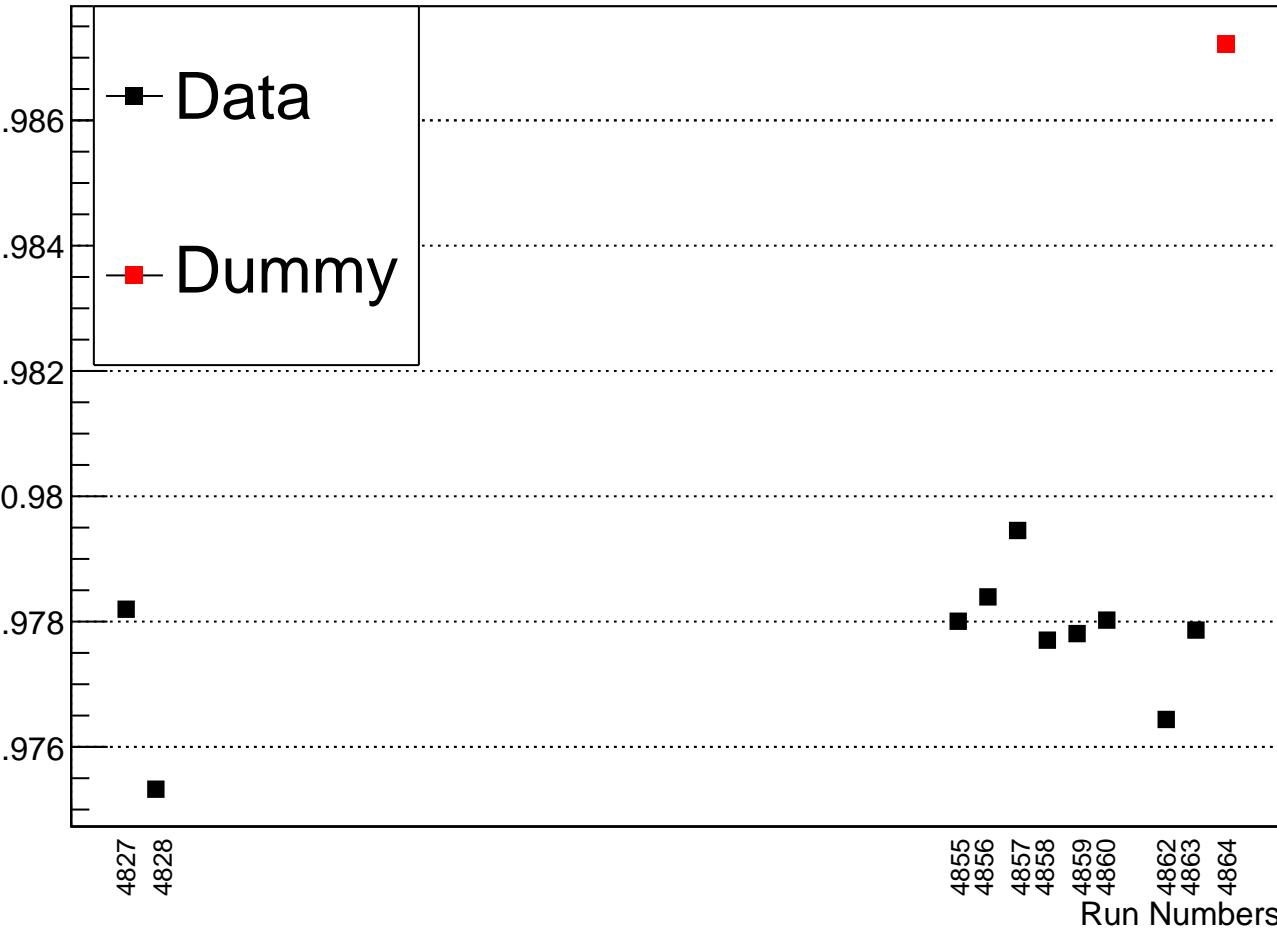
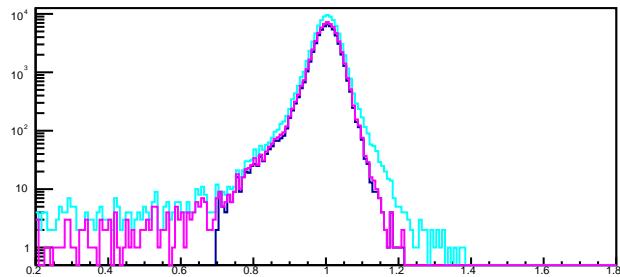


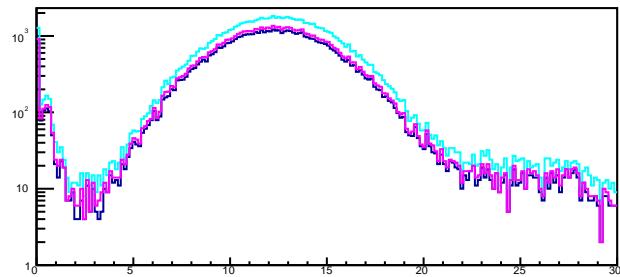
Total Efficiency



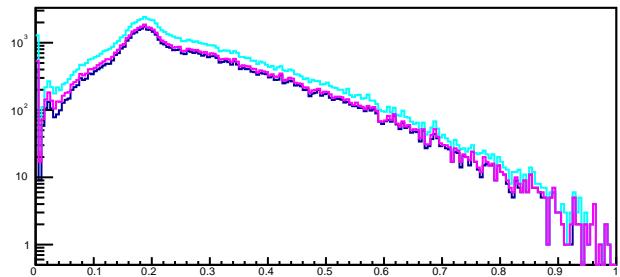
HMS Cal etottracknorm



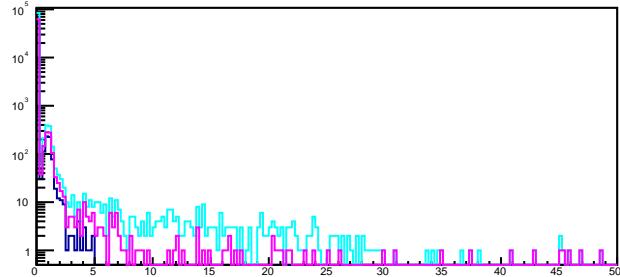
HMS Cer Npe Sum



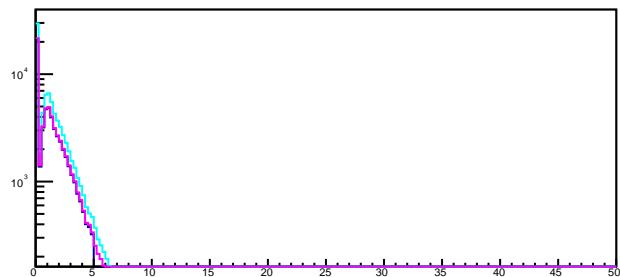
SHMS Cal etottracknorm



SHMS HGCr Npe Sum



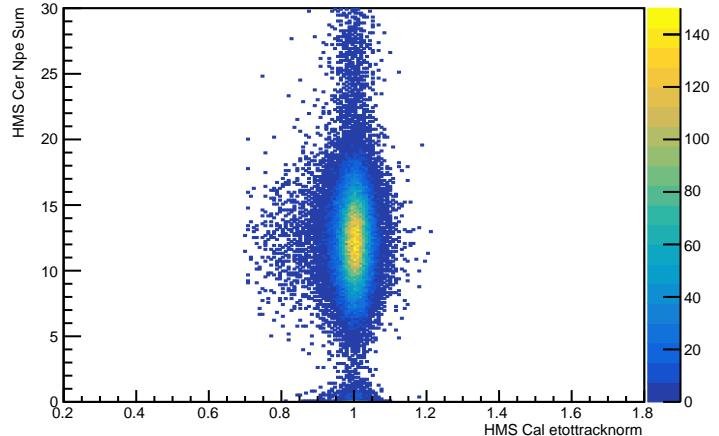
SHMS Aero Npe Sum



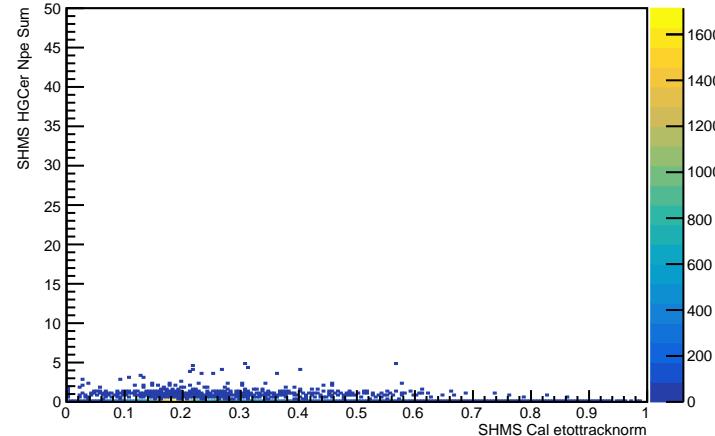
- p cut
- No cut
- No PID cut

```
"CTime_epCoinTime_ROC1" : (CTime_epCoinTime_ROC1 > ((0)-(4.008)(2.0)-(0.25)) & (CTime_epCoinTime_ROC1 < ((0)+((4.008)(2.0)+(0.25)))  
"P_gtr_beta" : (abs(P_gtr_beta-1) < 0.3)  
"P_hgcer_npeSum" : (P_hgcer_npeSum <= 5.0)  
"P_aero_npeSum" : (P_aero_npeSum <= 5.0)  
"H_cal_etottracknorm" : (H_cal_etottracknorm > 0.7)  
"P_cal_stottracknorm" : (P_cal_stottracknorm >= 0.0)
```

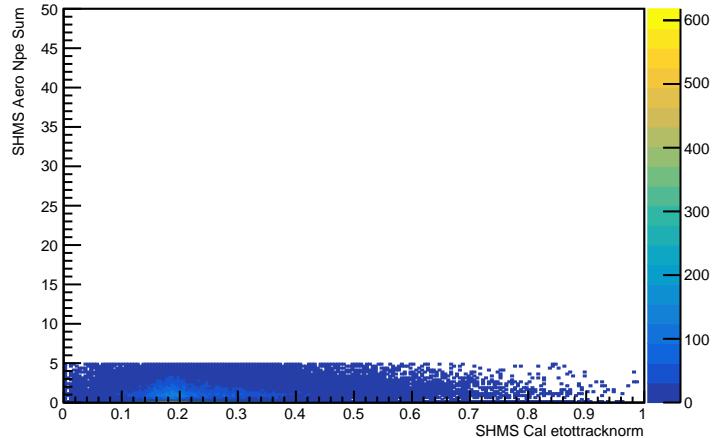
HMS Cal etottracknorm vs HMS Cer Npe Sum



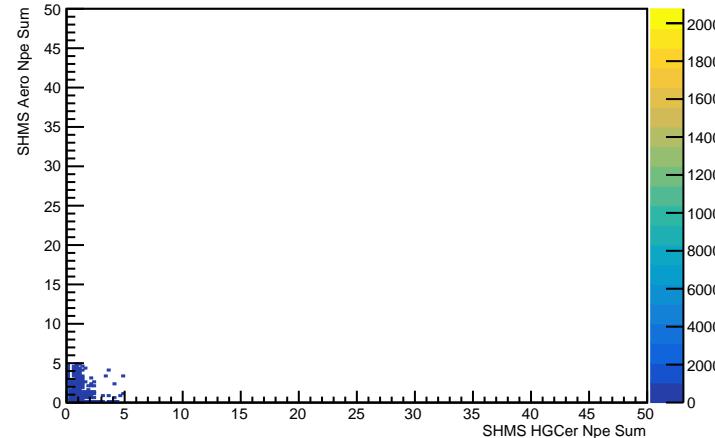
SHMS Cal etottracknorm vs SHMS HGcer Npe Sum



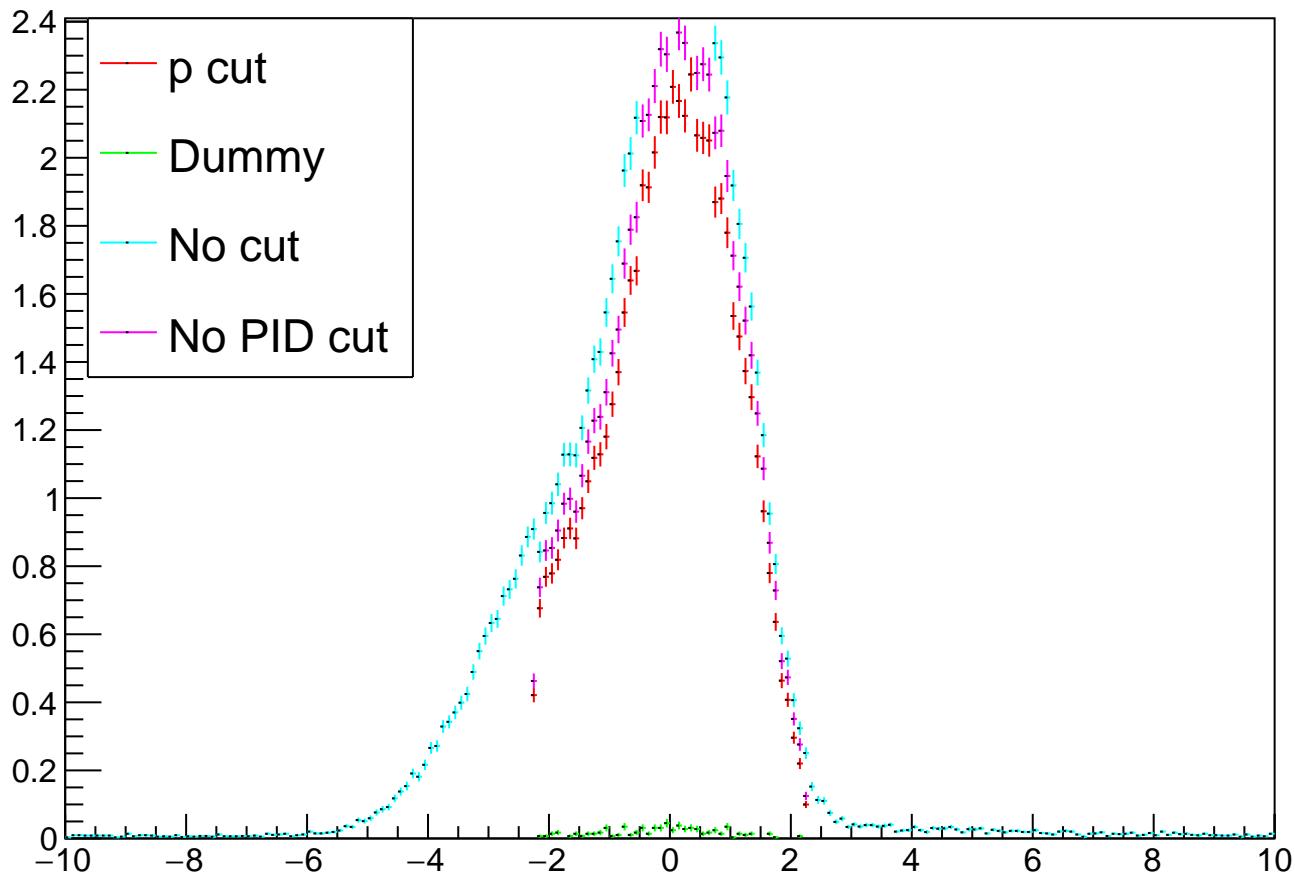
SHMS Cal etottracknorm vs SHMS Aero Npe Sum



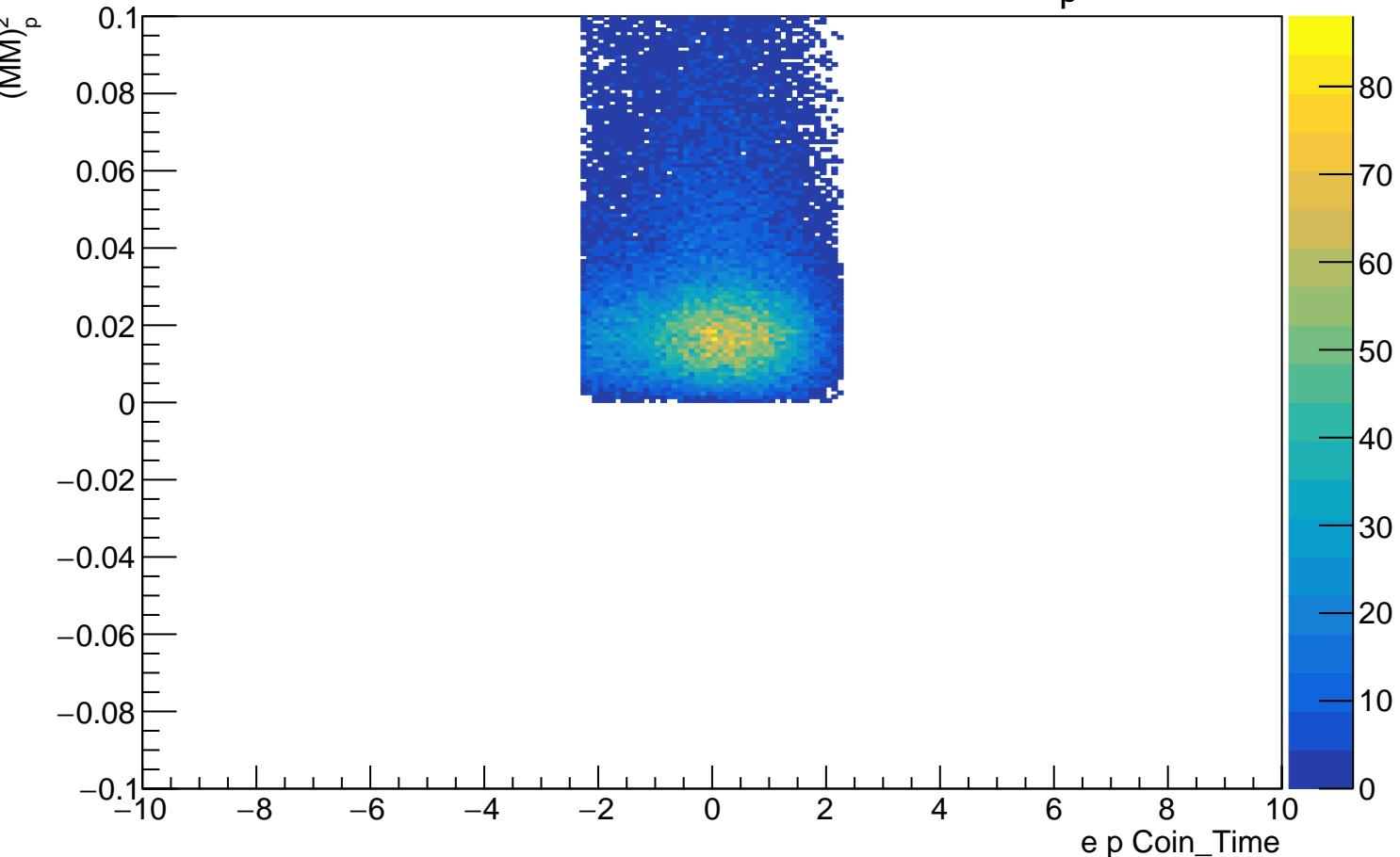
SHMS HGcer Npe Sum vs SHMS Aero Npe Sum



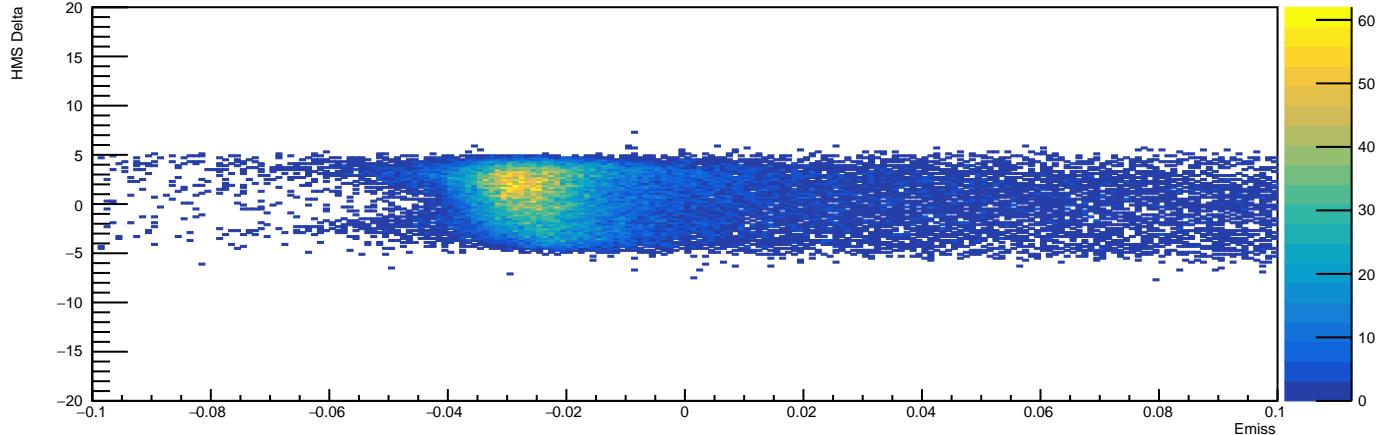
# Electron-Proton CTime



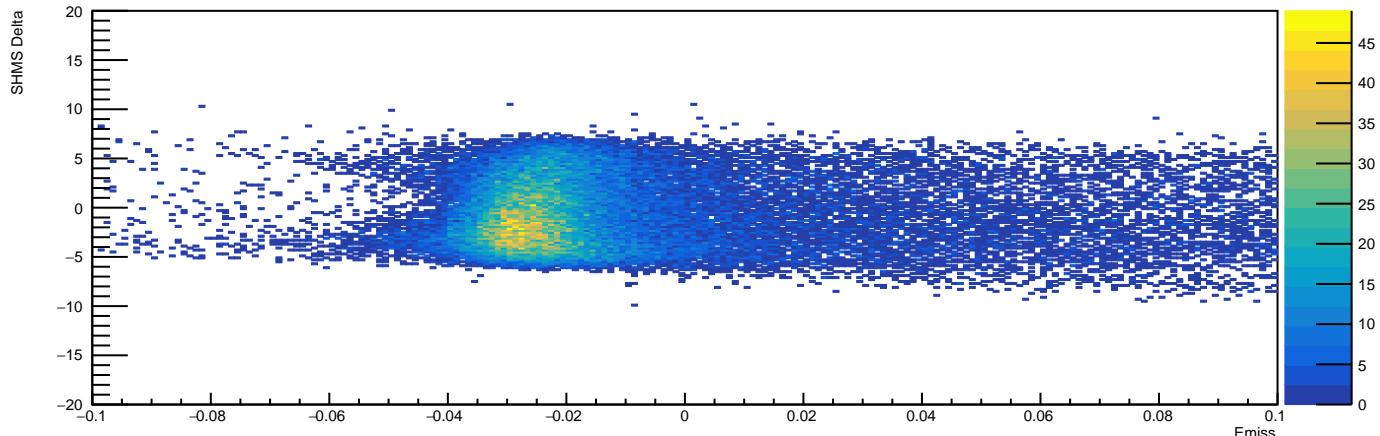
# Electron-Proton CTime vs $(MM_p)^2$



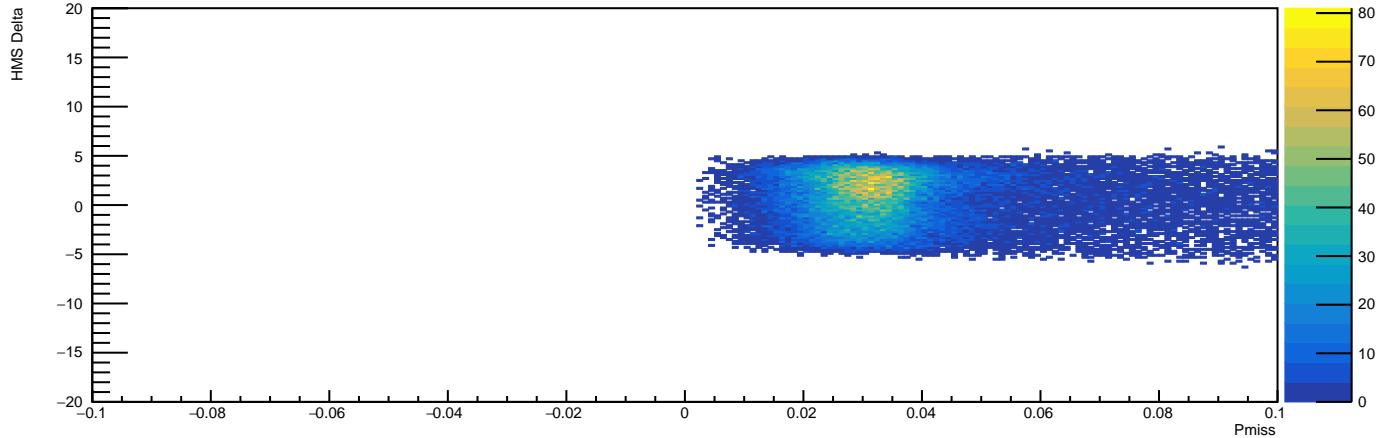
Emiss vs HMS Delta



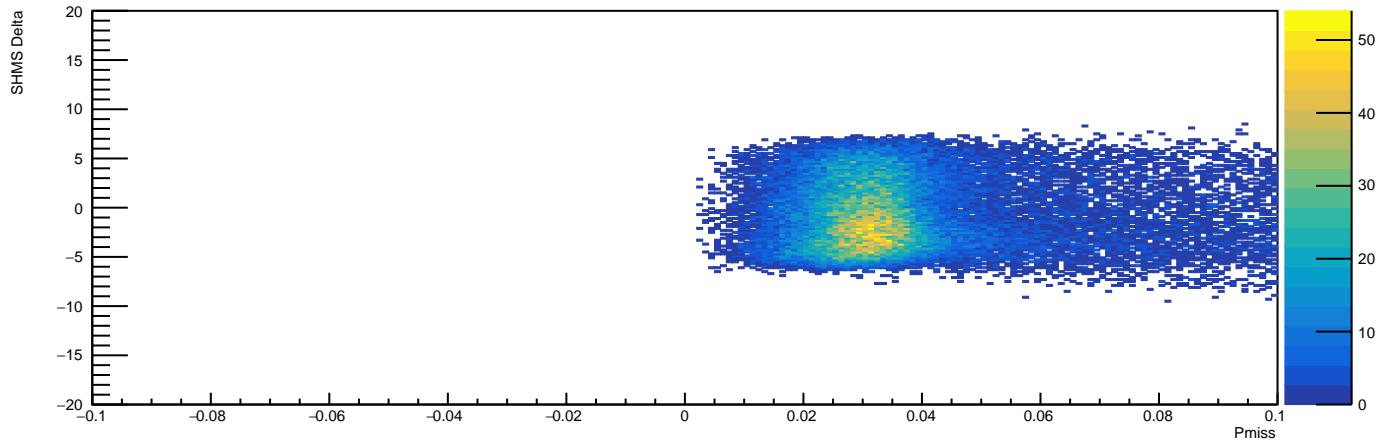
Emiss vs SHMS Delta



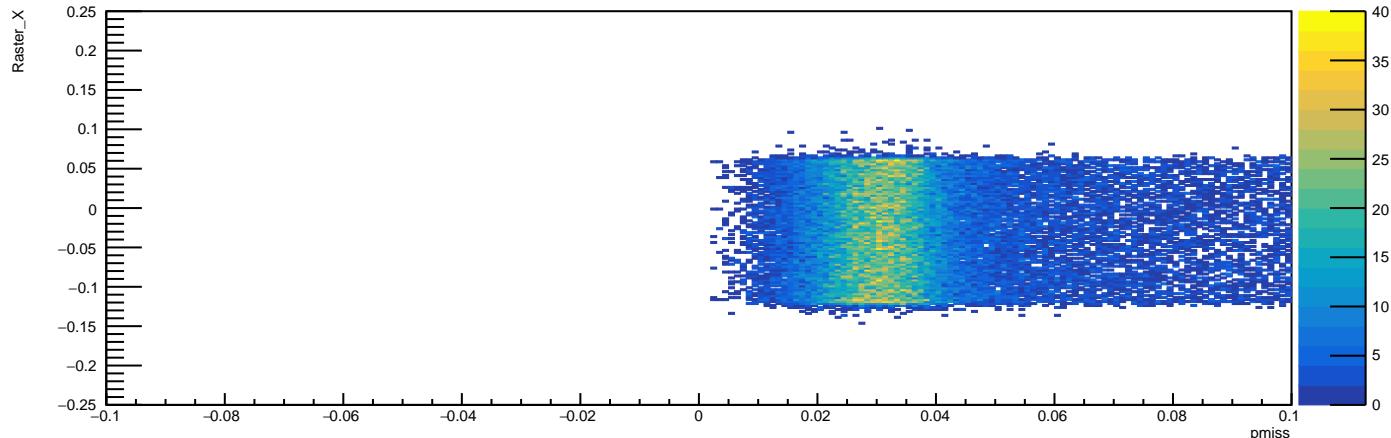
Pmiss vs HMS Delta



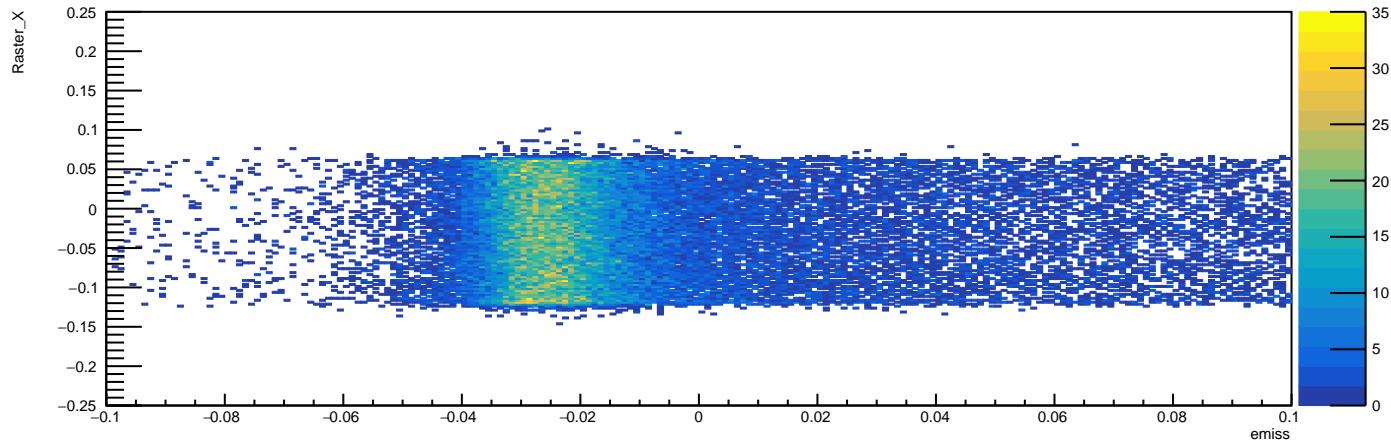
Pmiss vs SHMS Delta



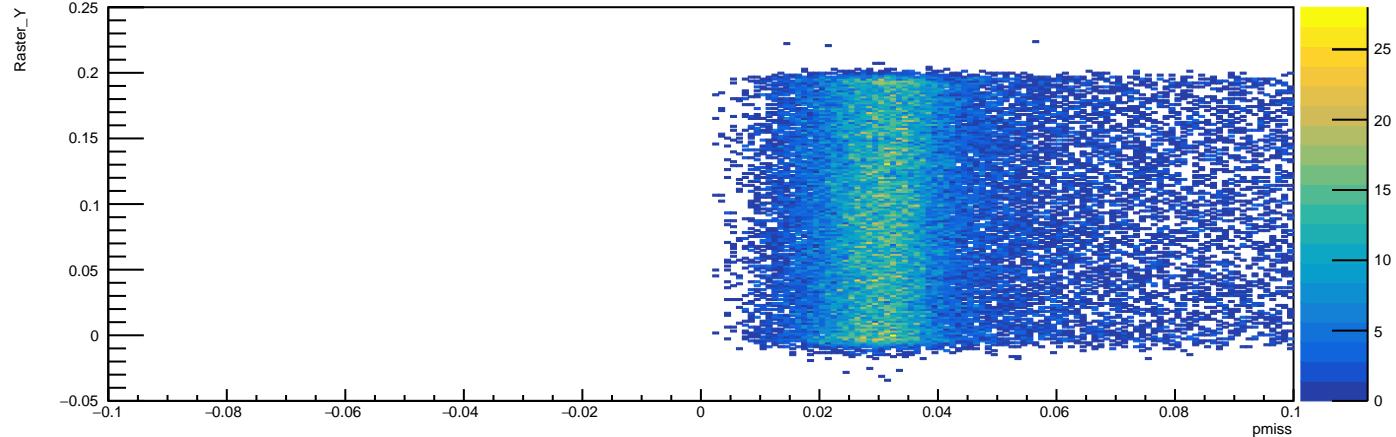
Raster\_X vs pmiss



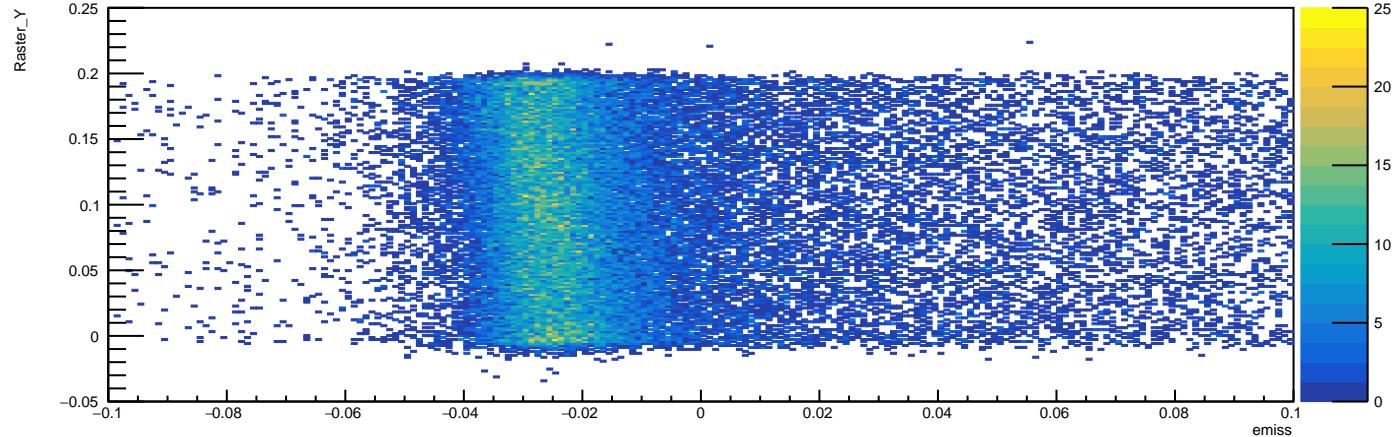
Raster\_X vs emiss



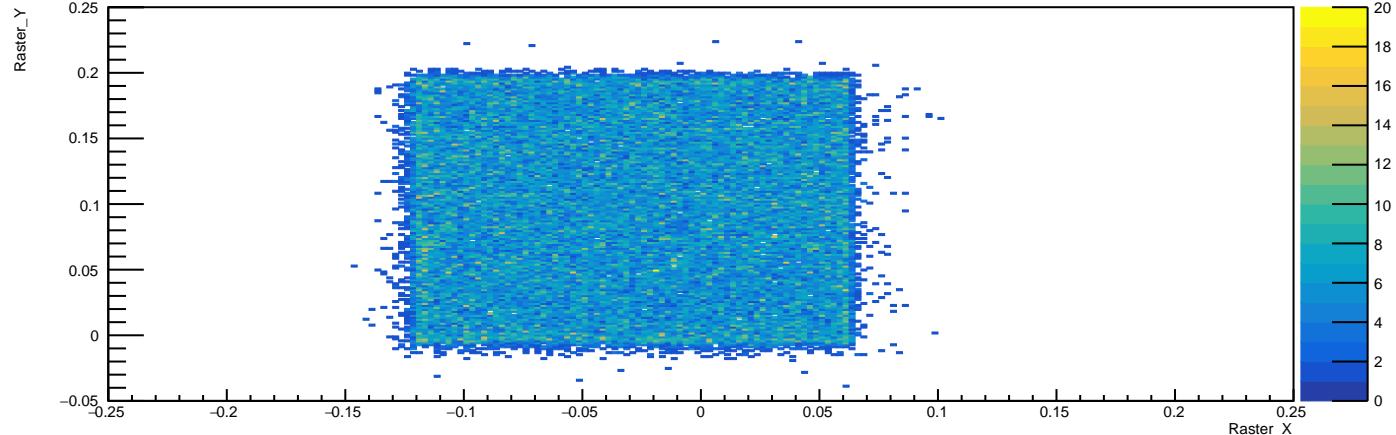
Raster\_Y vs pmiss



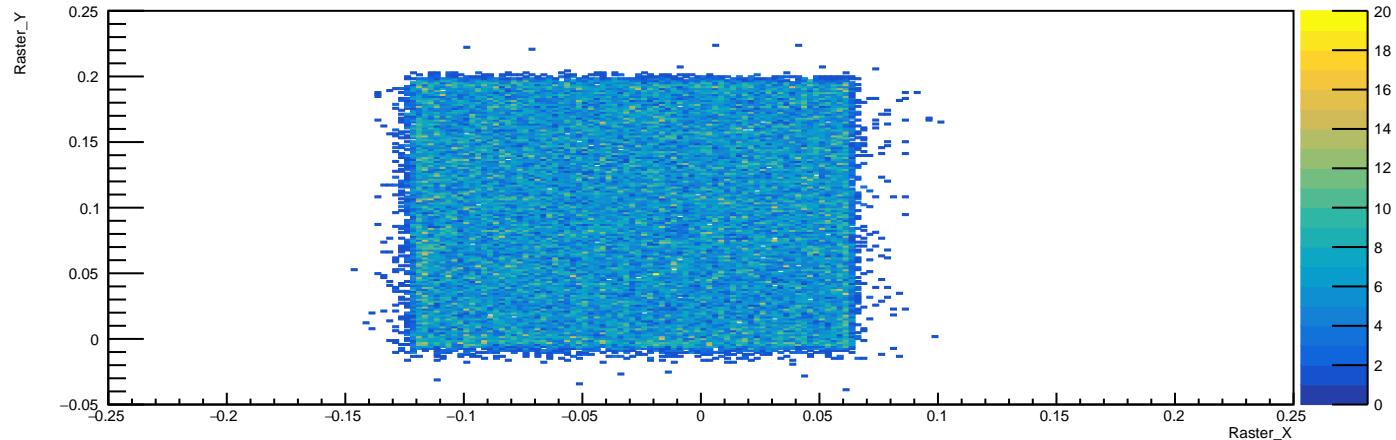
Raster\_Y vs emiss



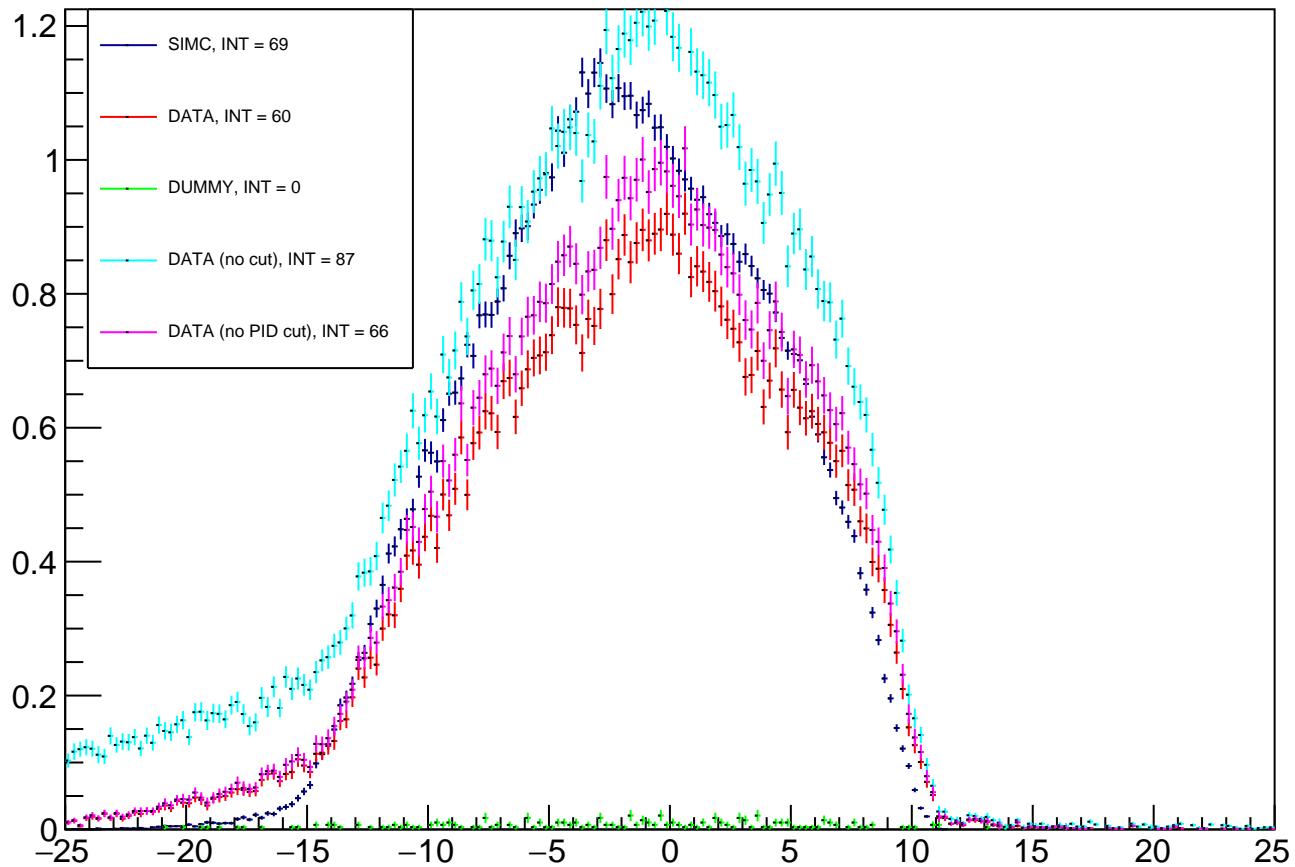
Raster\_X vs Raster\_Y



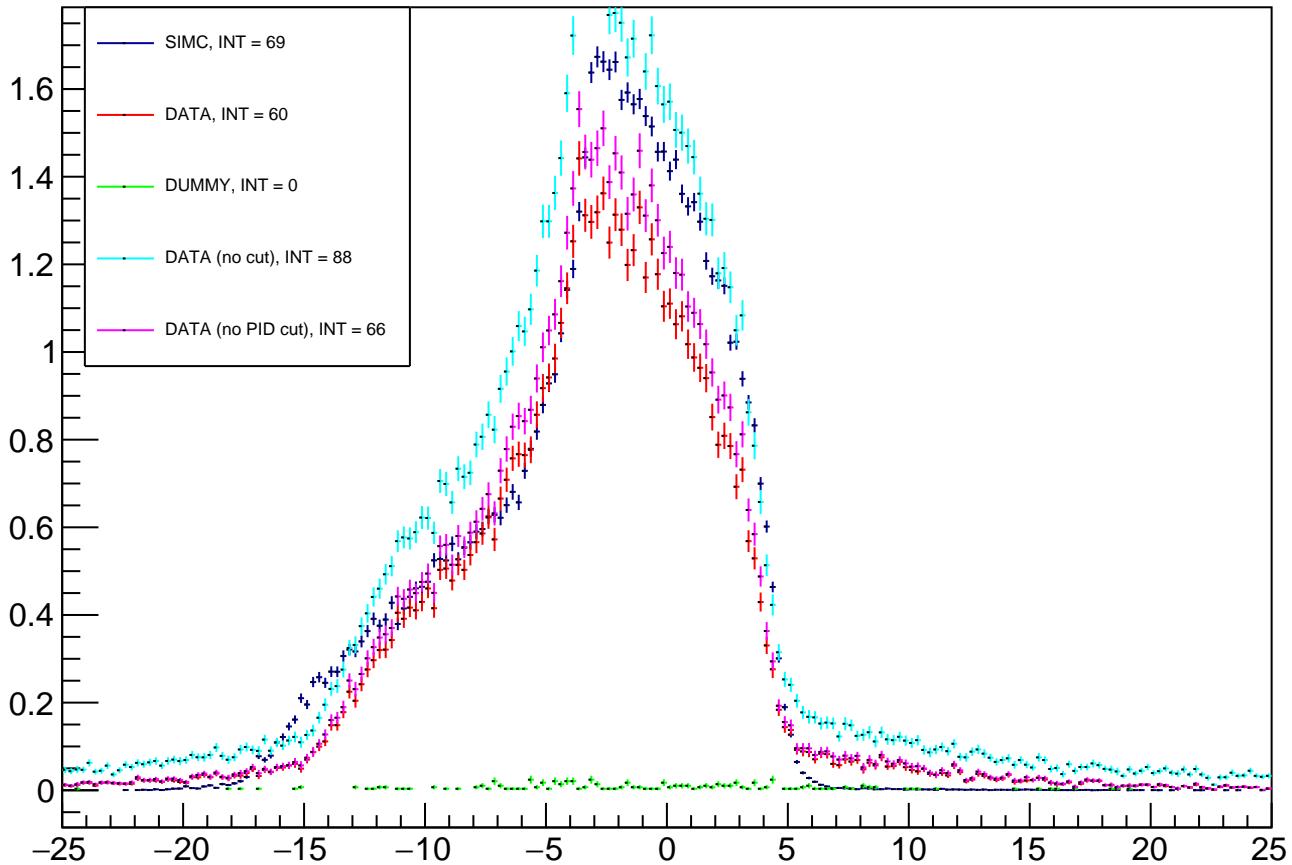
Raster\_X vs Raster\_Y



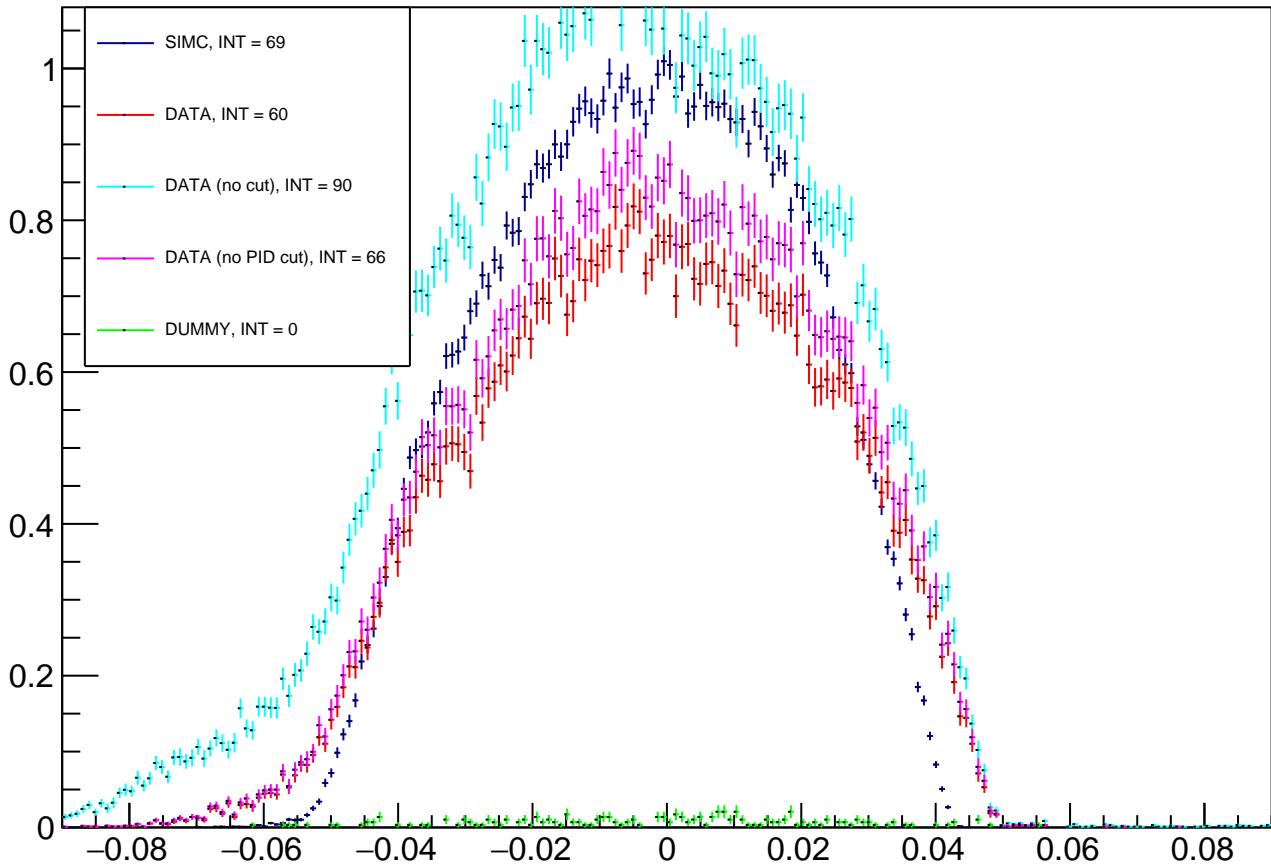
# SHMS xfp



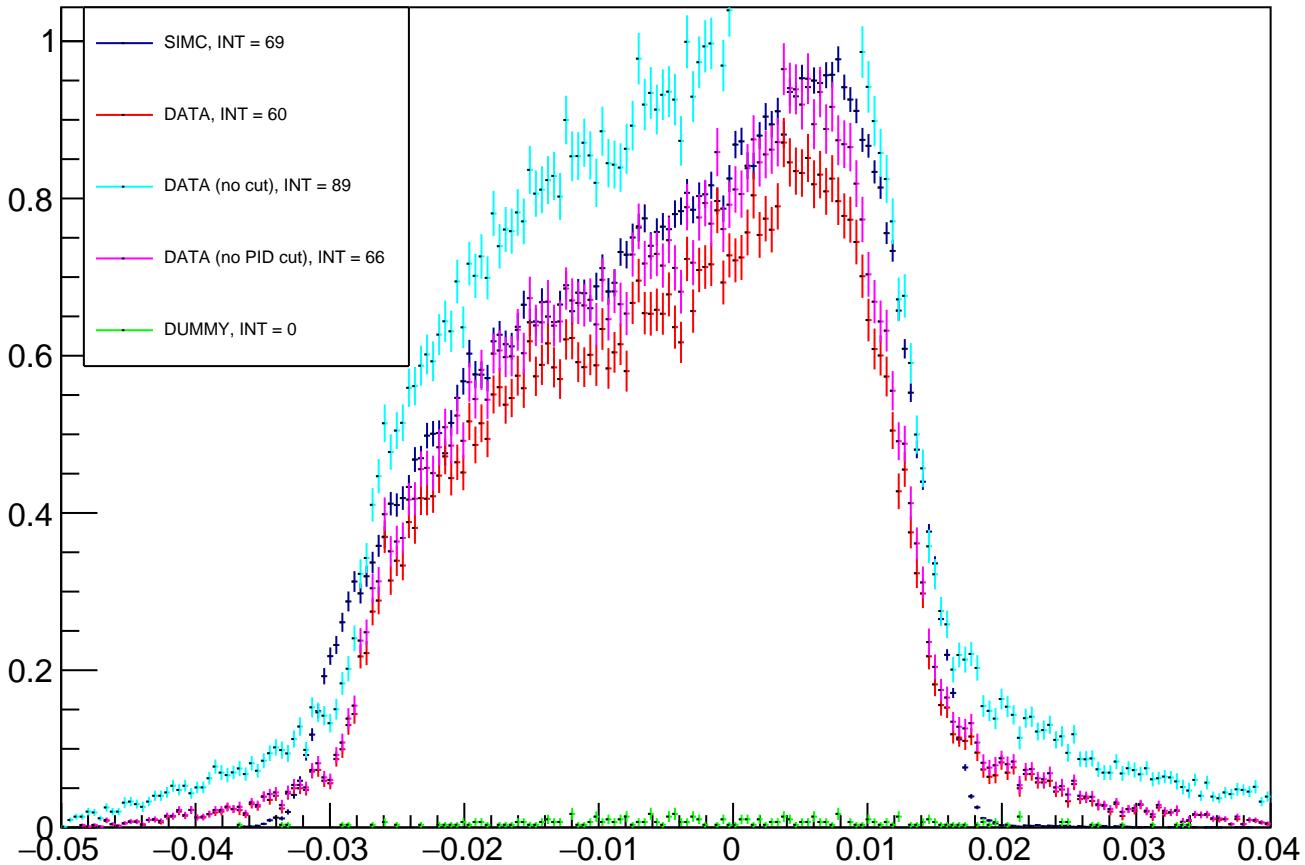
# SHMS yfp



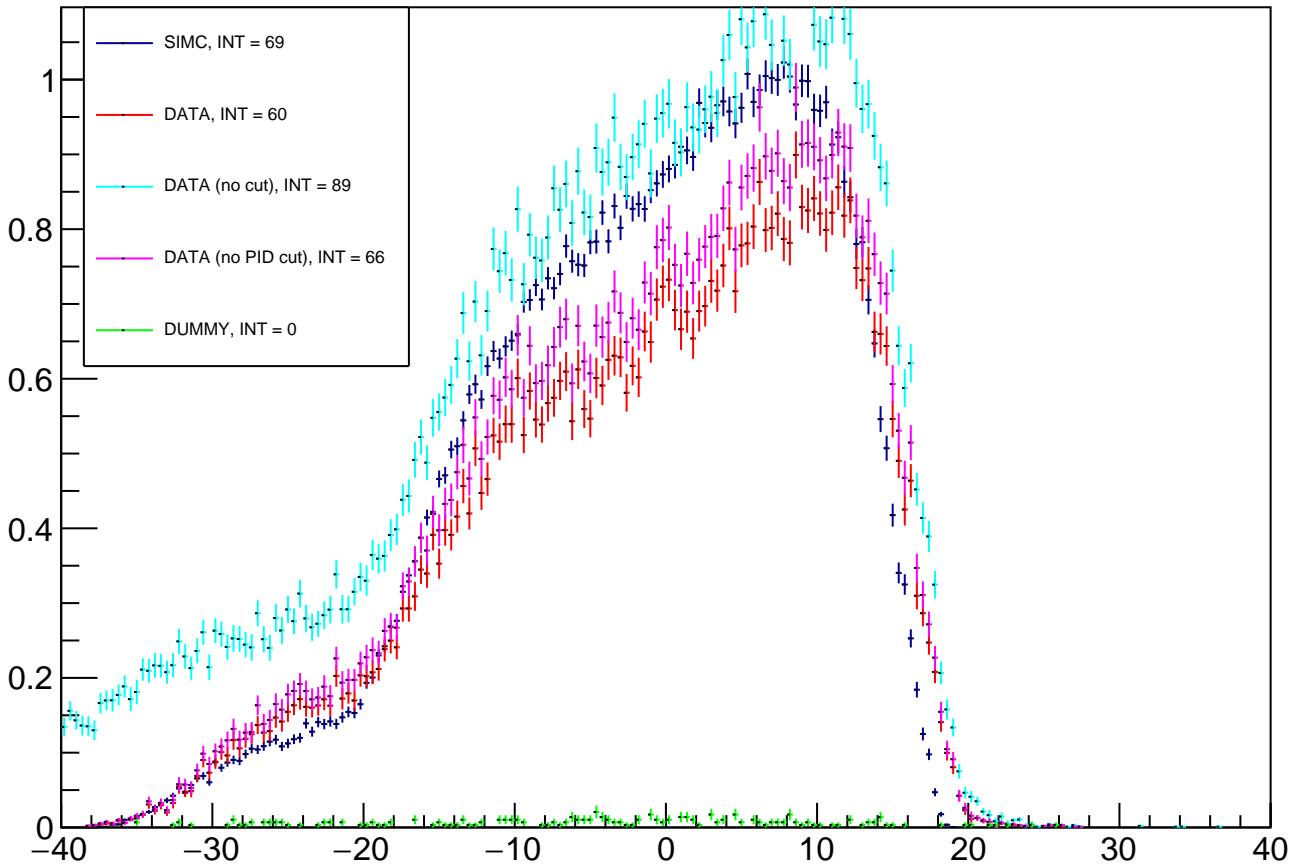
# SHMS xpfp



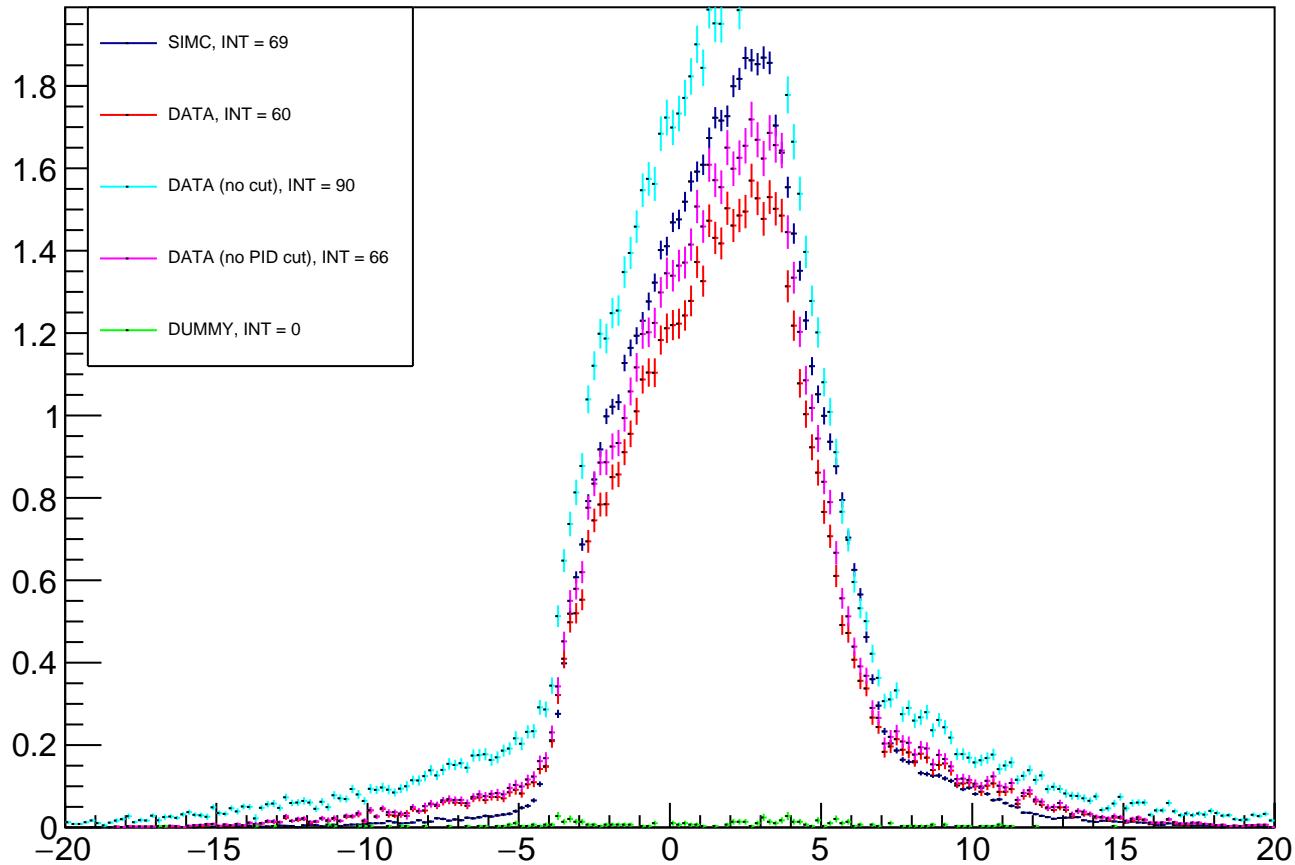
# SHMS ypf



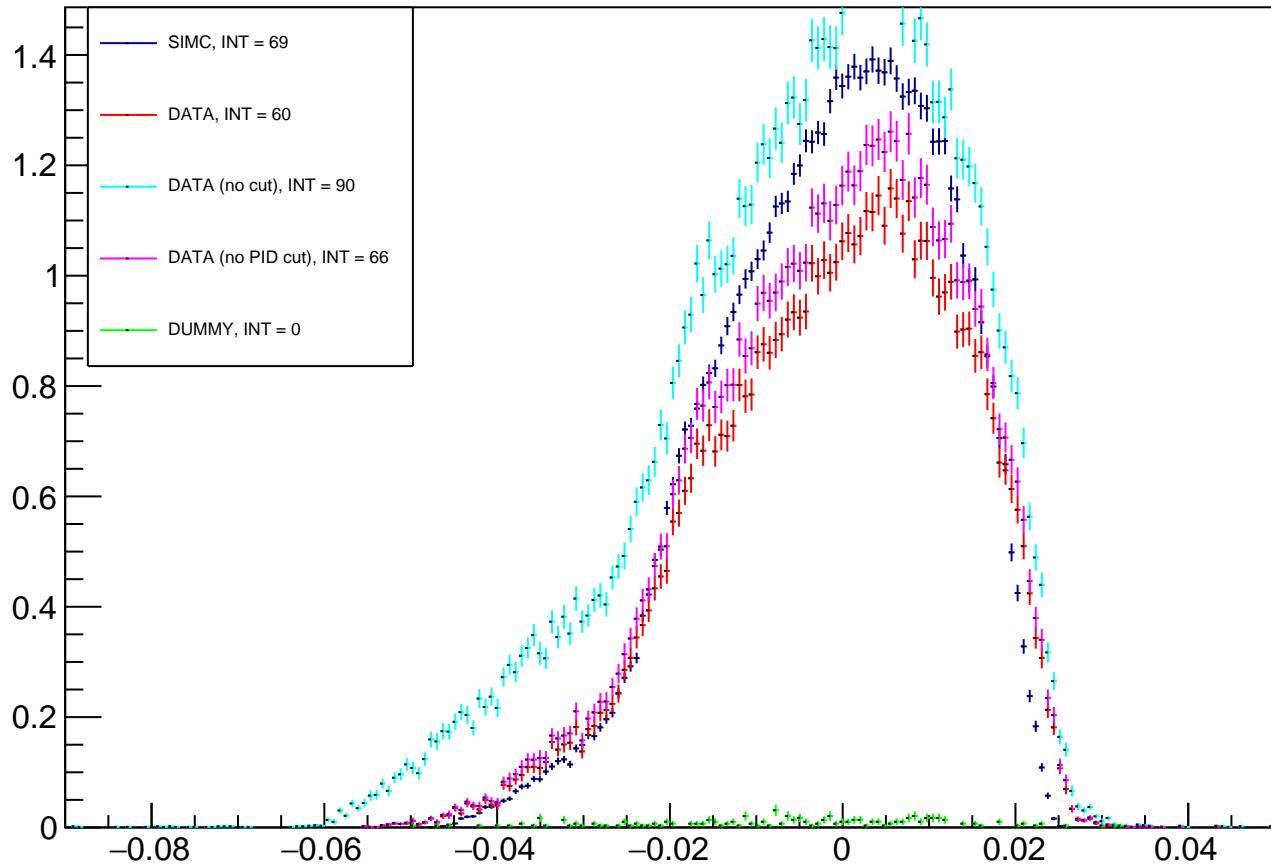
# HMS xfp



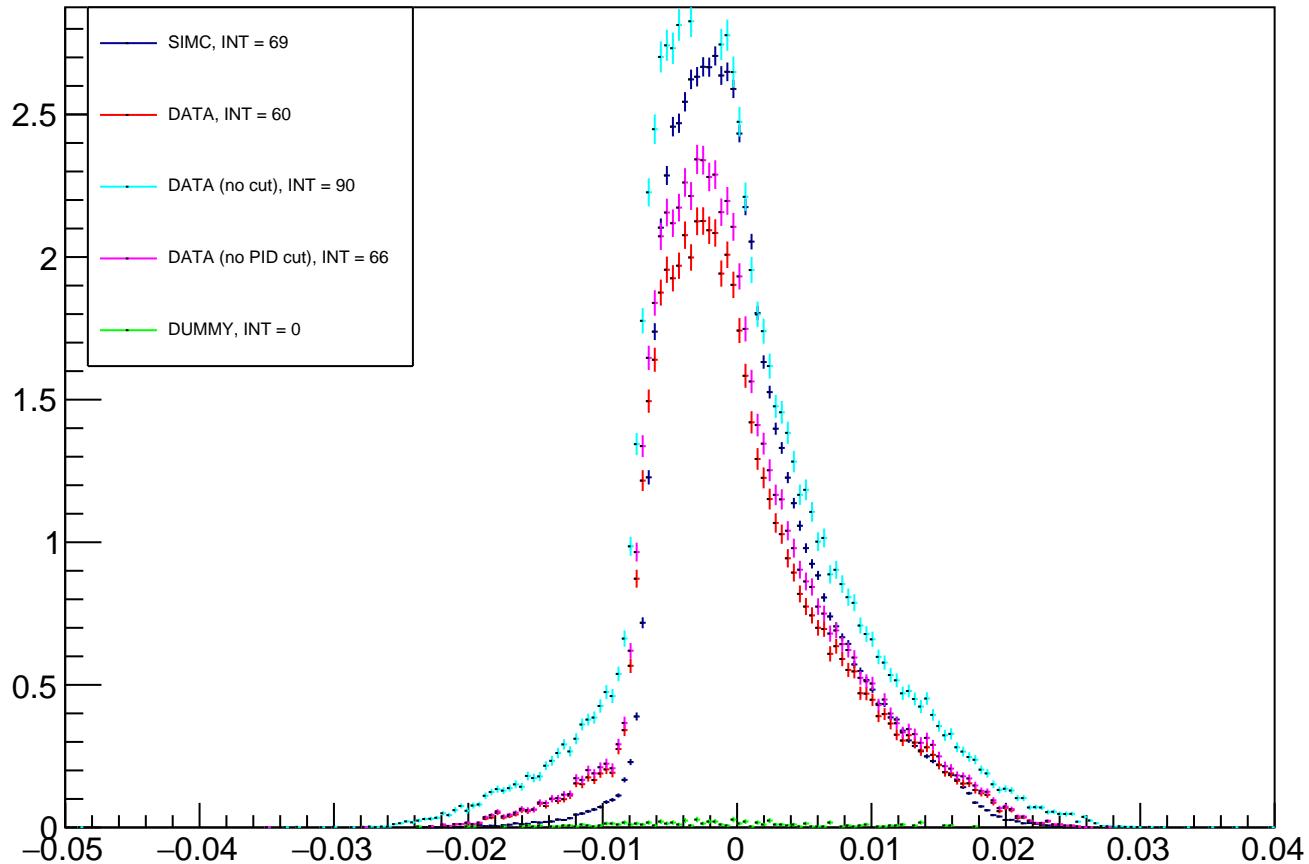
# HMS yfp



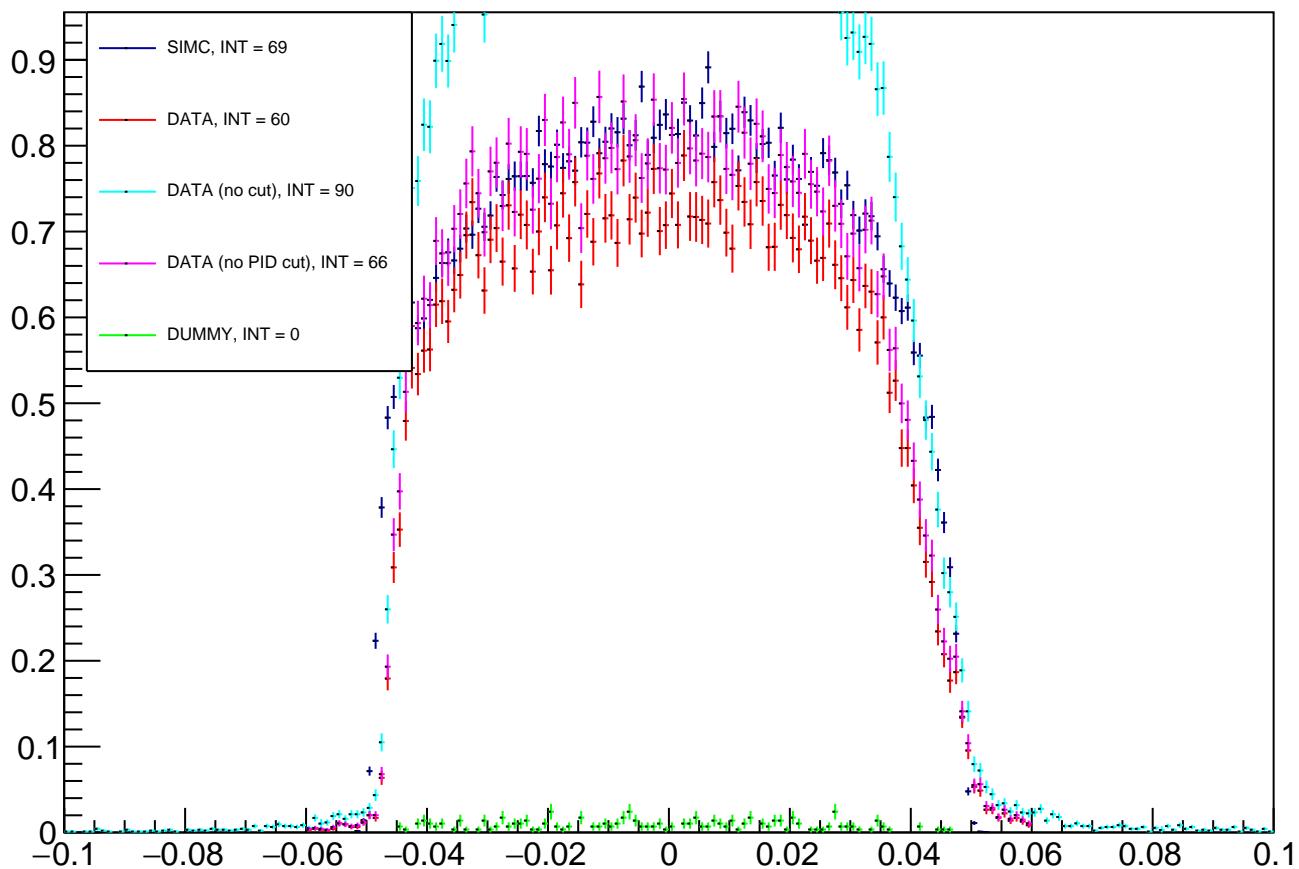
# HMS xpfp



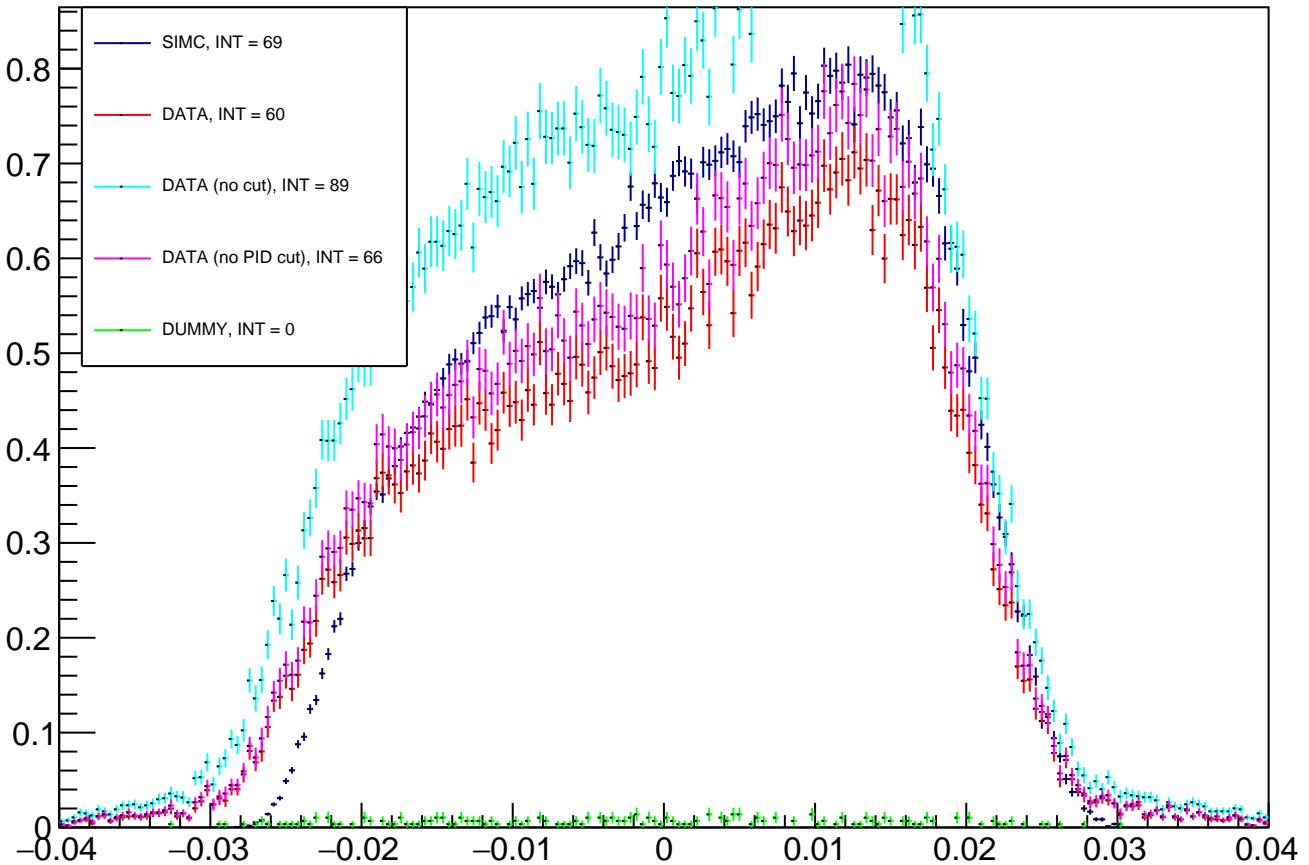
# HMS ypf



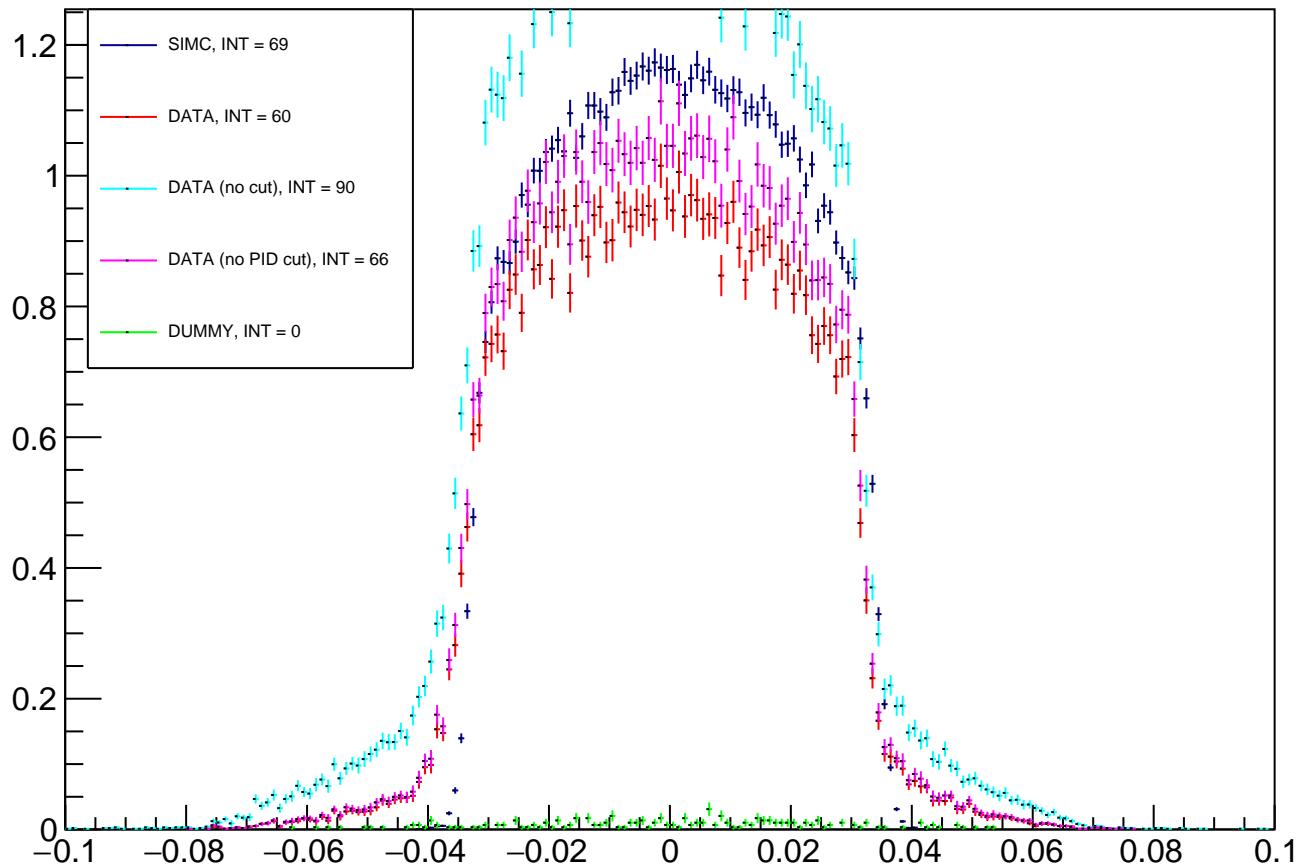
# SHMS xptar



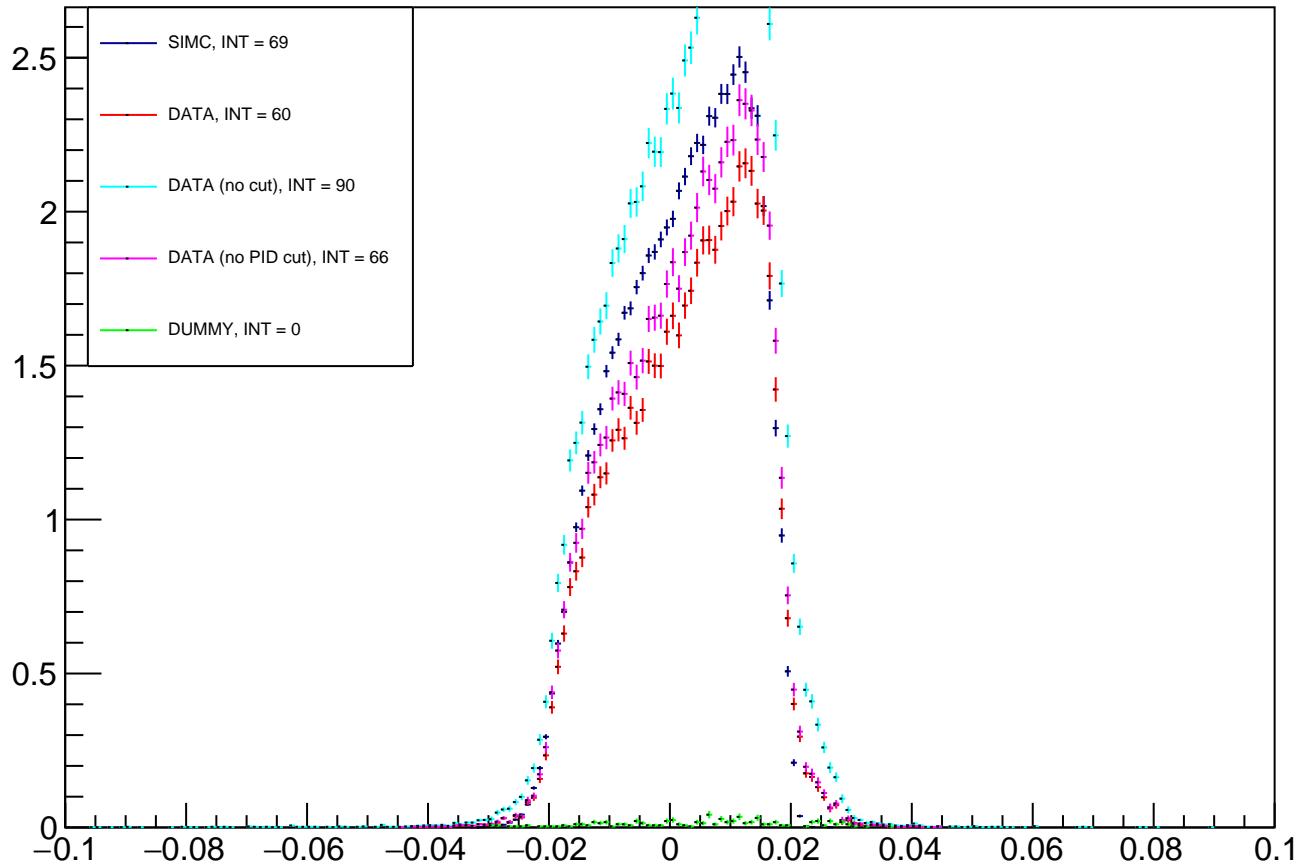
# SHMS yptar



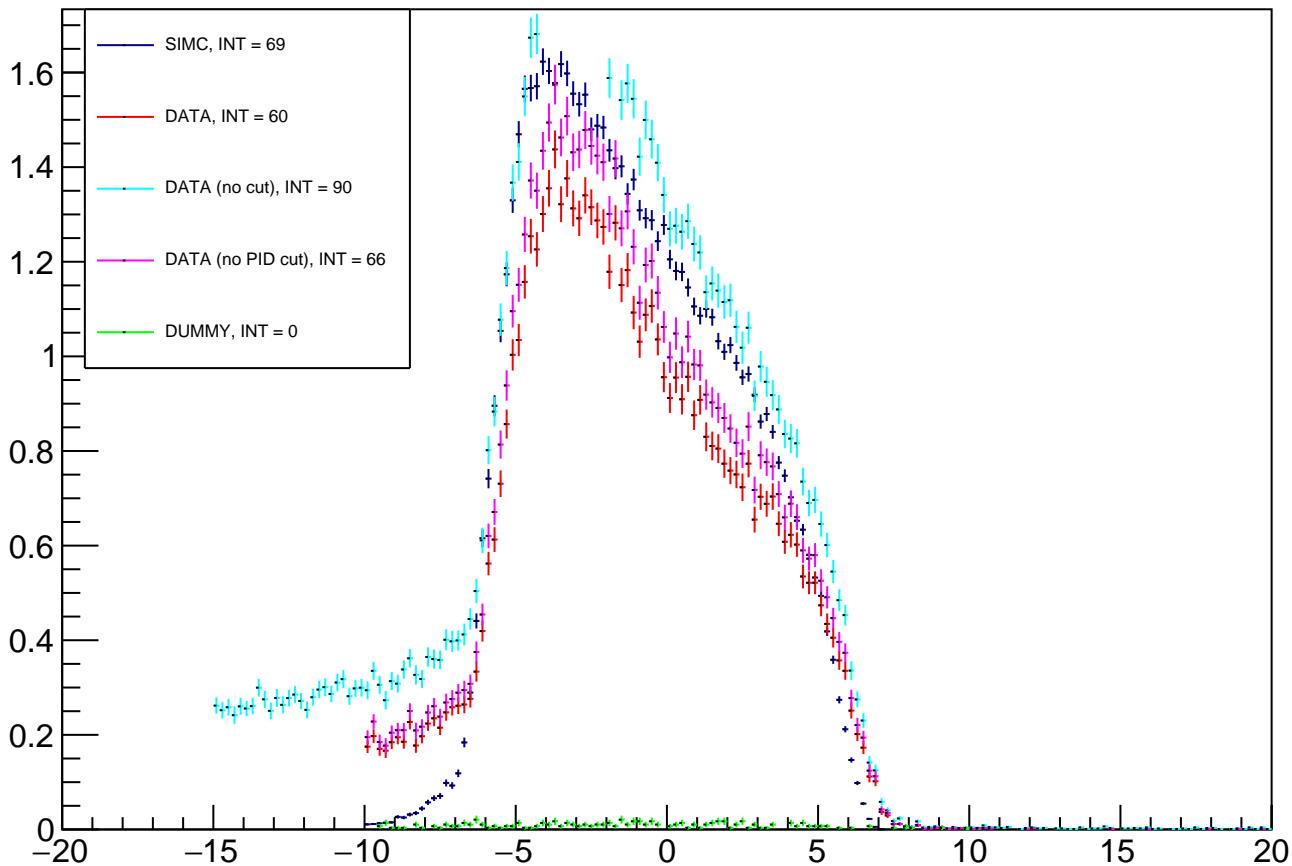
# HMS xptar



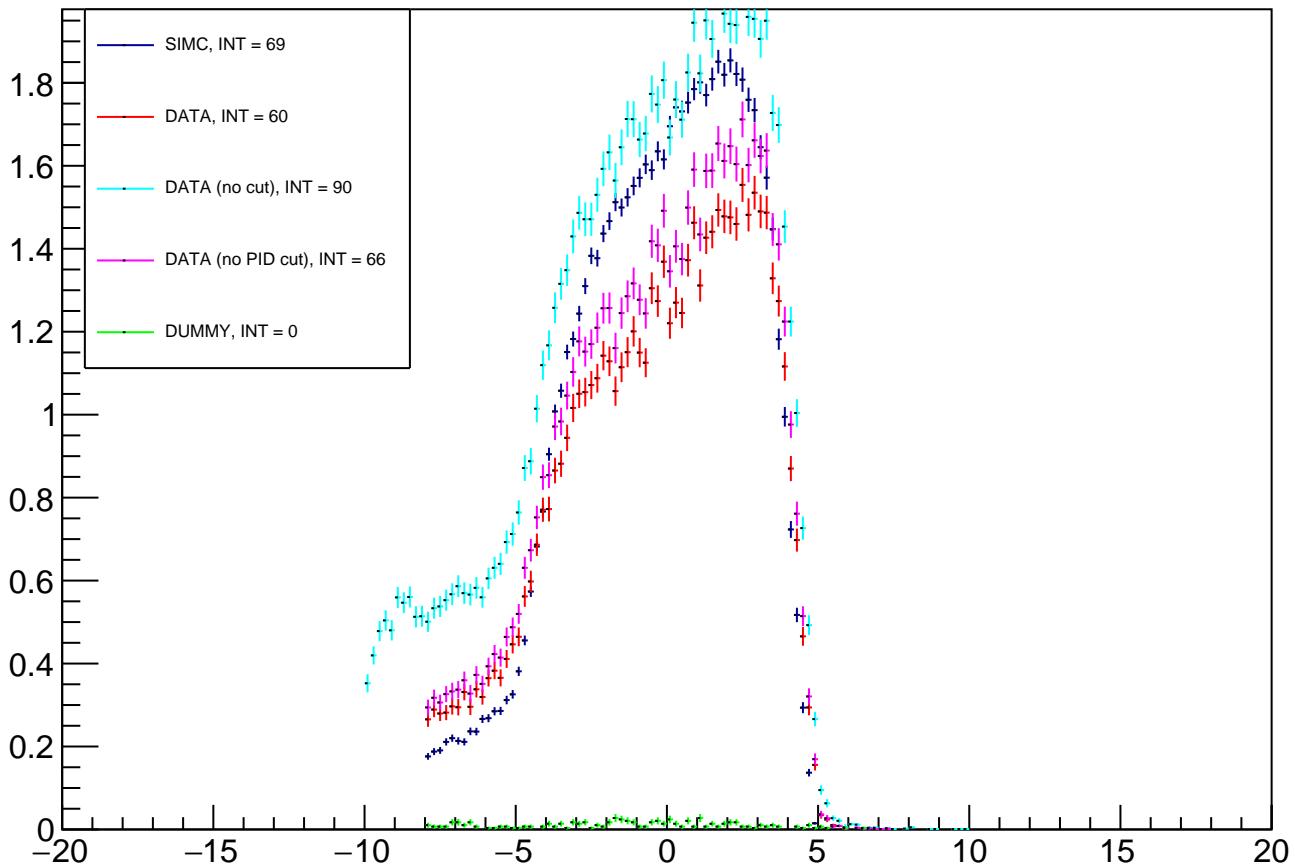
# HMS yptar



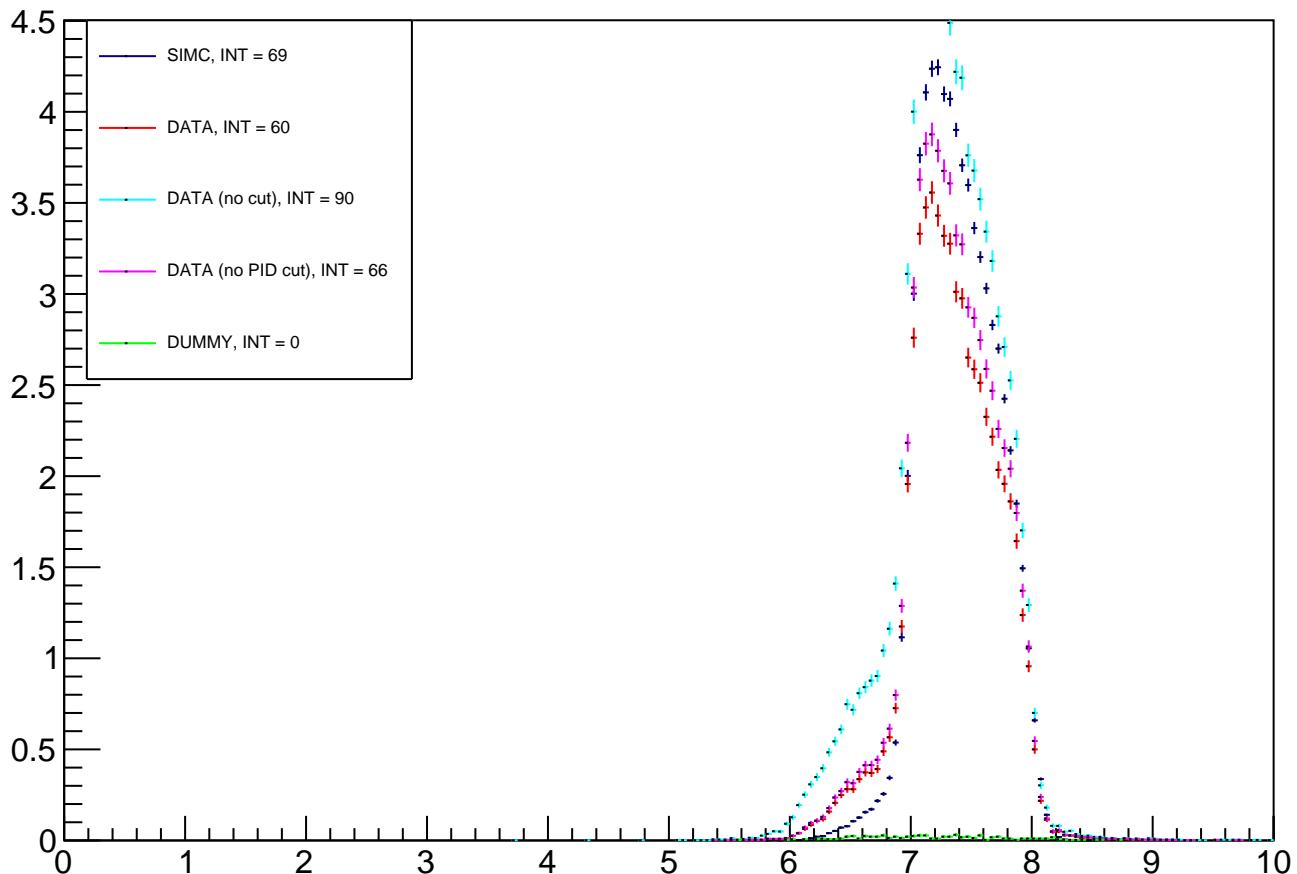
# SHMS delta



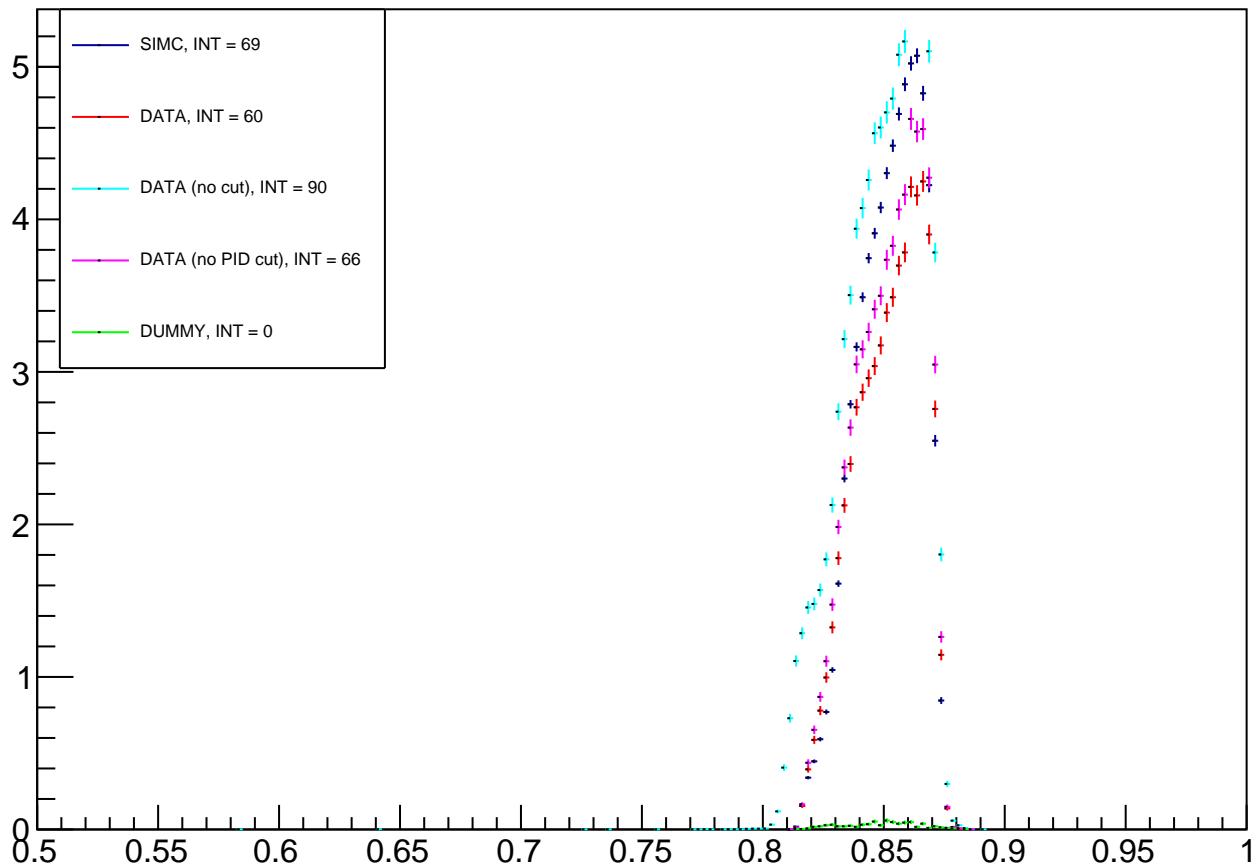
# HMS Delta

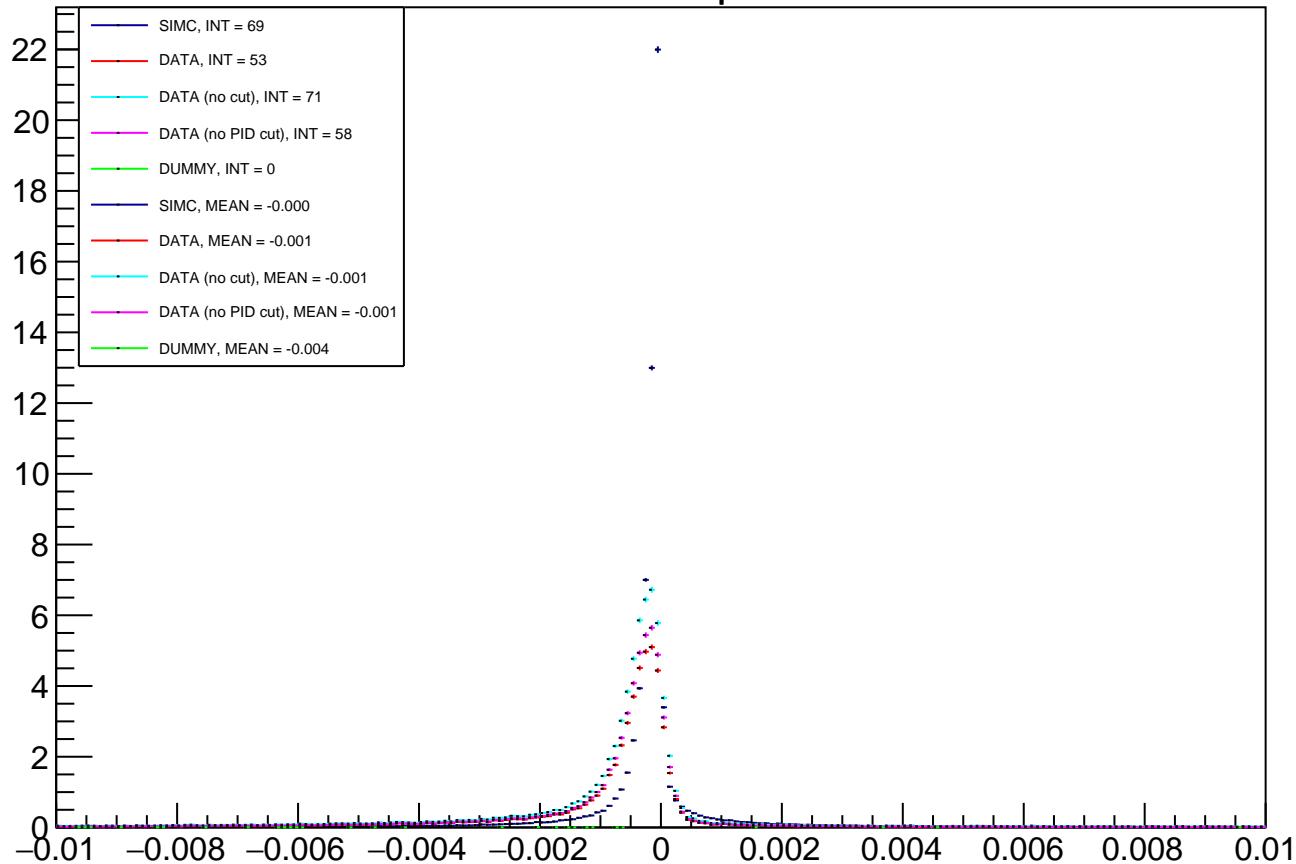


# Q2

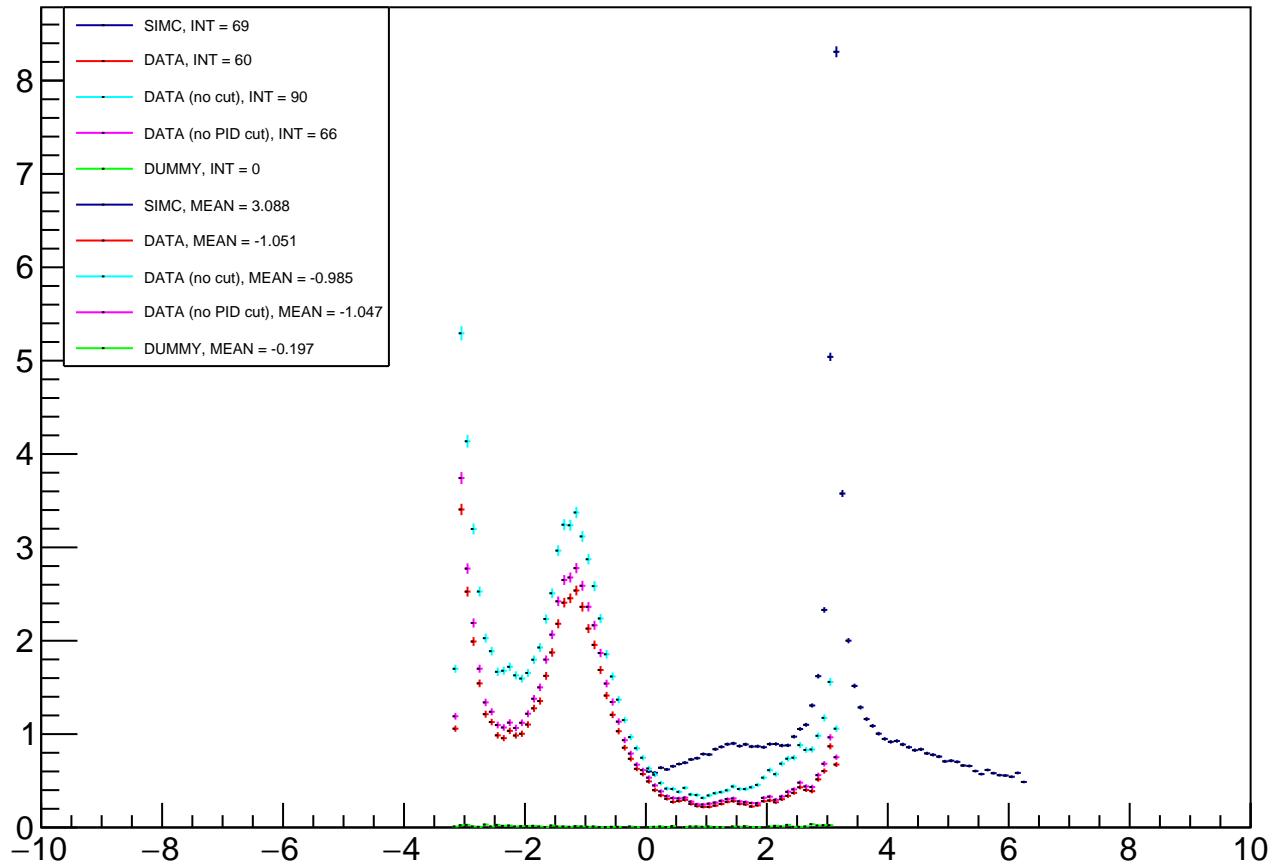


# epsilon

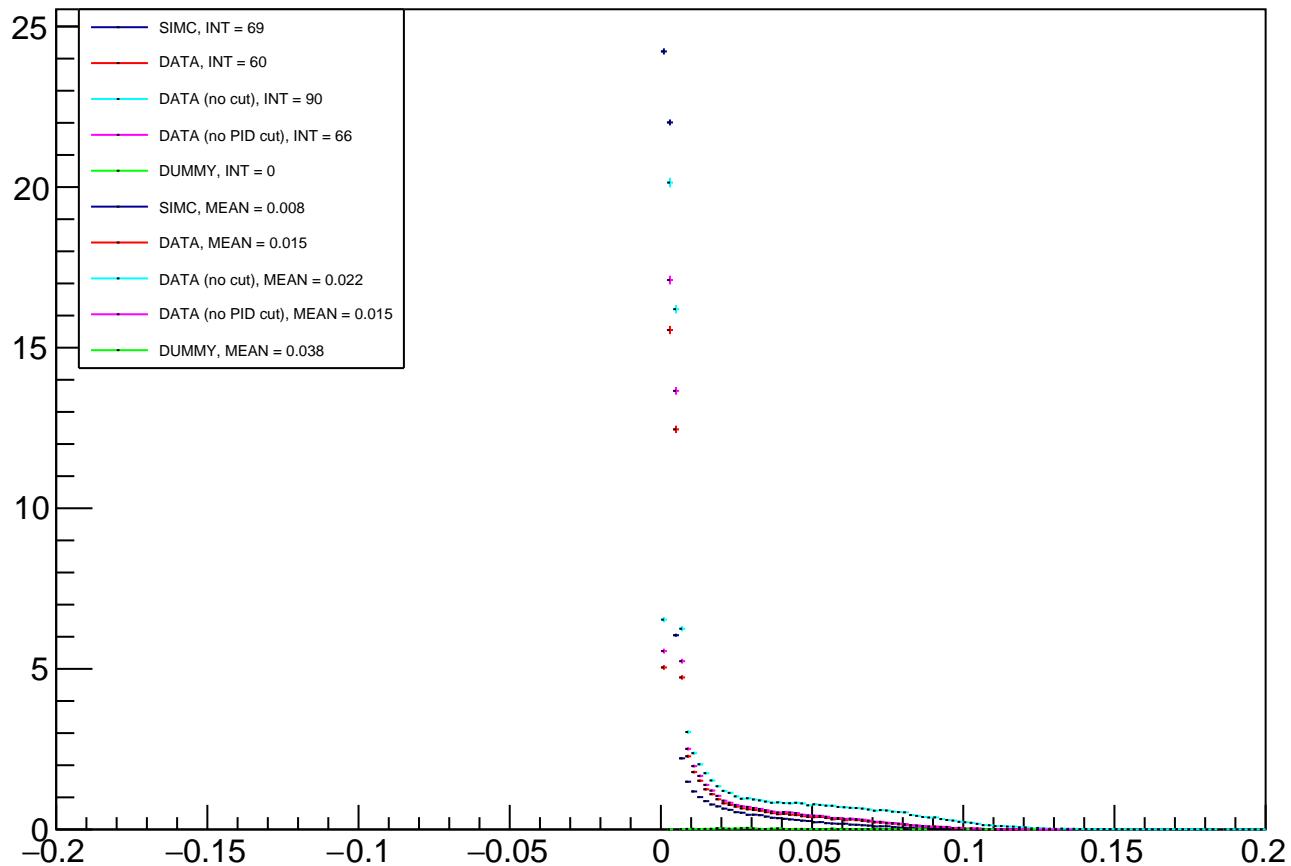


$$(\mathbf{M}\mathbf{M})_p^2$$


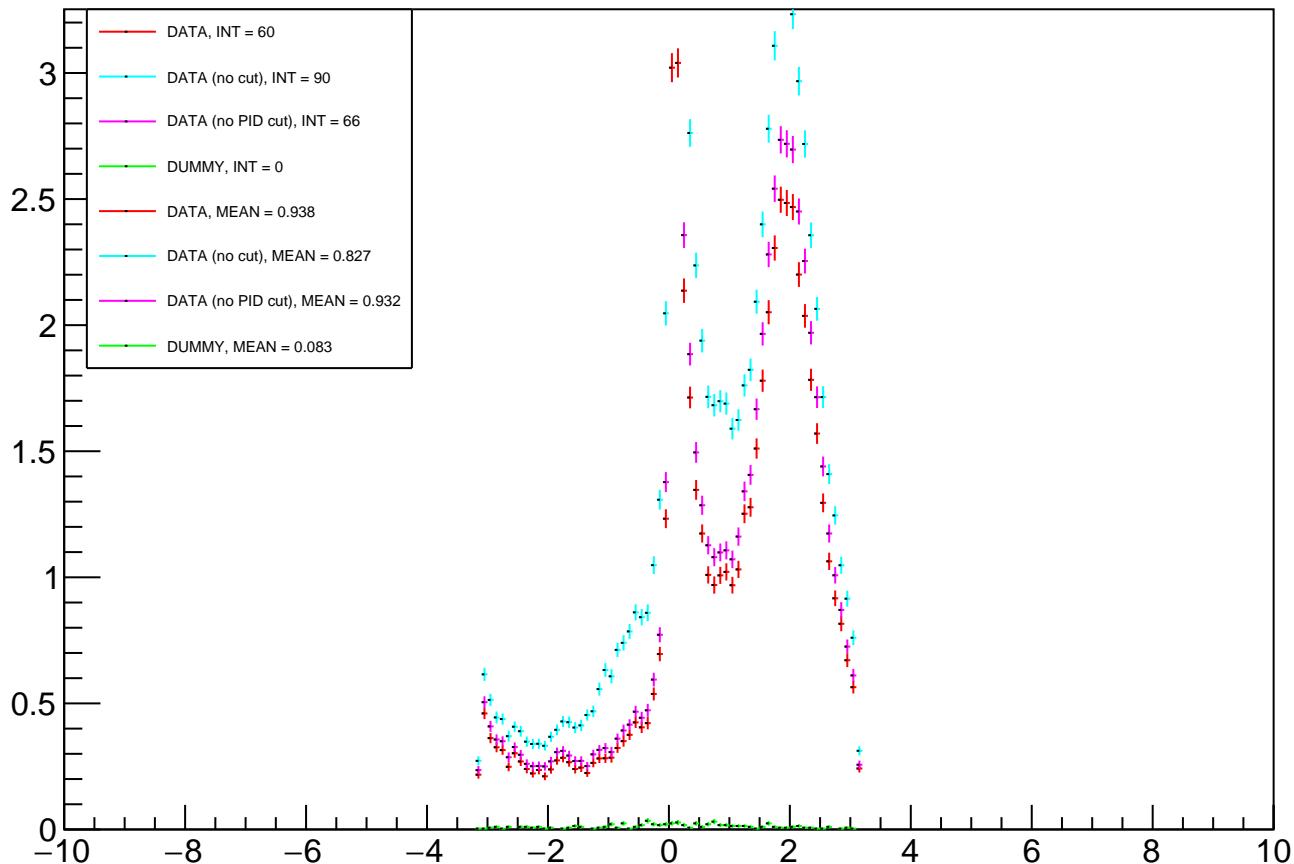
# Phi Detected



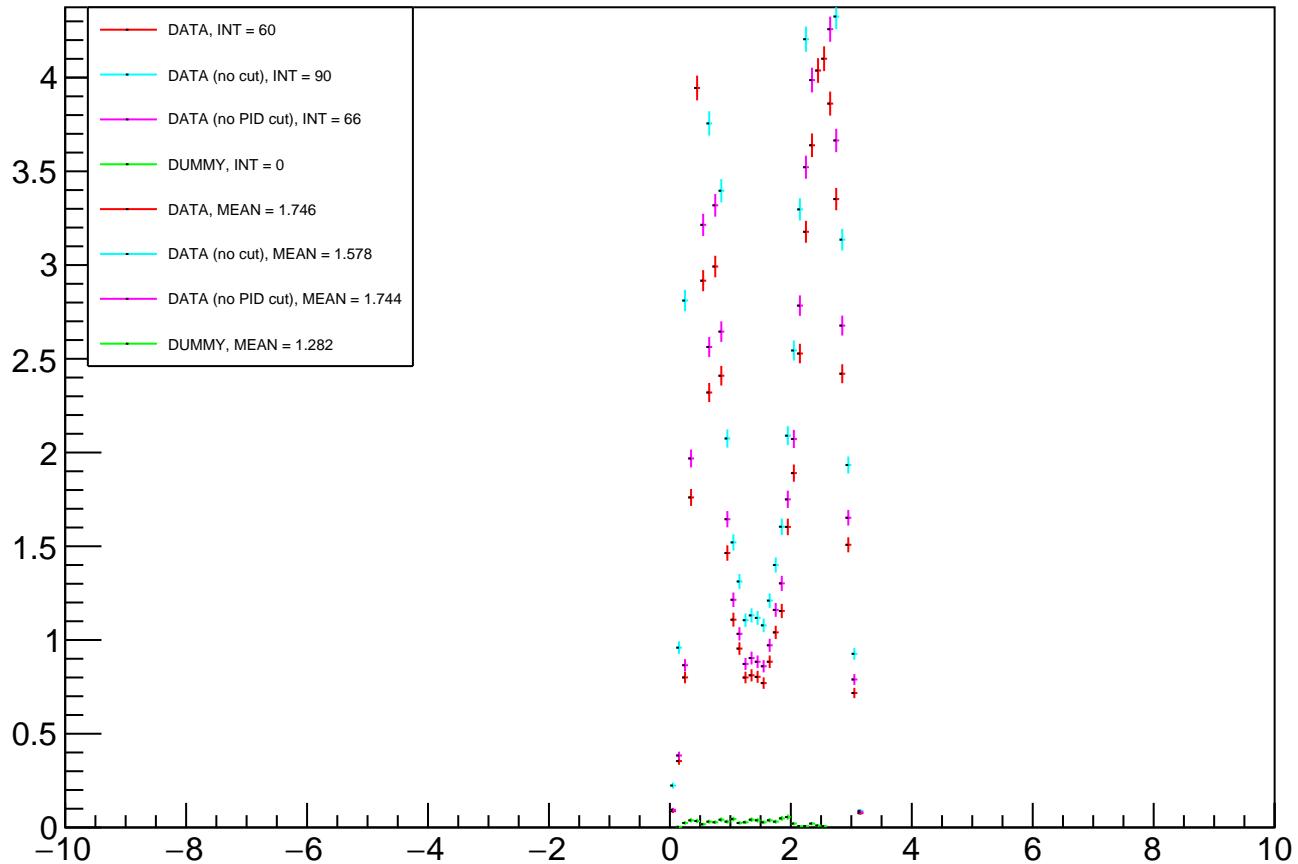
# Theta Detected



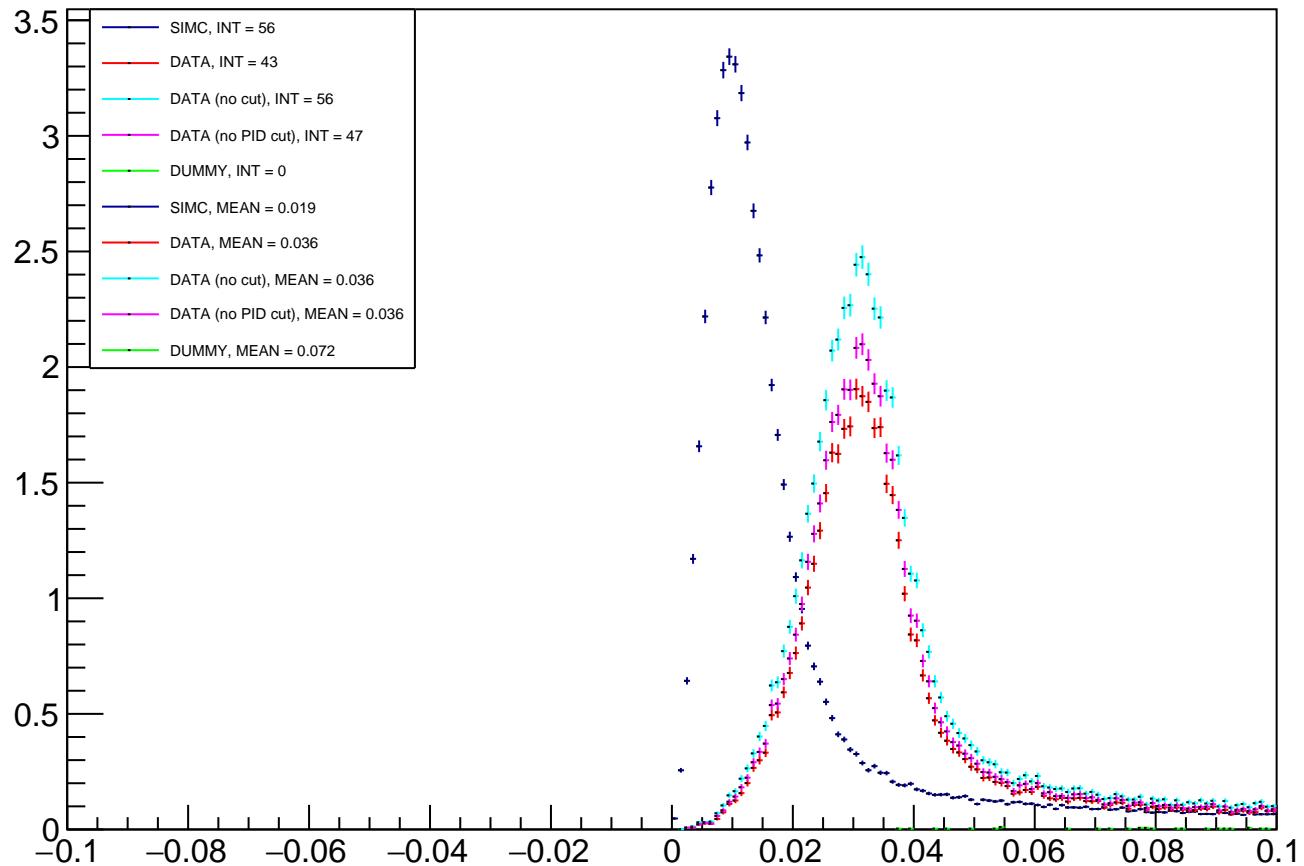
# Phi Recoil



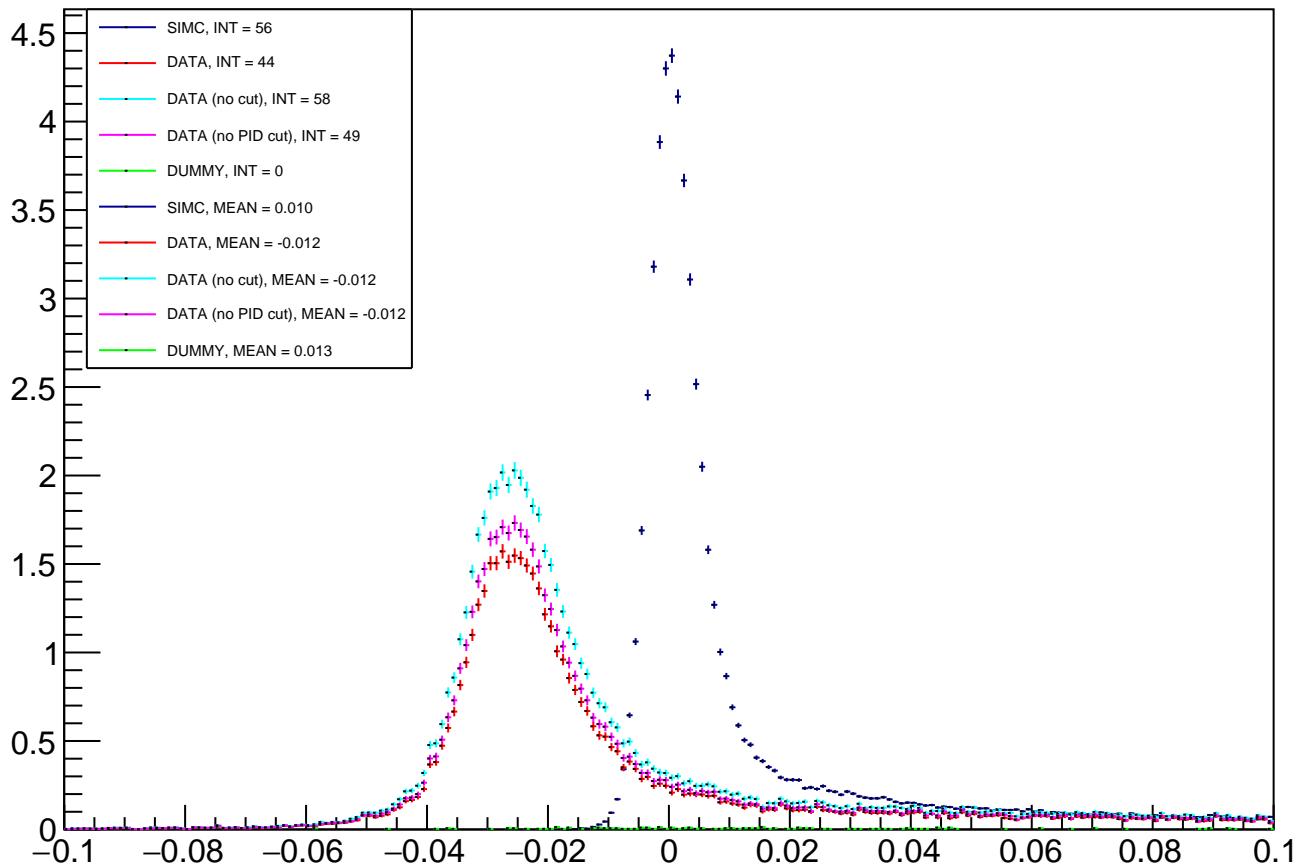
# Theta Recoil



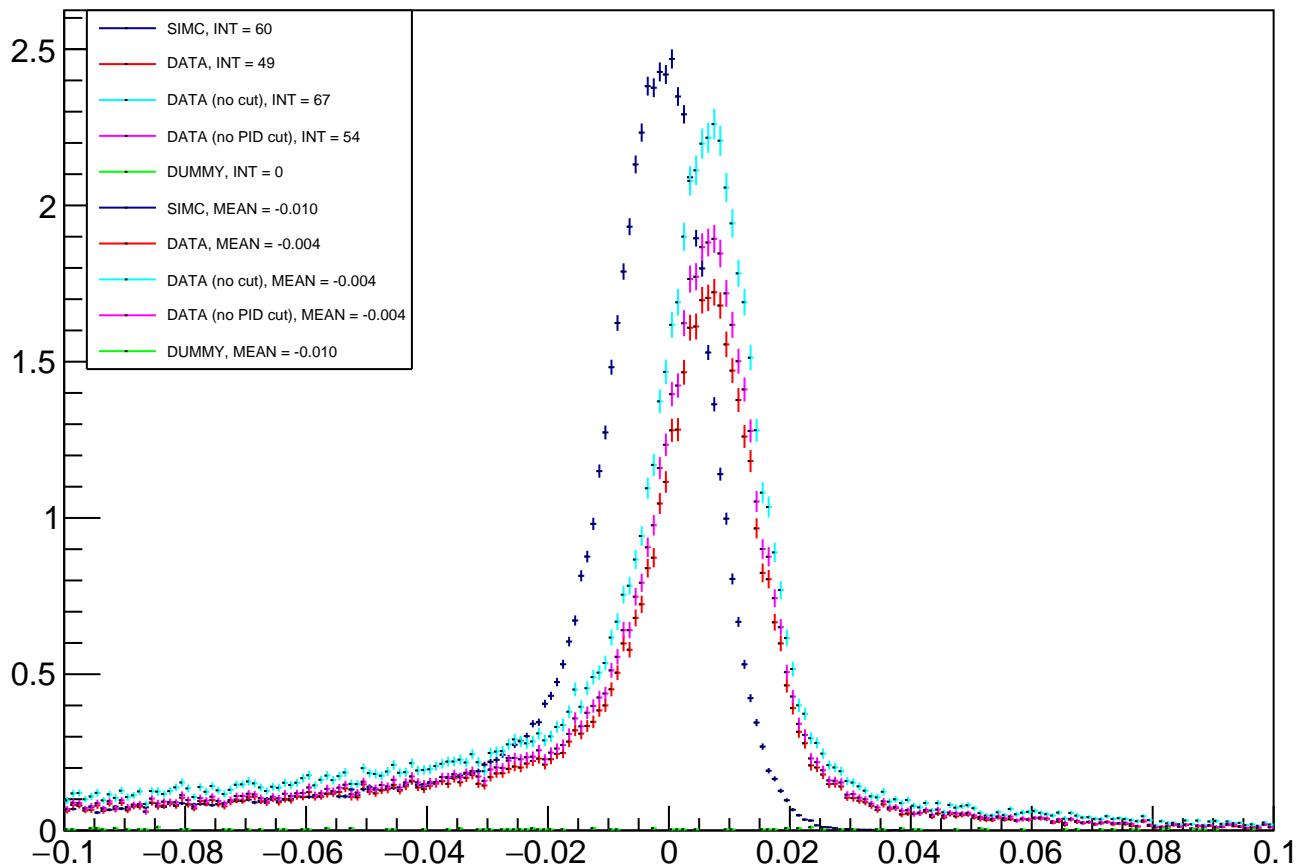
# pmiss



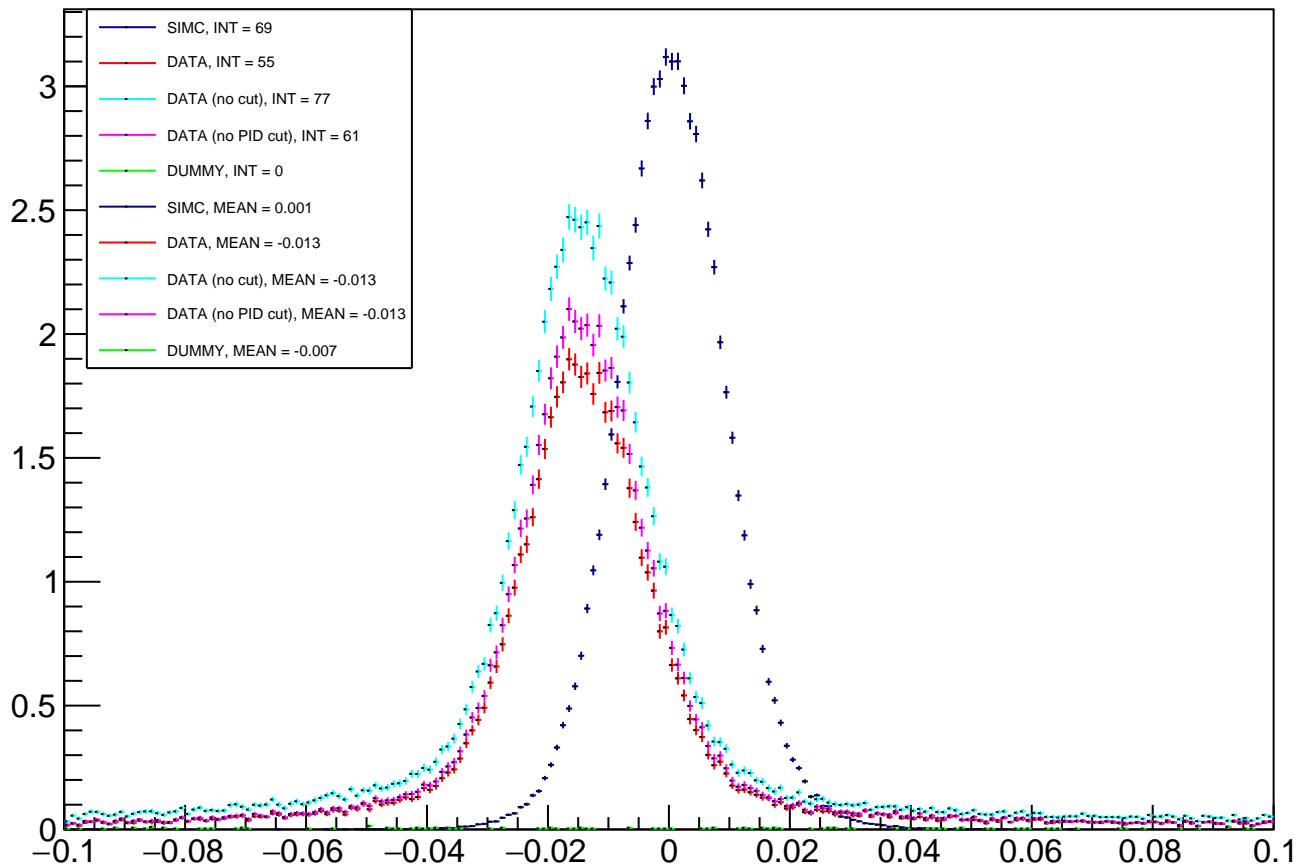
# emiss



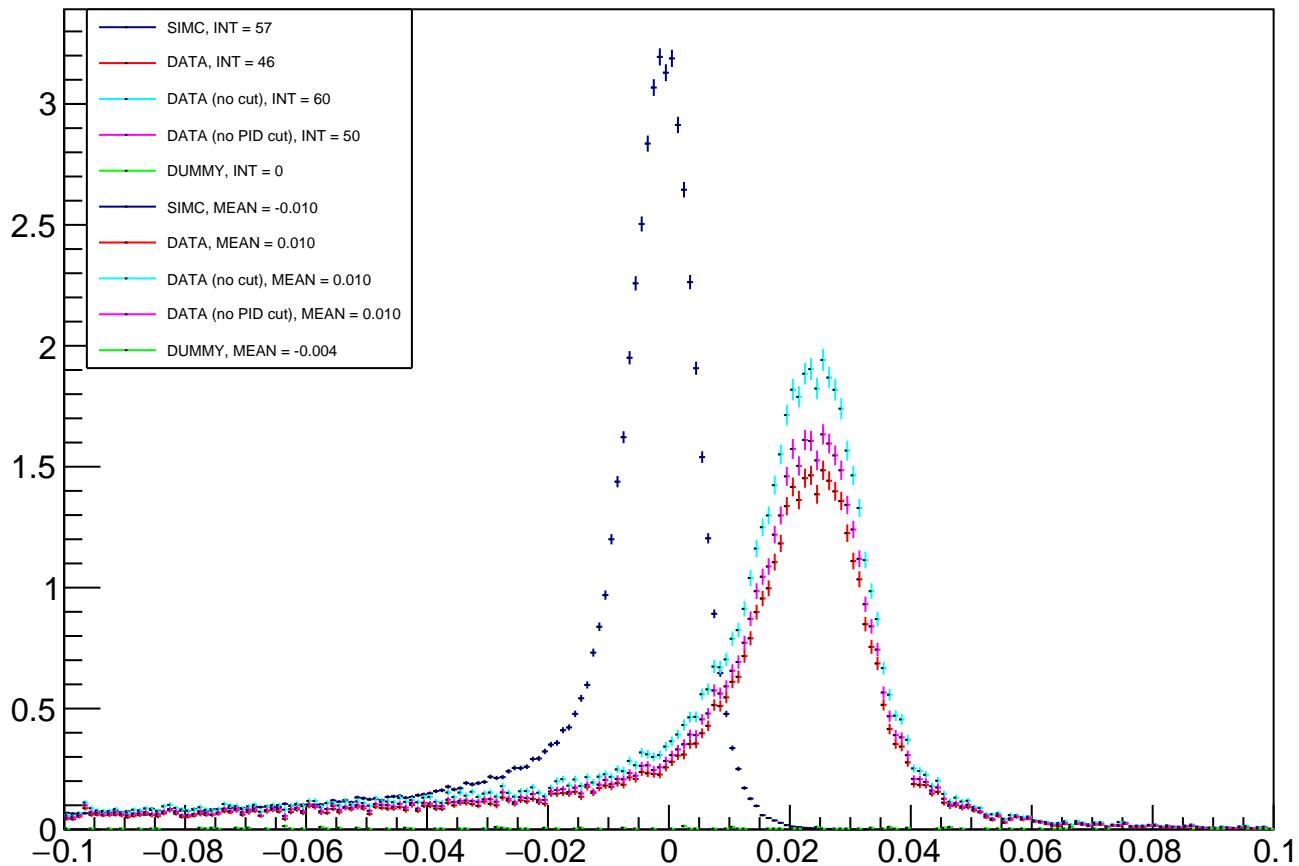
# pmx



pmv



# pmz



$W$ 