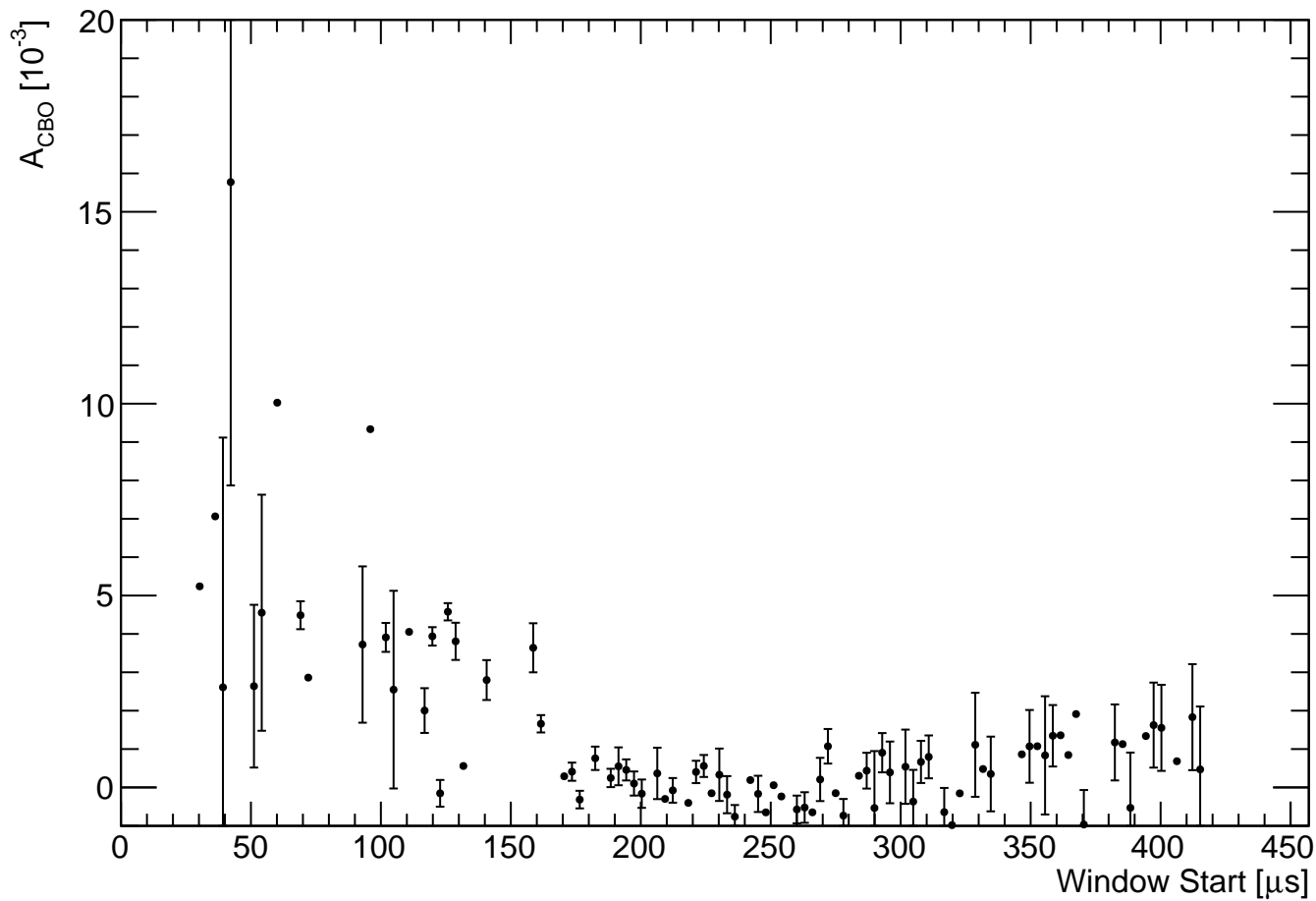
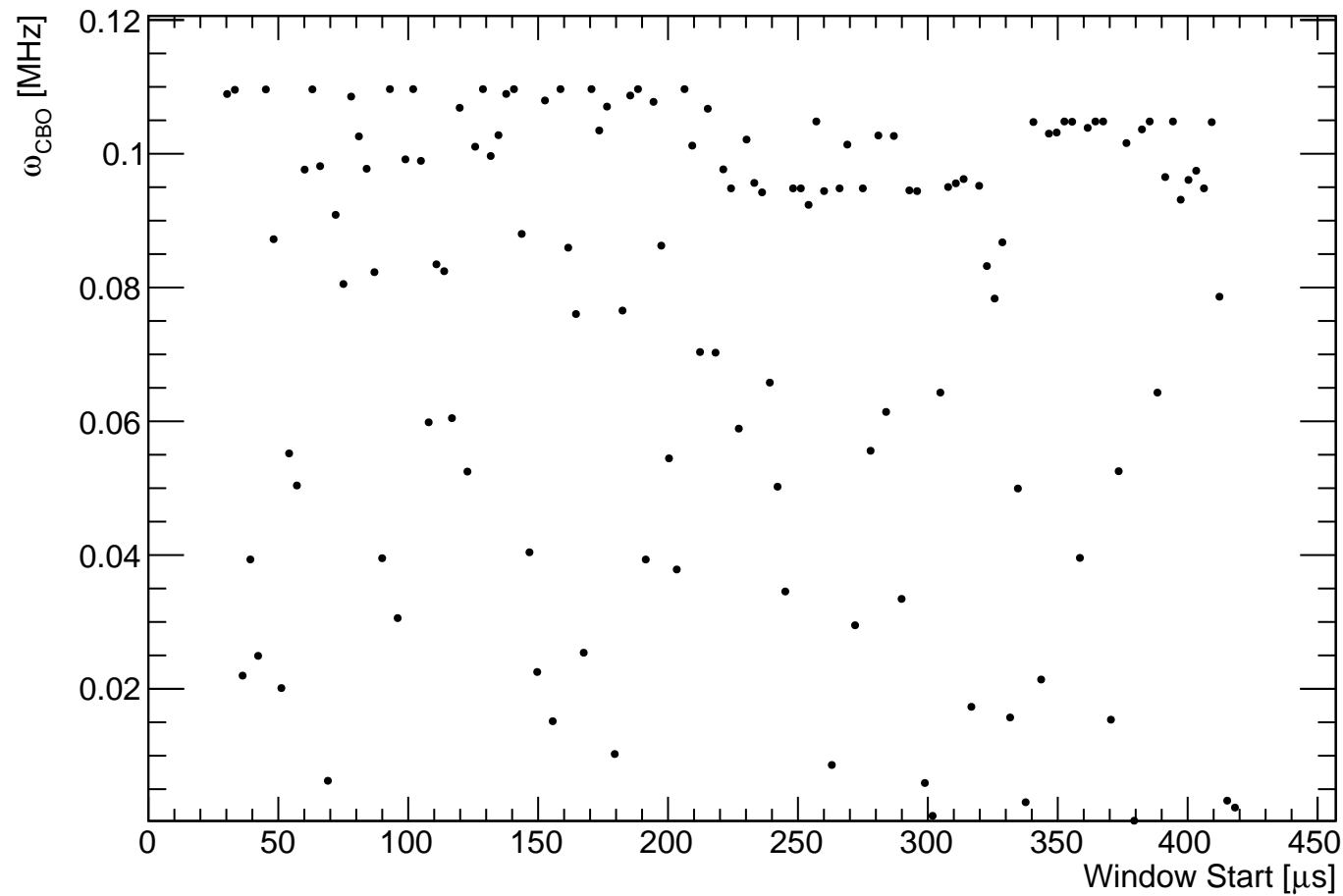


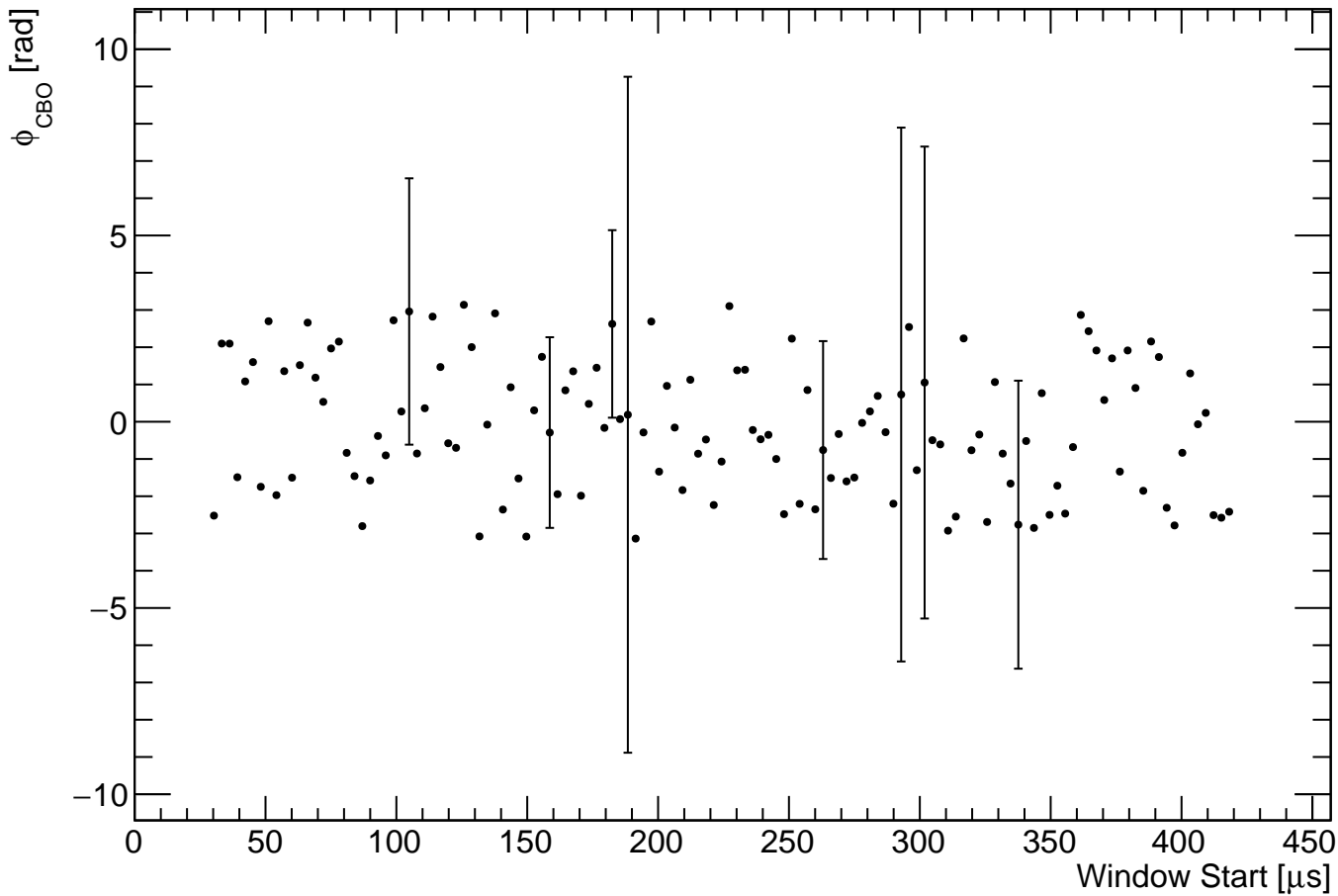
A_CBO v time



w_CBO v time

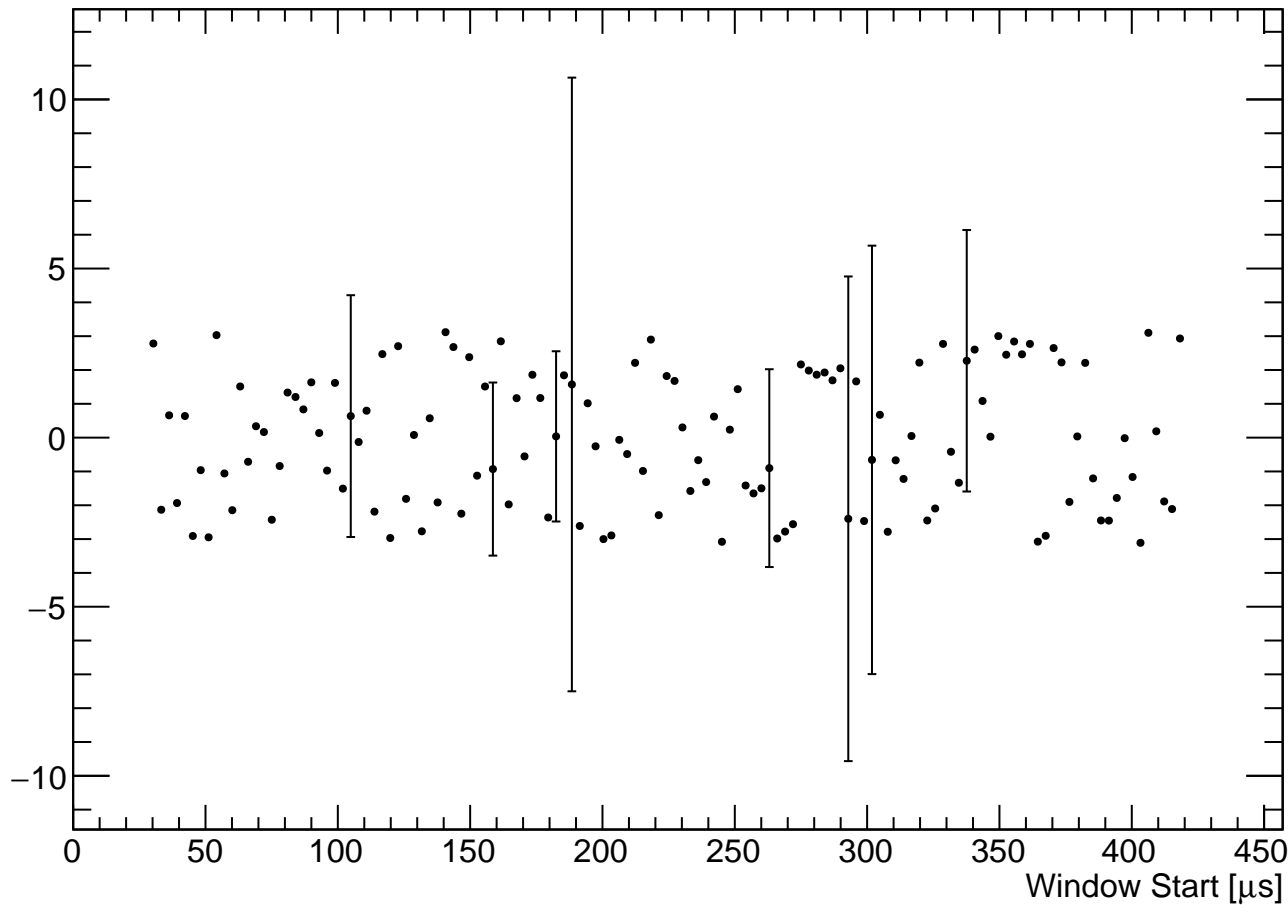


p_CBO v time

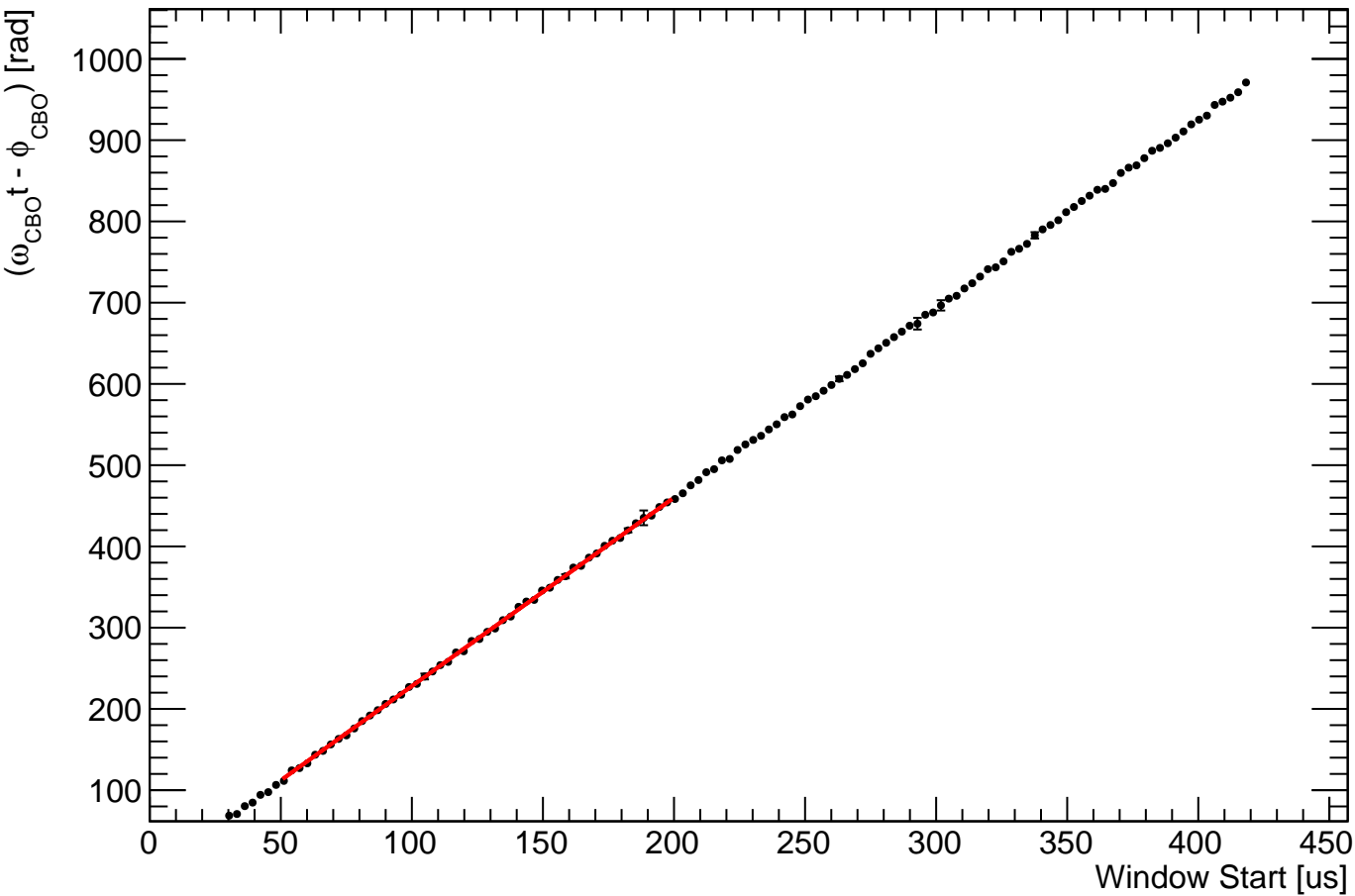


$$(\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{window}} - (\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{full}}$$

CBO Phase Residual [rad]

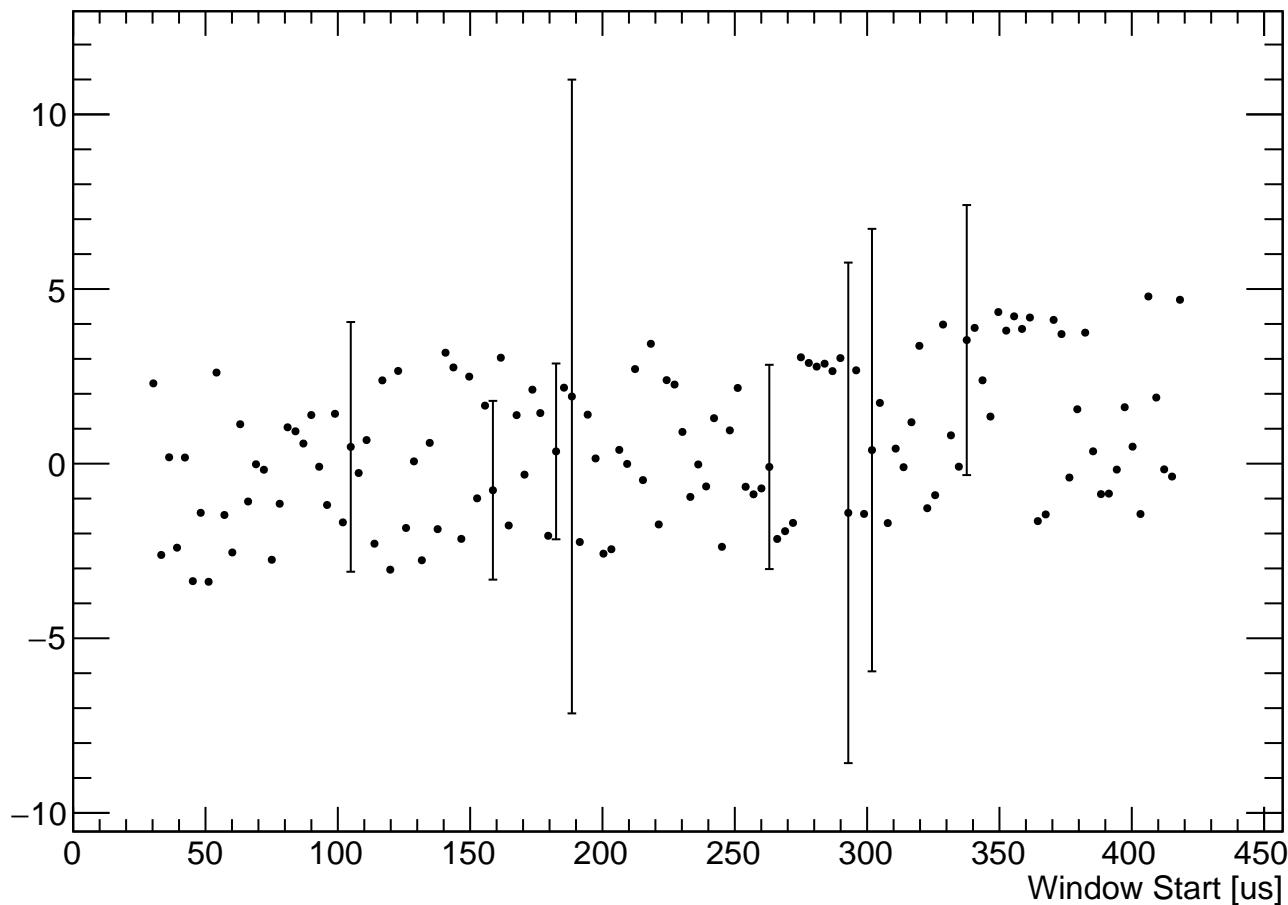


CBO Phase Advance from Sliding Windows

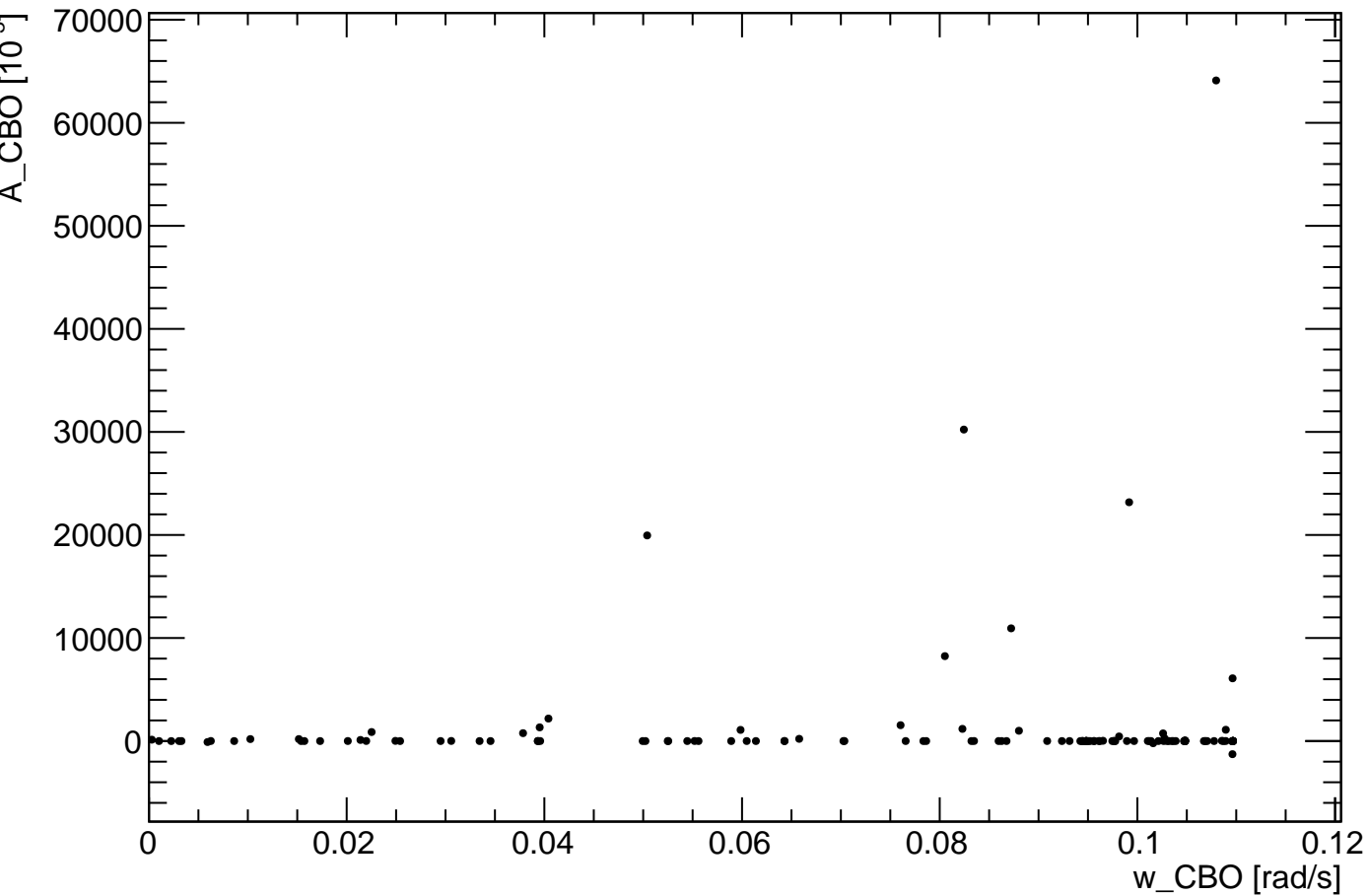


$$(\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{window}} - (\omega_0 t - \phi_0)_{\text{late}}$$

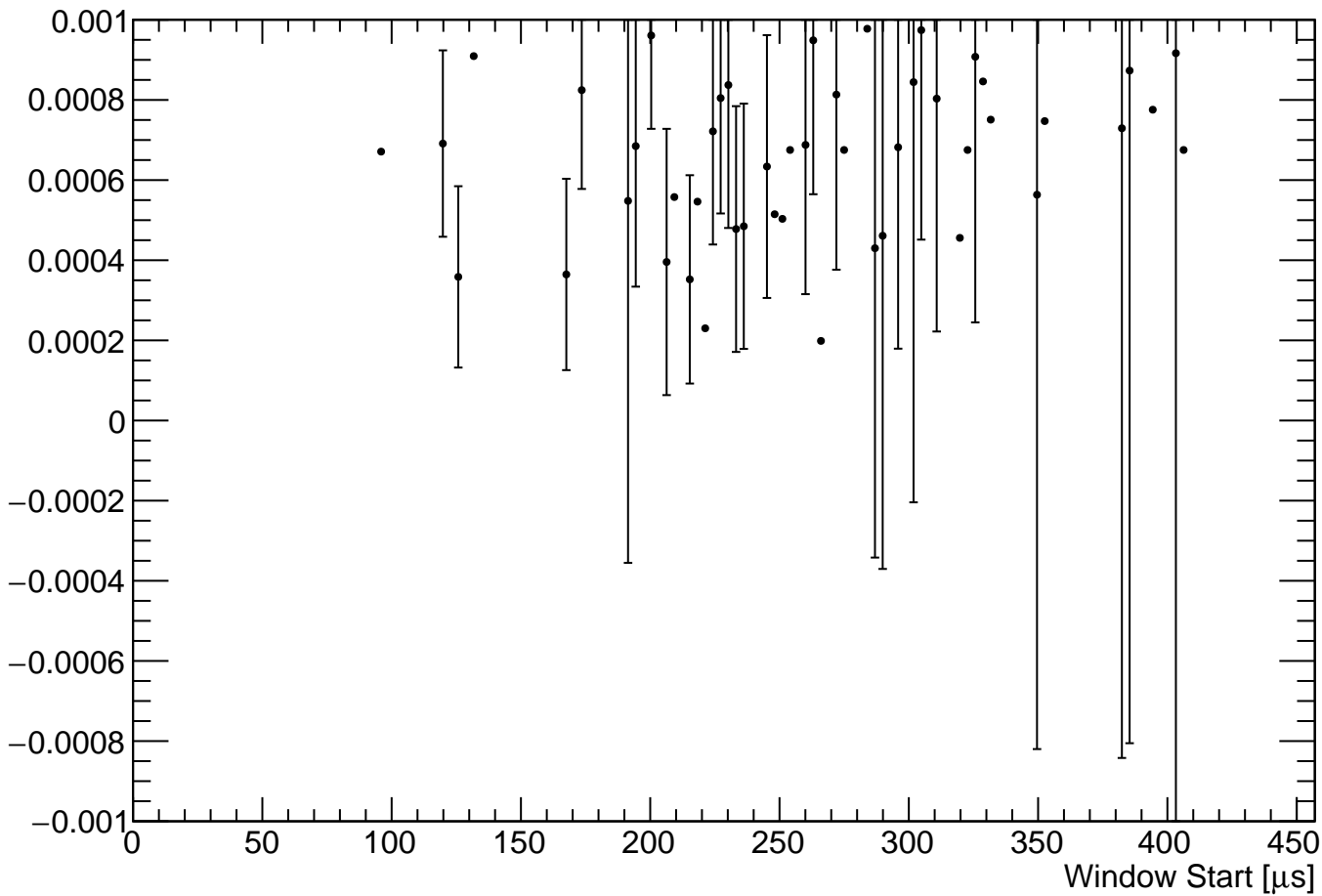
CBO Phase Residual [rad]



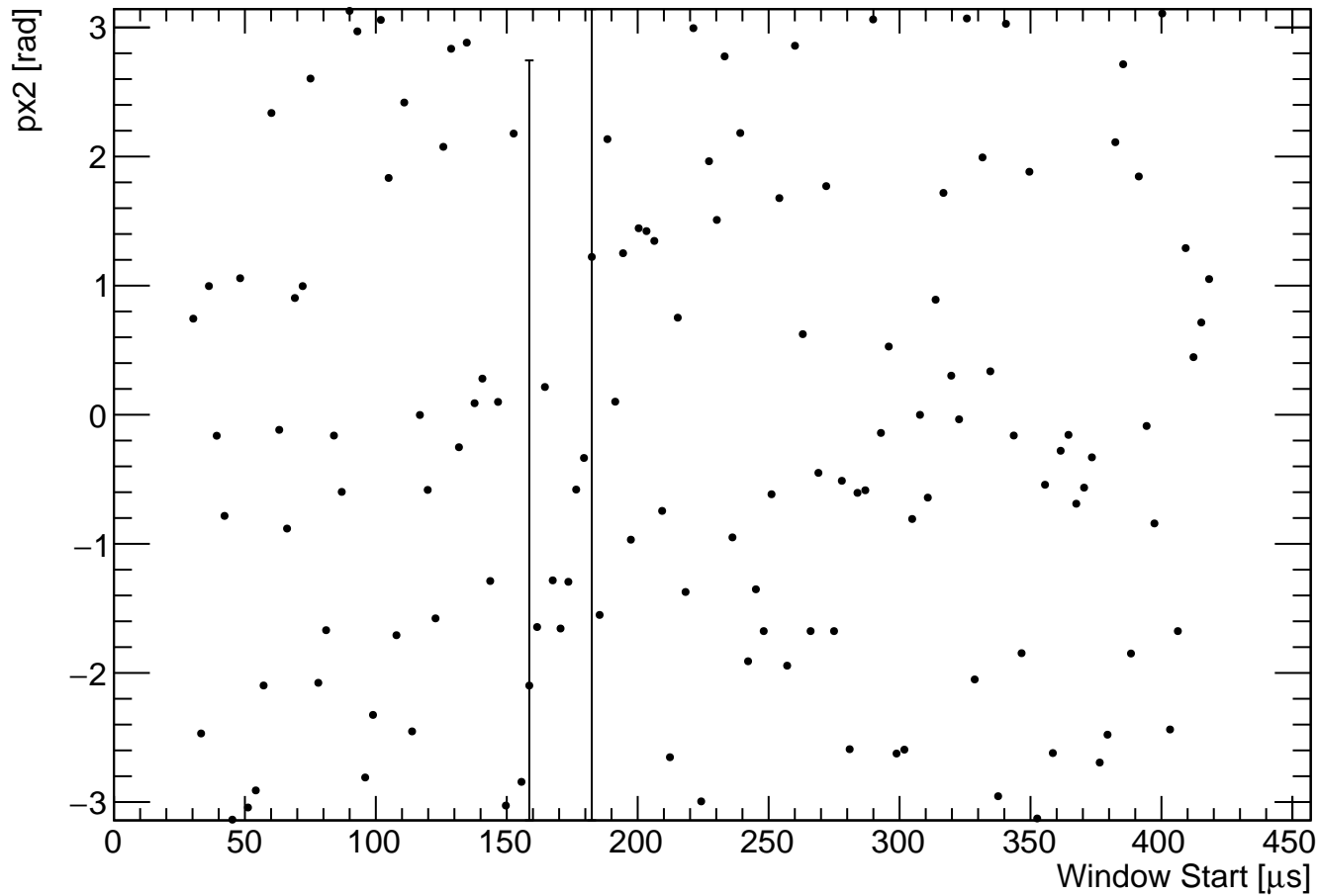
w_CBO vs A_CBO



Ax2



px2



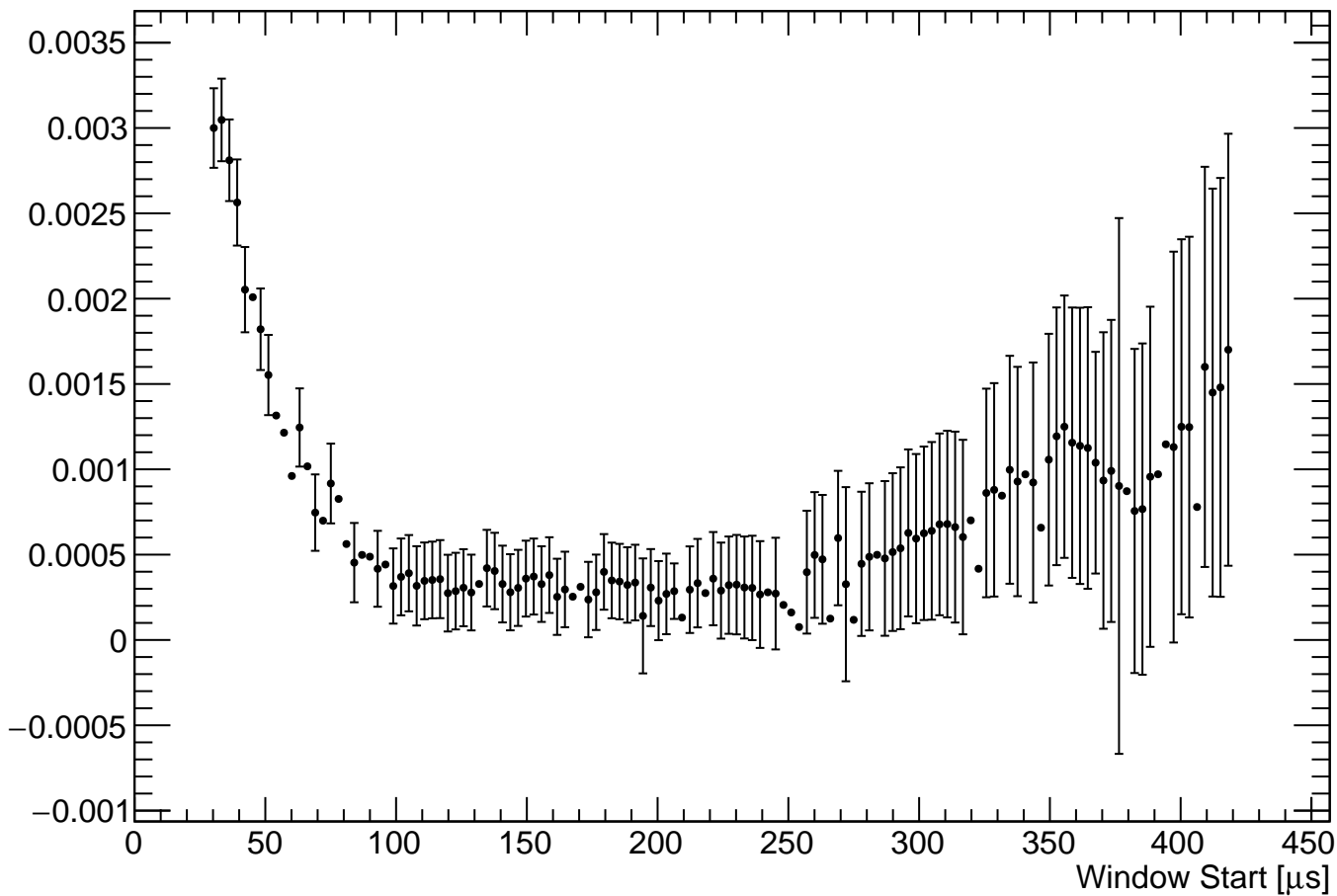
Ay1



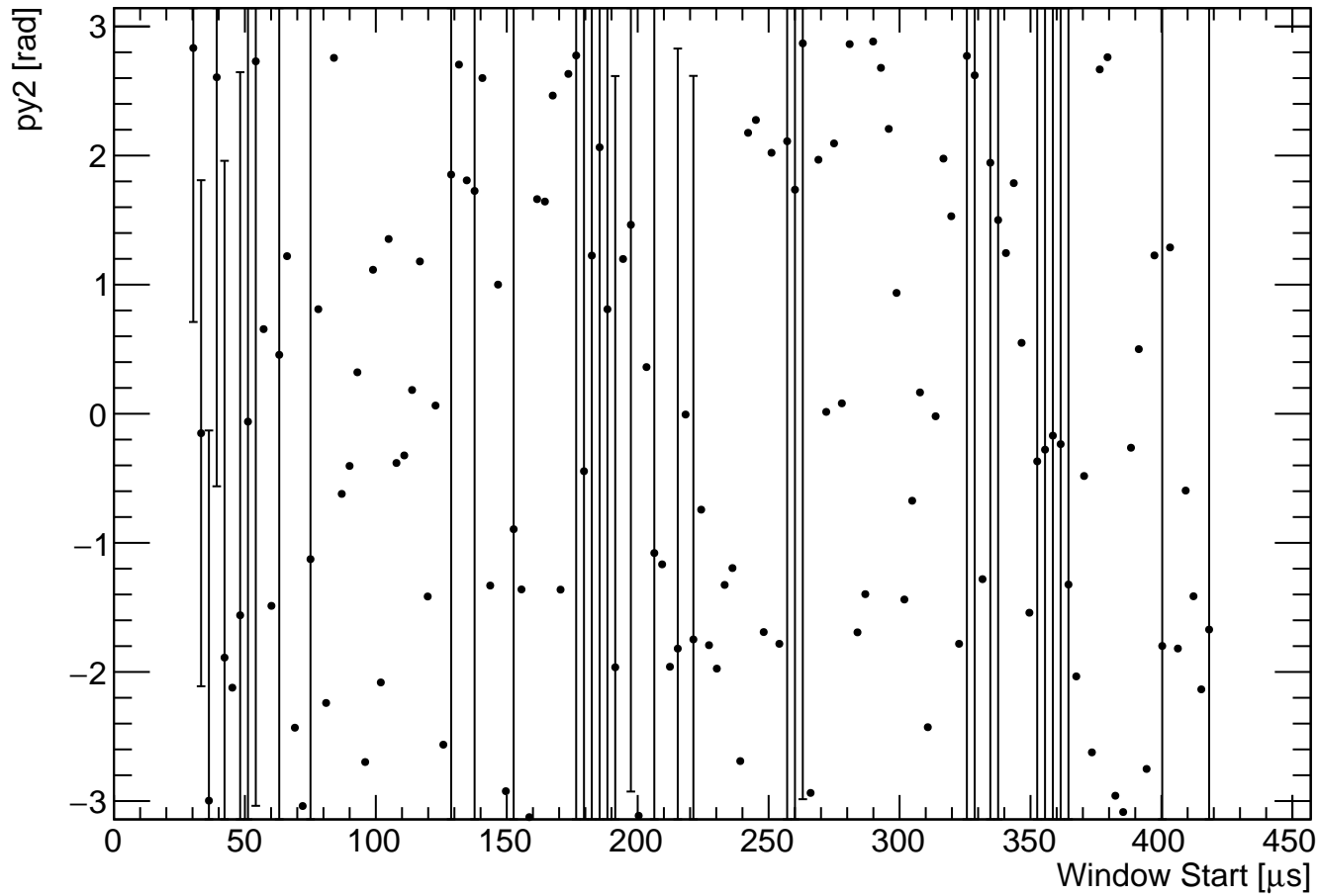
py1



Ay2



py2

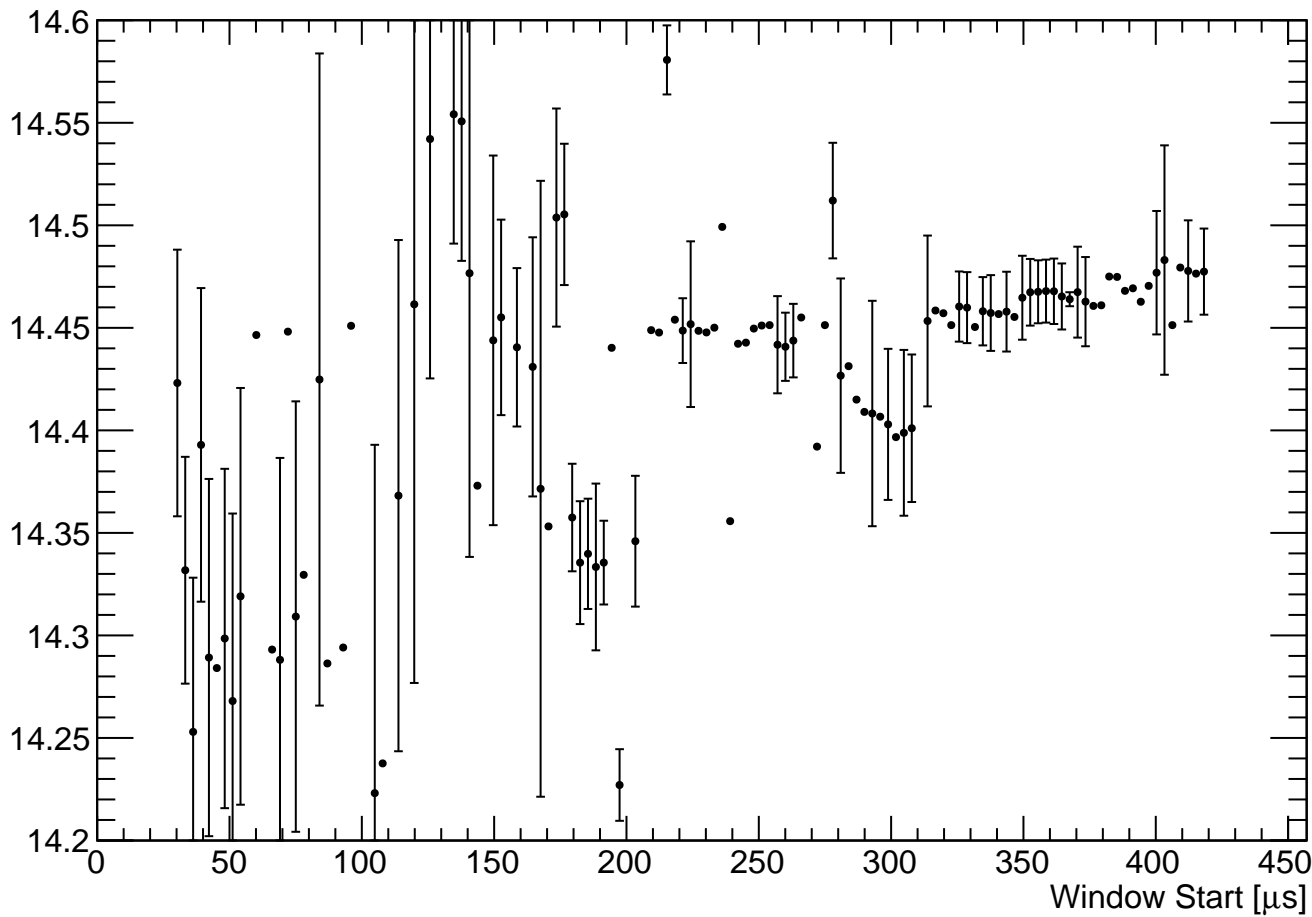


w_y

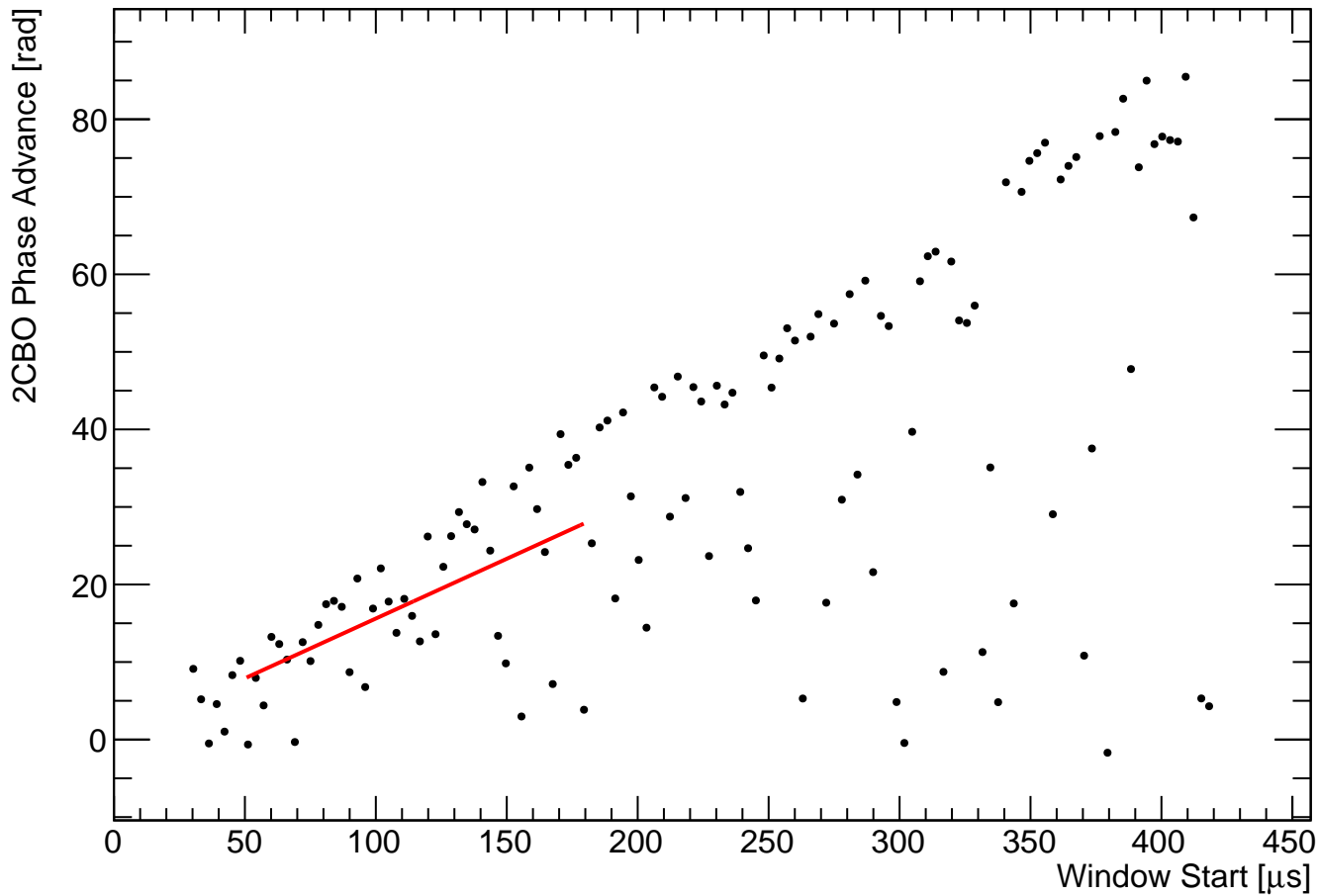


W_VW

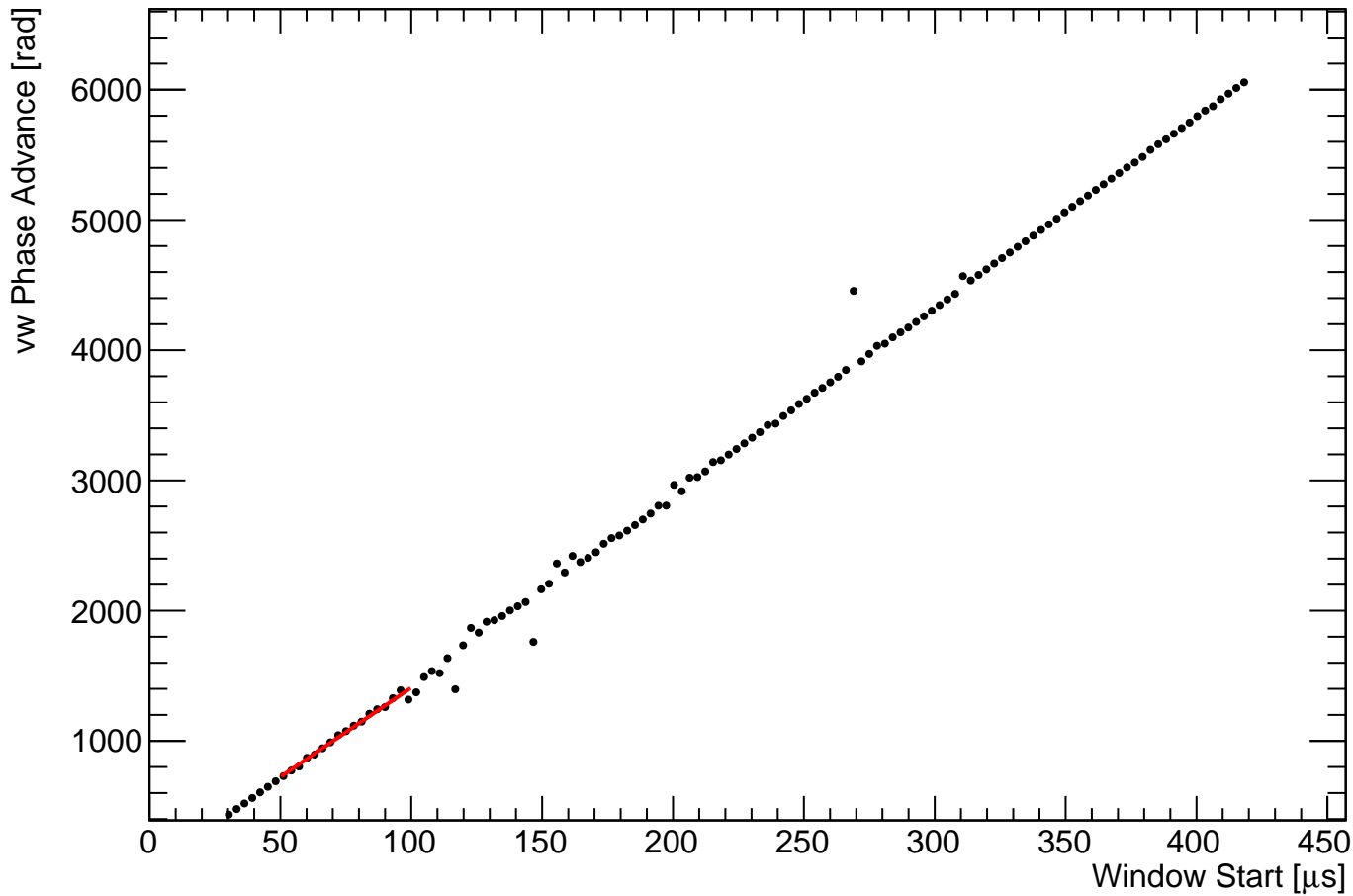
w_vw [rad/s]



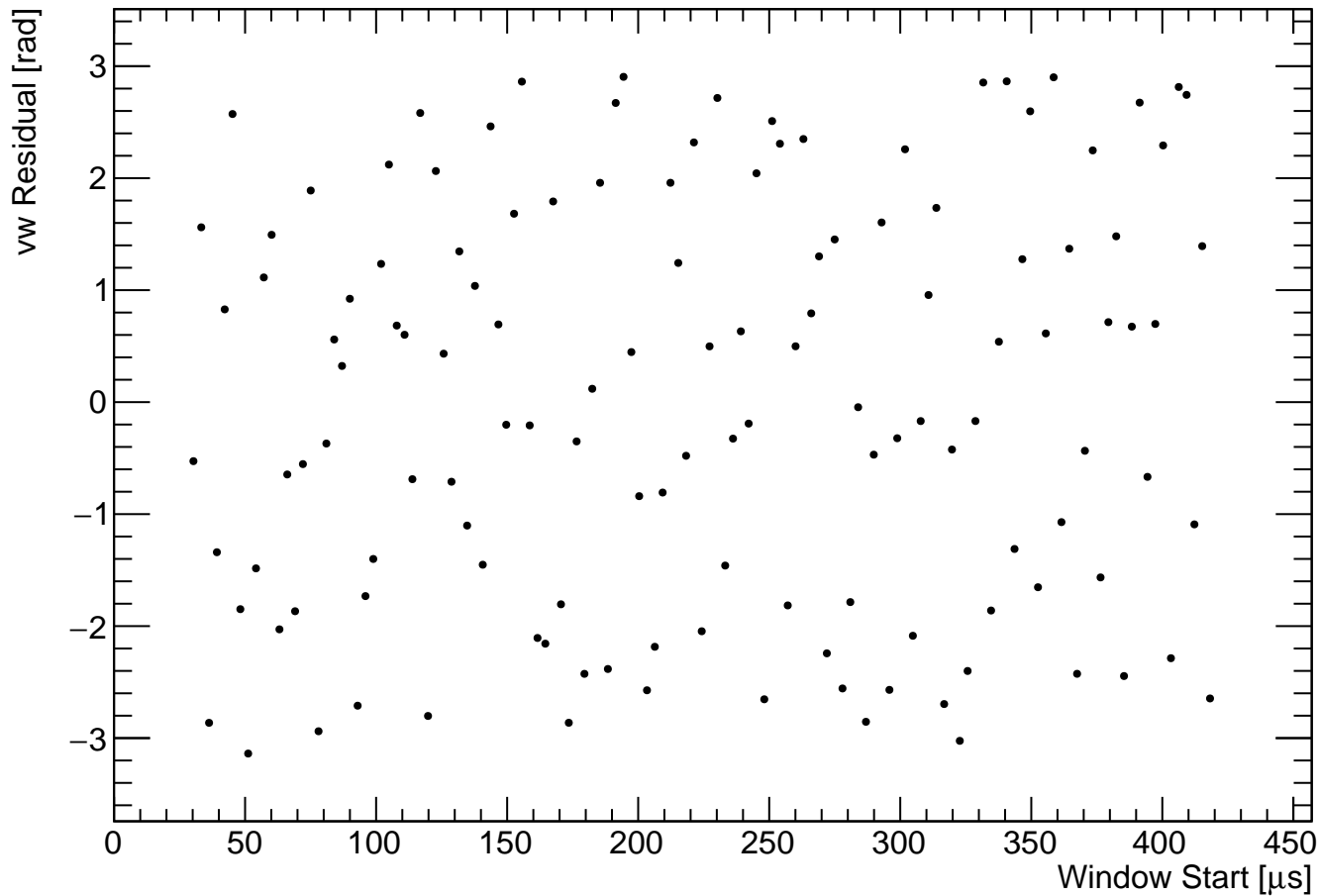
2CBO Phase Advance



vw Phase Advance



vw Phase Advance Residual



2CBO Phase Advance Residual

