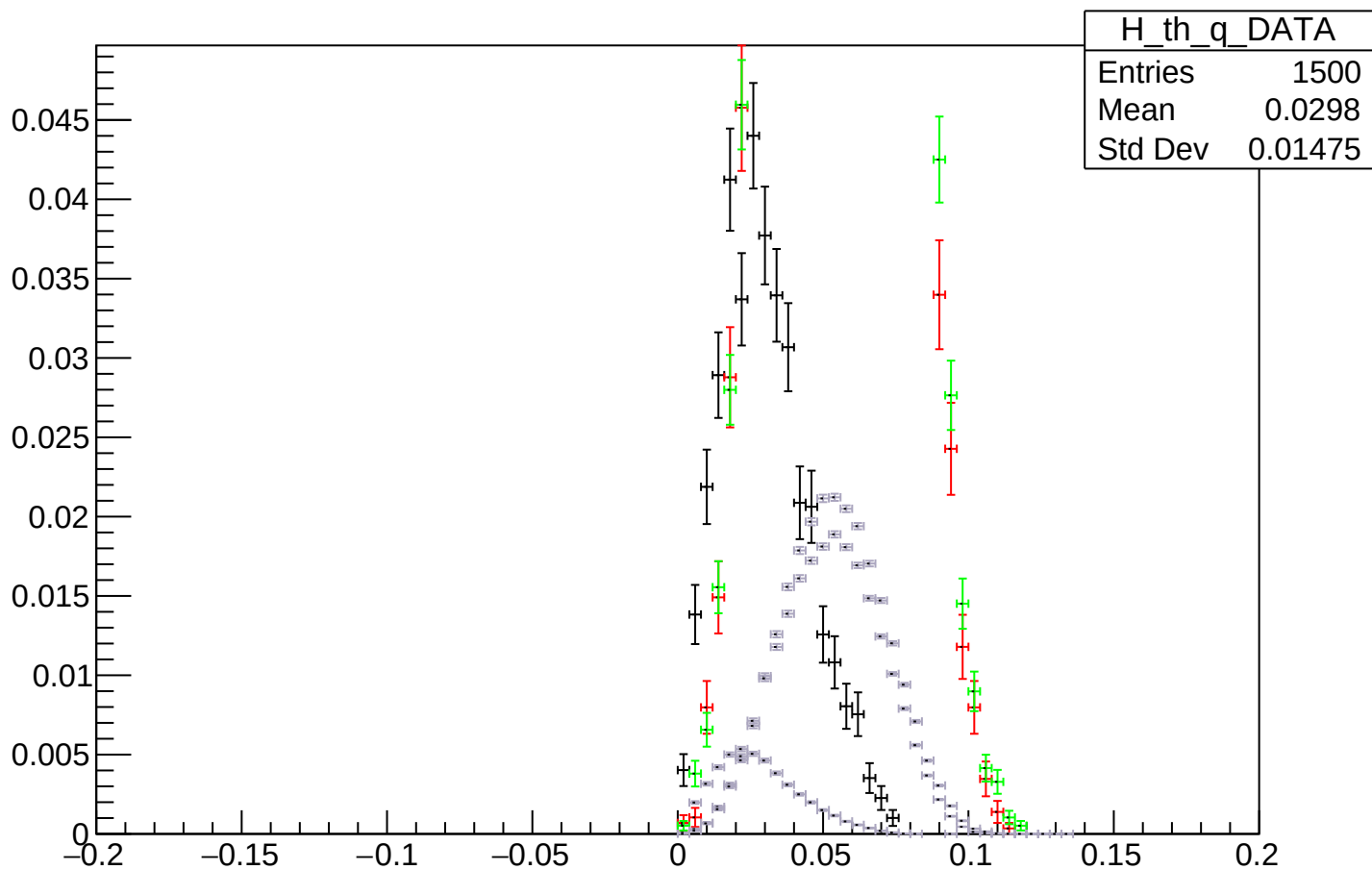
HMS Delta



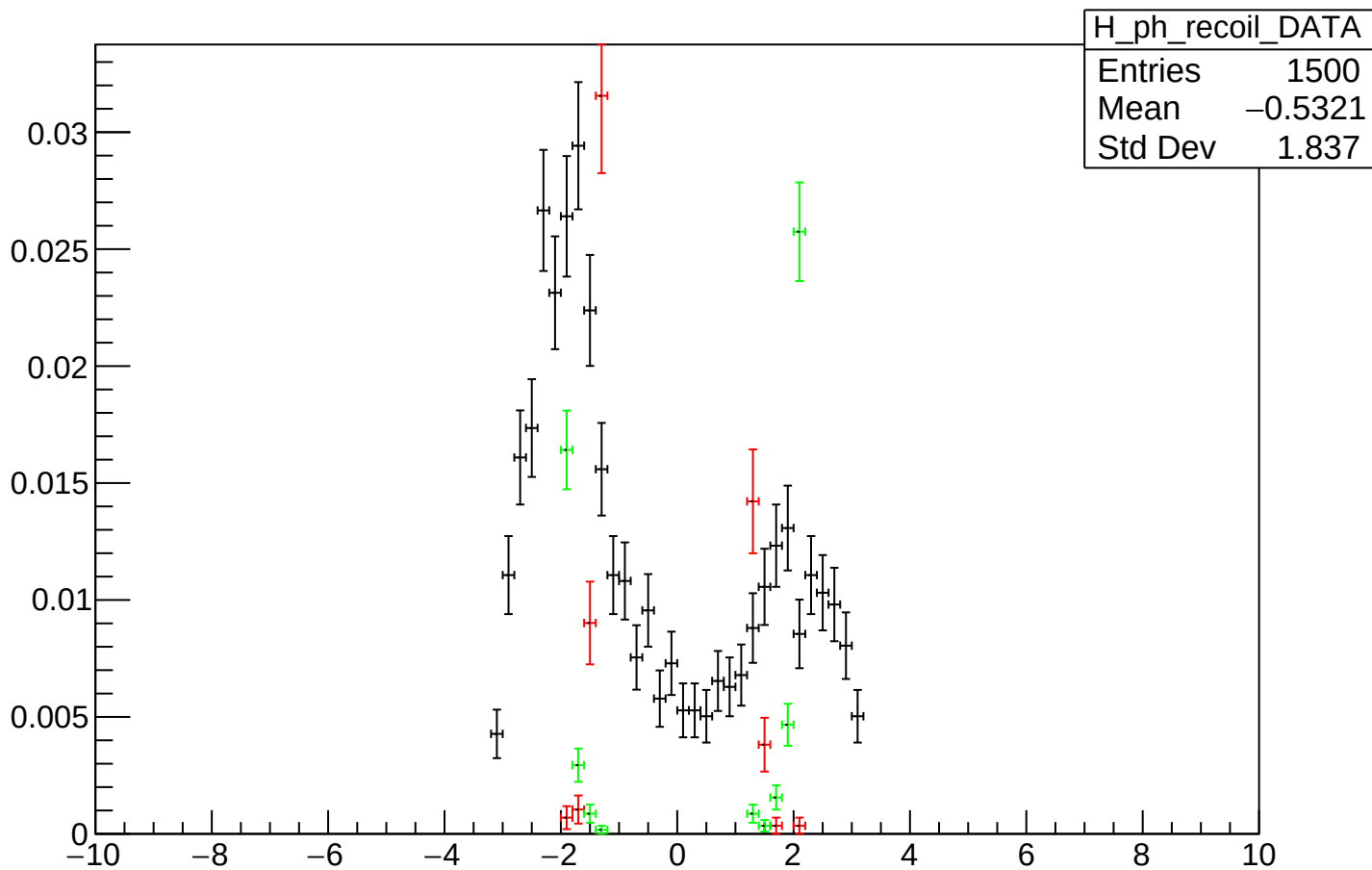
Phi Detected (ph\_xq)



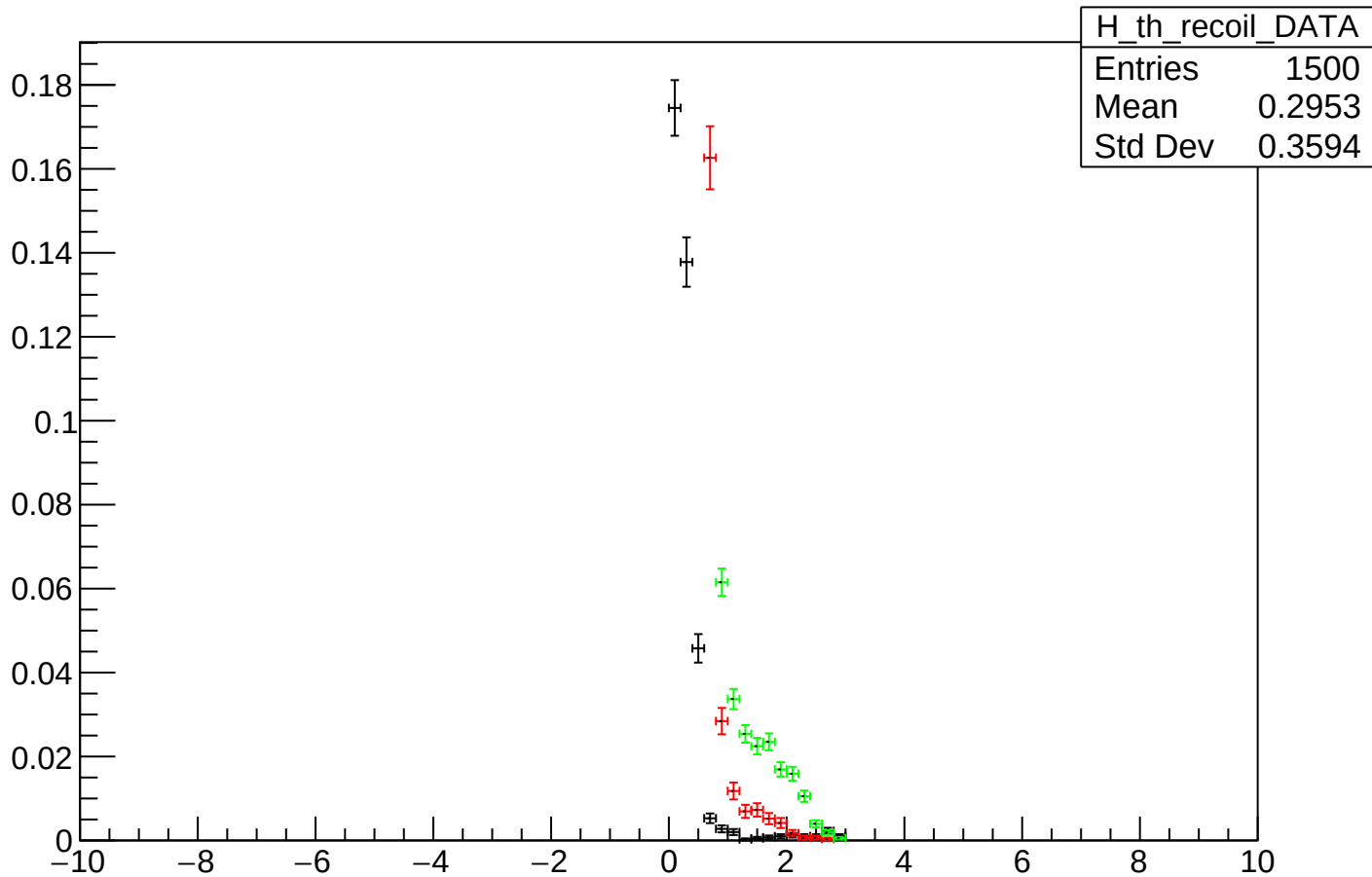
Theta Detected (th\_xq)



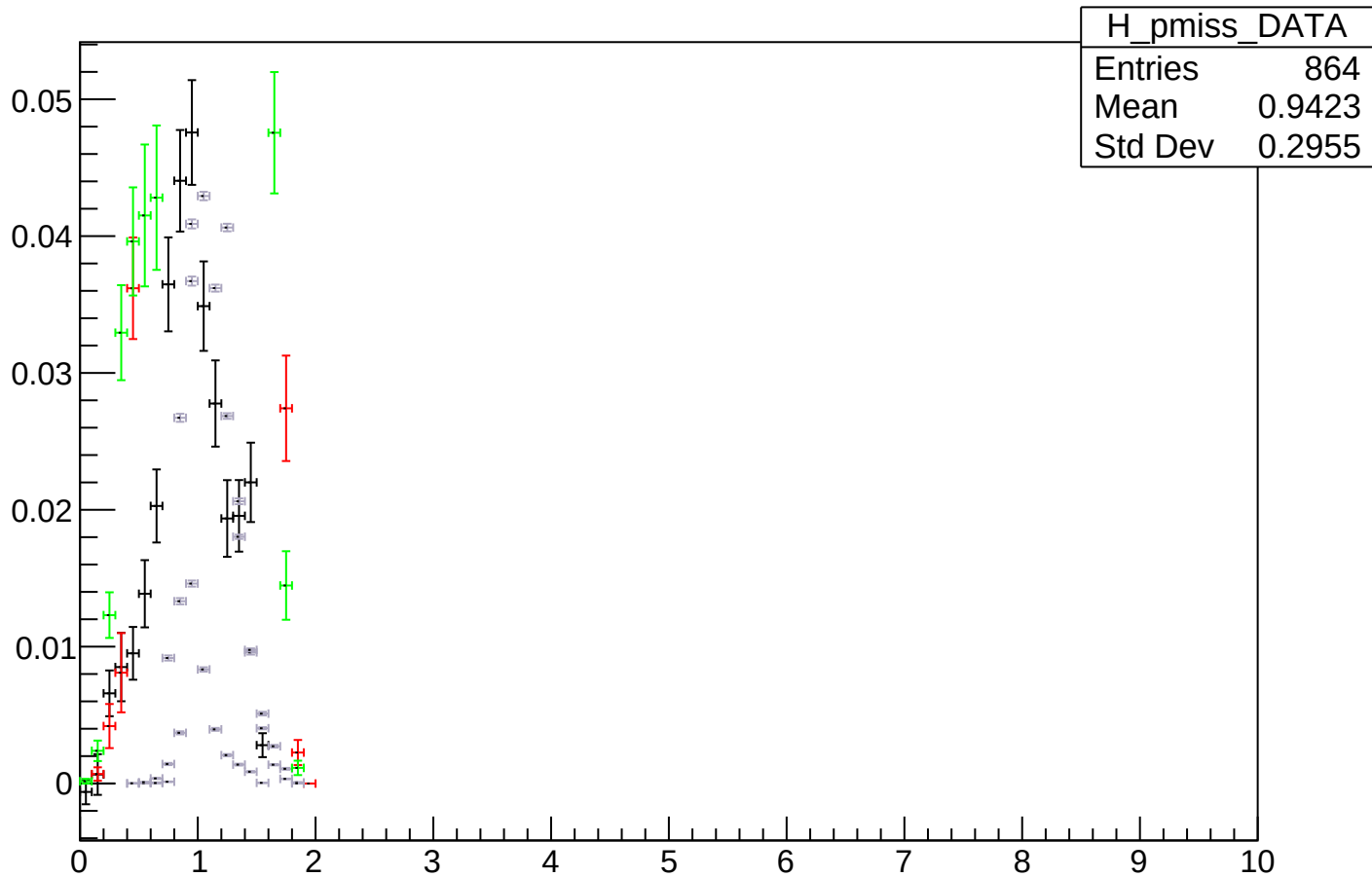
Phi Recoil (ph\_bq)



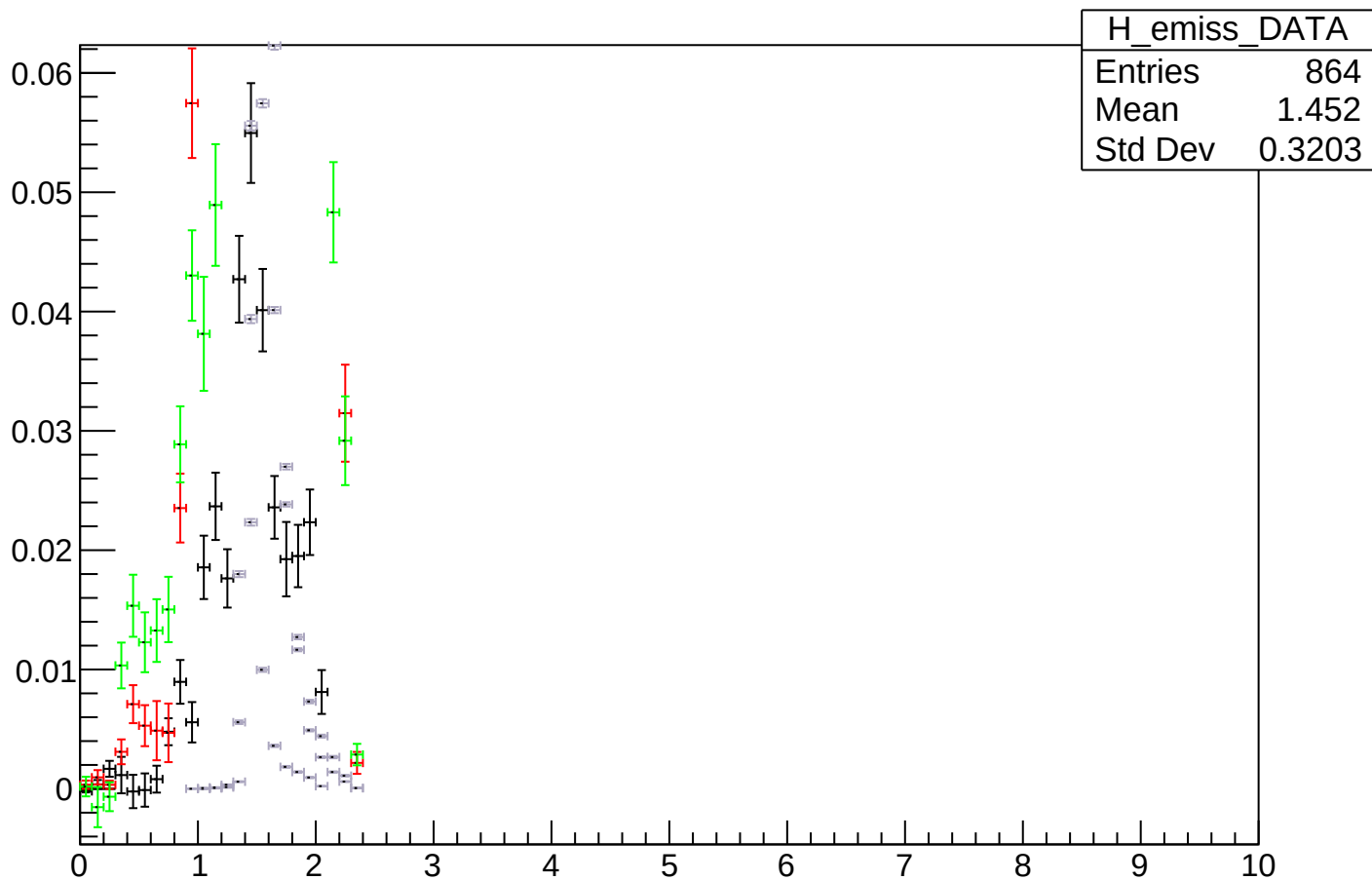
Theta Recoil (th\_bq)



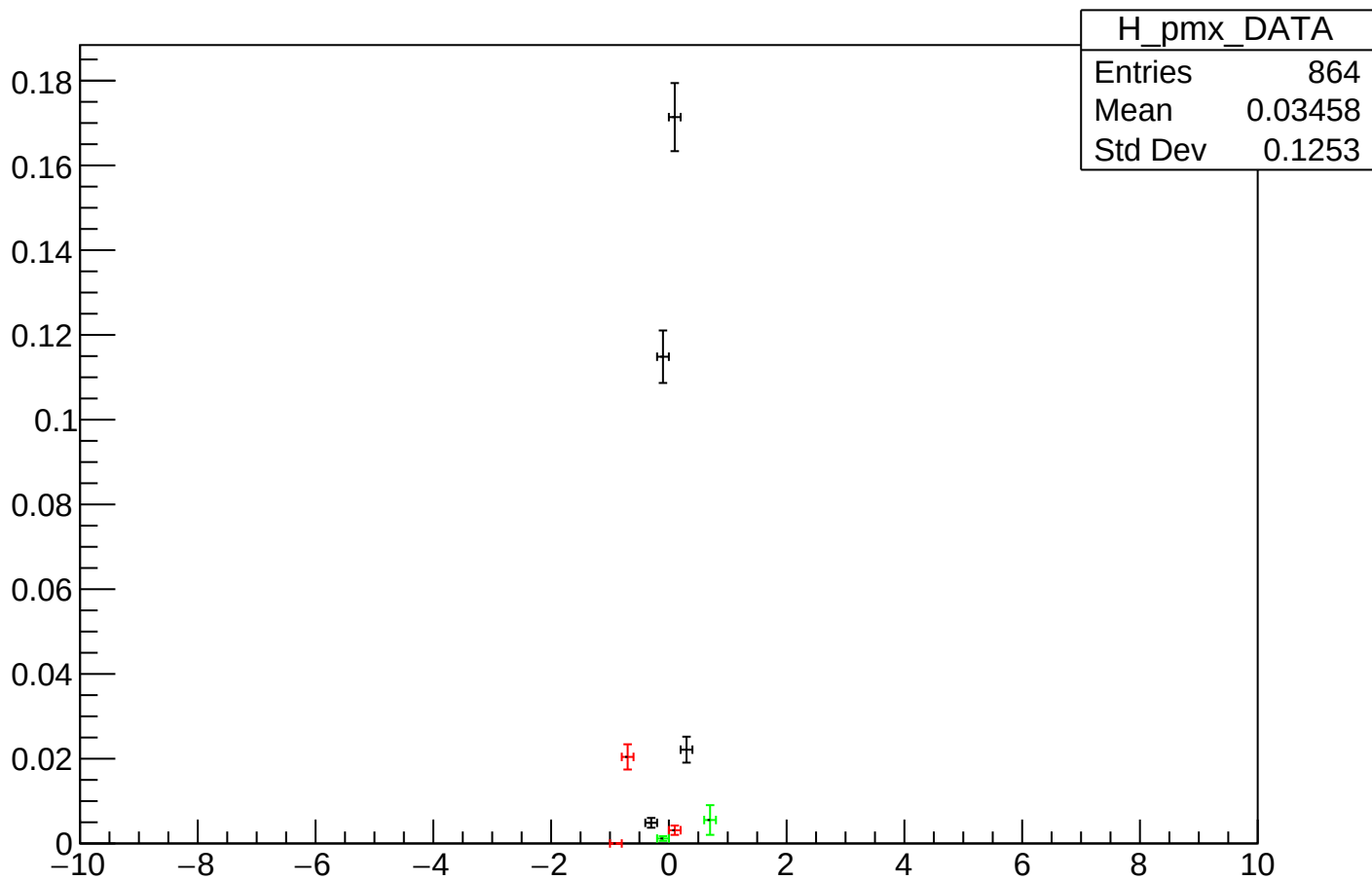
pmiss



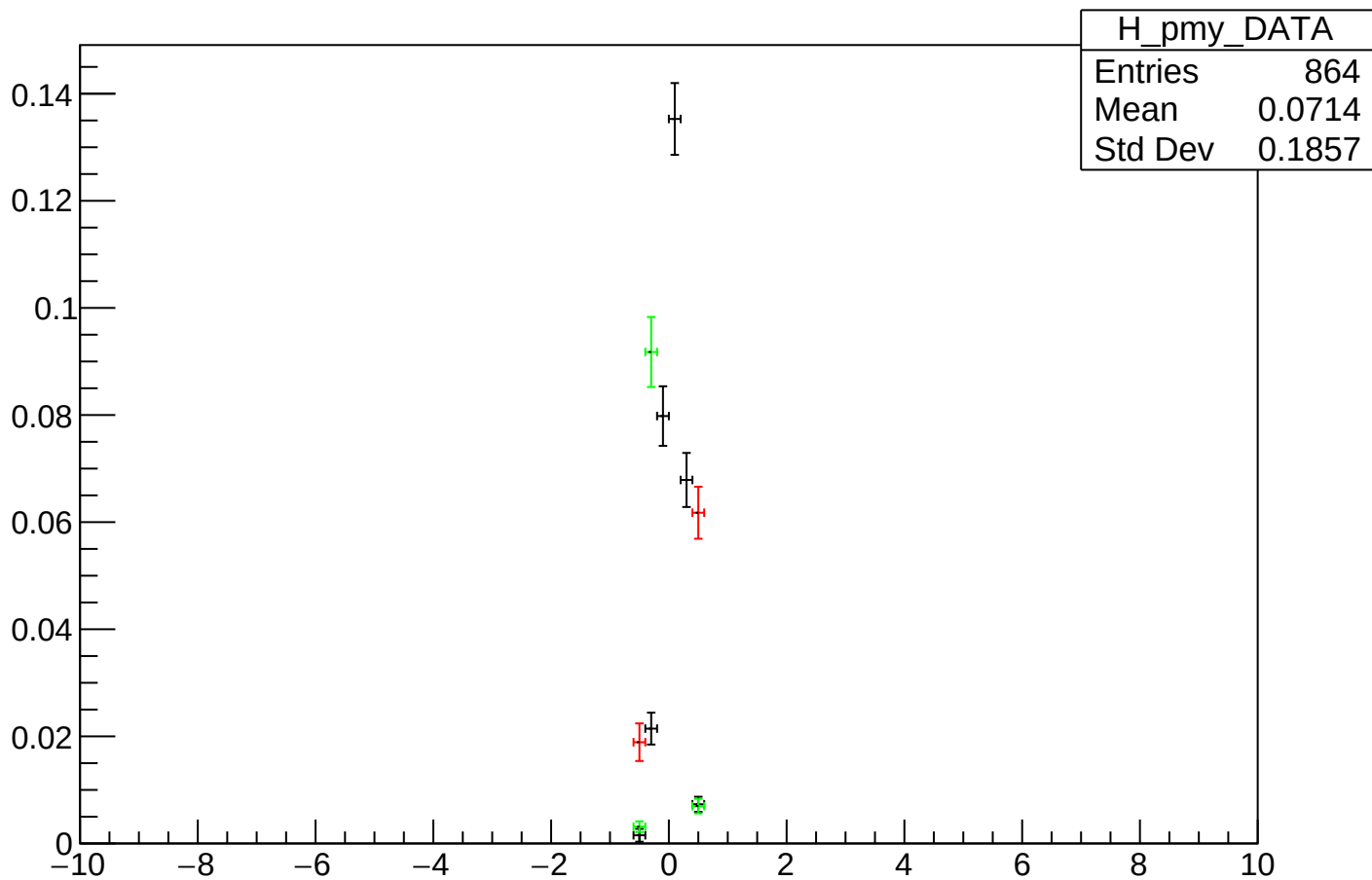
emiss



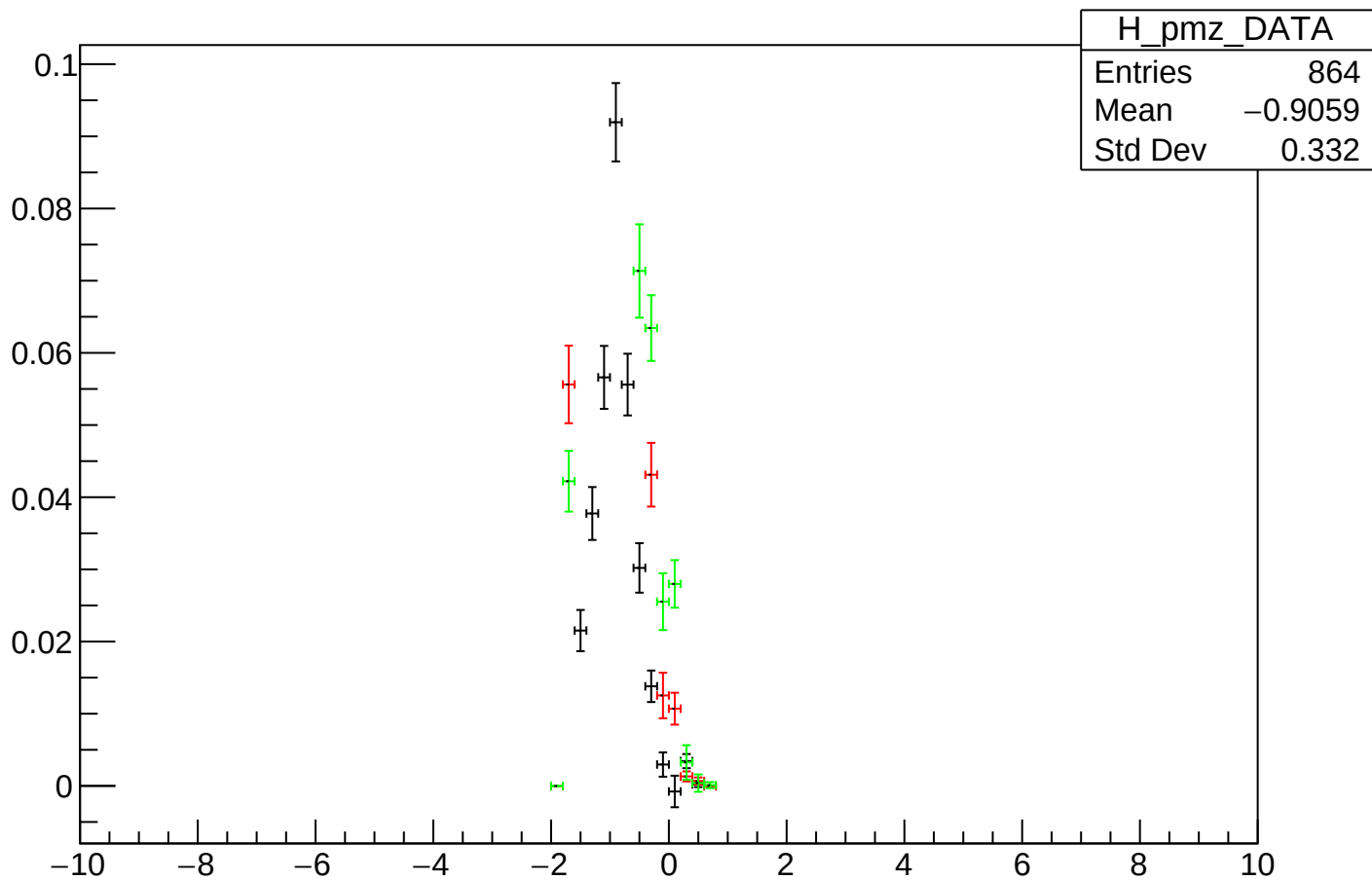
pmx

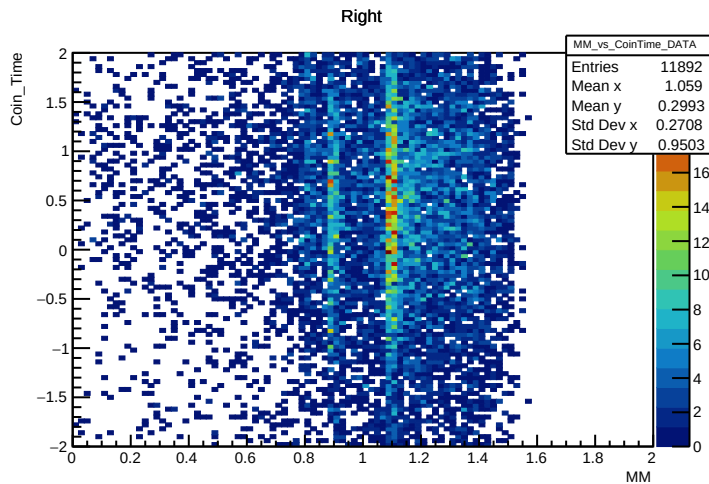
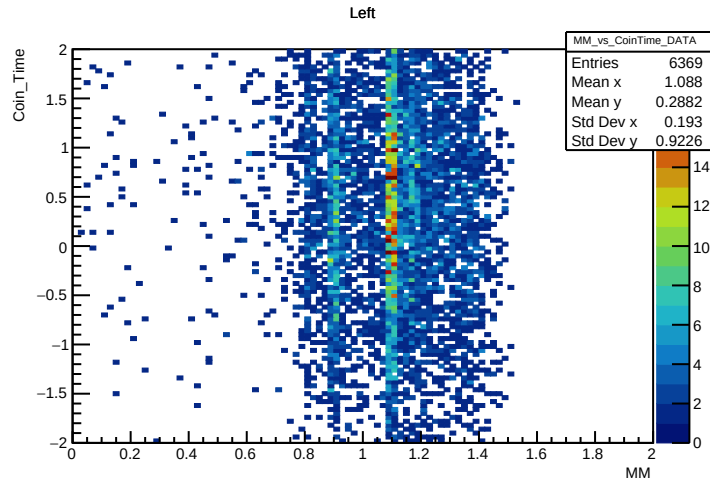
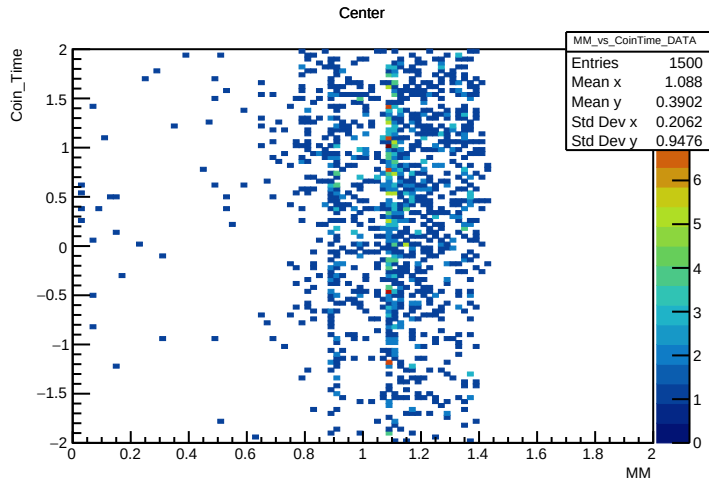


pmy

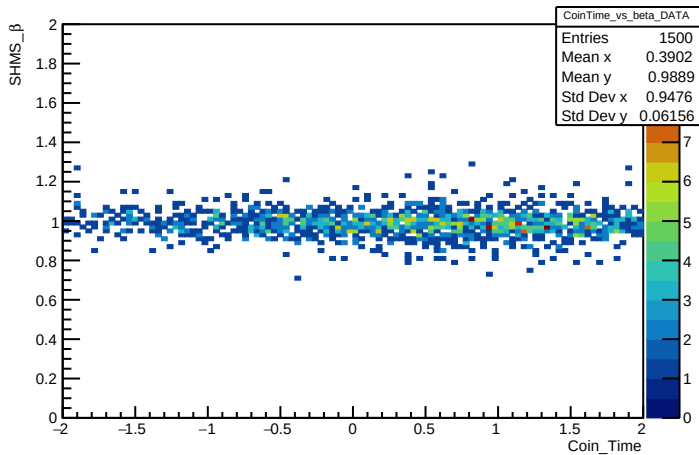


pmz

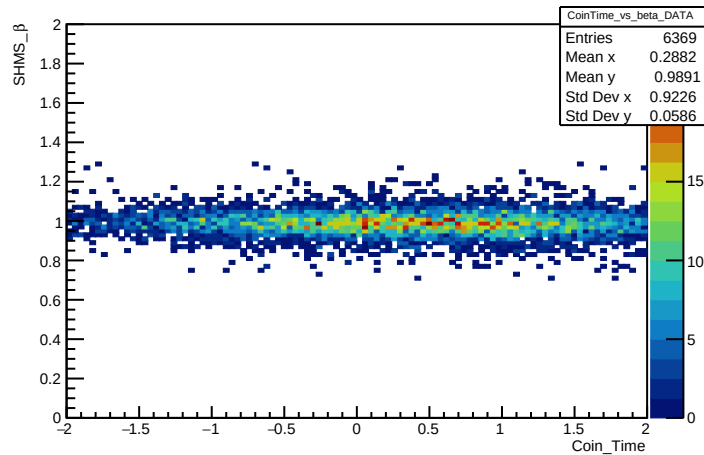




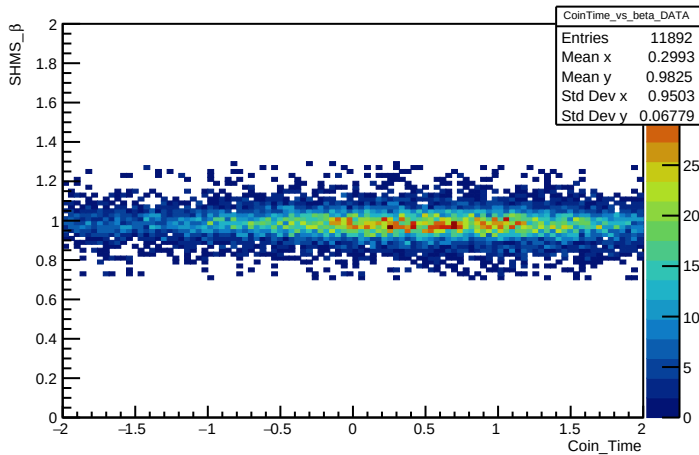
Center

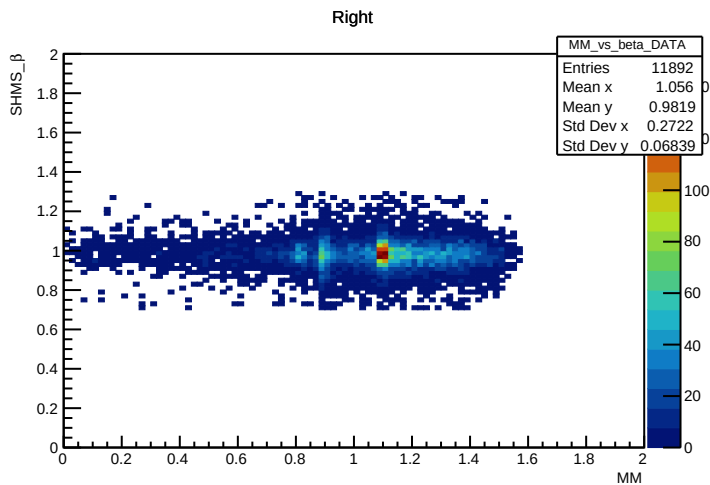
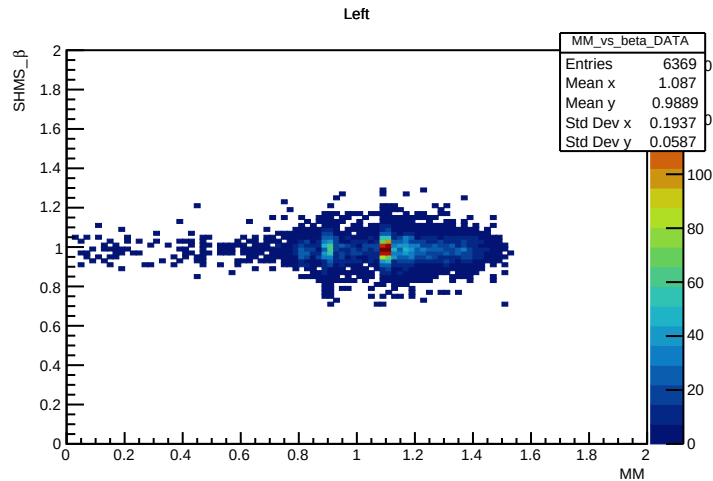
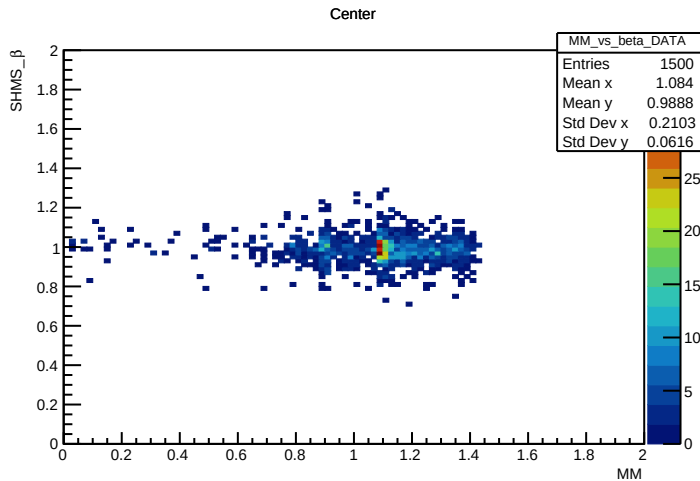


Left

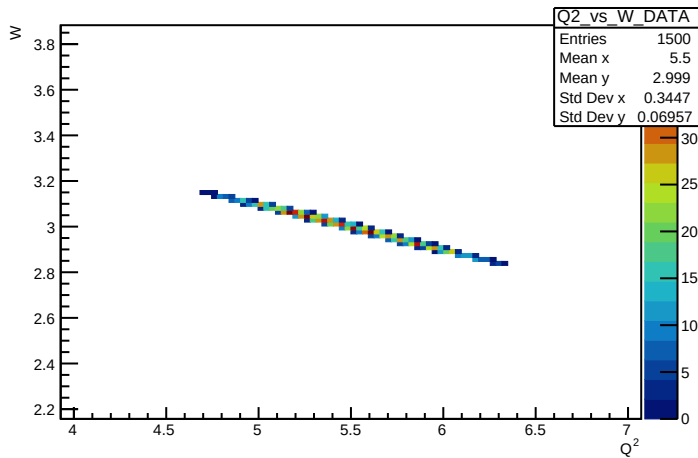


Right

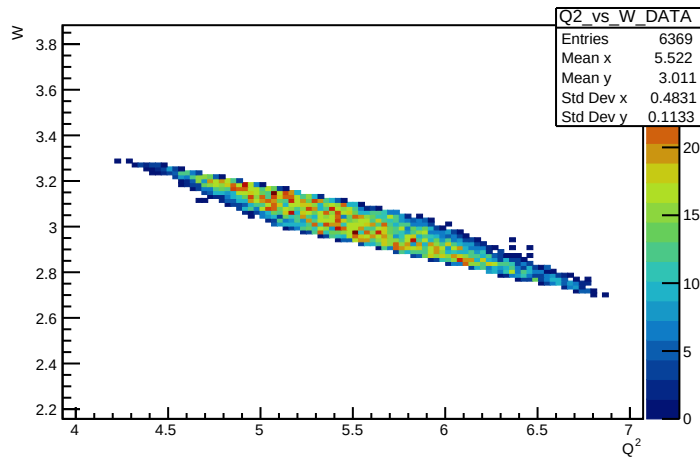




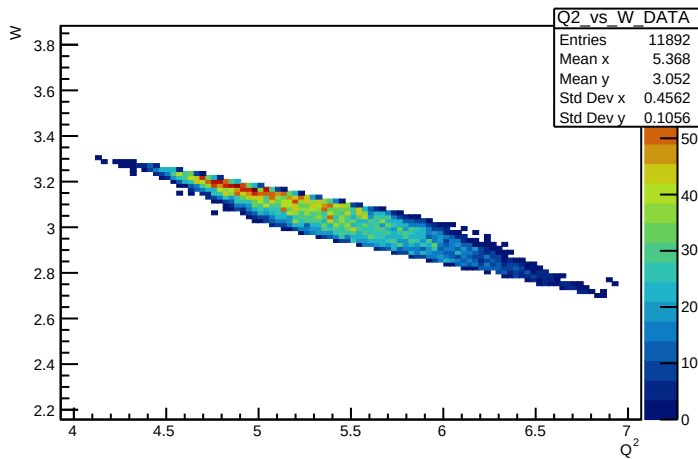
Center

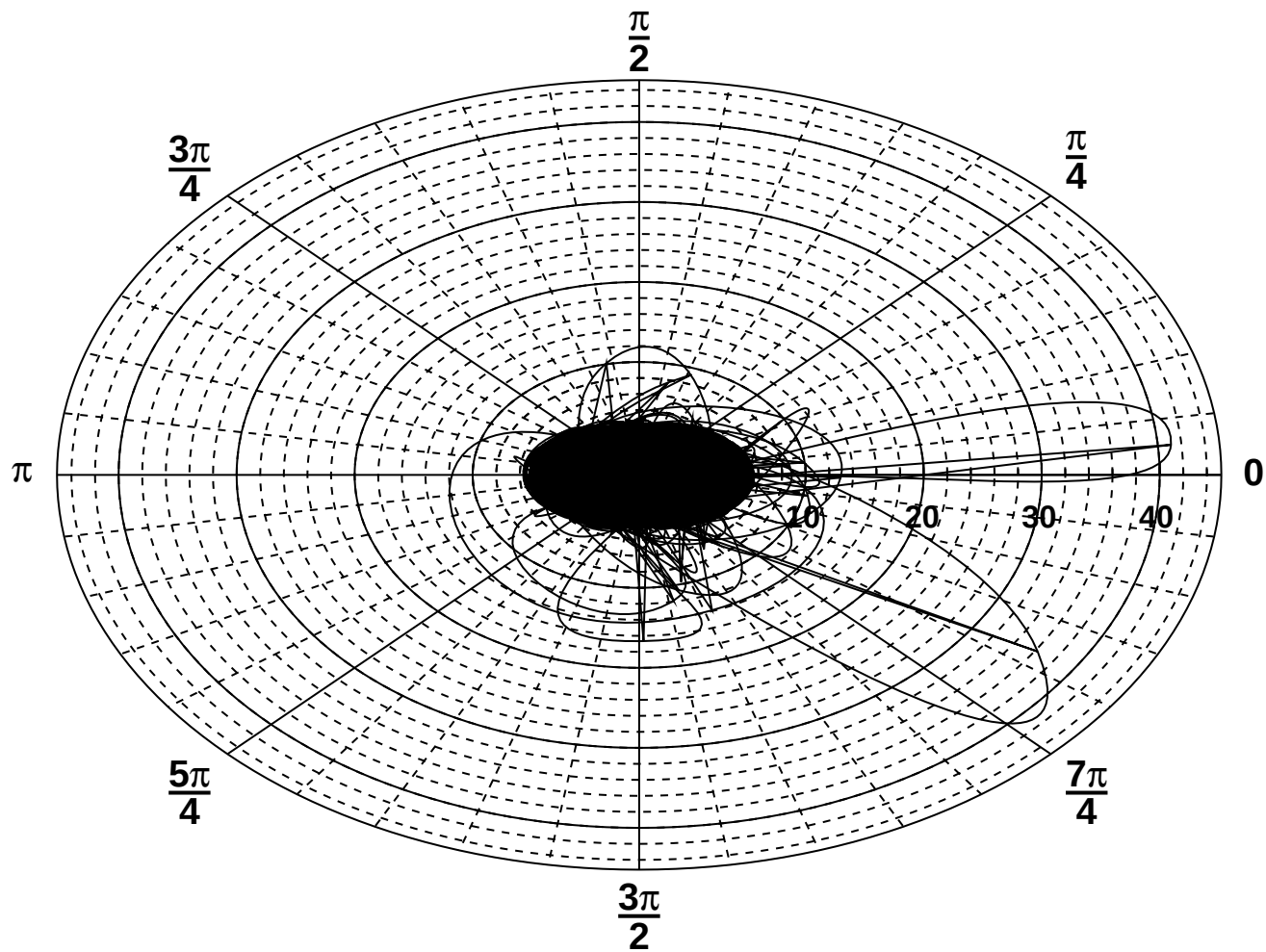


Left

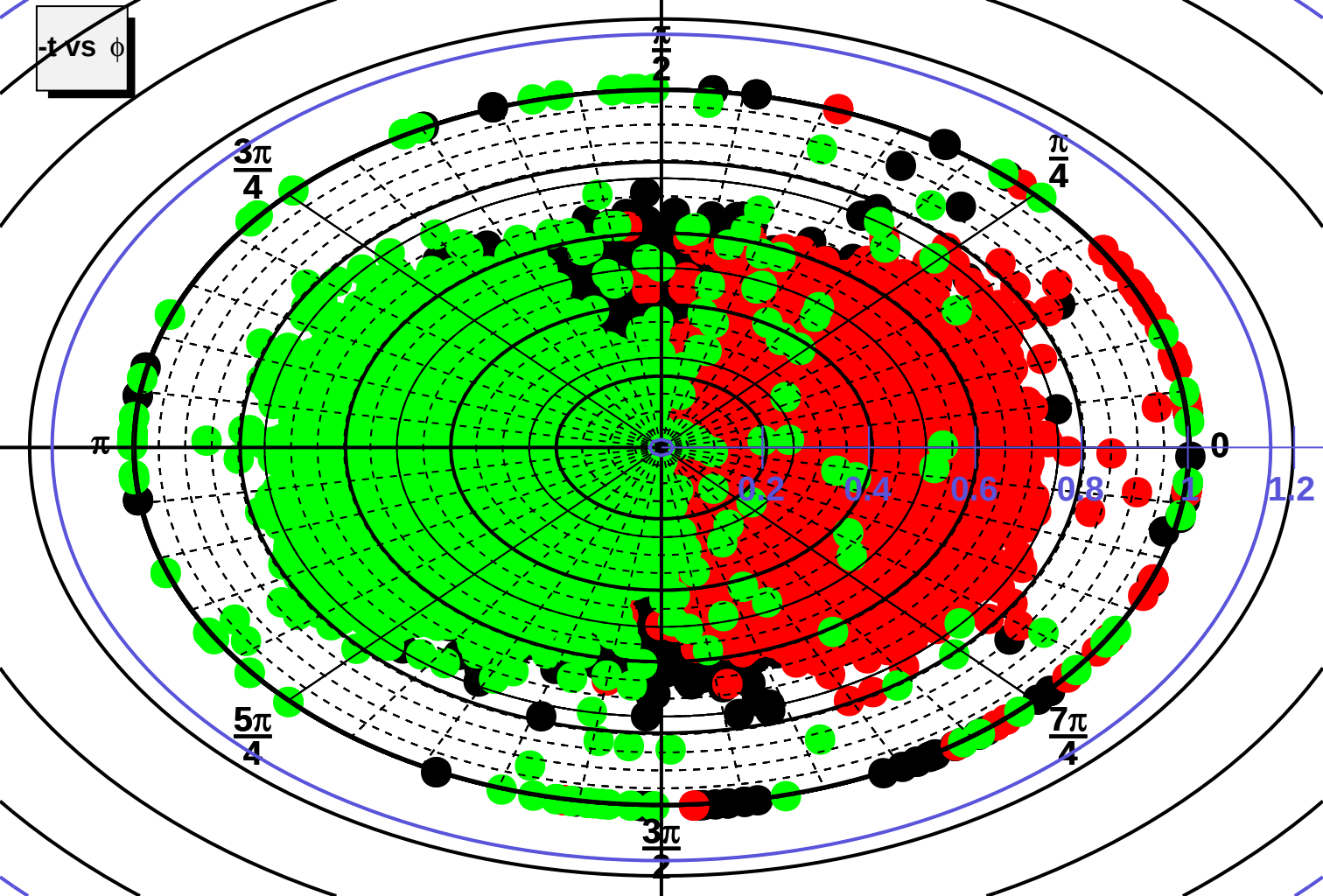


Right





$t$  vs  $\phi$



"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 > 4)  
"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 > 4)
"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 > 4)
"H_cal_etottracknorm" : (H_cal_etottracknorm > 0.7)
"P_cal_etottracknorm" : (P_cal_etottracknorm >= 0.0)
```