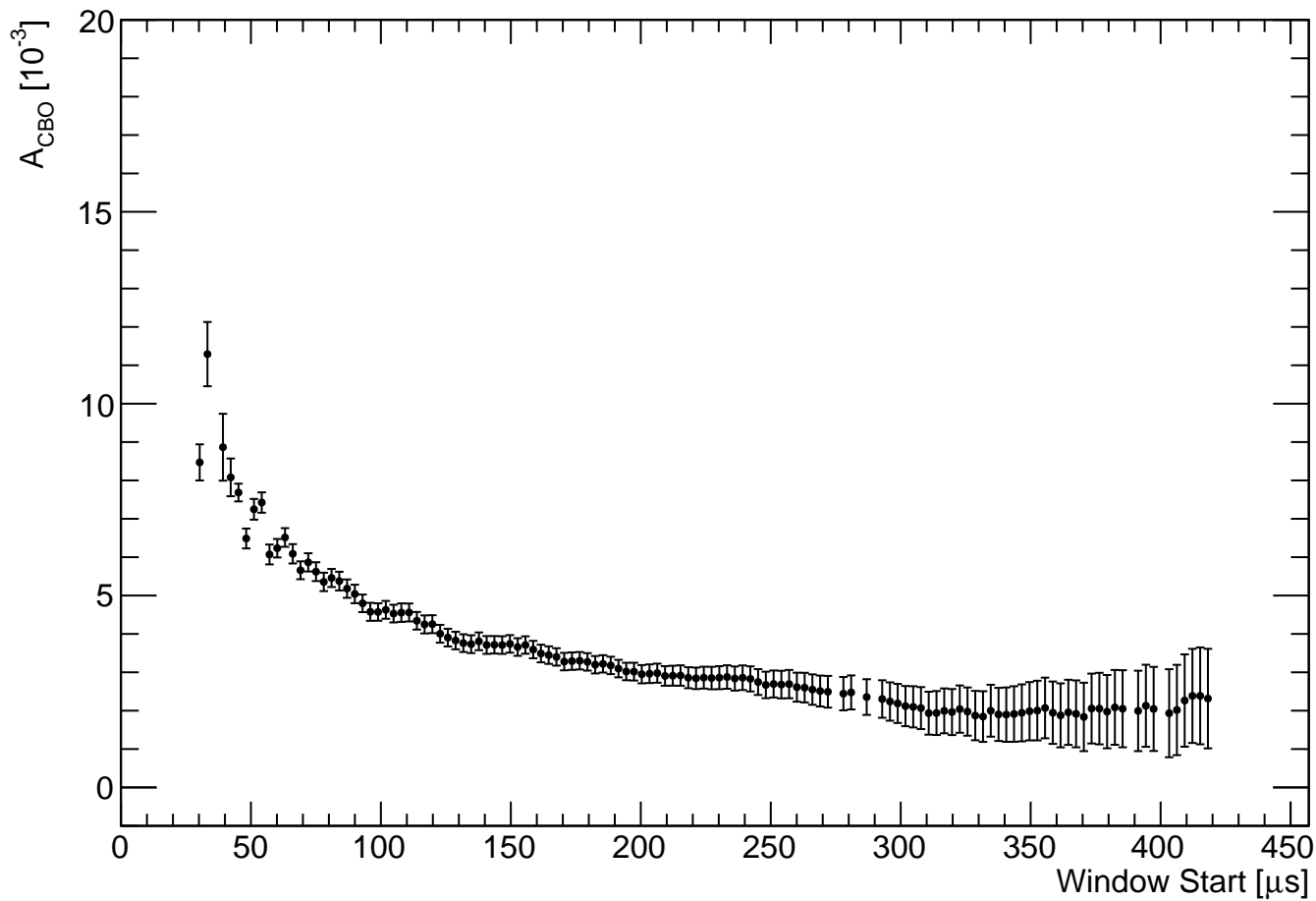
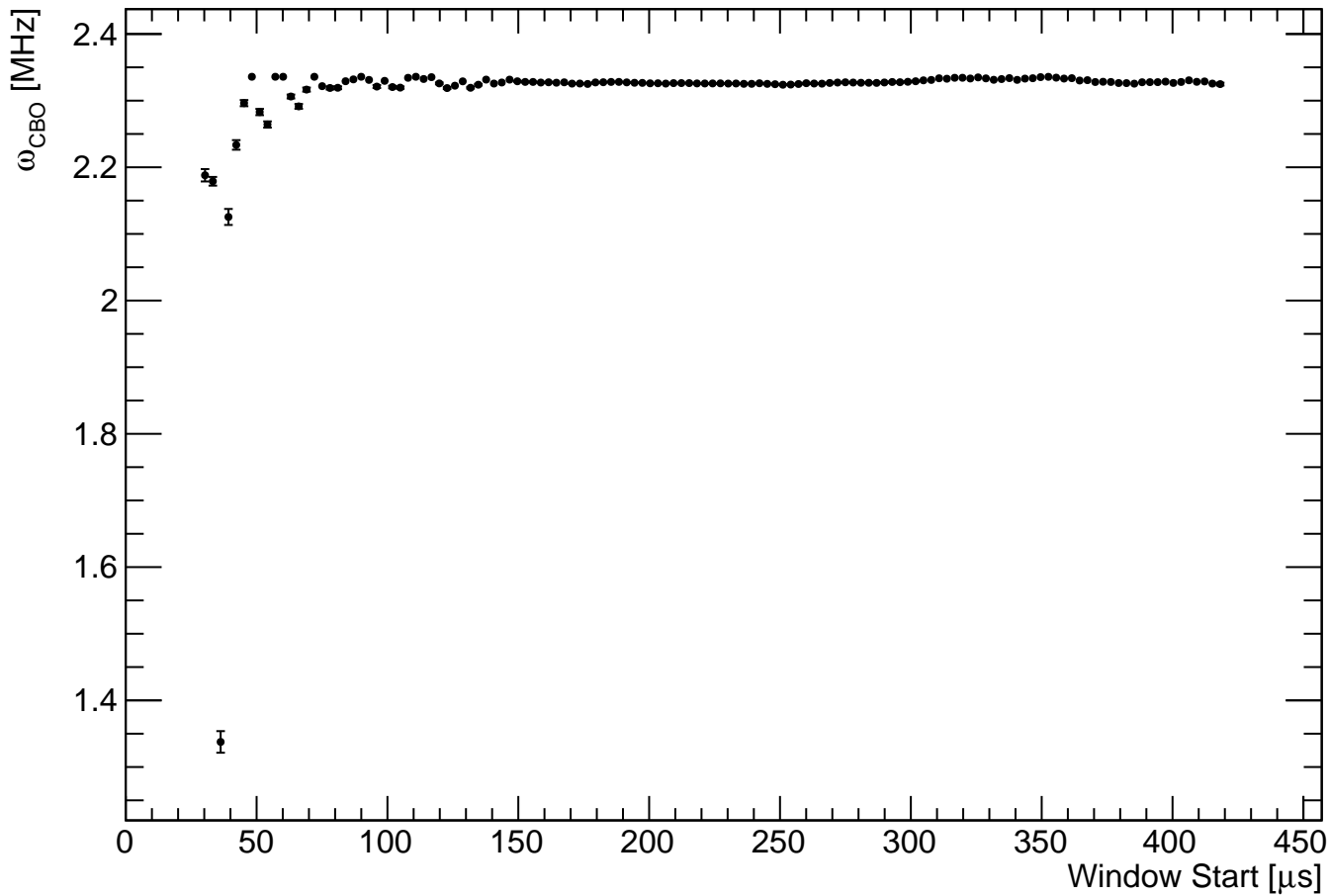


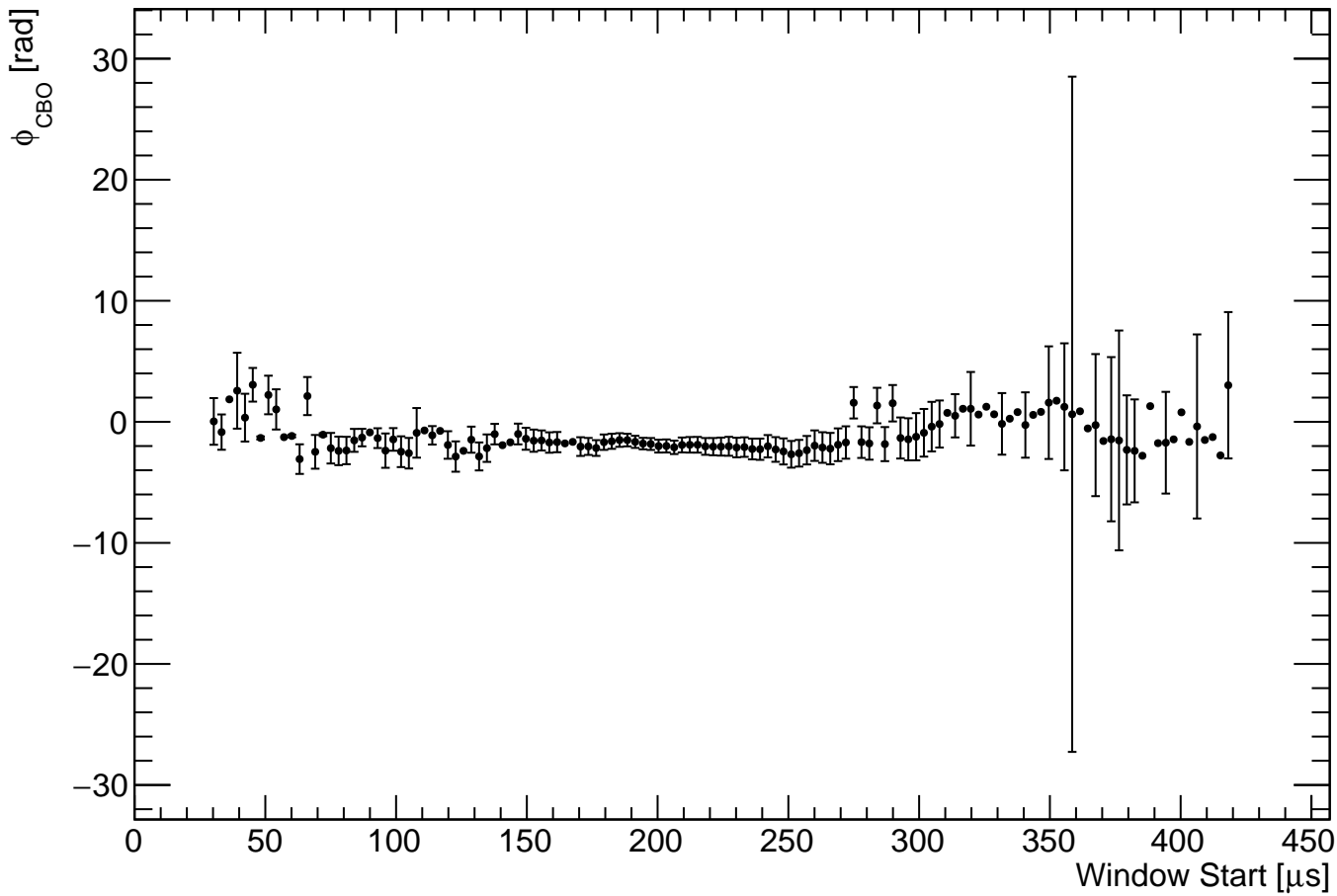
A\_CBO v time



w\_CBO v time

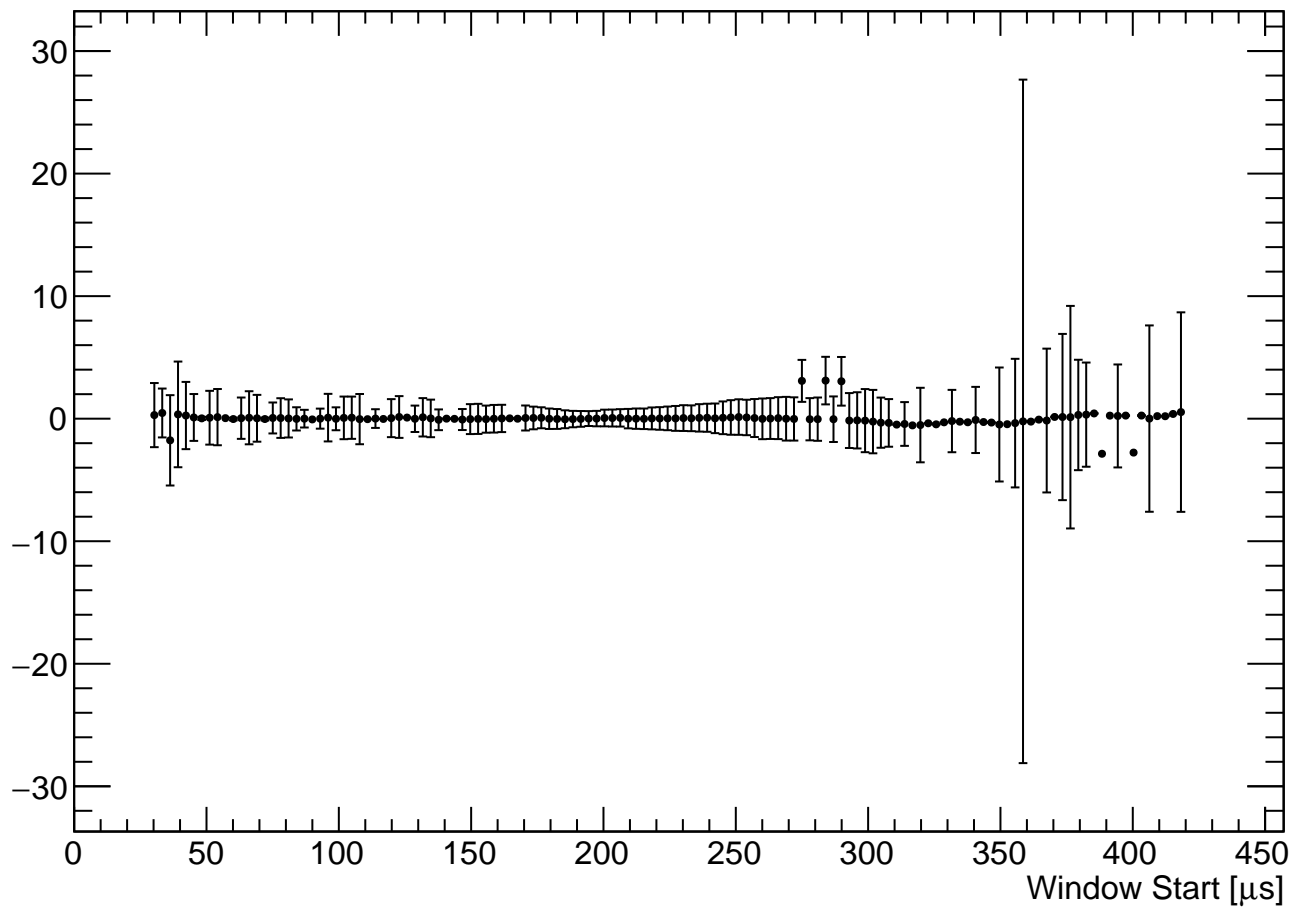


p\_CBO v time

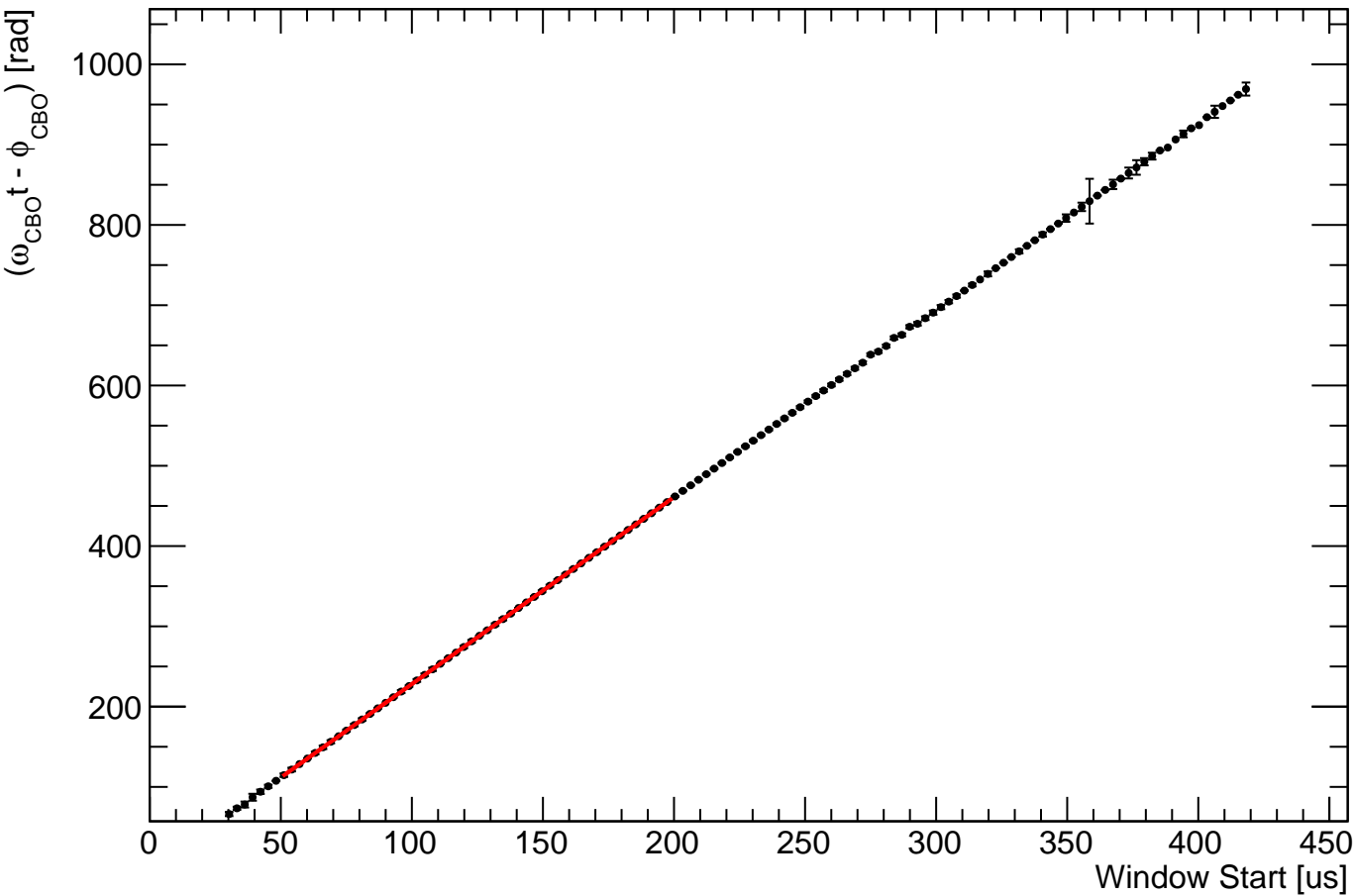


$$(\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{window}} - (\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{full}}$$

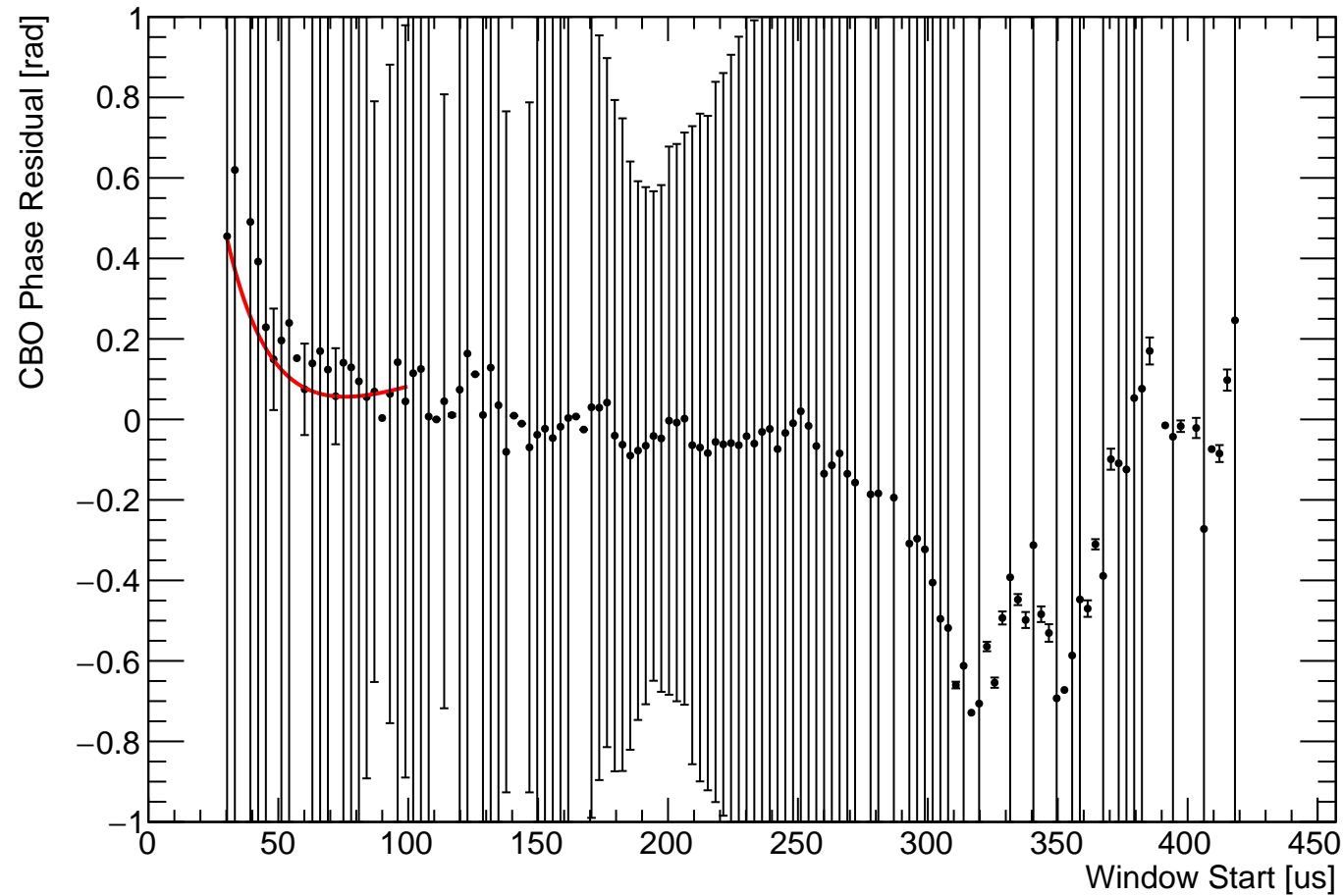
CBO Phase Residual [rad]



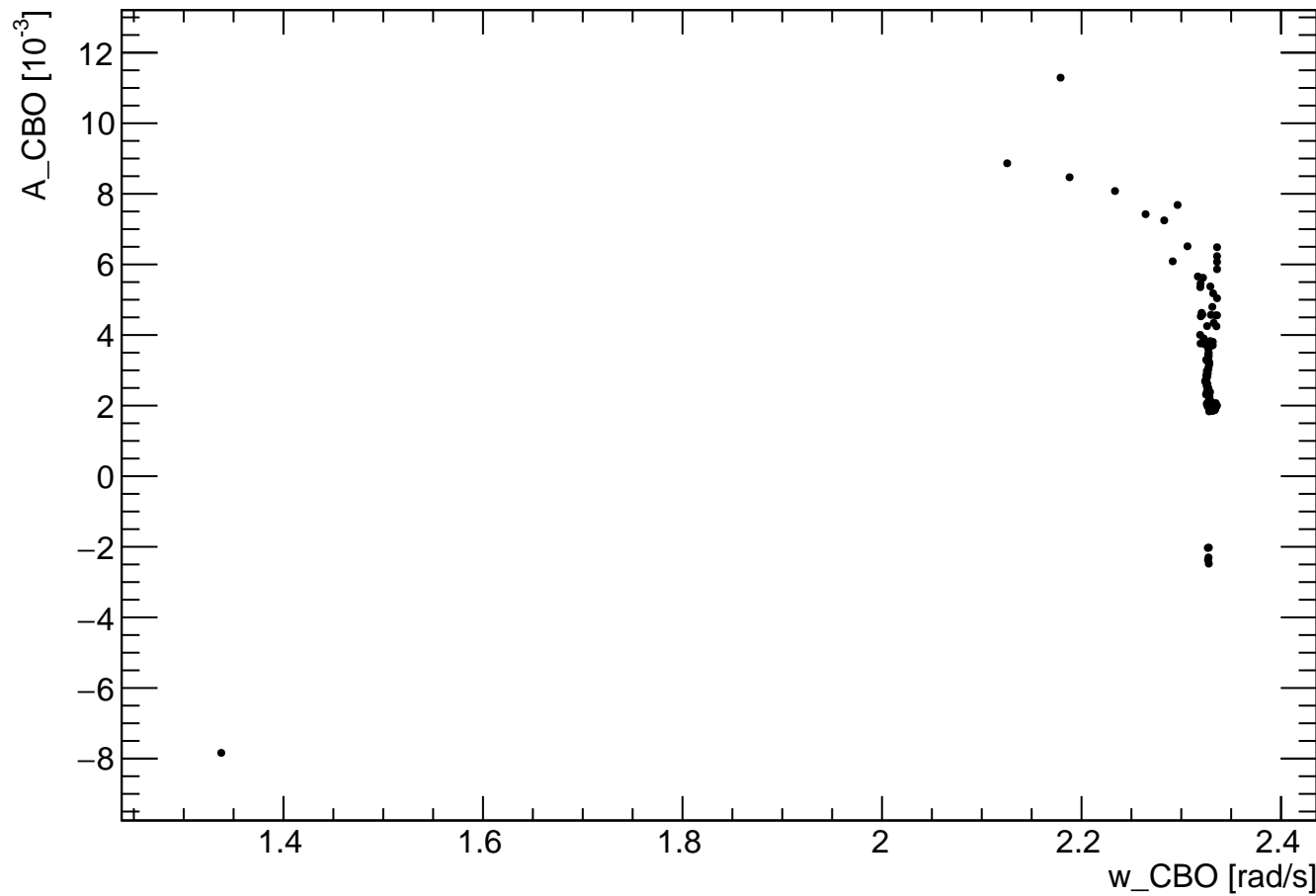
# CBO Phase Advance from Sliding Windows



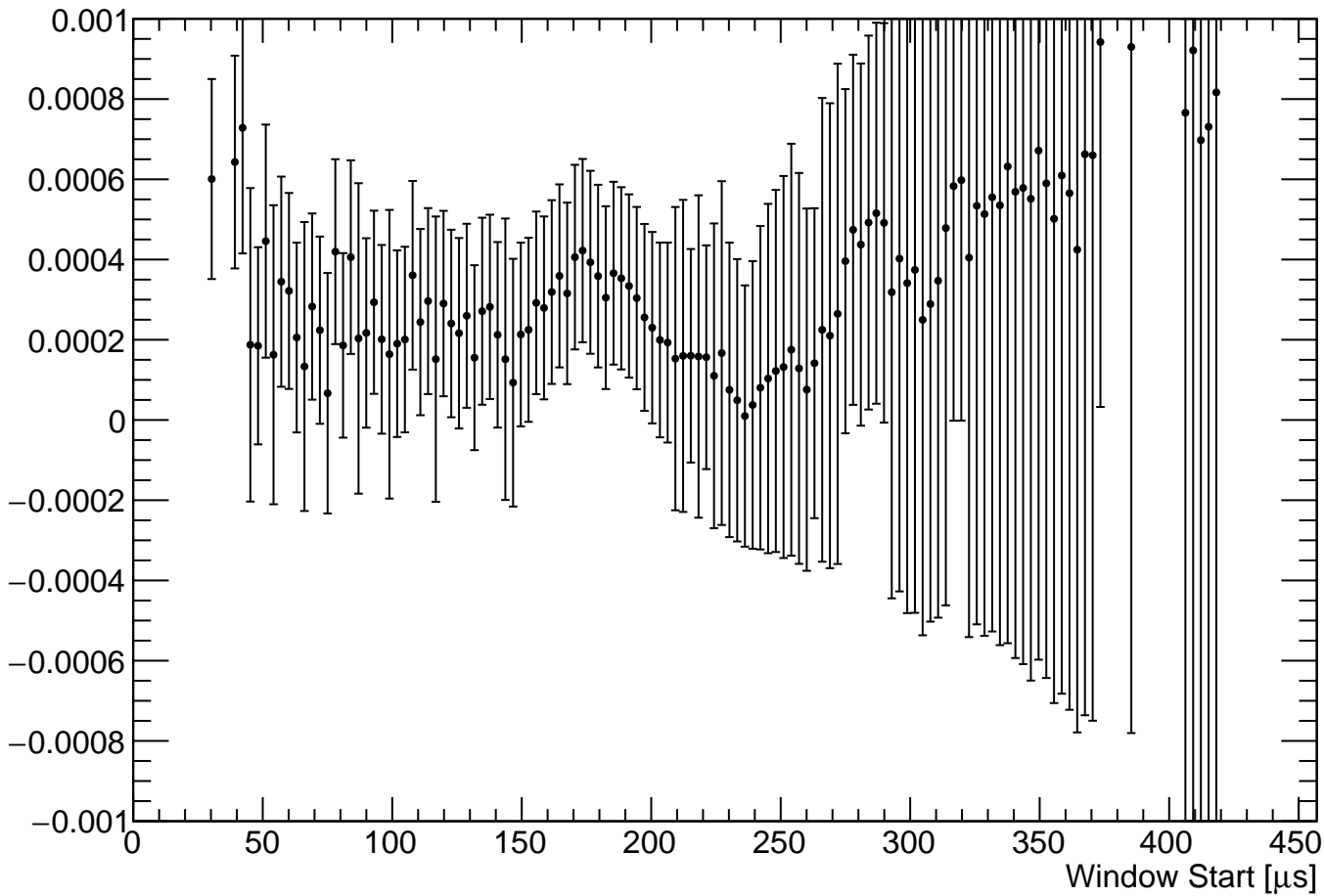
$$(\omega_{\text{CBO}}t - \phi_{\text{CBO}})_{\text{window}} - (\omega_0t - \phi_0)_{\text{late}}$$



w\_CBO vs A\_CBO

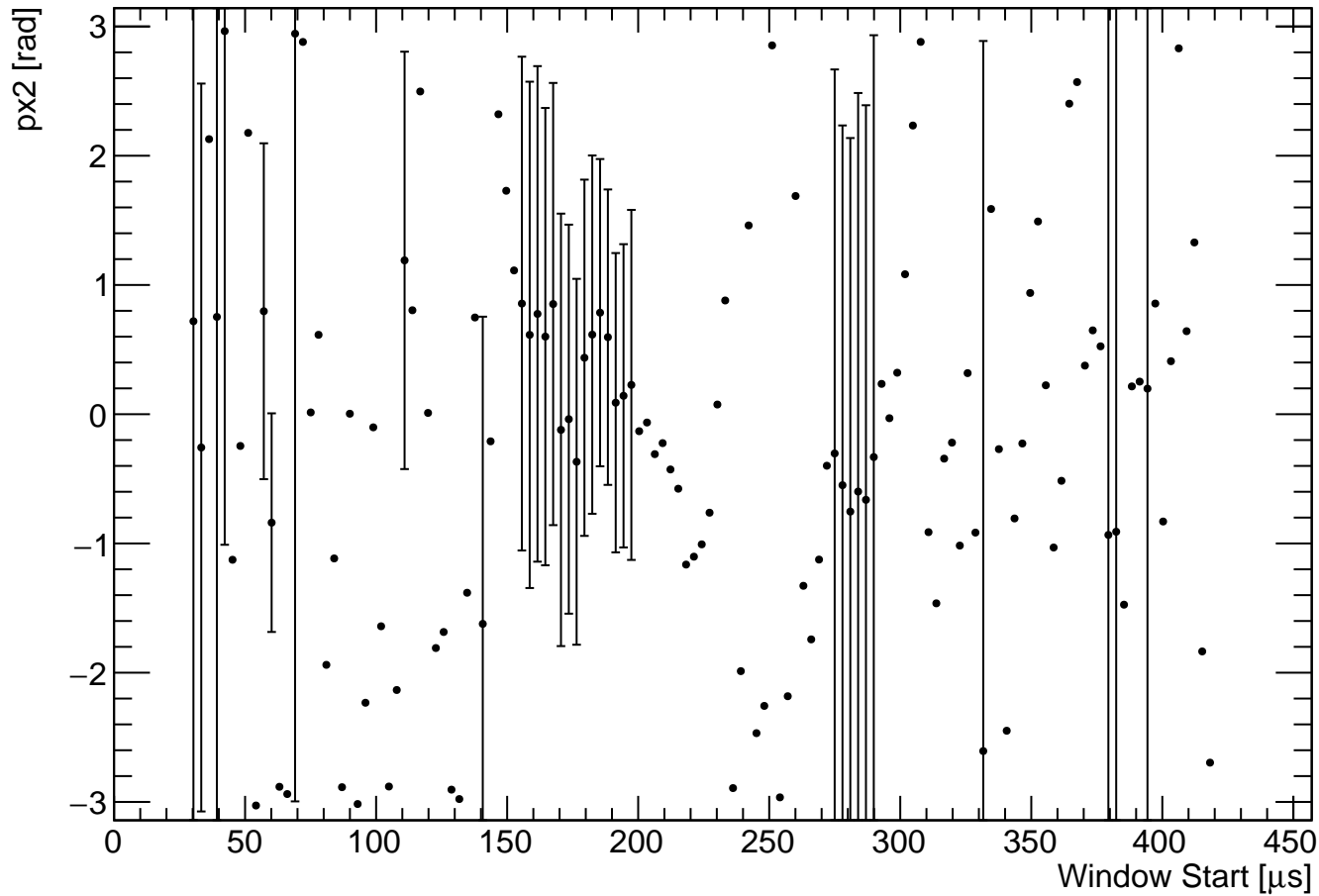


Ax2





px2



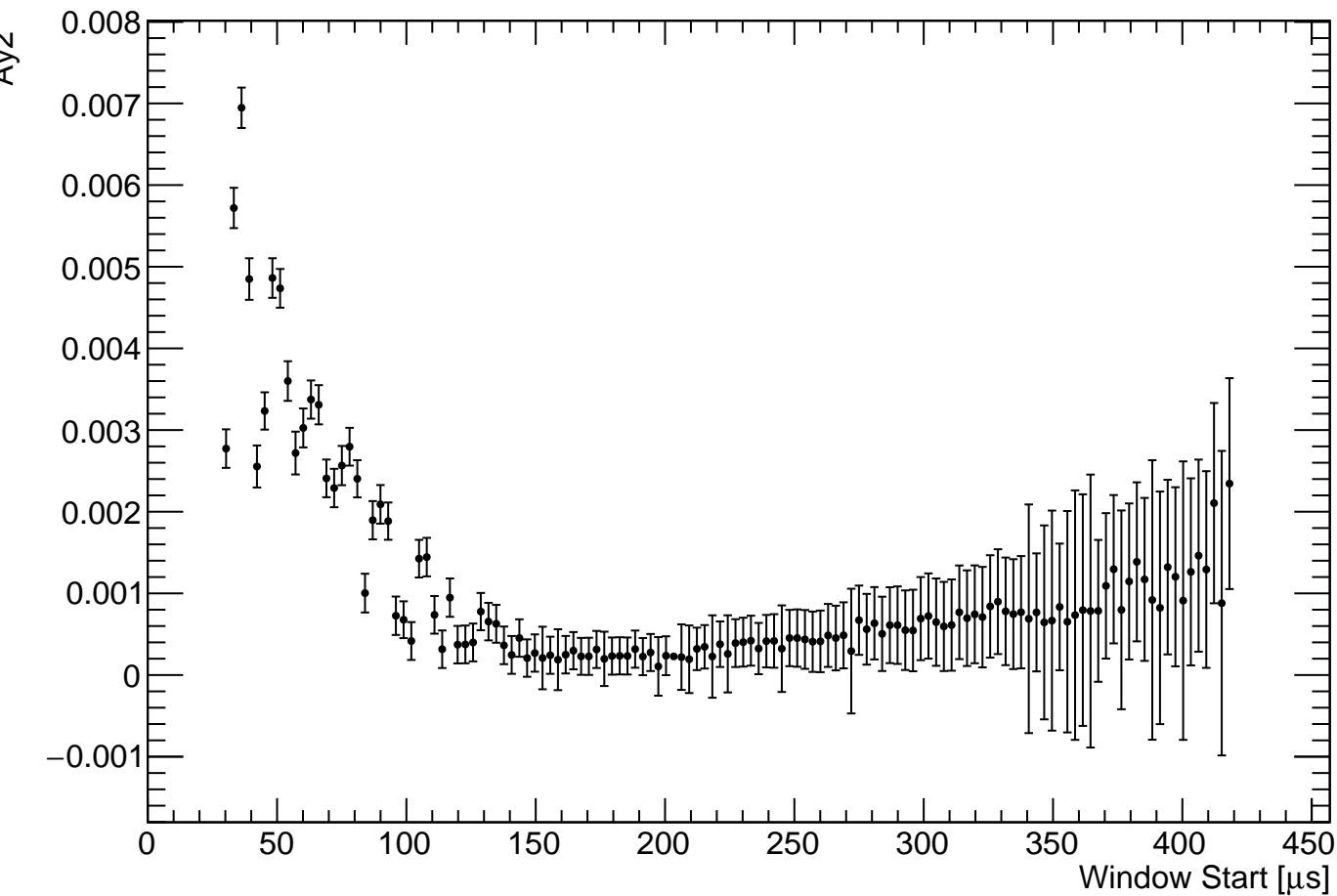
Ay1



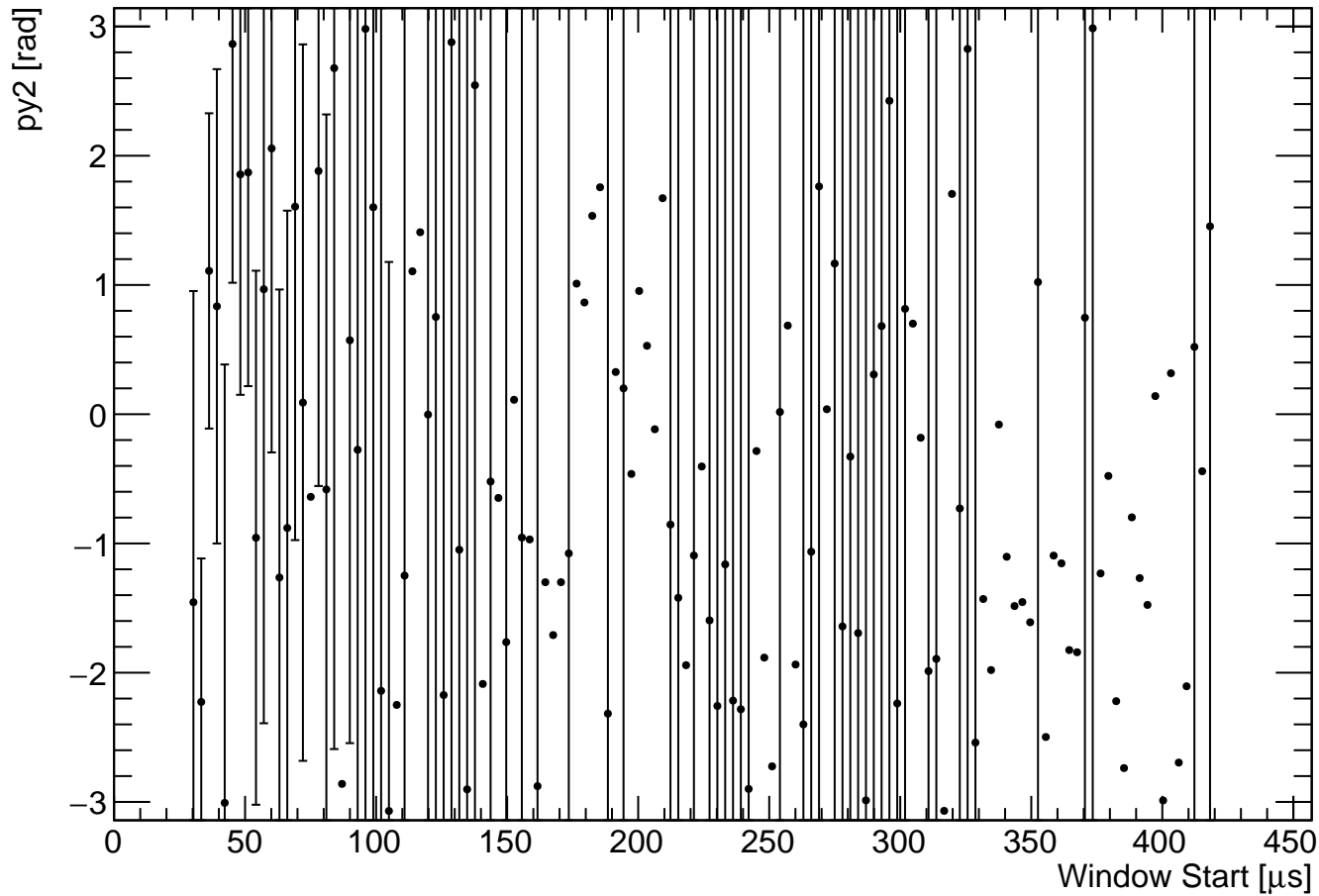
py1



Ay2



py2

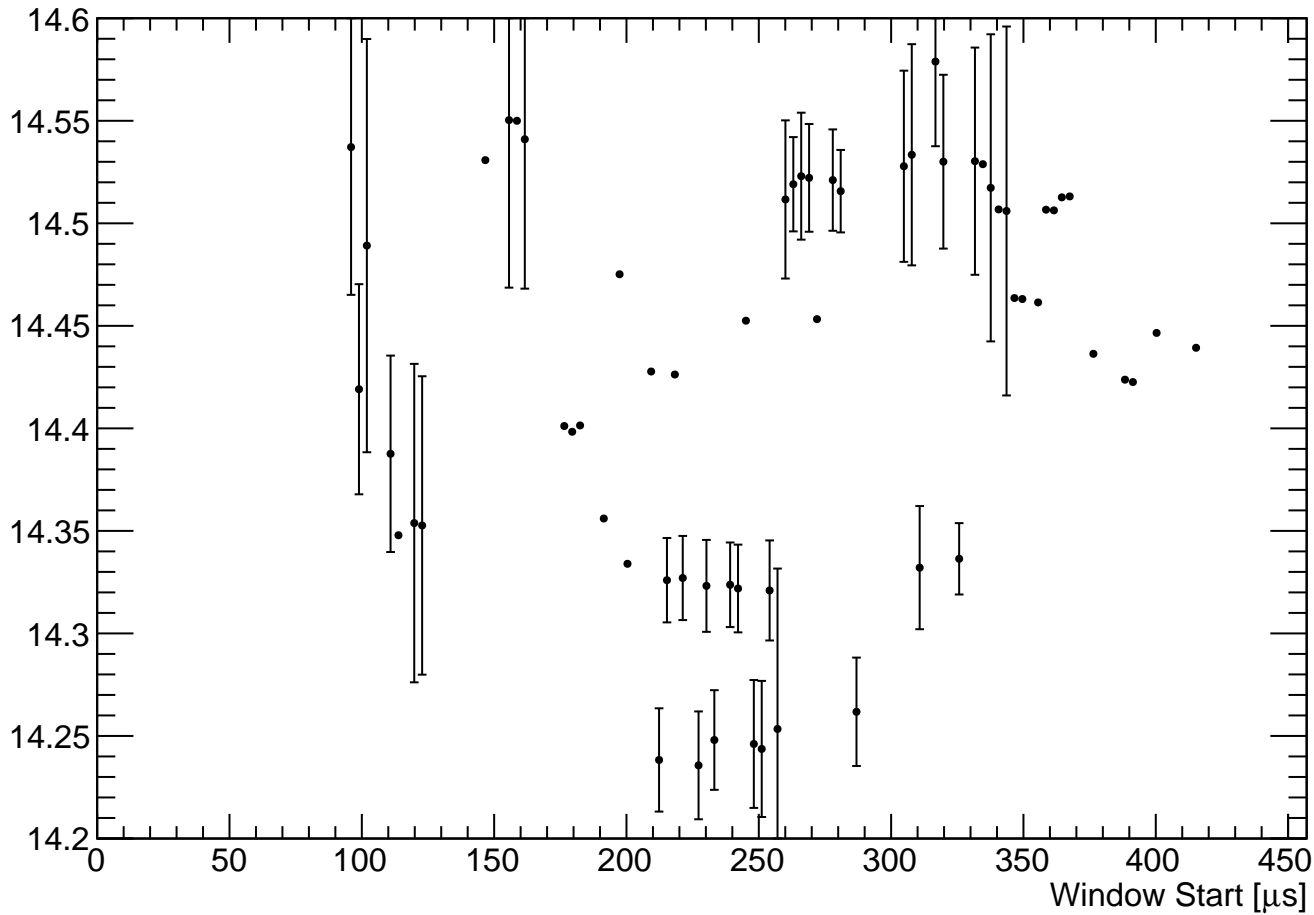


$w_y$

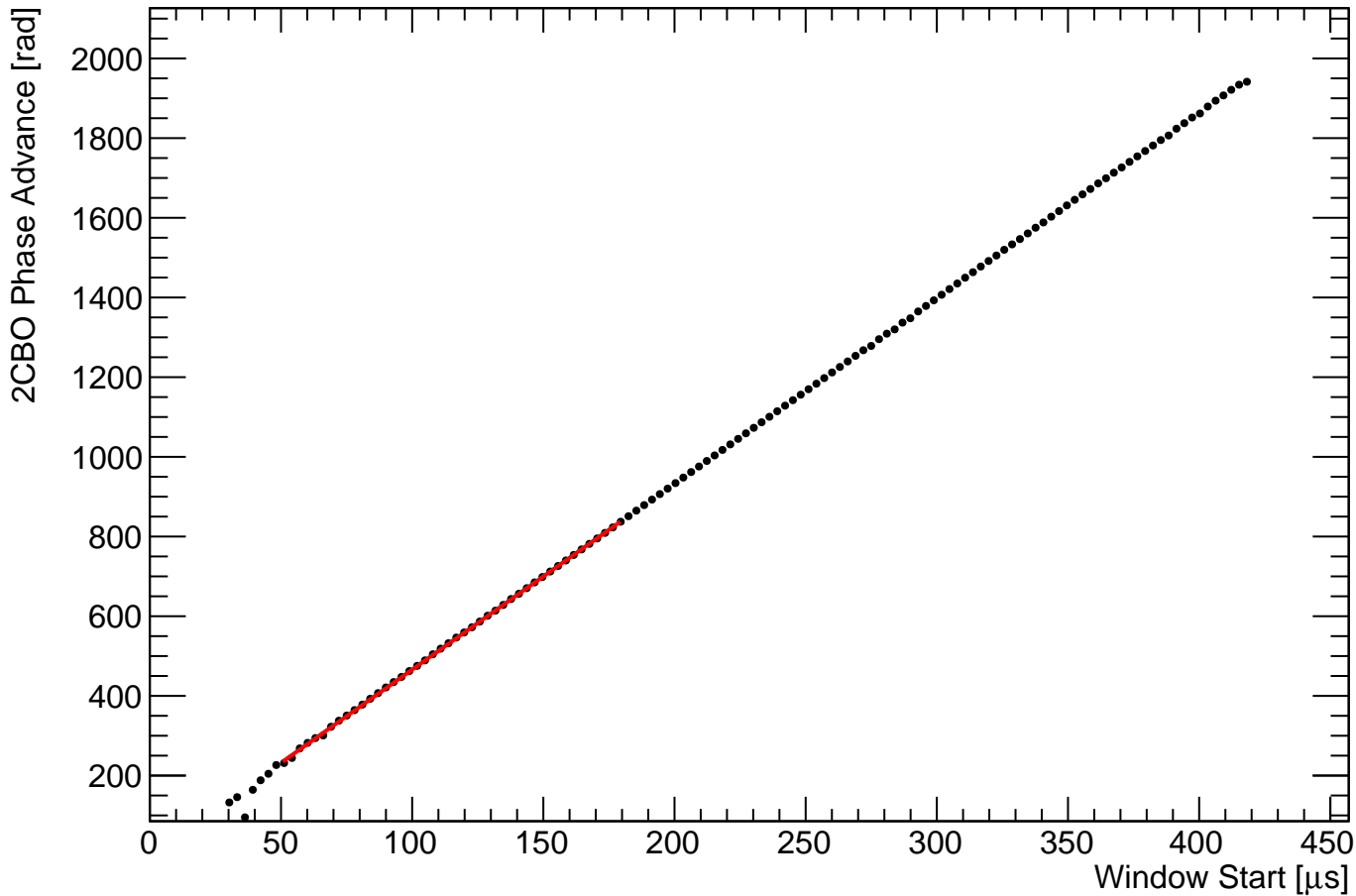


W\_VW

w\_vw [rad/s]

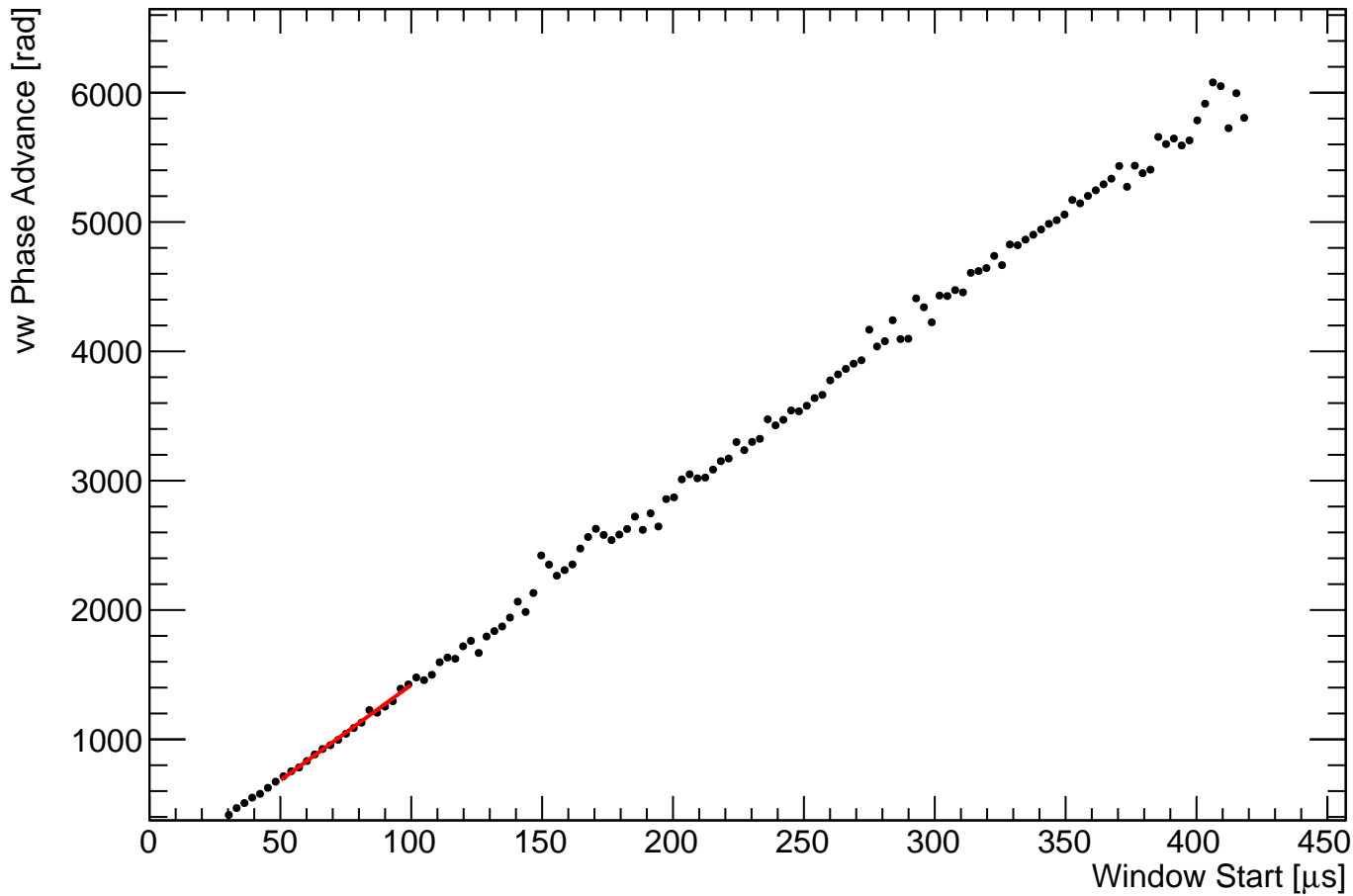


## 2CBO Phase Advance

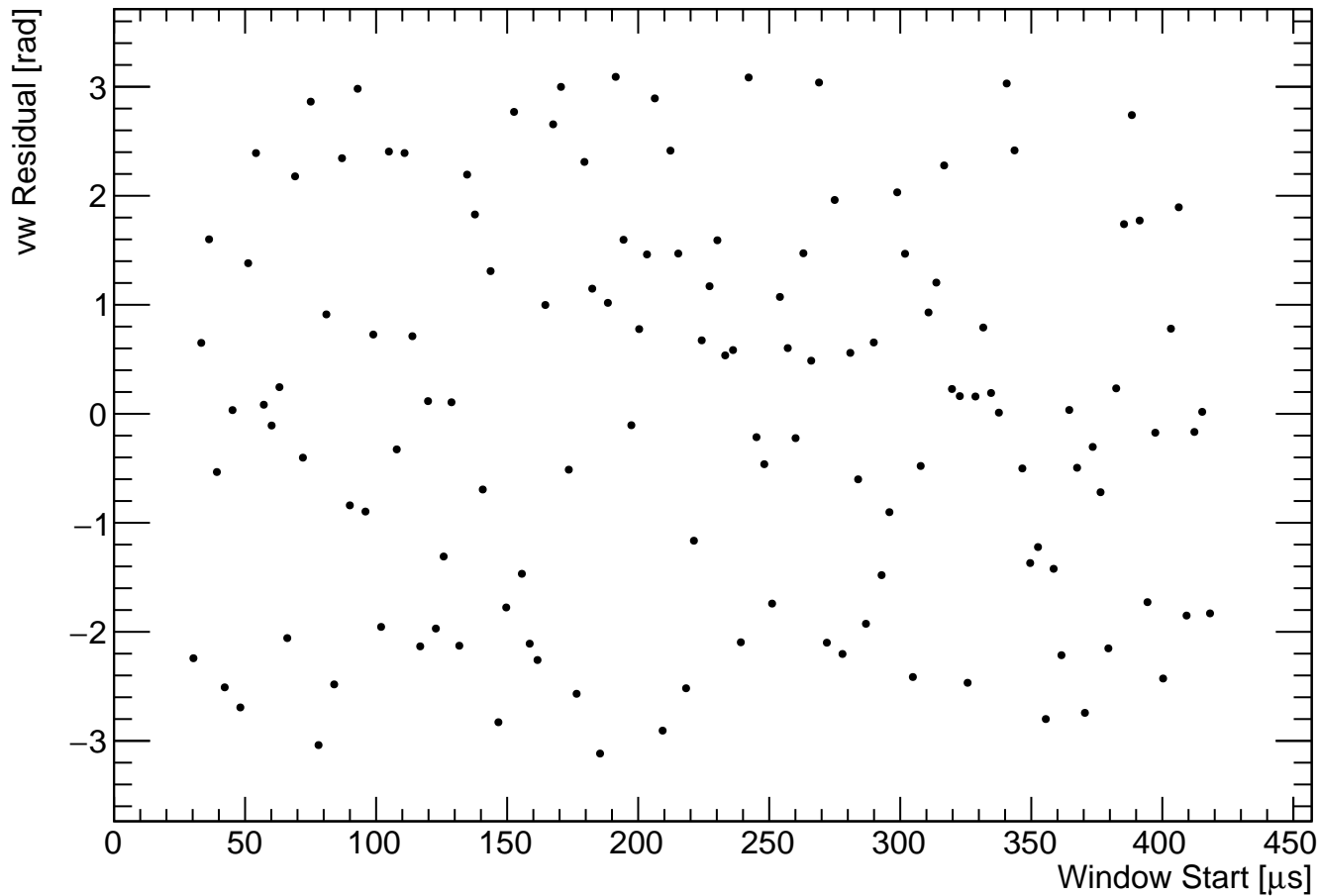




# vw Phase Advance



# vw Phase Advance Residual



# 2CBO Phase Advance Residual

