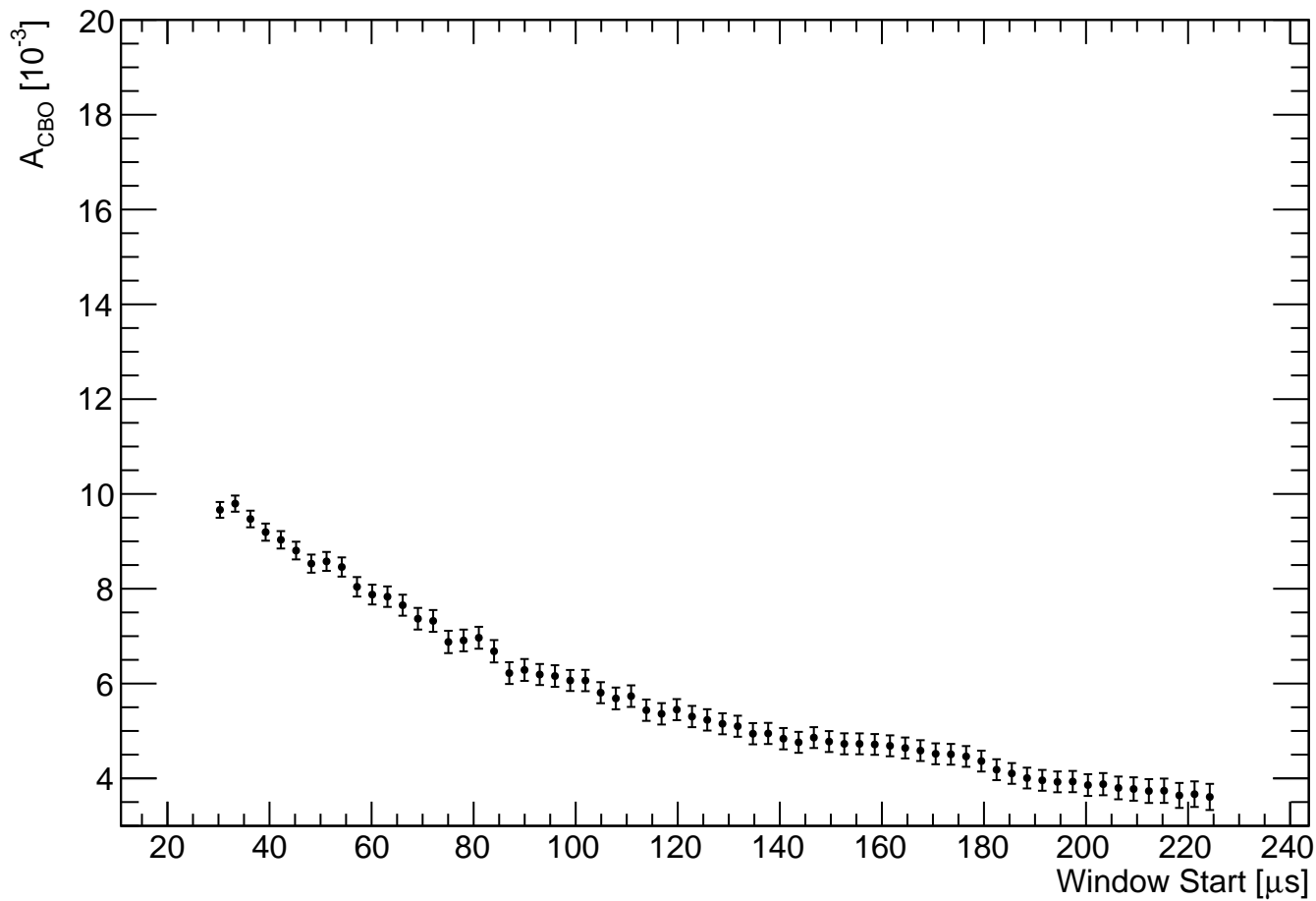
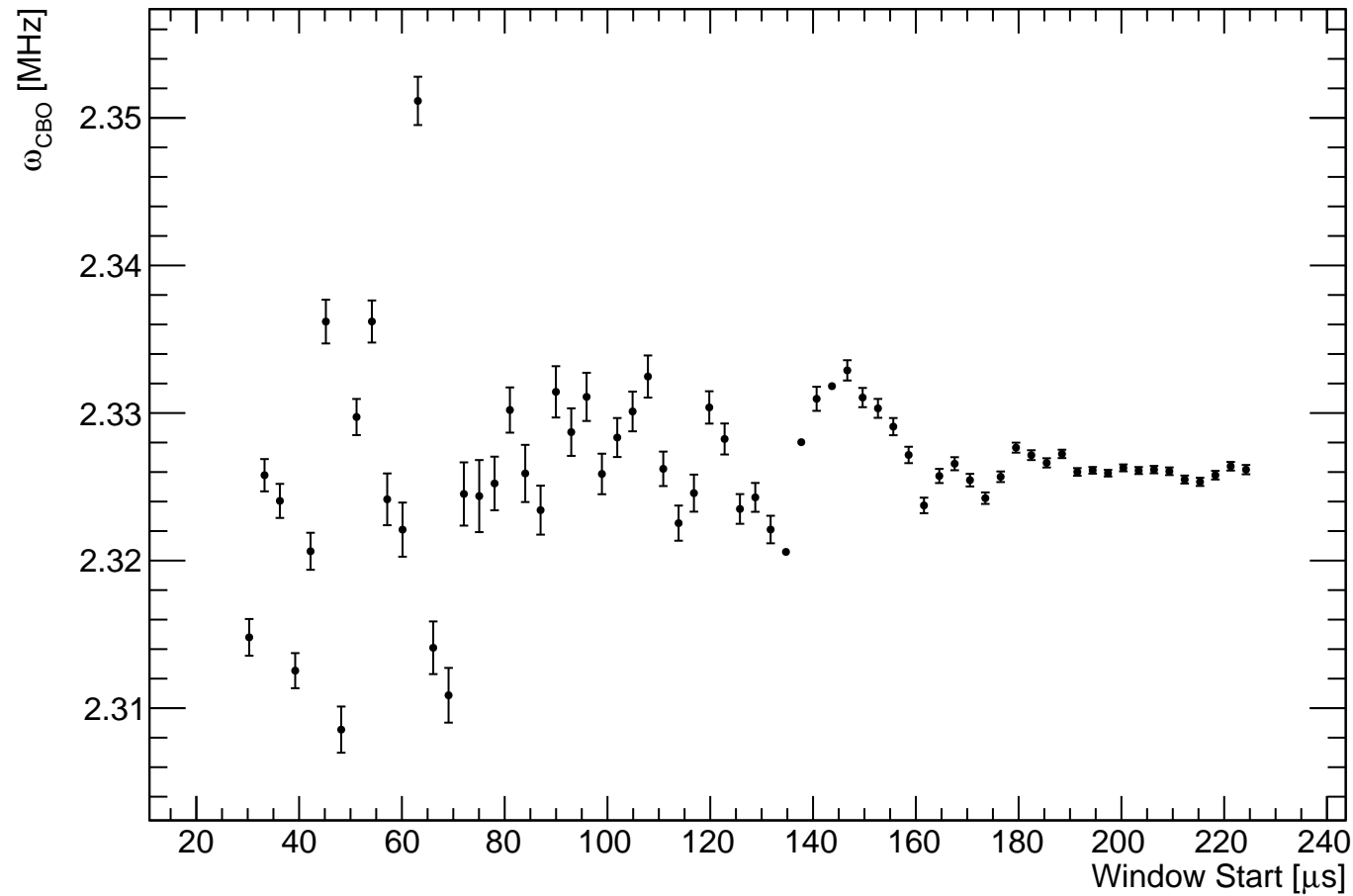


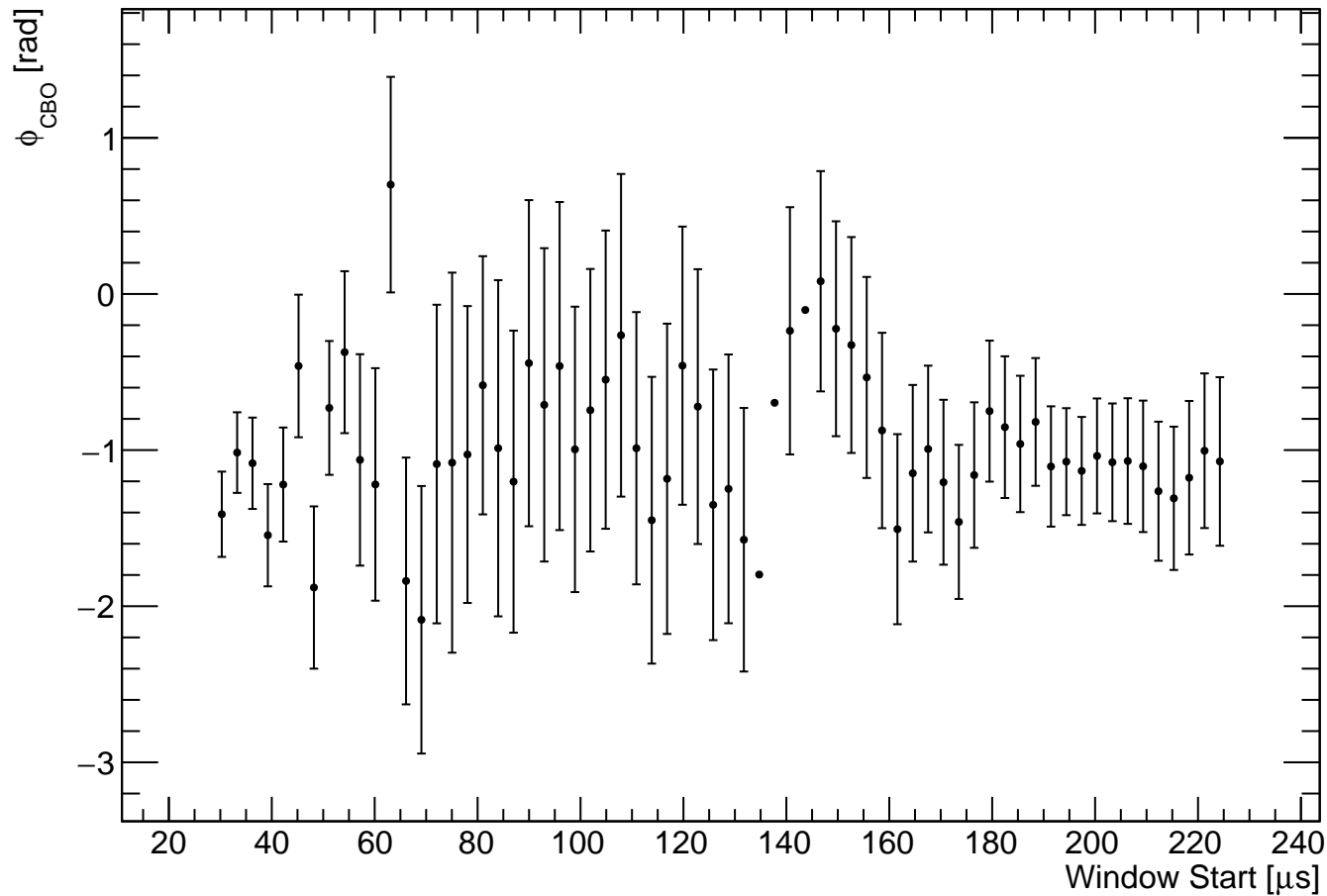
A_CBO v time



w_CBO v time

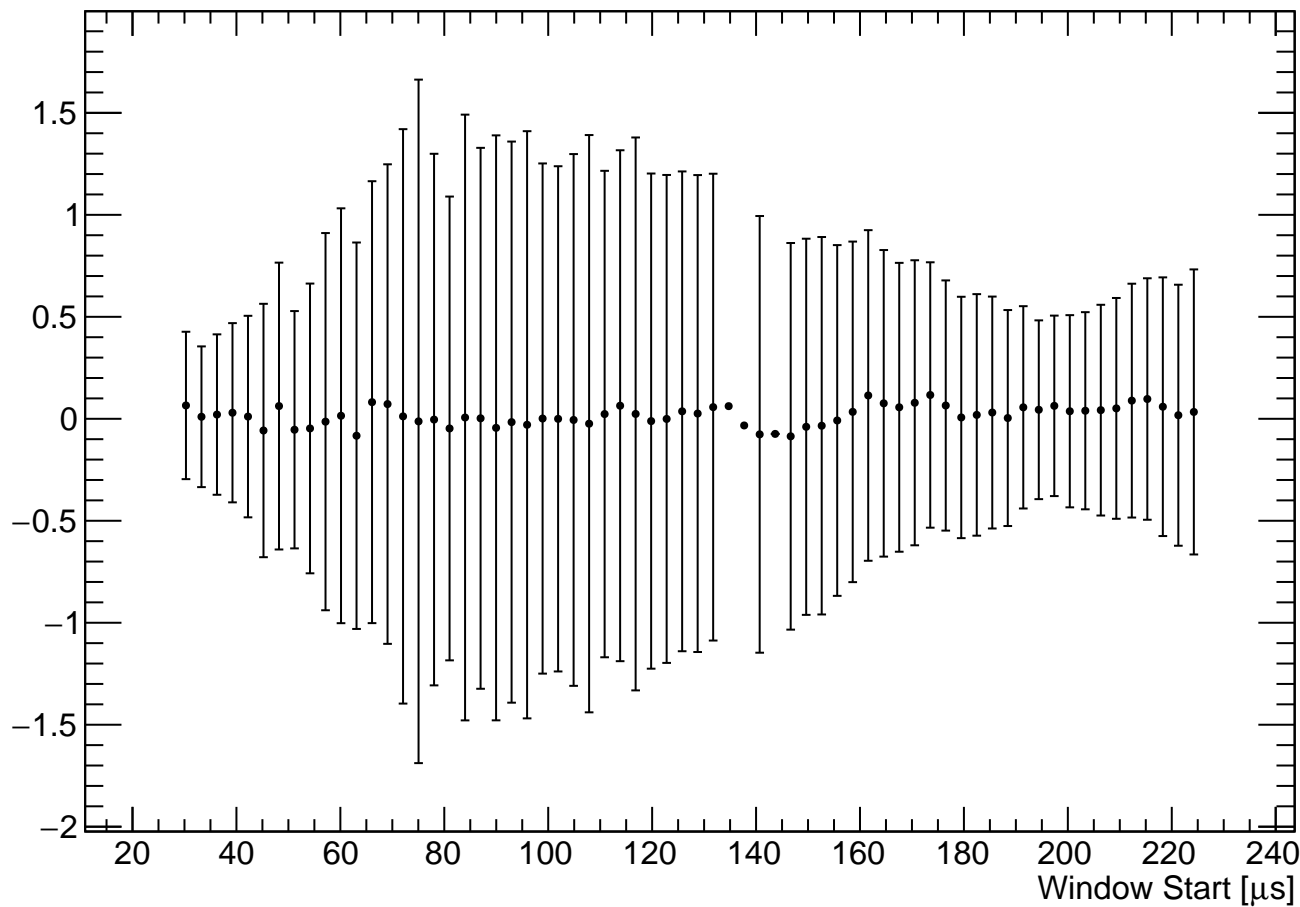


p_CBO v time

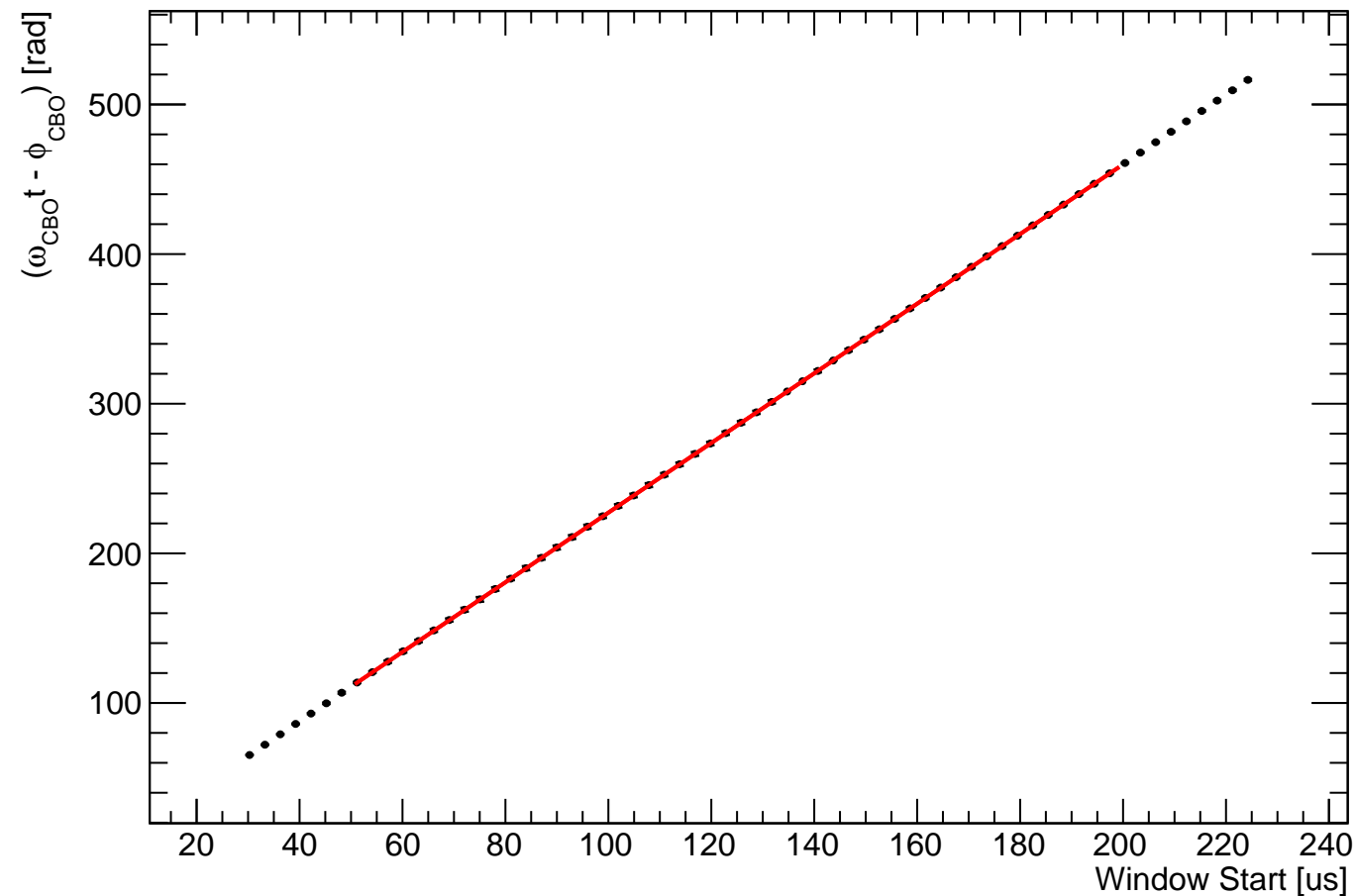


$$(\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{window}} - (\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{full}}$$

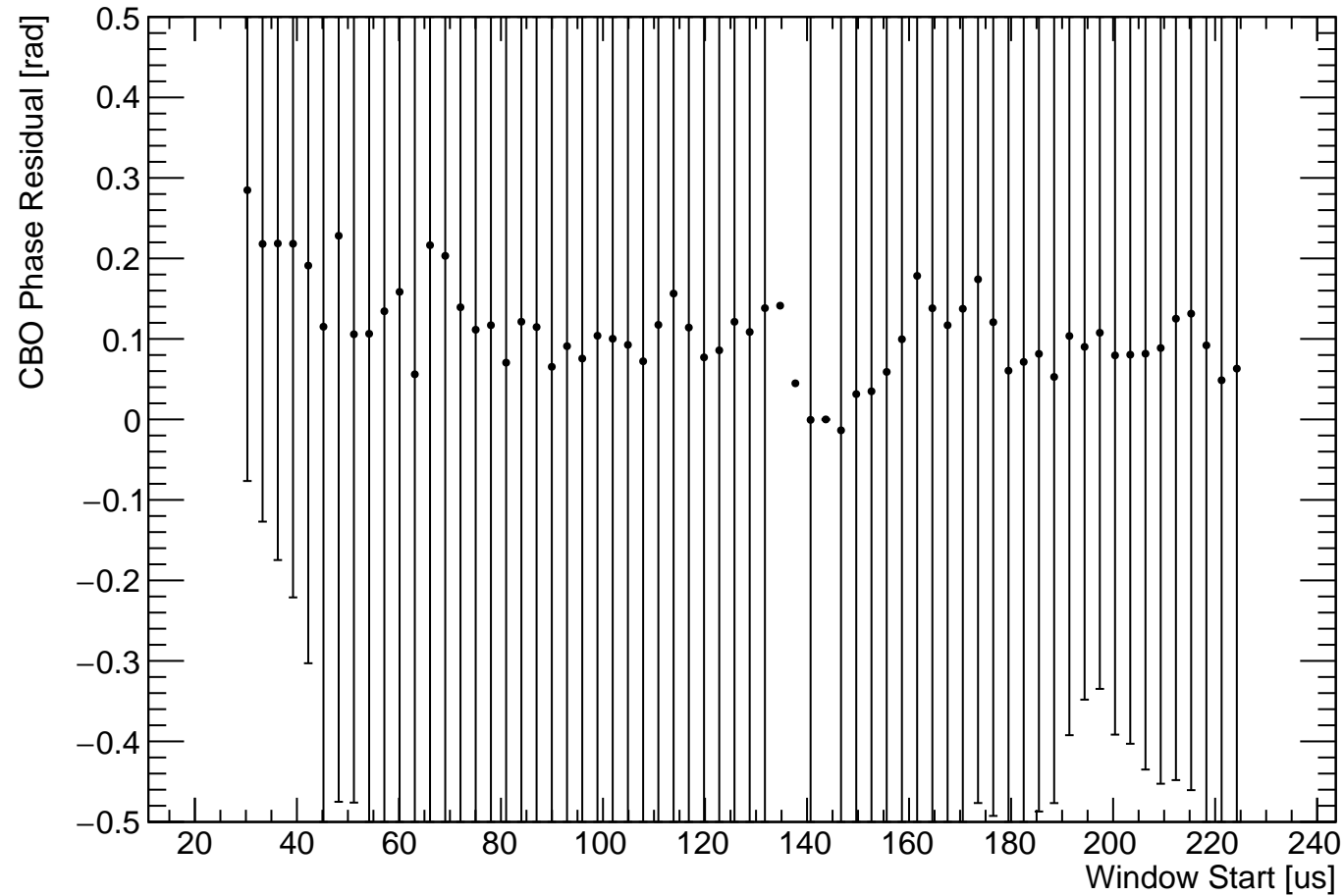
CBO Phase Residual [rad]



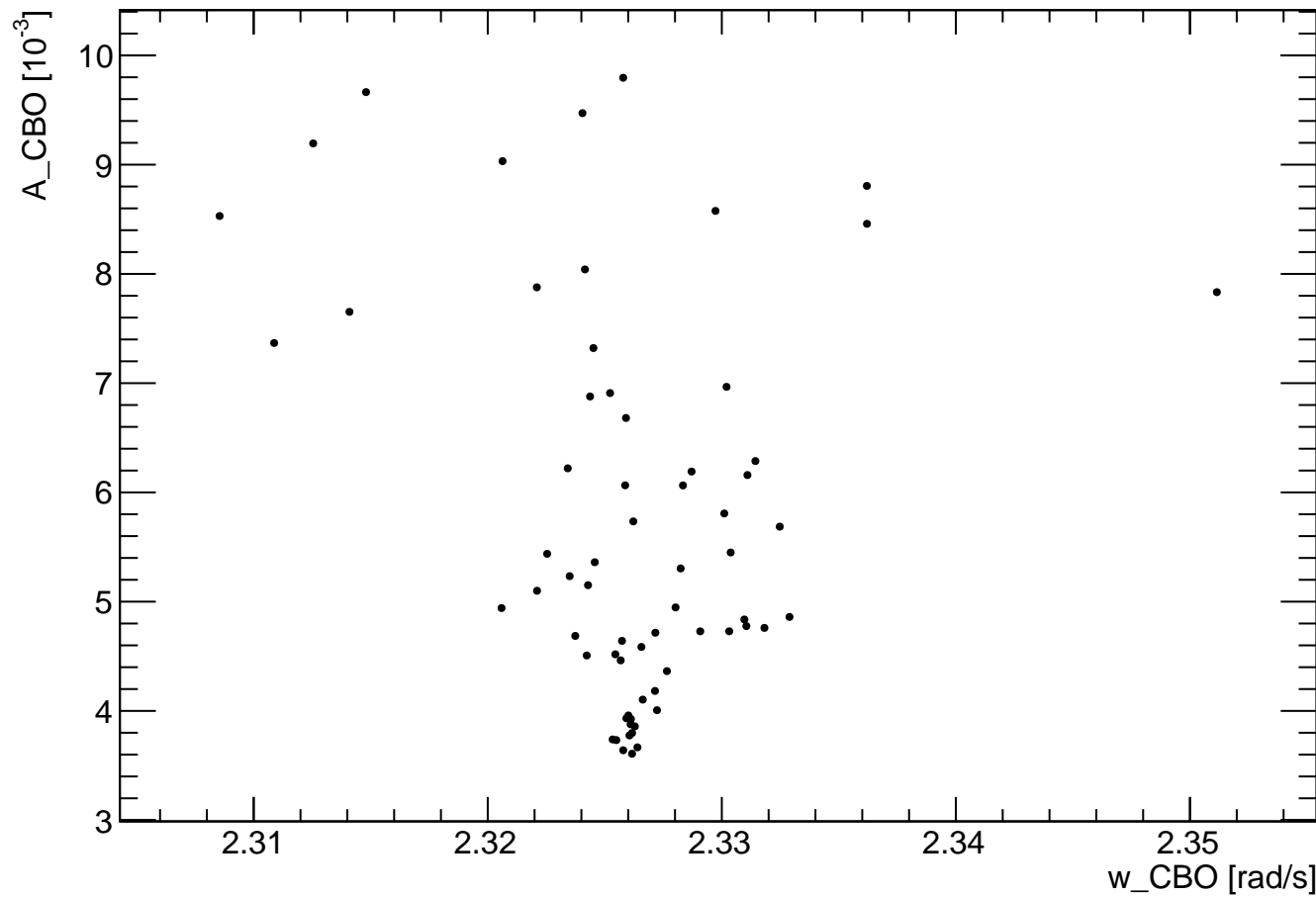
CBO Phase Advance from Sliding Windows



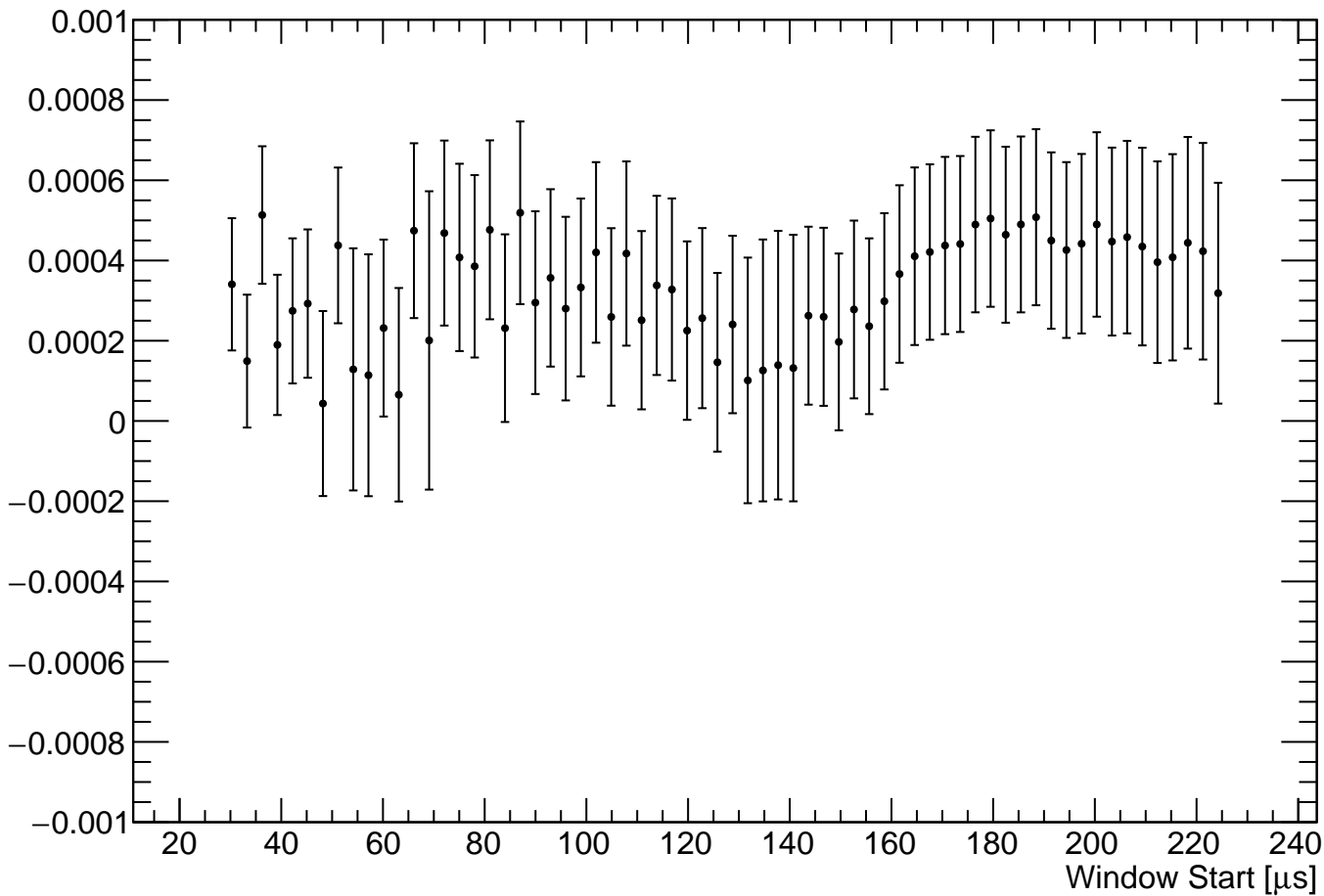
$$(\omega_{\text{CBO}}t - \phi_{\text{CBO}})_{\text{window}} - (\omega_0t - \phi_0)_{\text{late}}$$



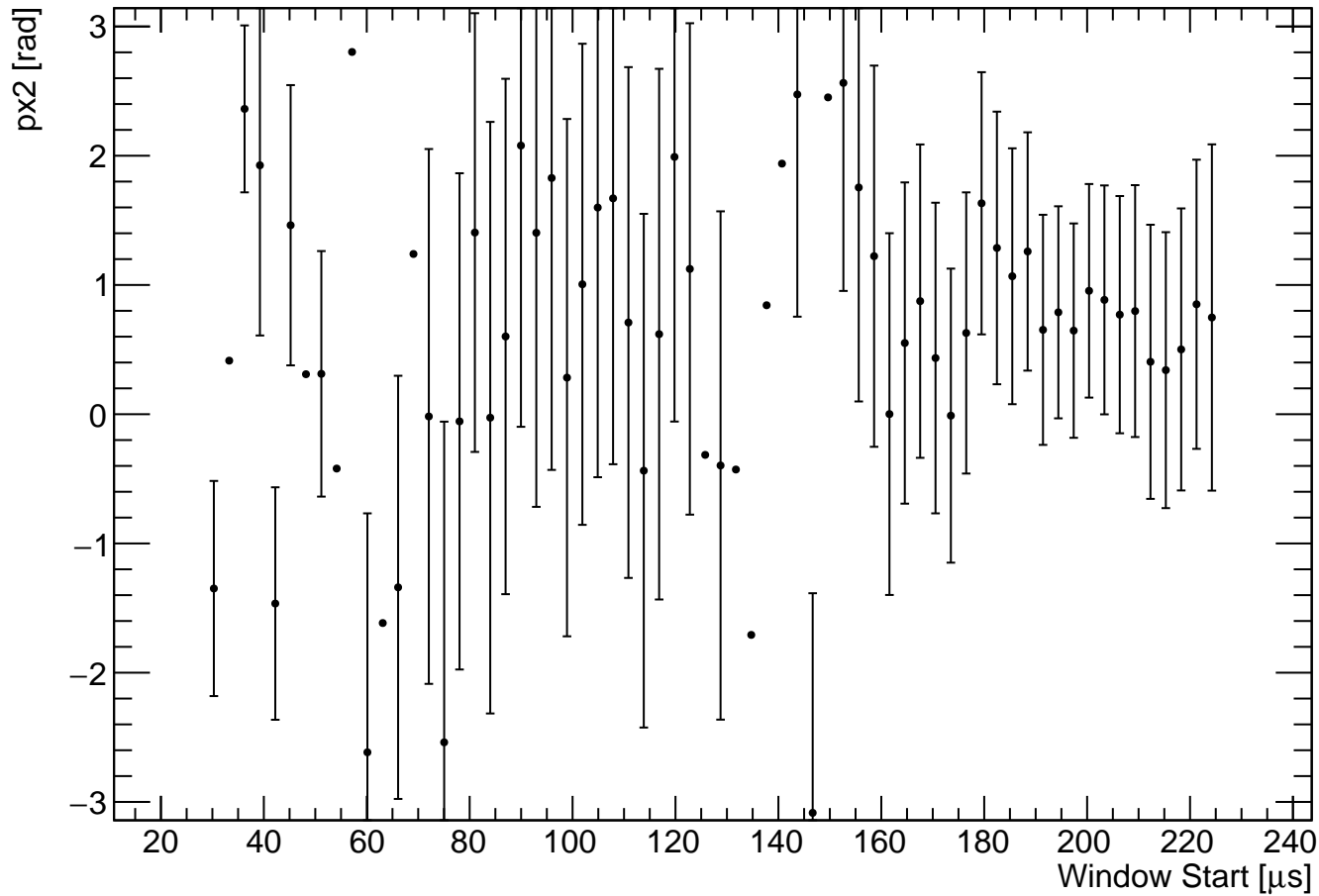
w_CBO vs A_CBO



Ax2



px2



Ay1

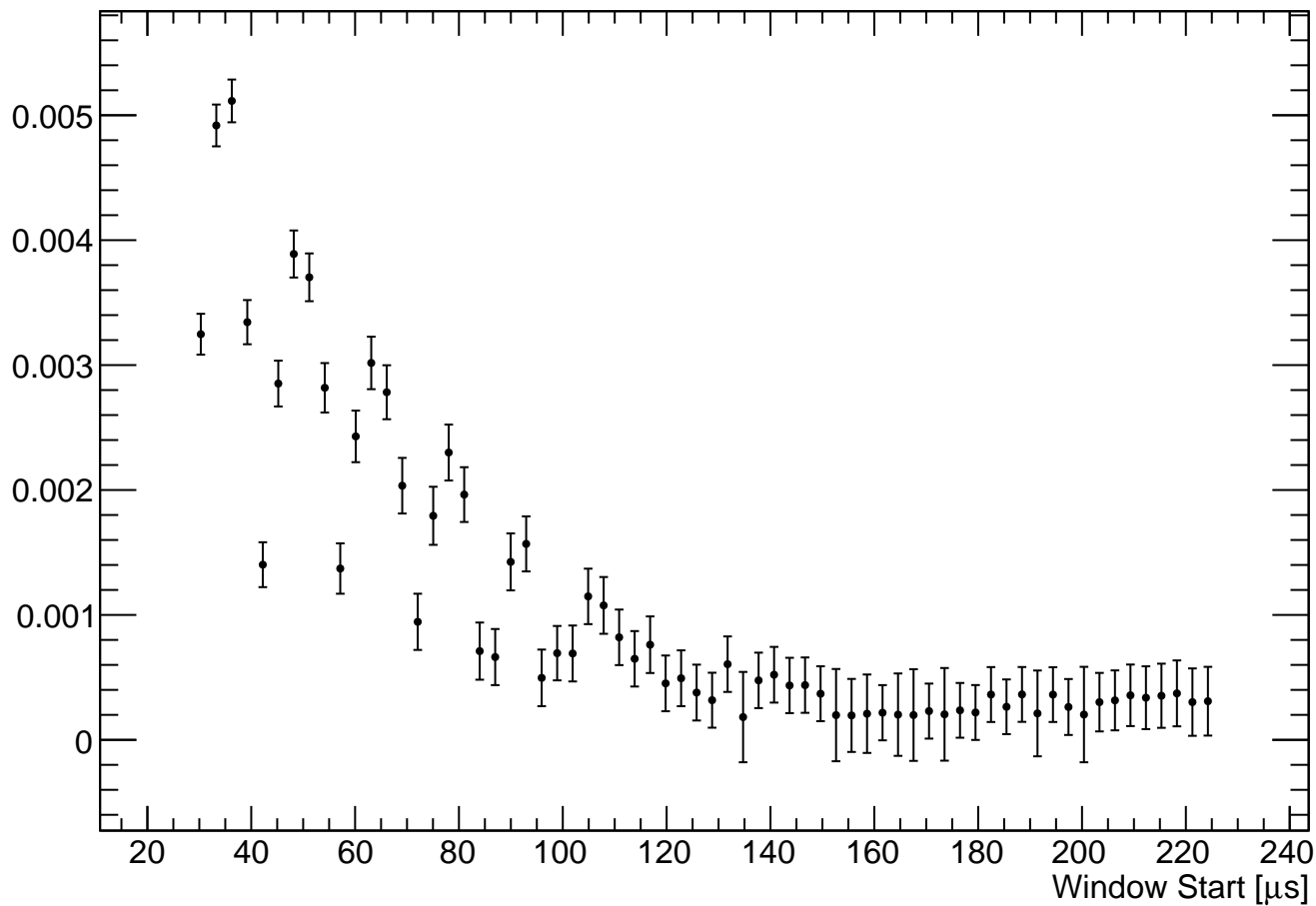


py1

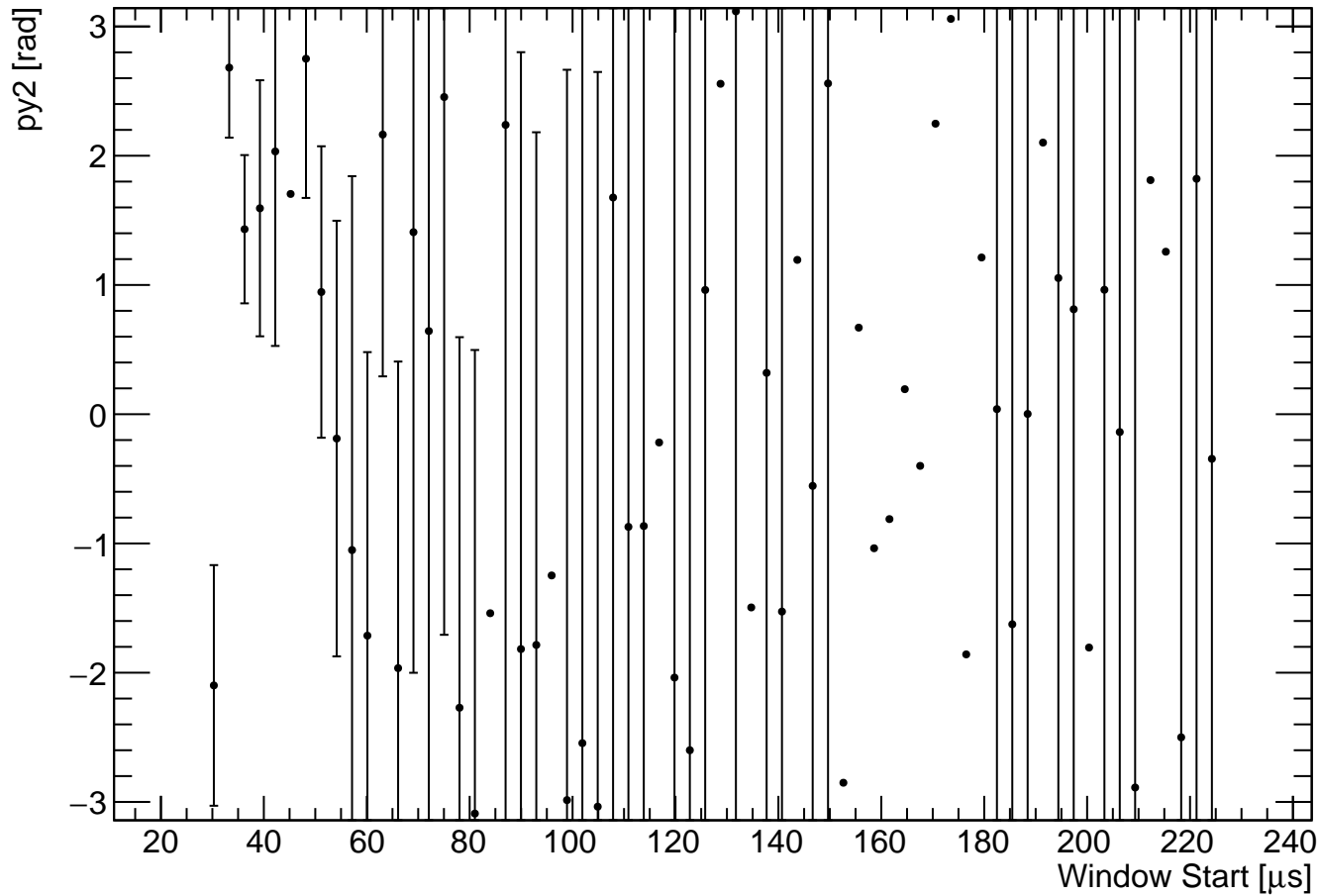


Ay2

Ay2



py2

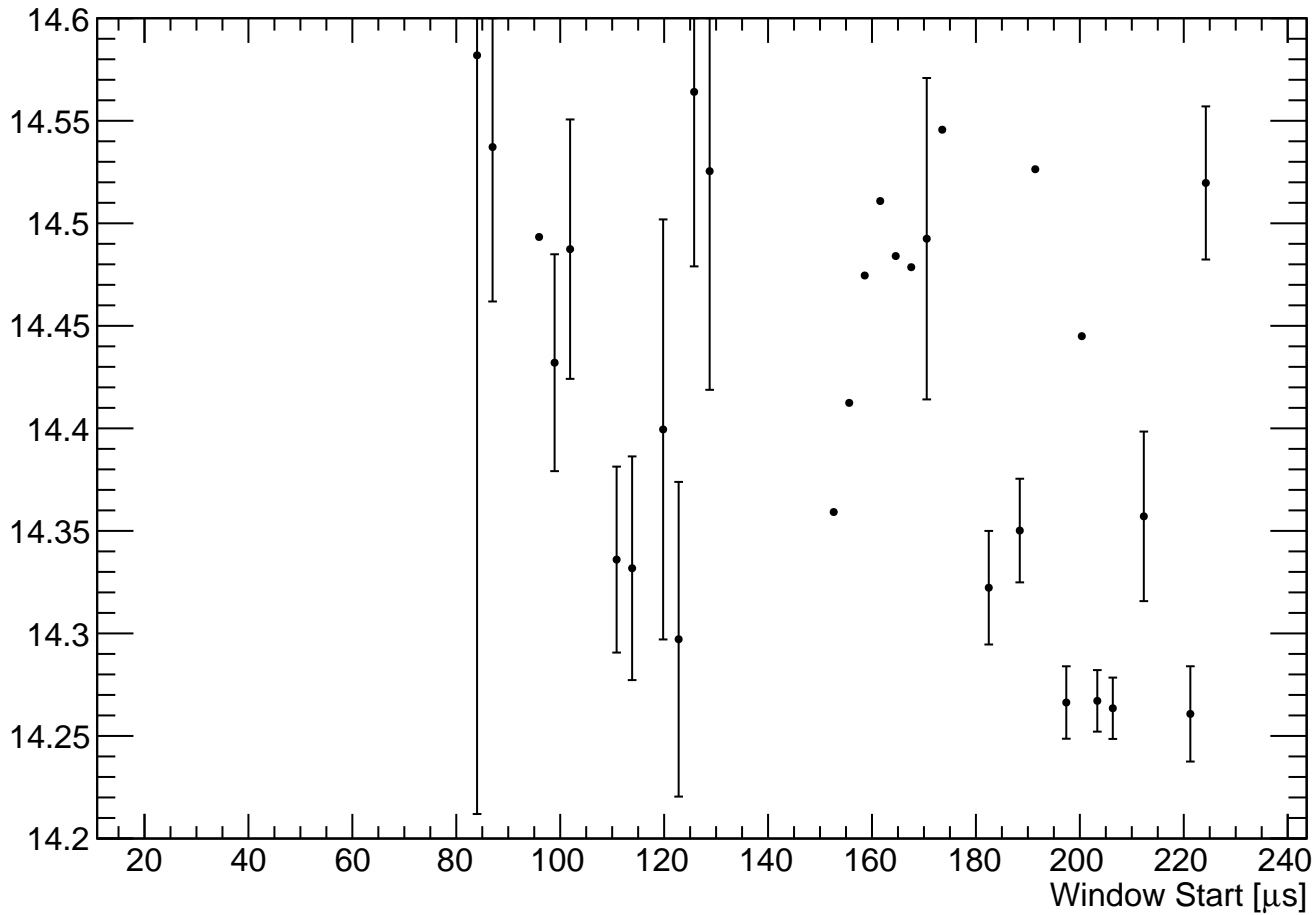


w_y

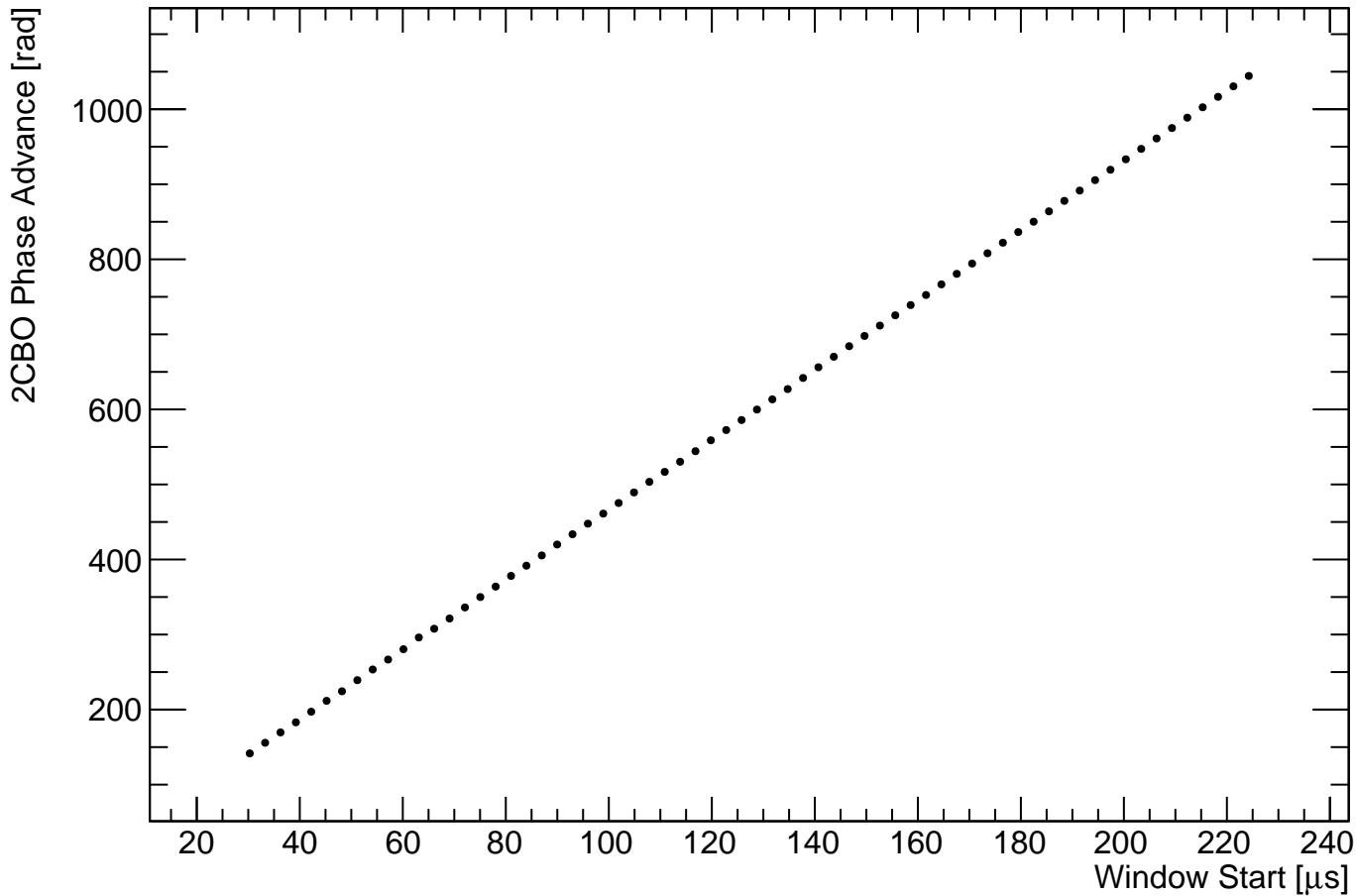


W_VW

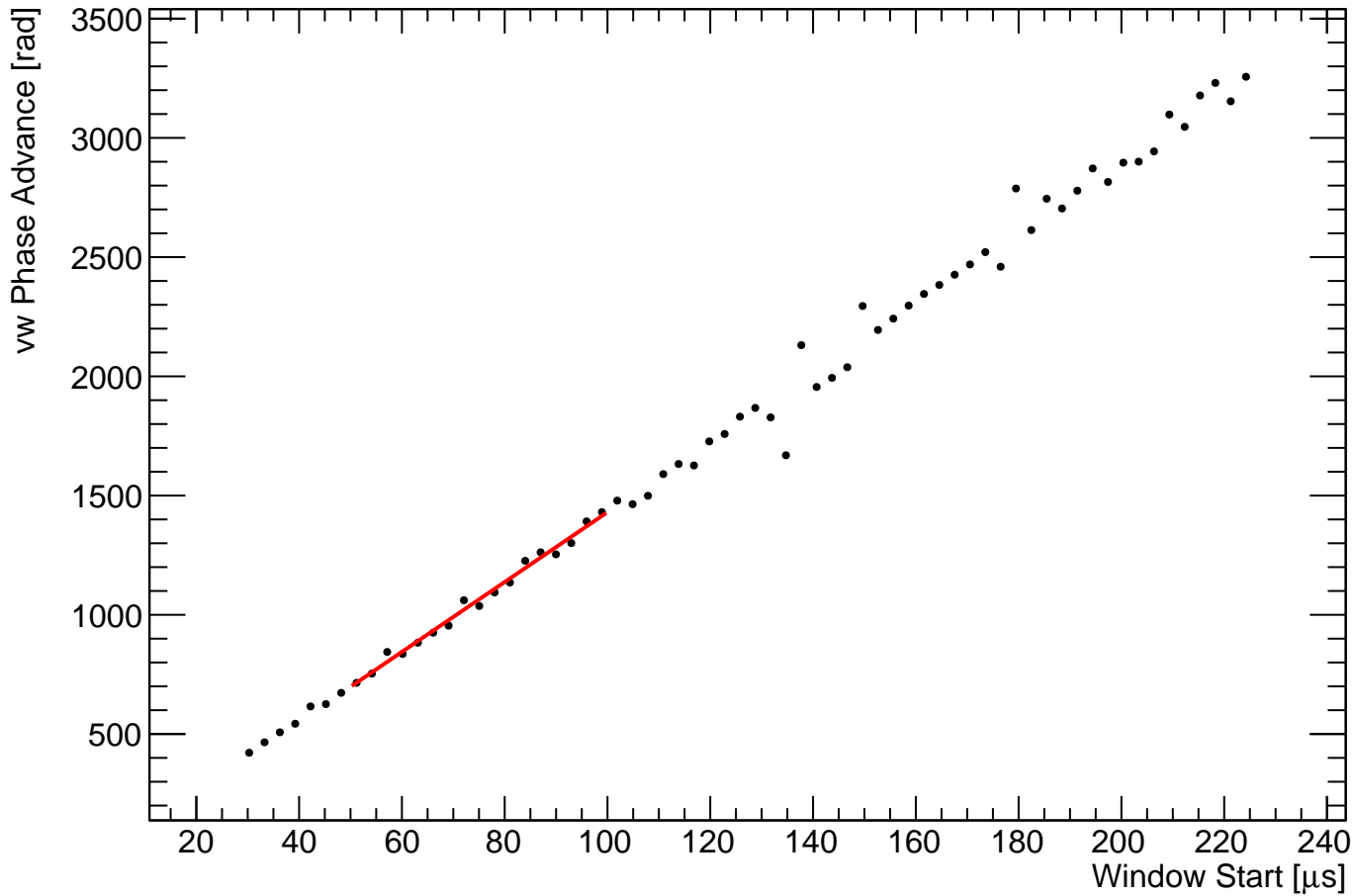
w_vw [rad/s]



2CBO Phase Advance



vw Phase Advance



vw Phase Advance Residual

