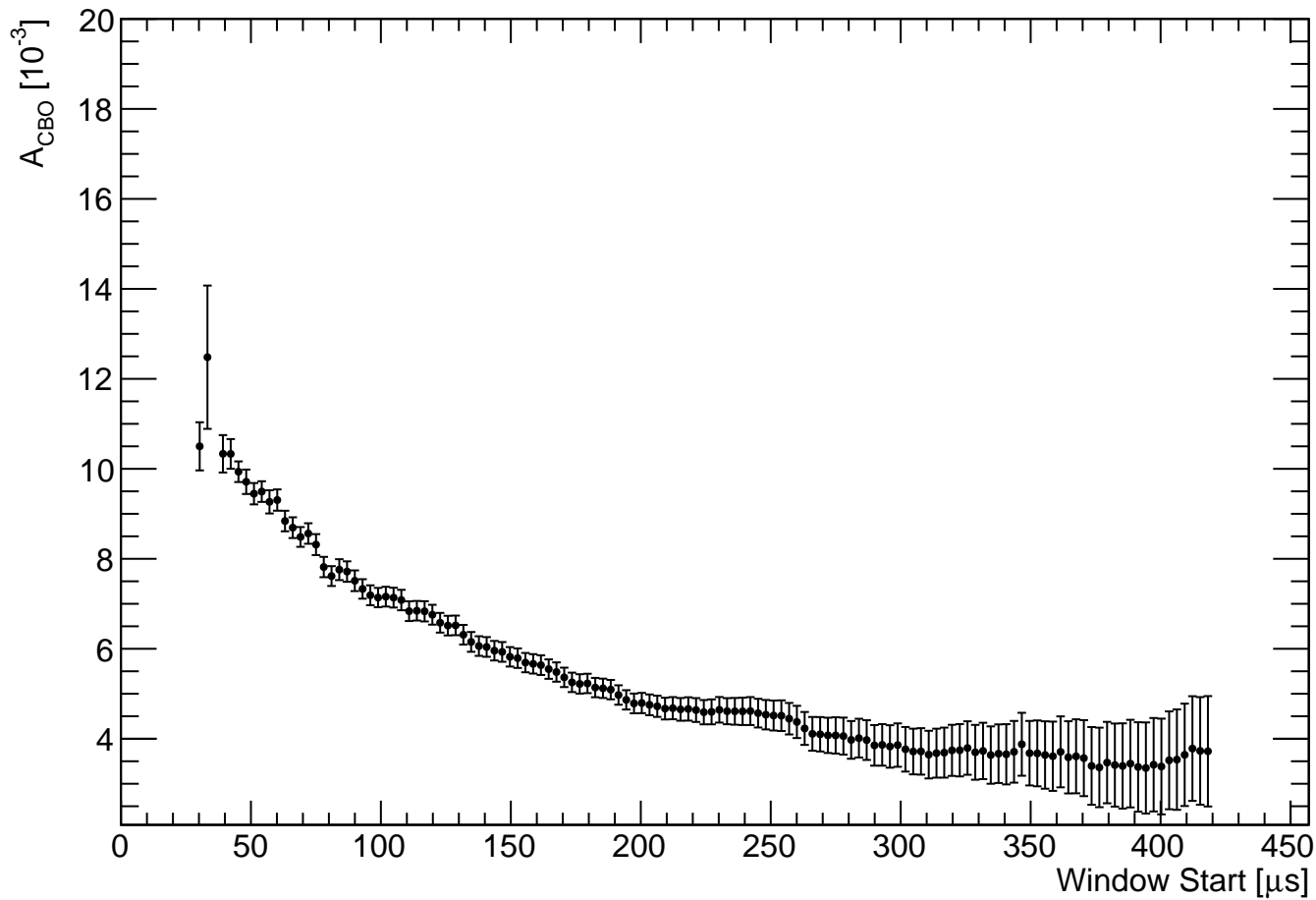
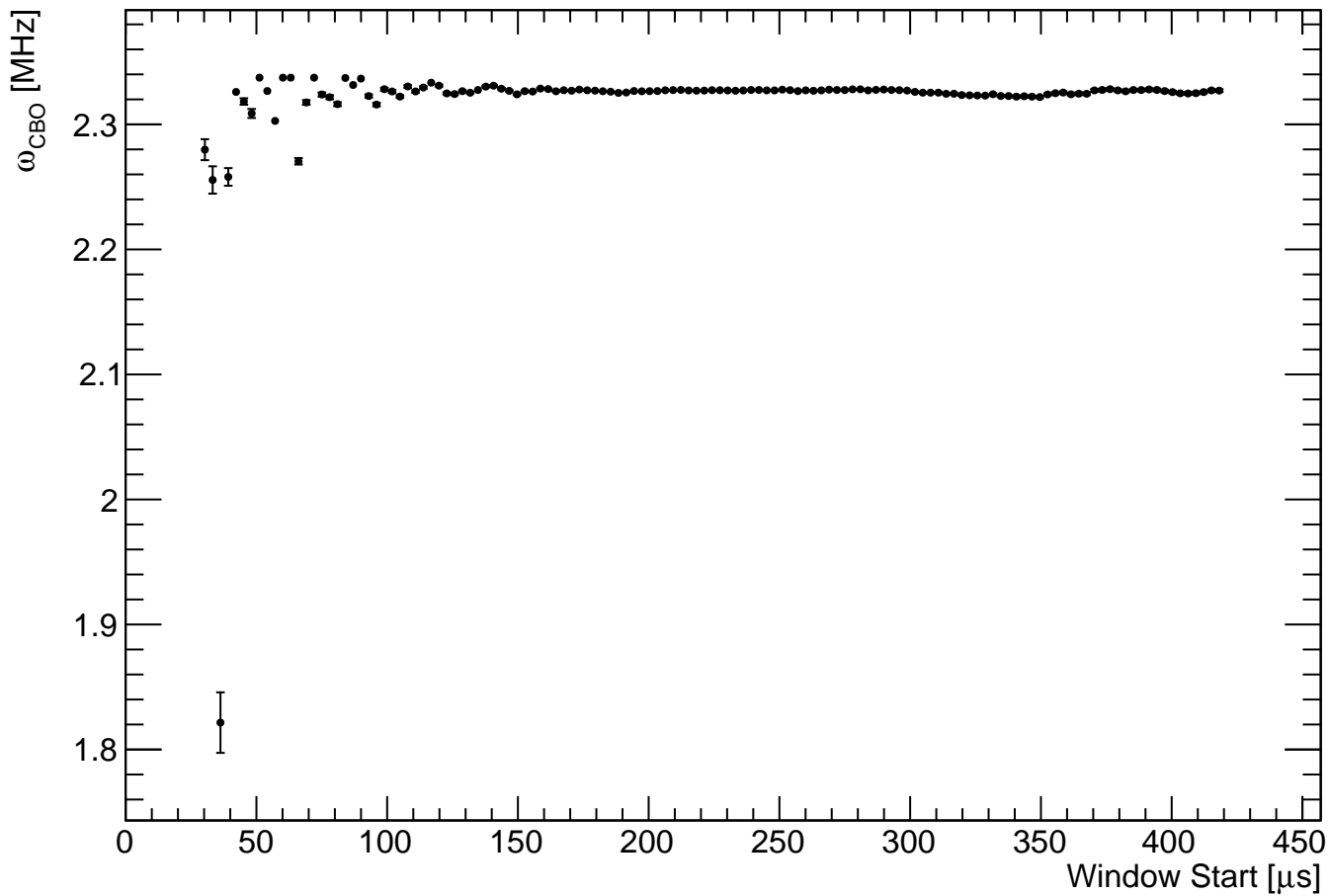


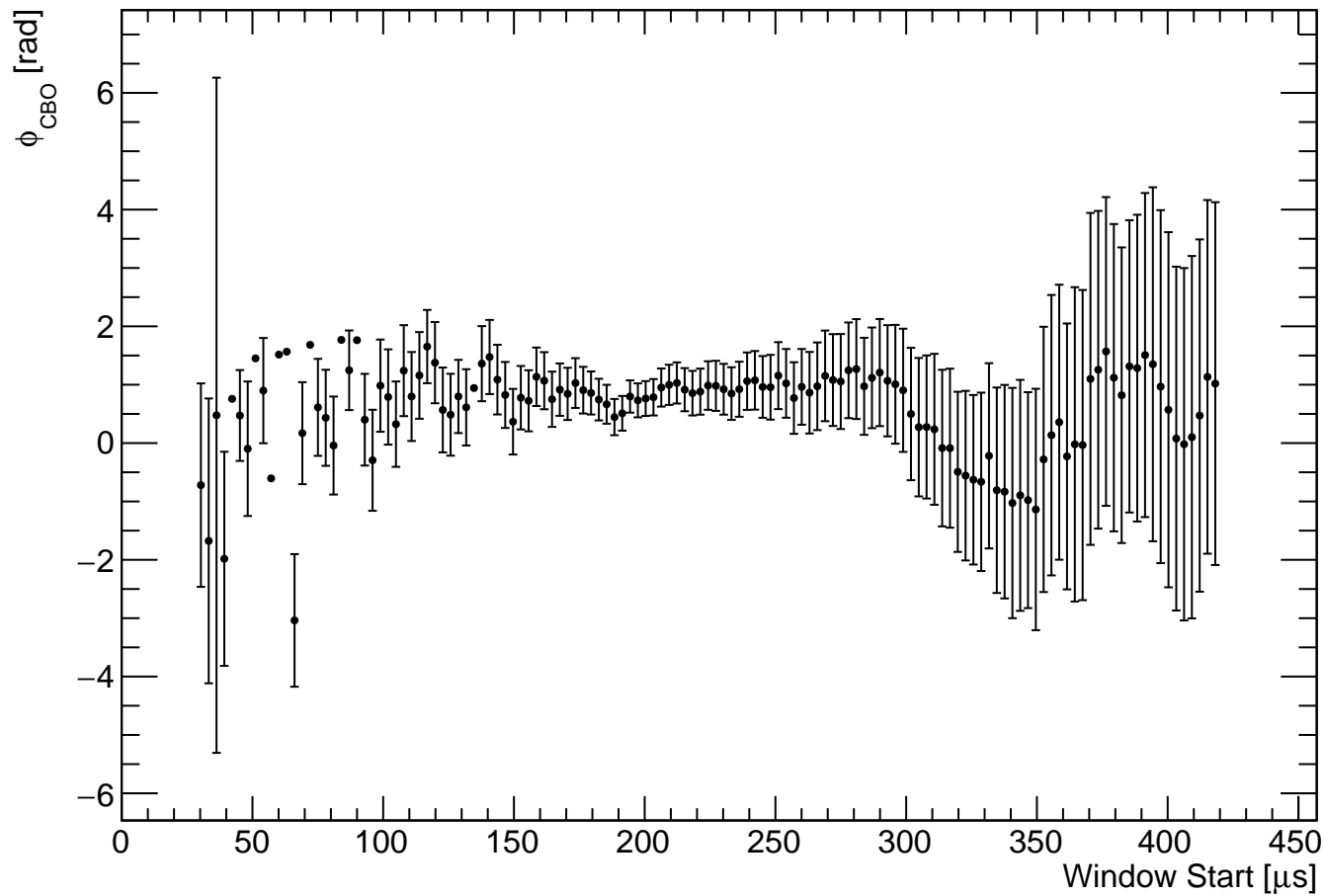
A\_CBO v time



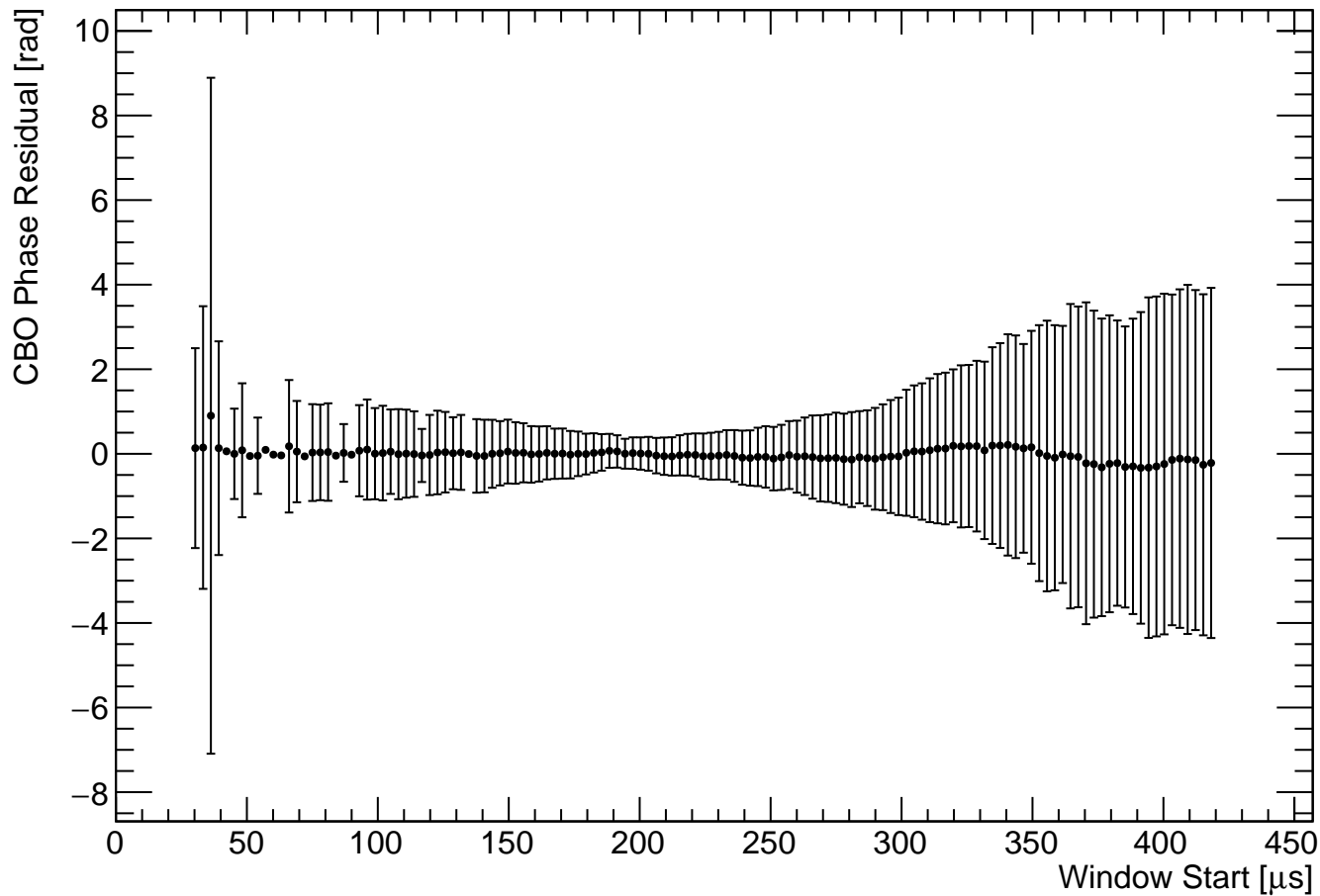
w\_CBO v time



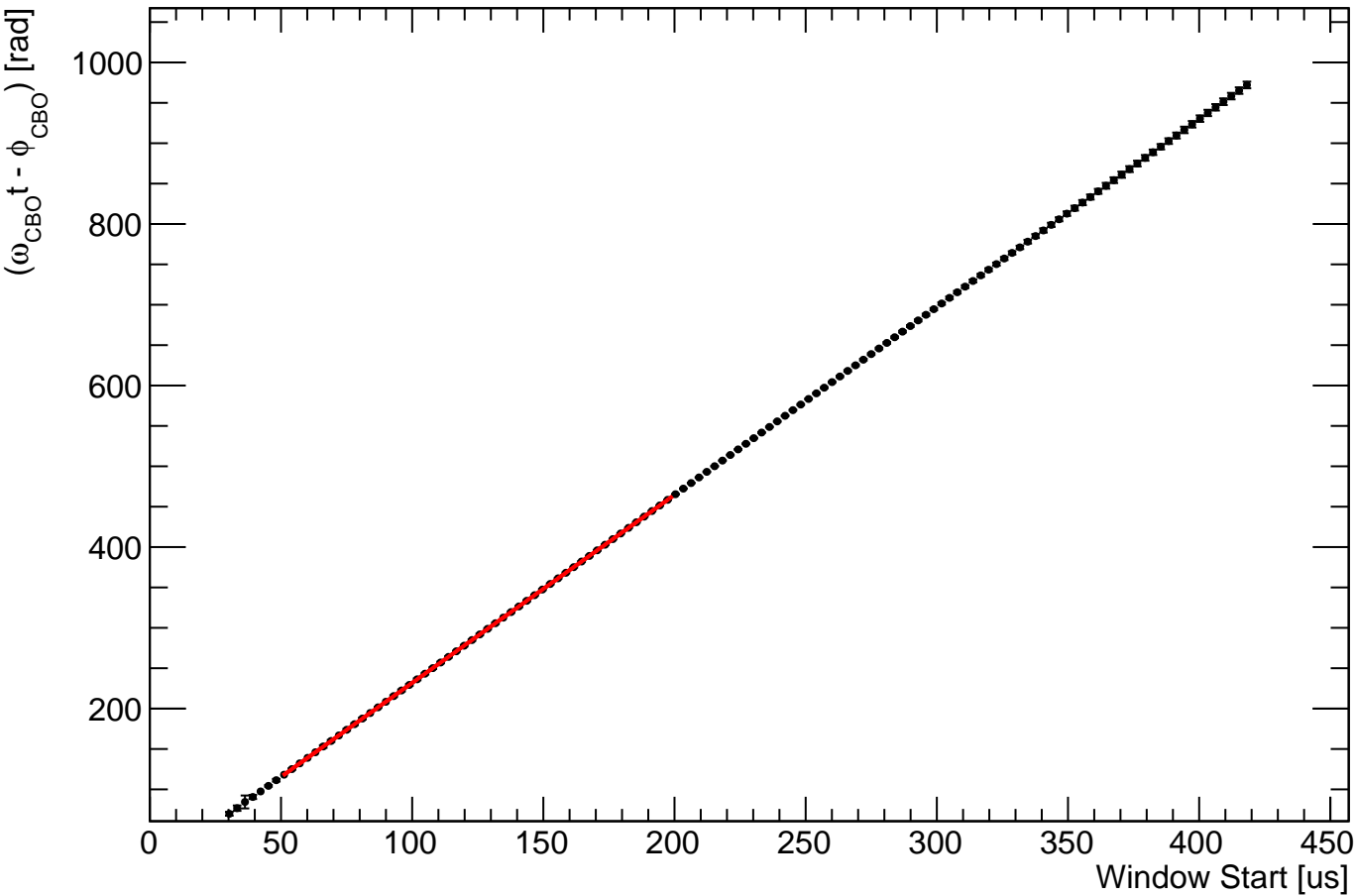
p\_CBO v time



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

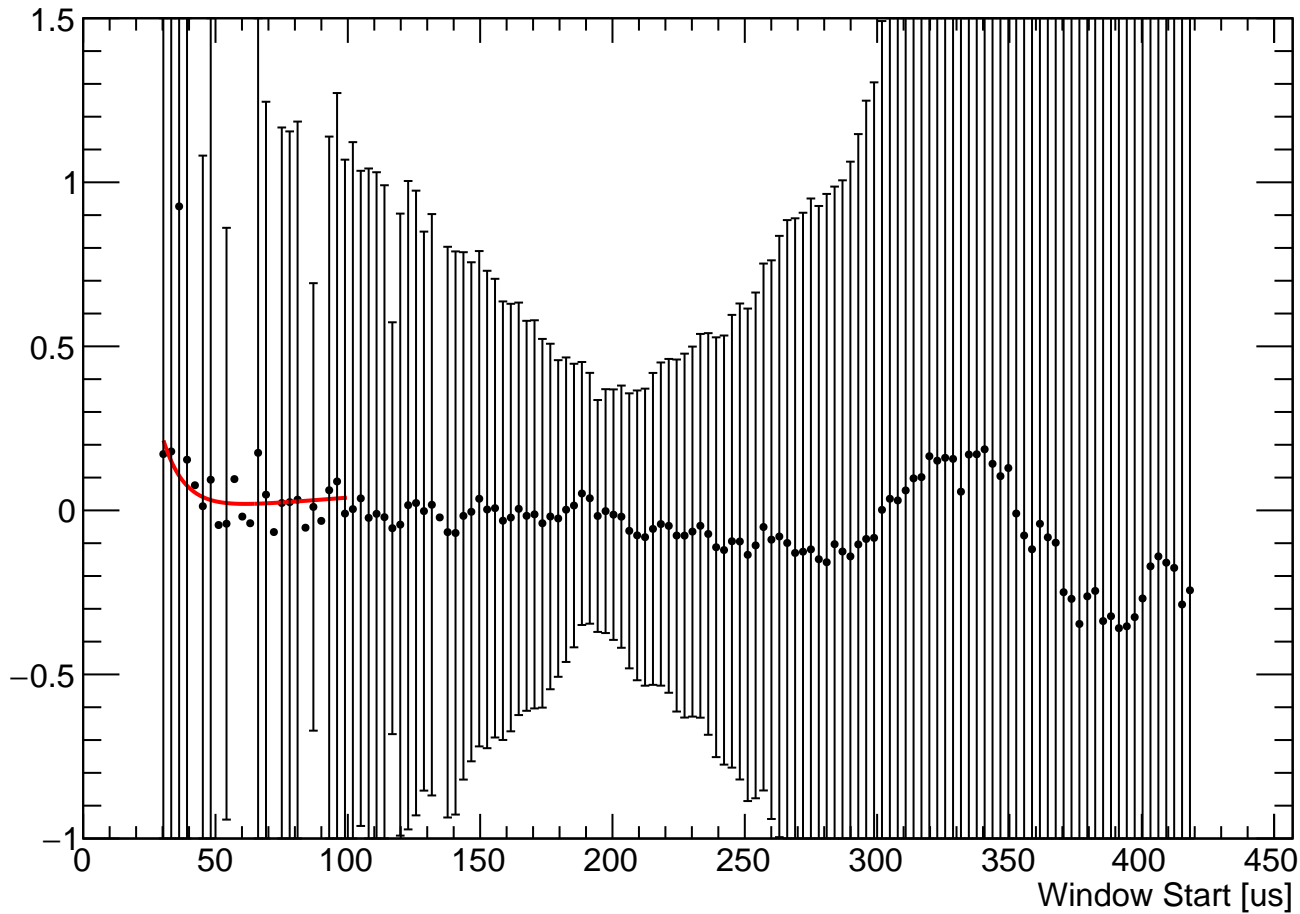


# CBO Phase Advance from Sliding Windows

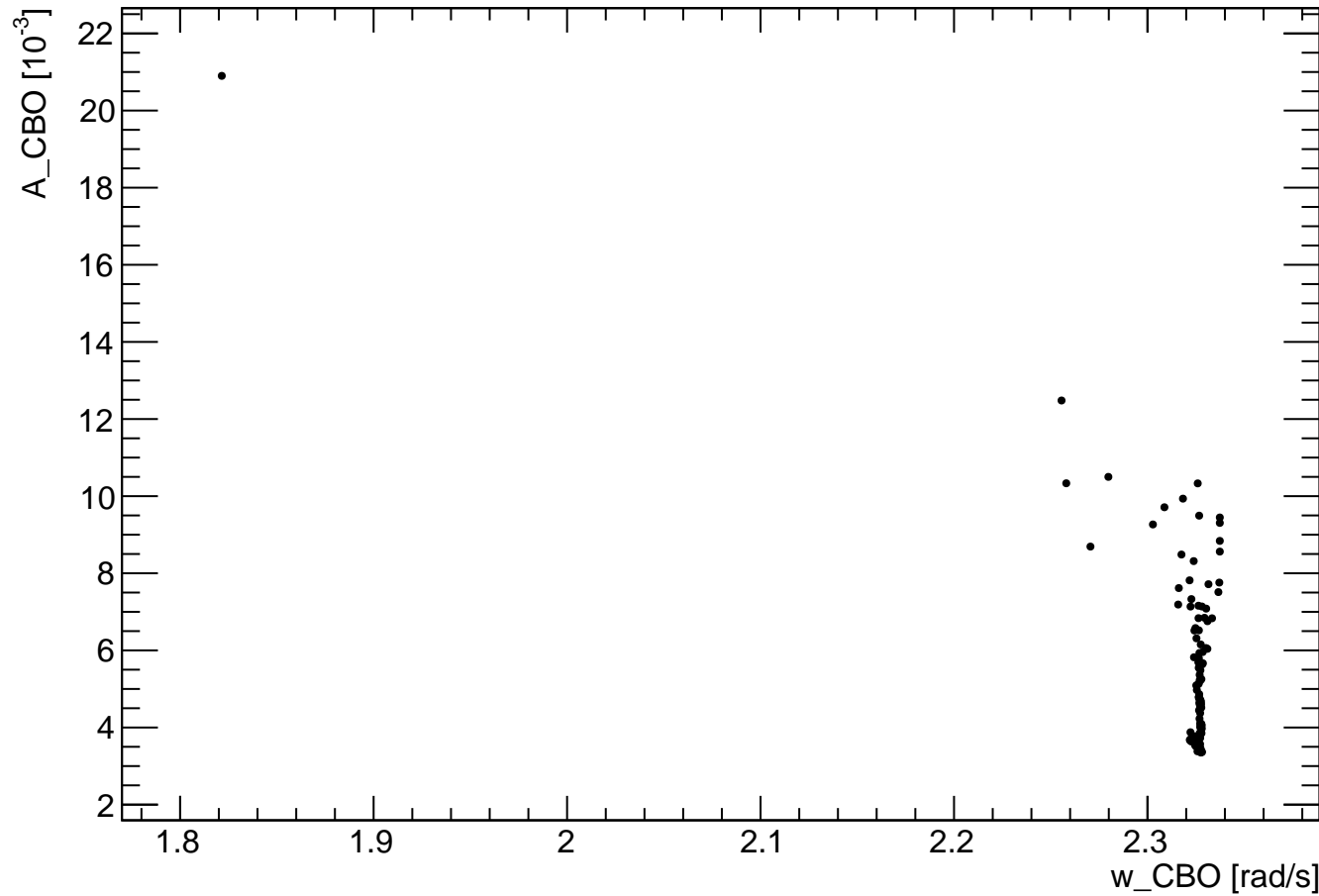


$$(\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{window}} - (\omega_0 t - \phi_0)_{\text{late}}$$

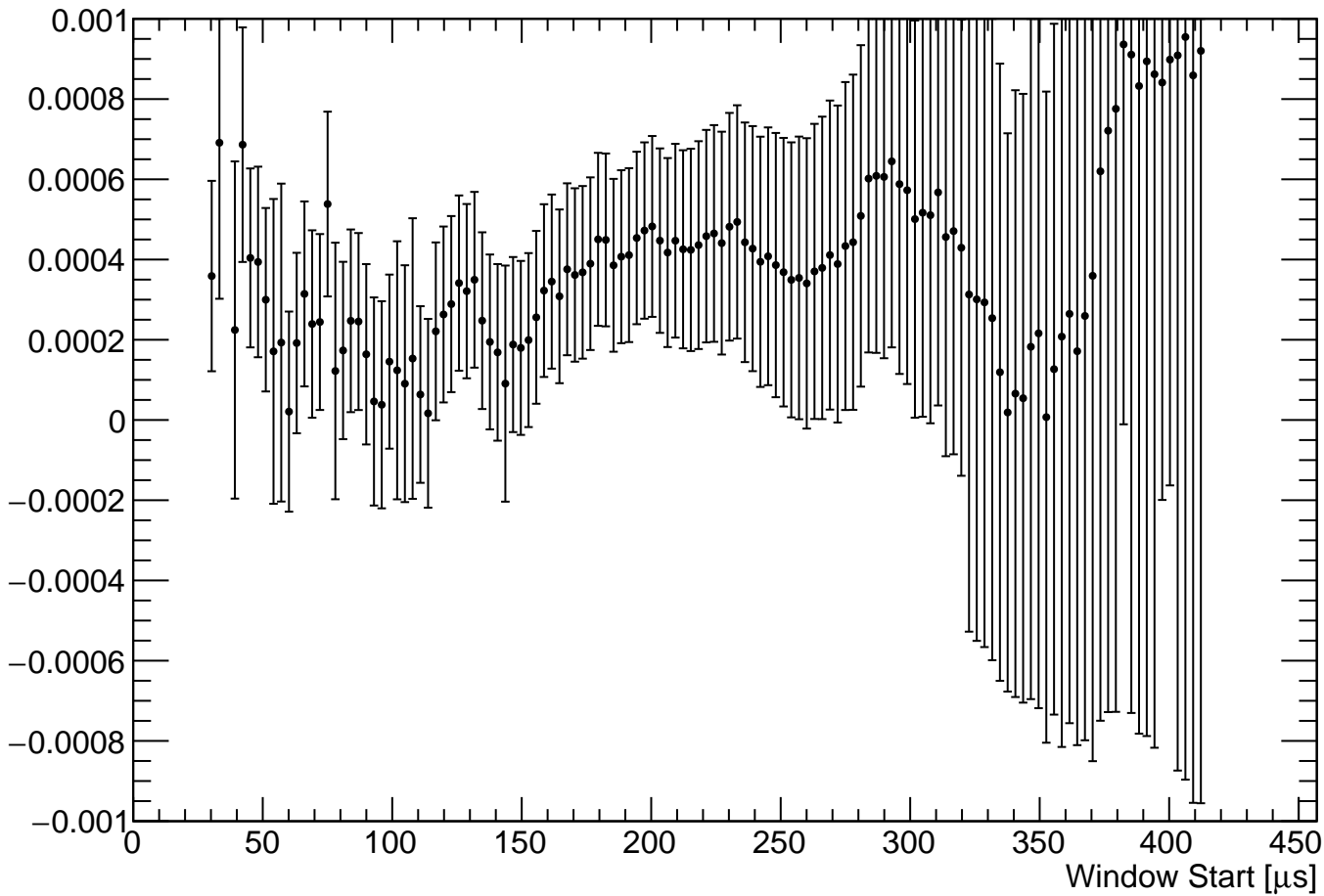
CBO Phase Residual [rad]



w\_CBO vs A\_CBO

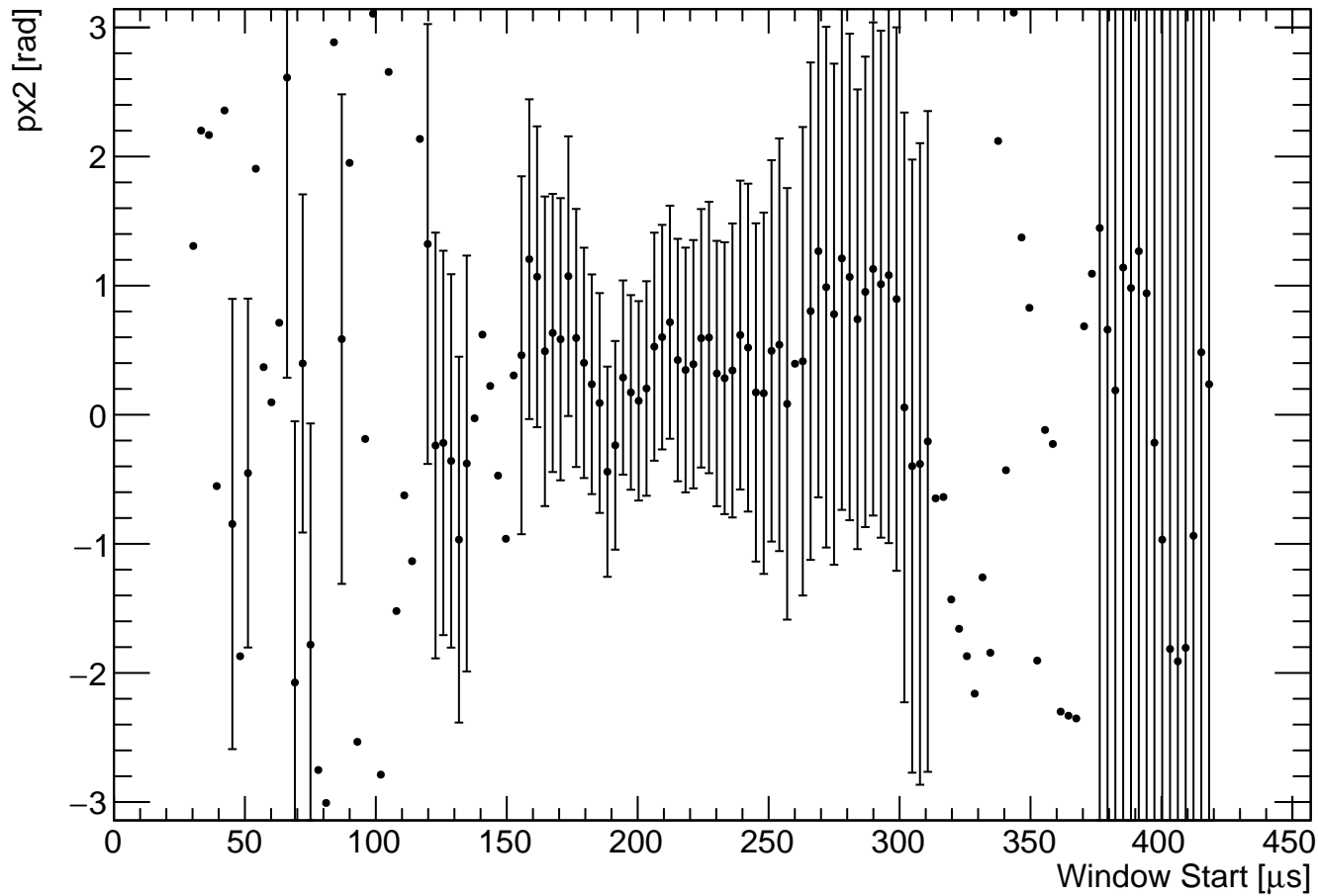


Ax2





px2



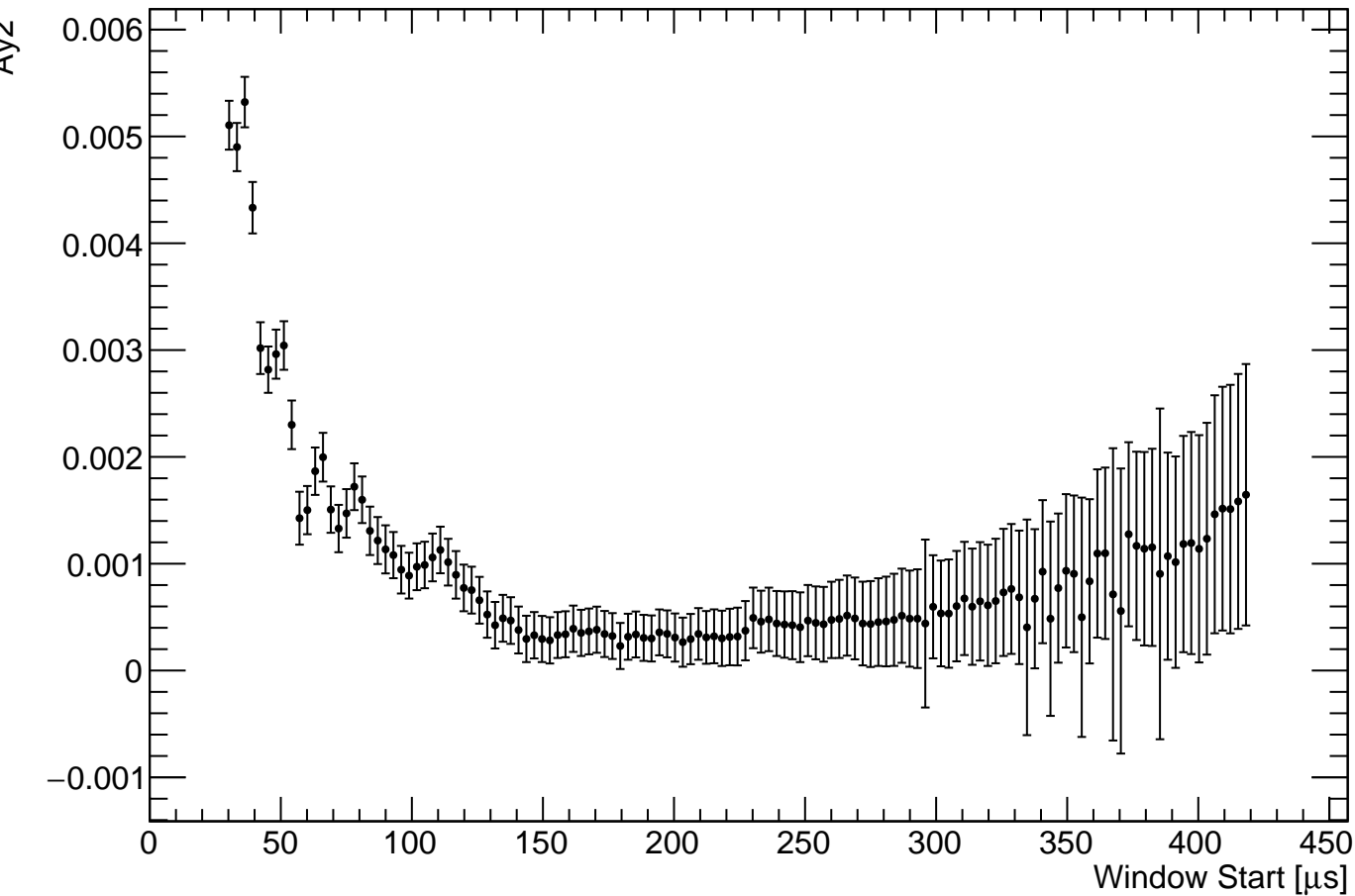
Ay1



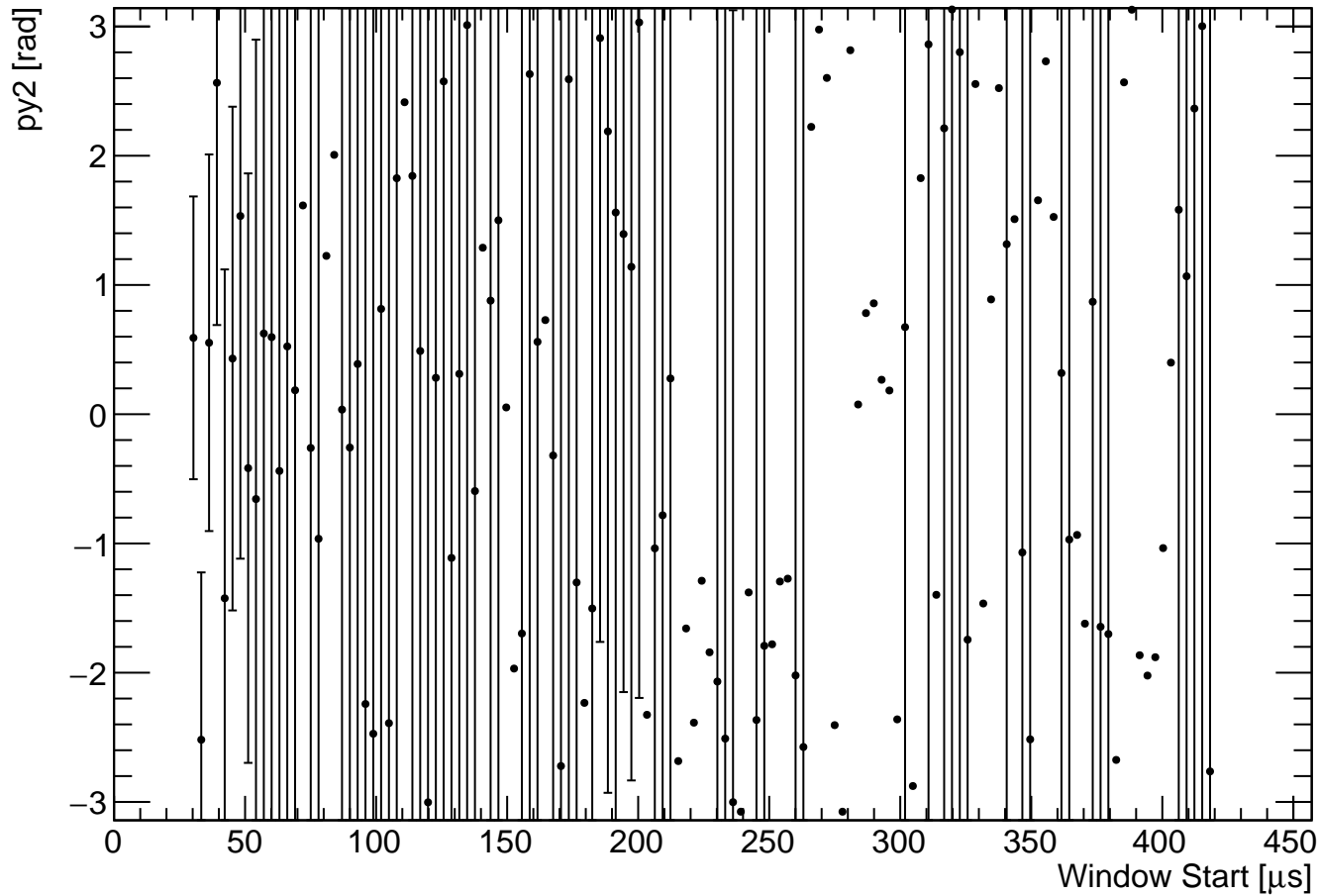
py1



Ay2



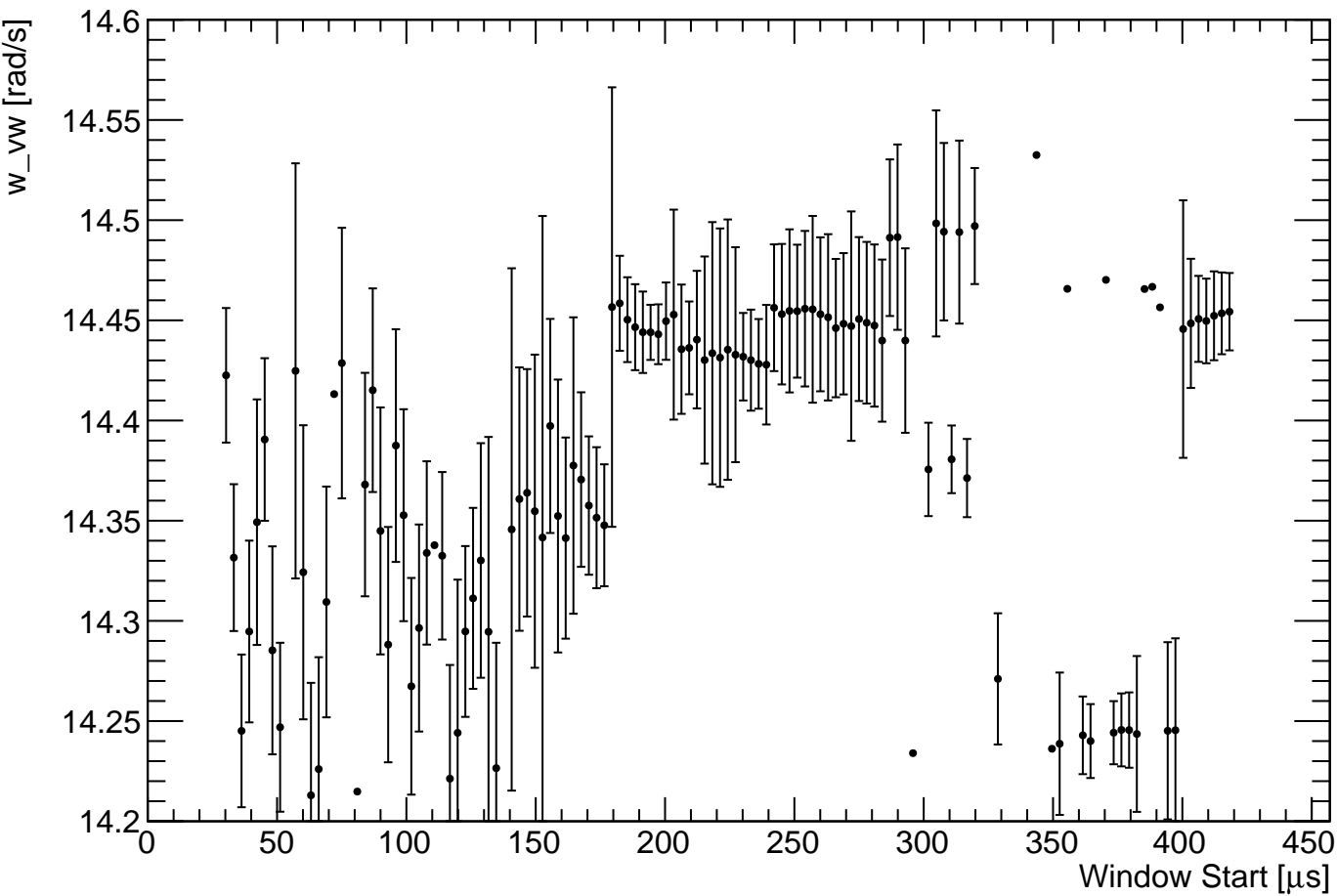
py2



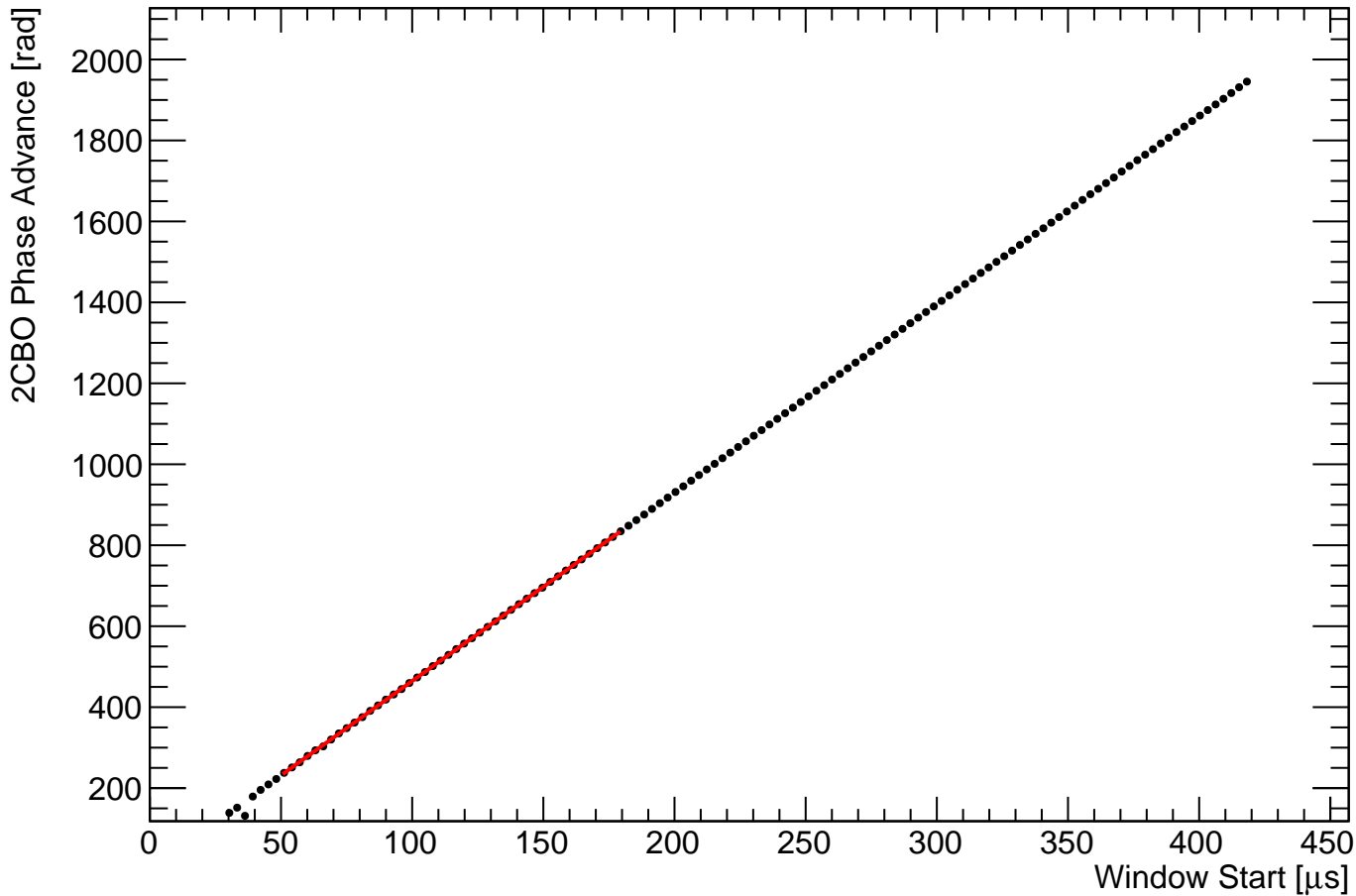
$w_y$



W\_VW

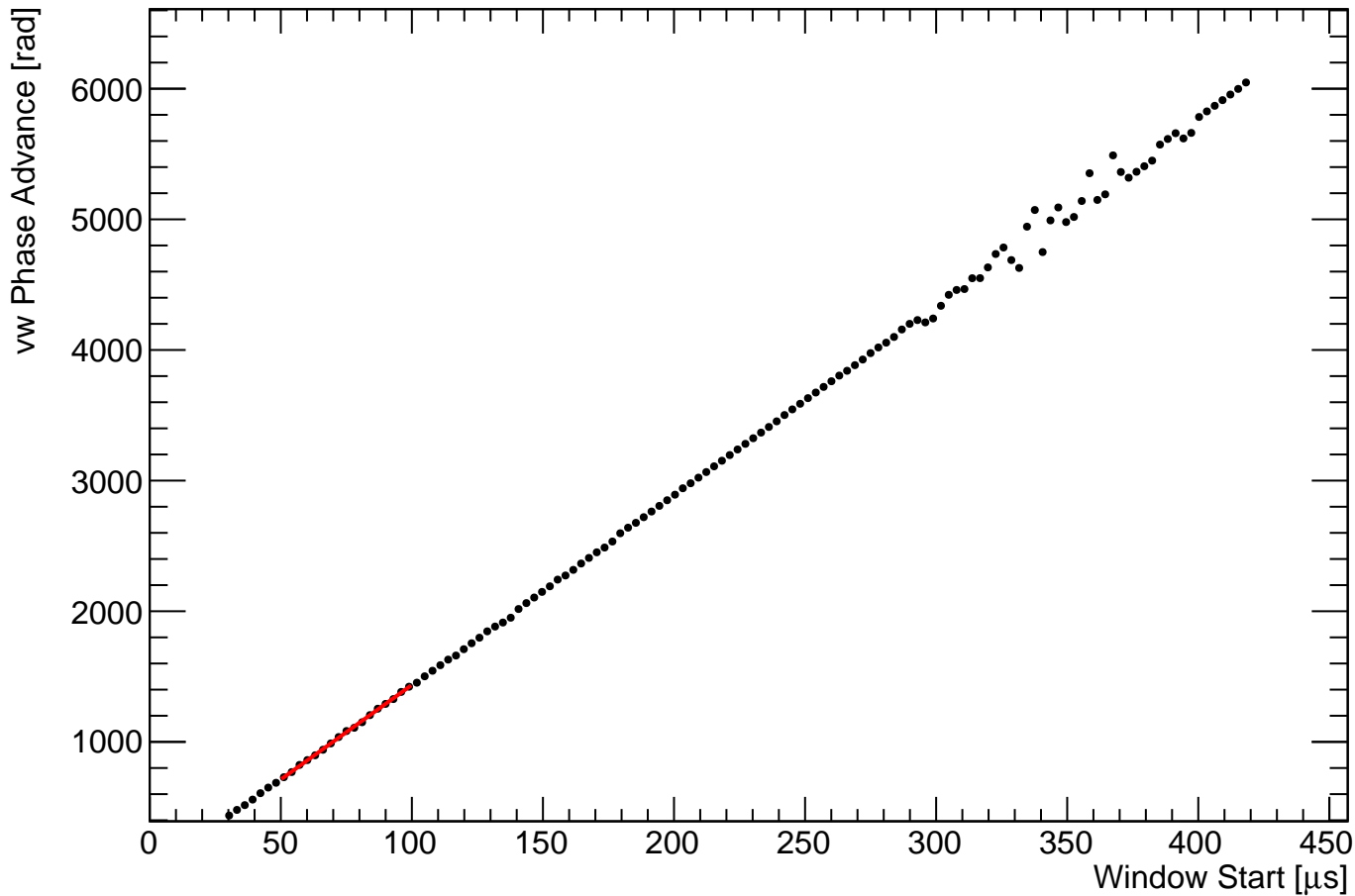


## 2CBO Phase Advance

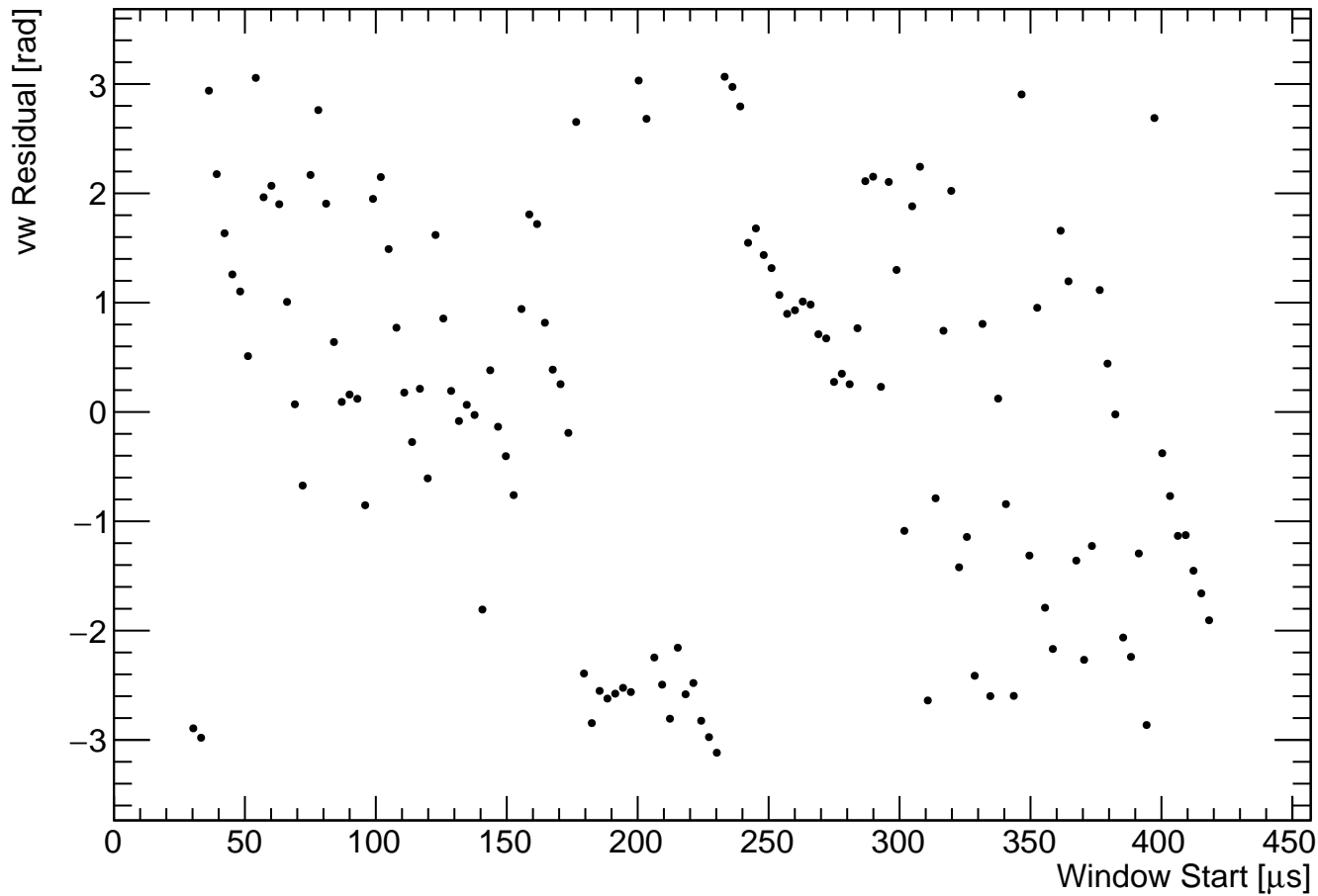




# vw Phase Advance



# vw Phase Advance Residual



# 2CBO Phase Advance Residual

