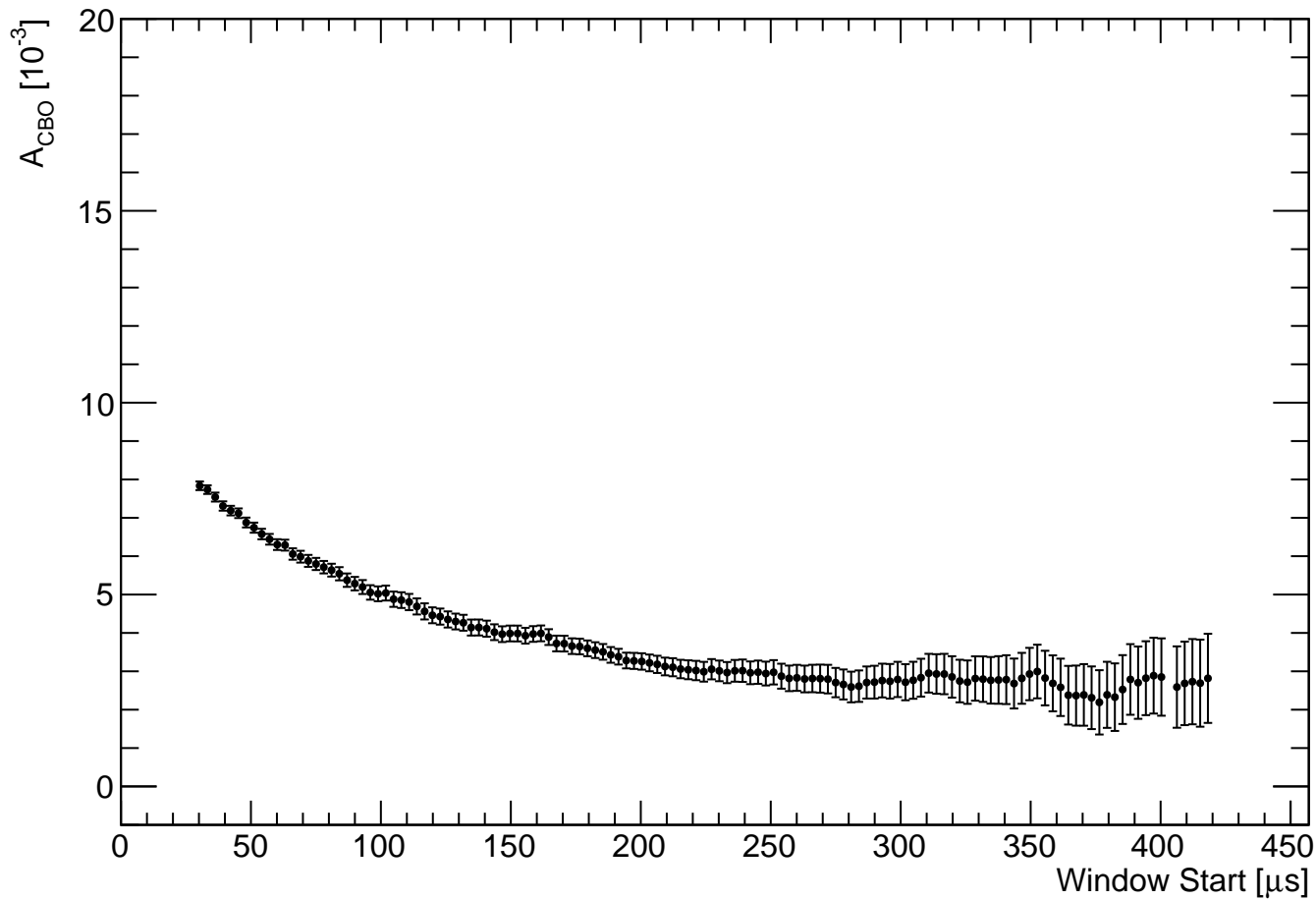
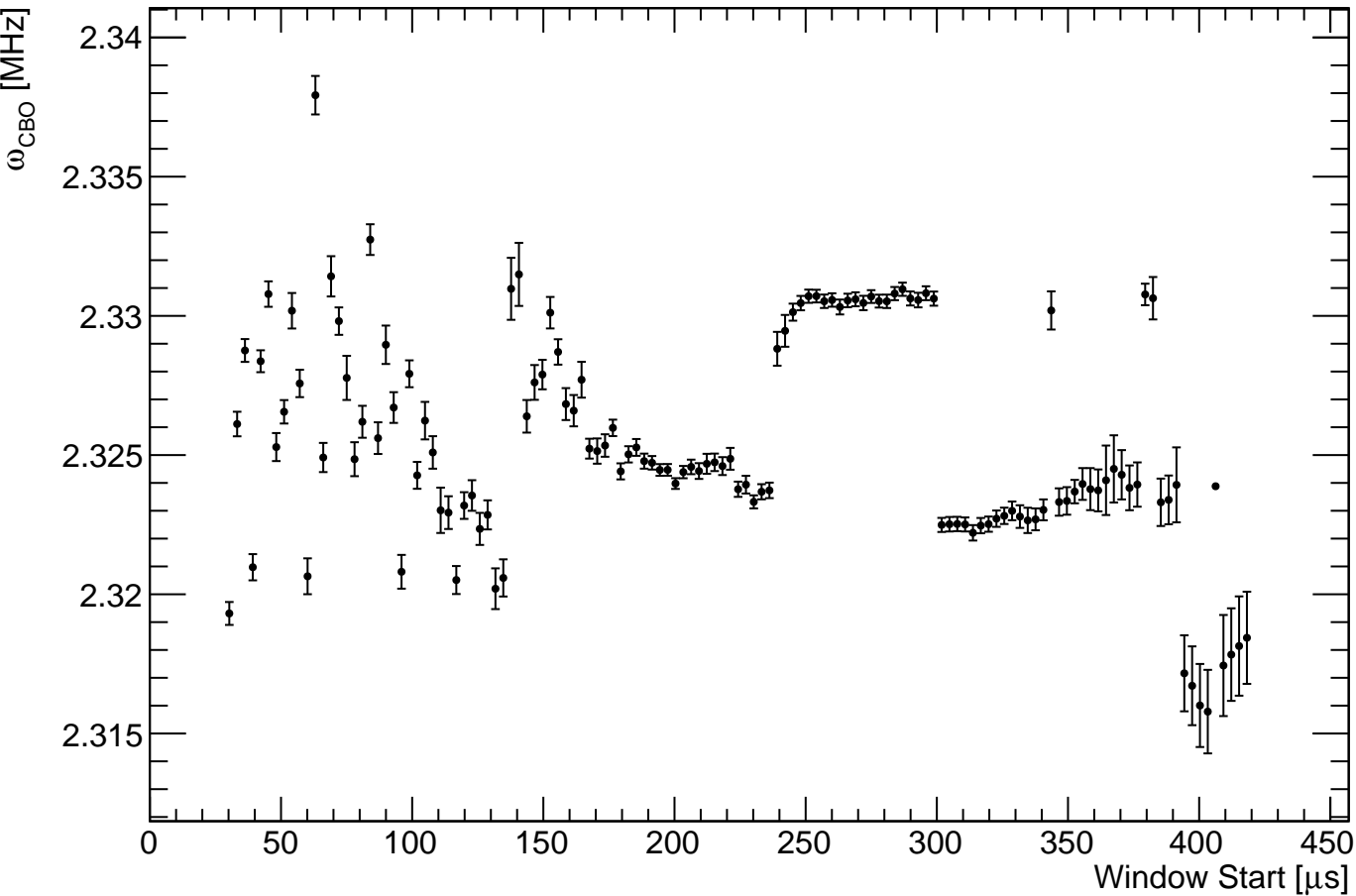


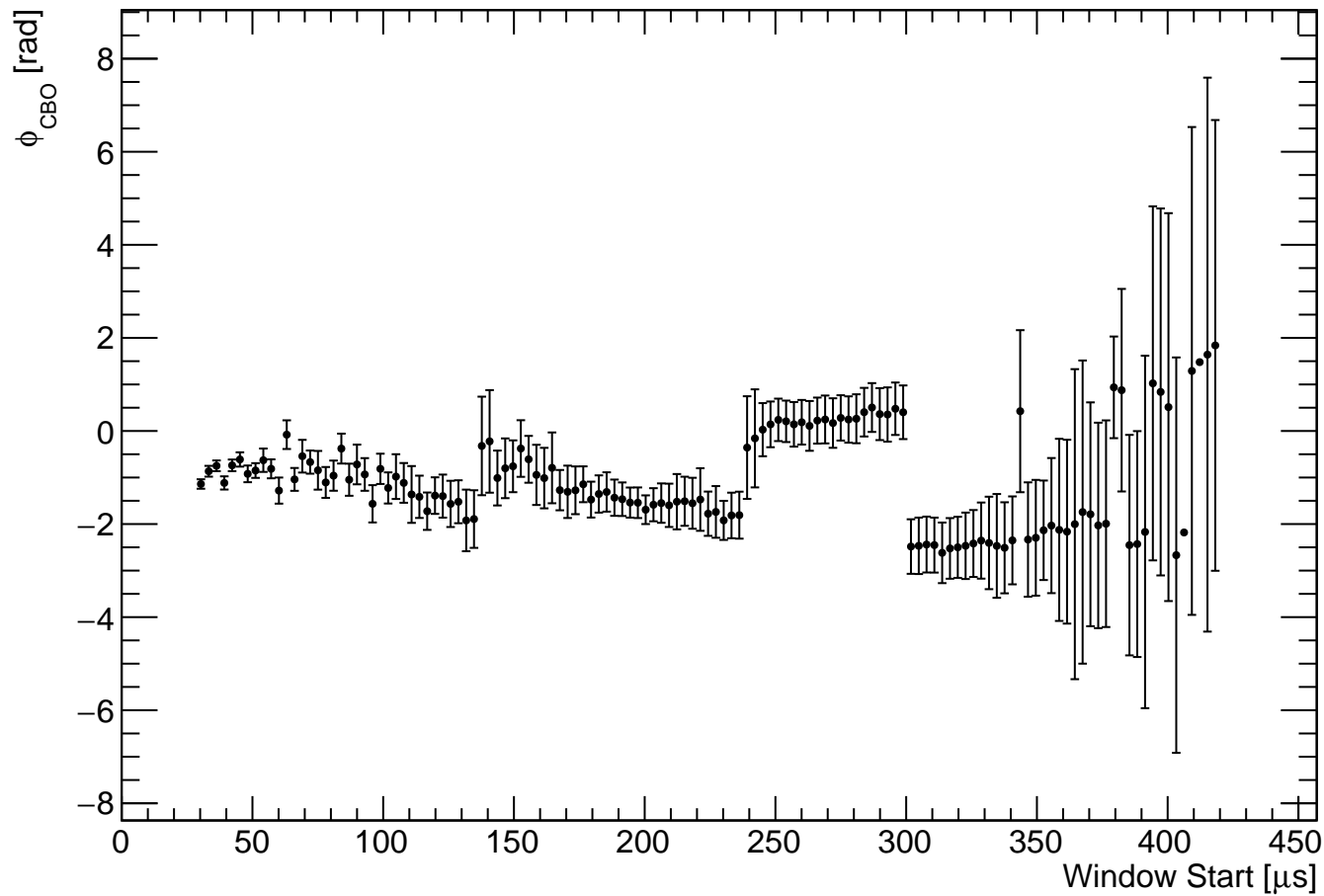
A\_CBO v time



w\_CBO v time



p\_CBO v time

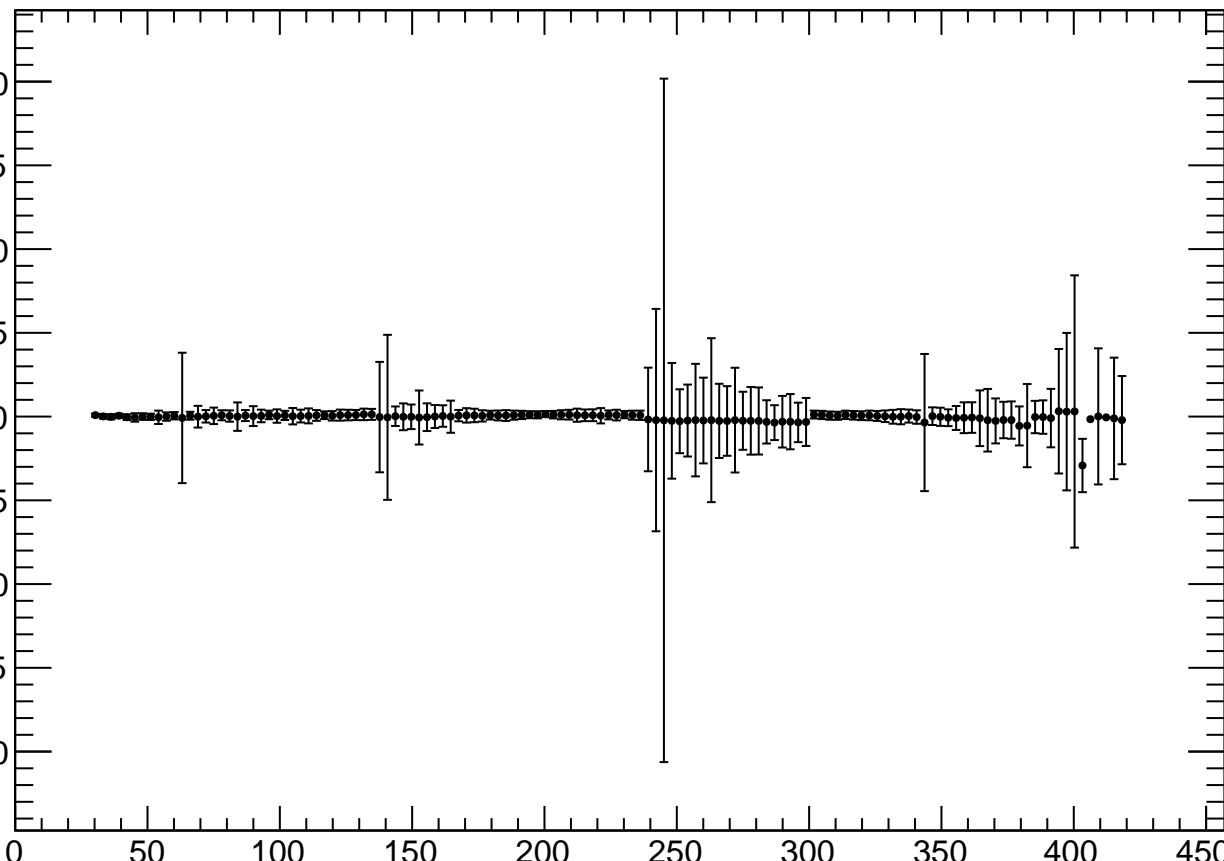


$$(\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{window}} - (\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{full}}$$

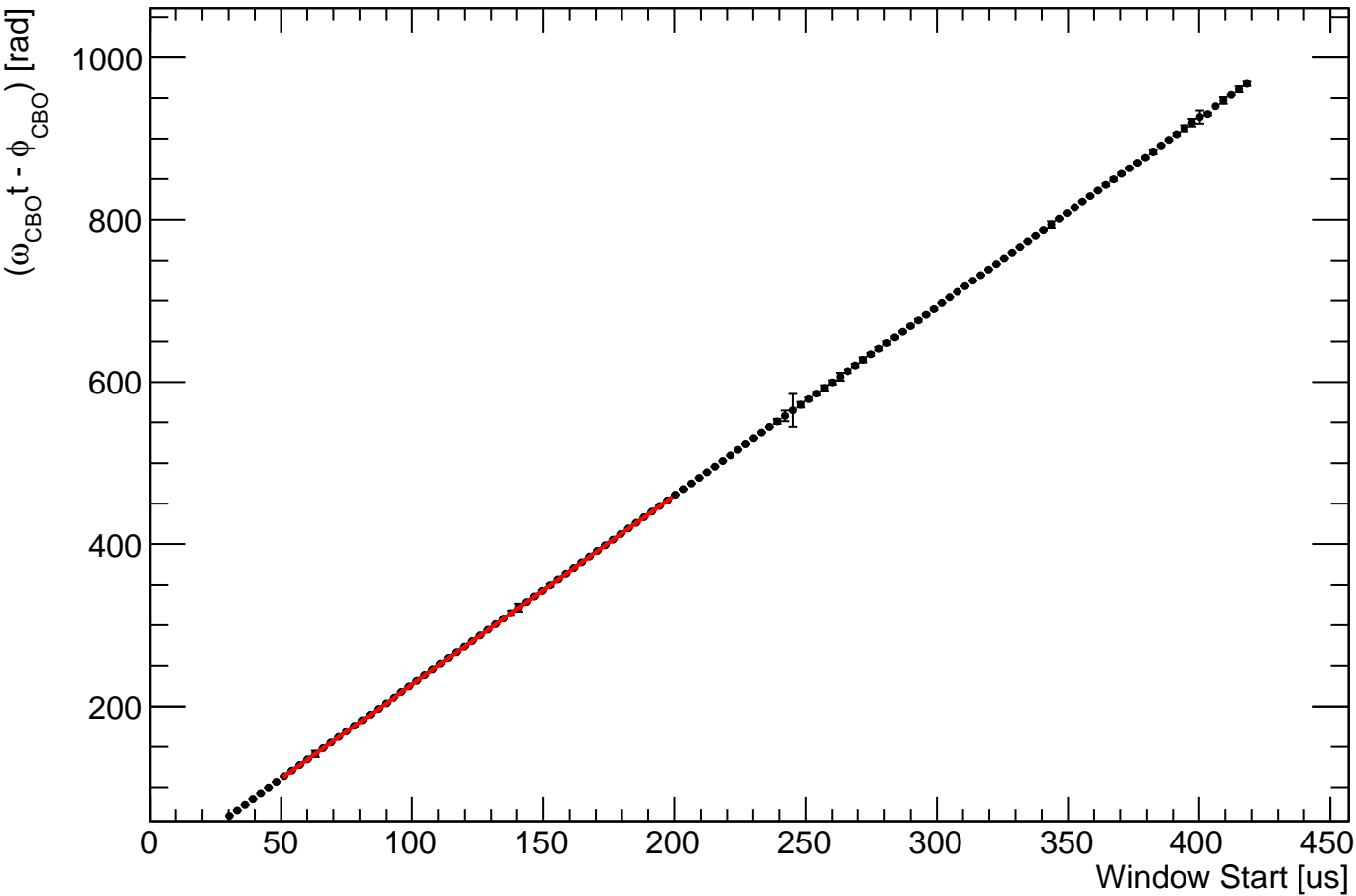
CBO Phase Residual [rad]

20  
15  
10  
5  
0  
-5  
-10  
-15  
-20

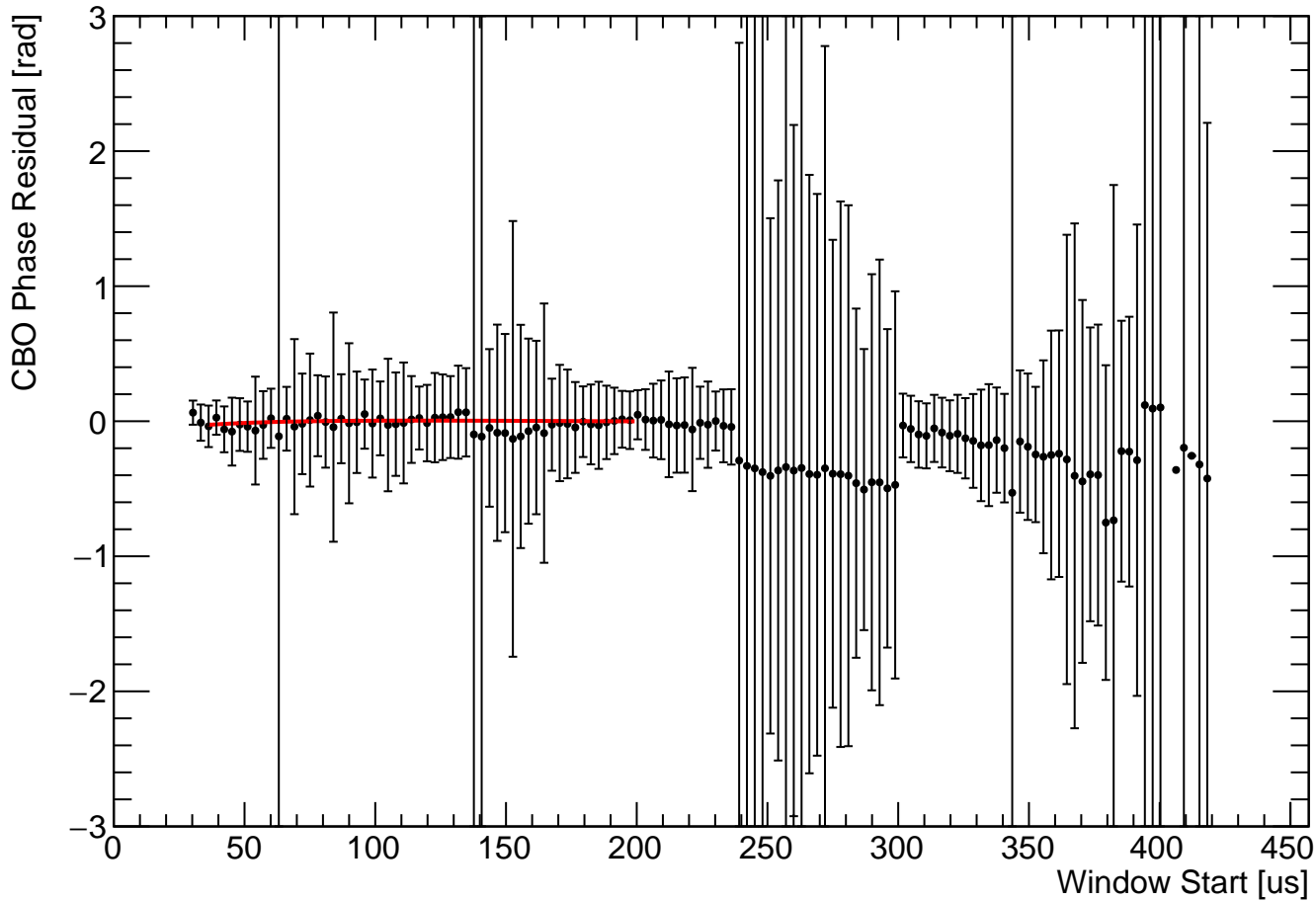
Window Start [ $\mu\text{s}$ ]



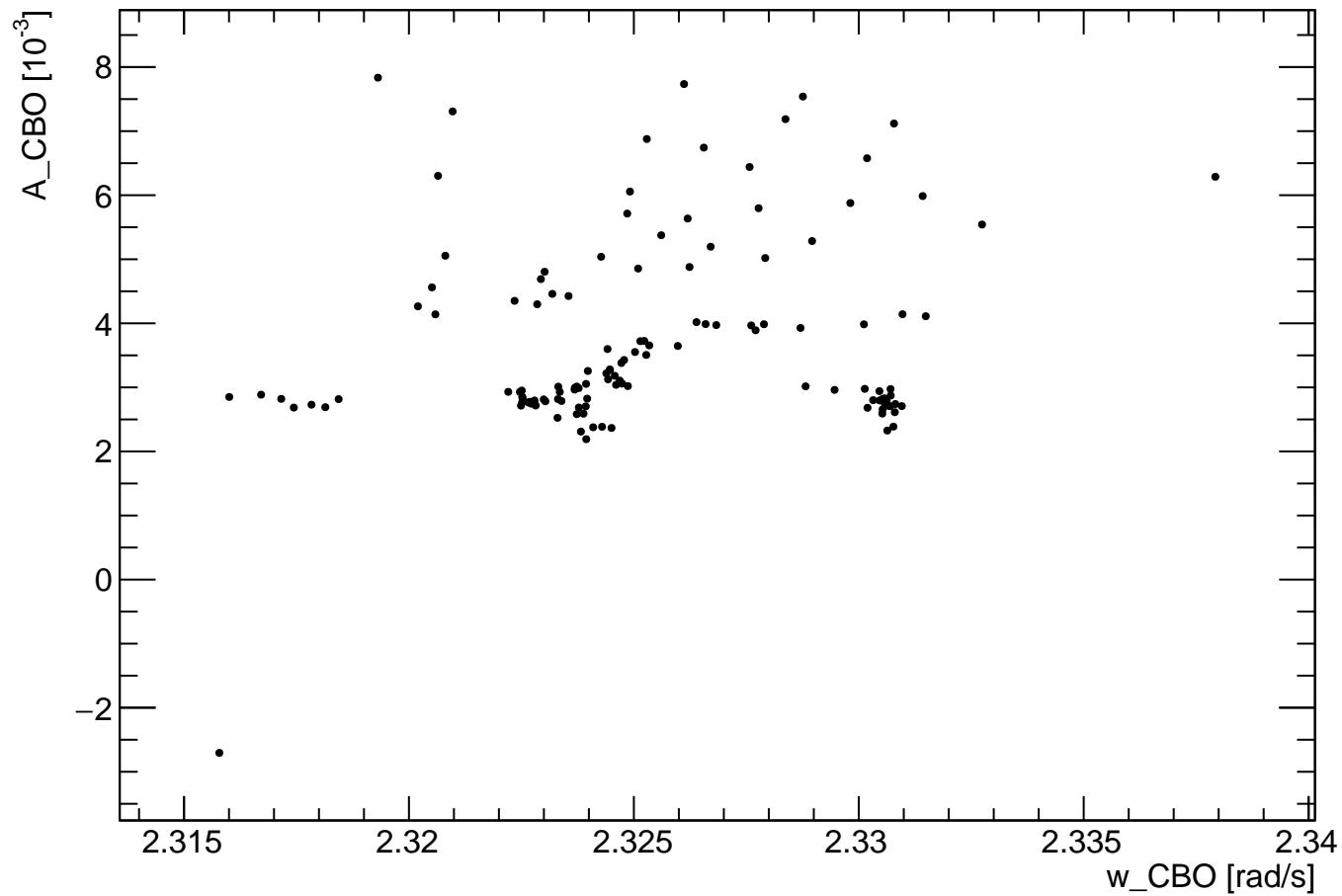
# CBO Phase Advance from Sliding Windows



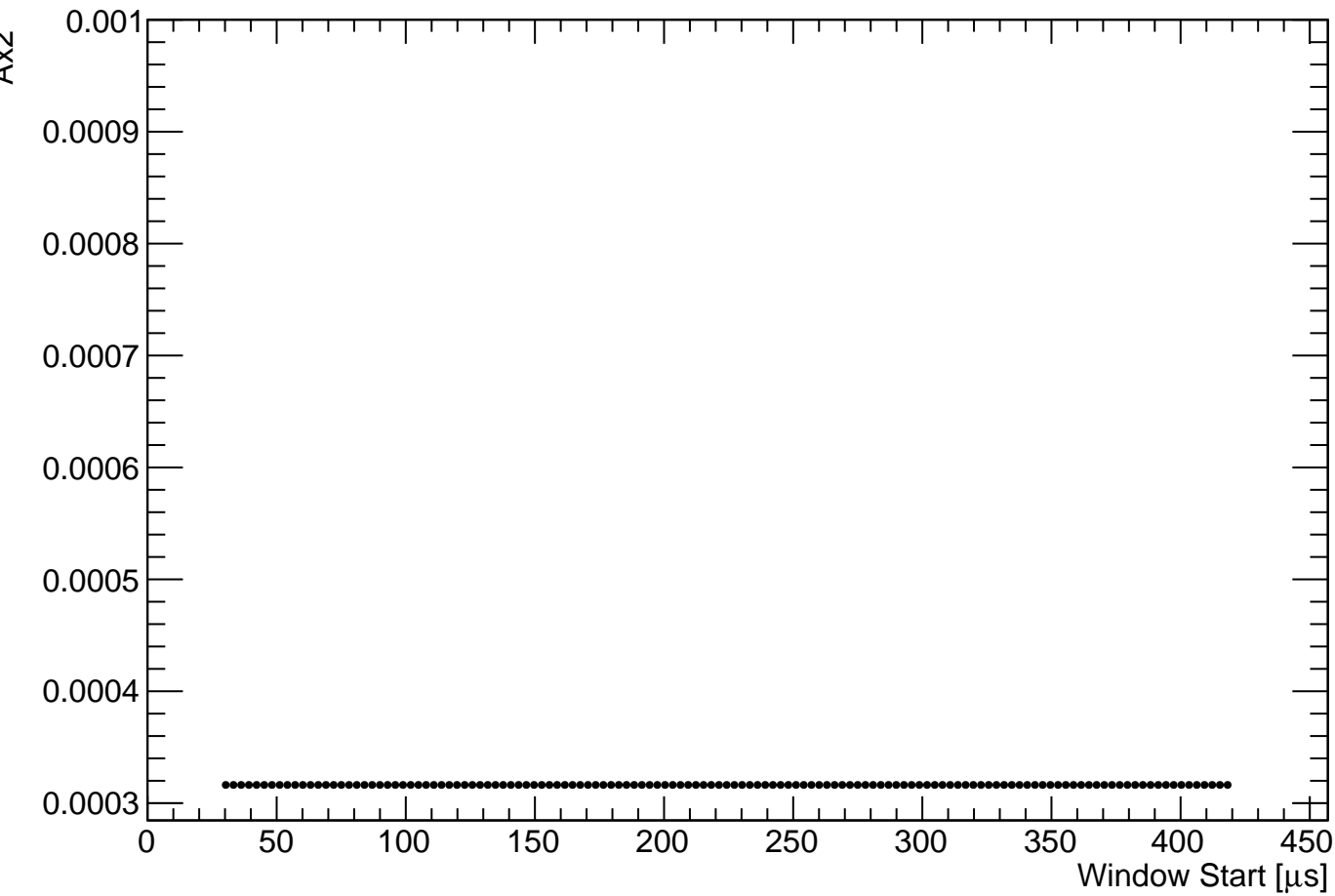
$$(\omega_{\text{CBO}} t - \phi_{\text{CBO}})_{\text{window}} - (\omega_0 t - \phi_0)_{\text{late}}$$



w\_CBO vs A\_CBO

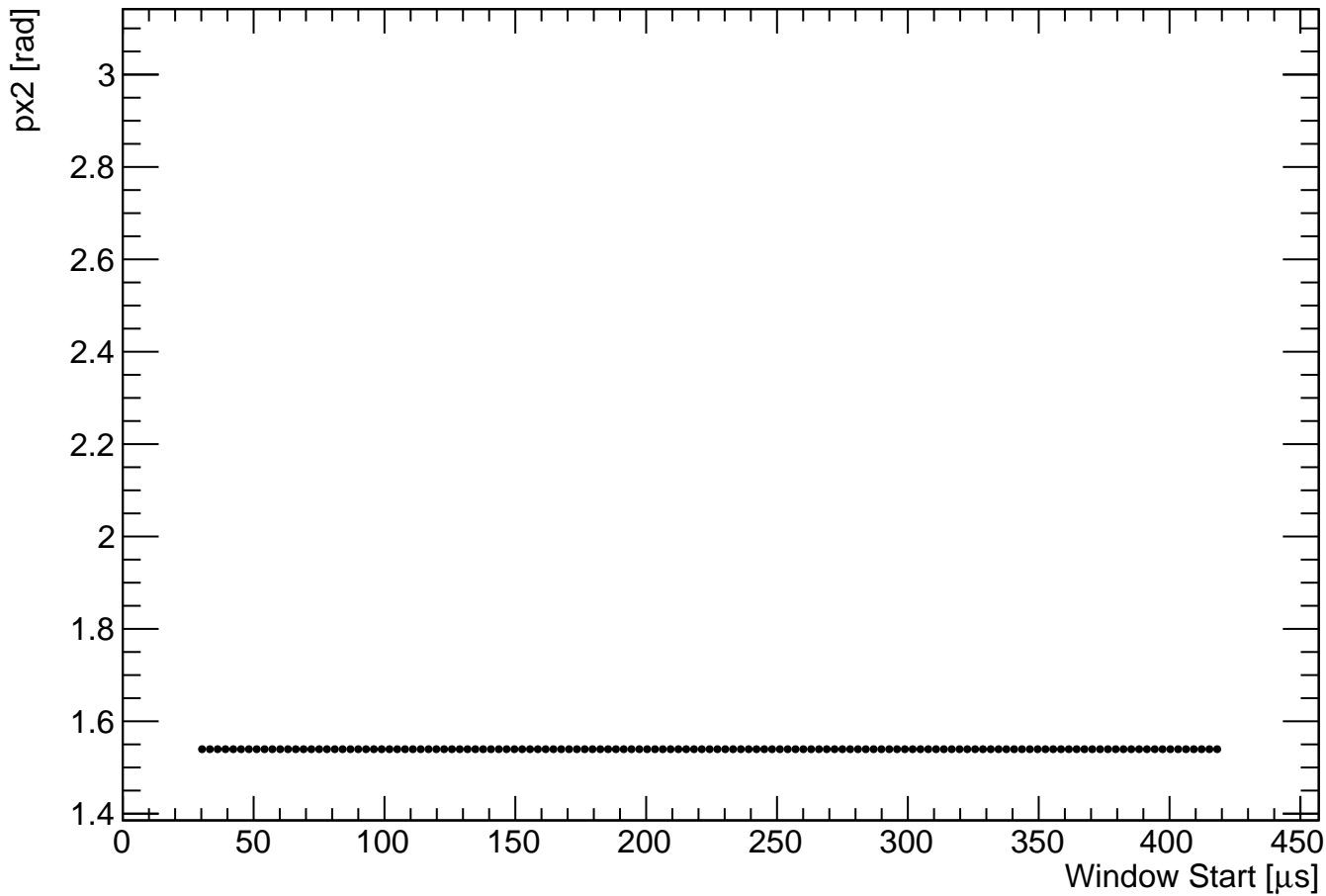


Ax2





px2



Ay1



py1



Ay2



py2



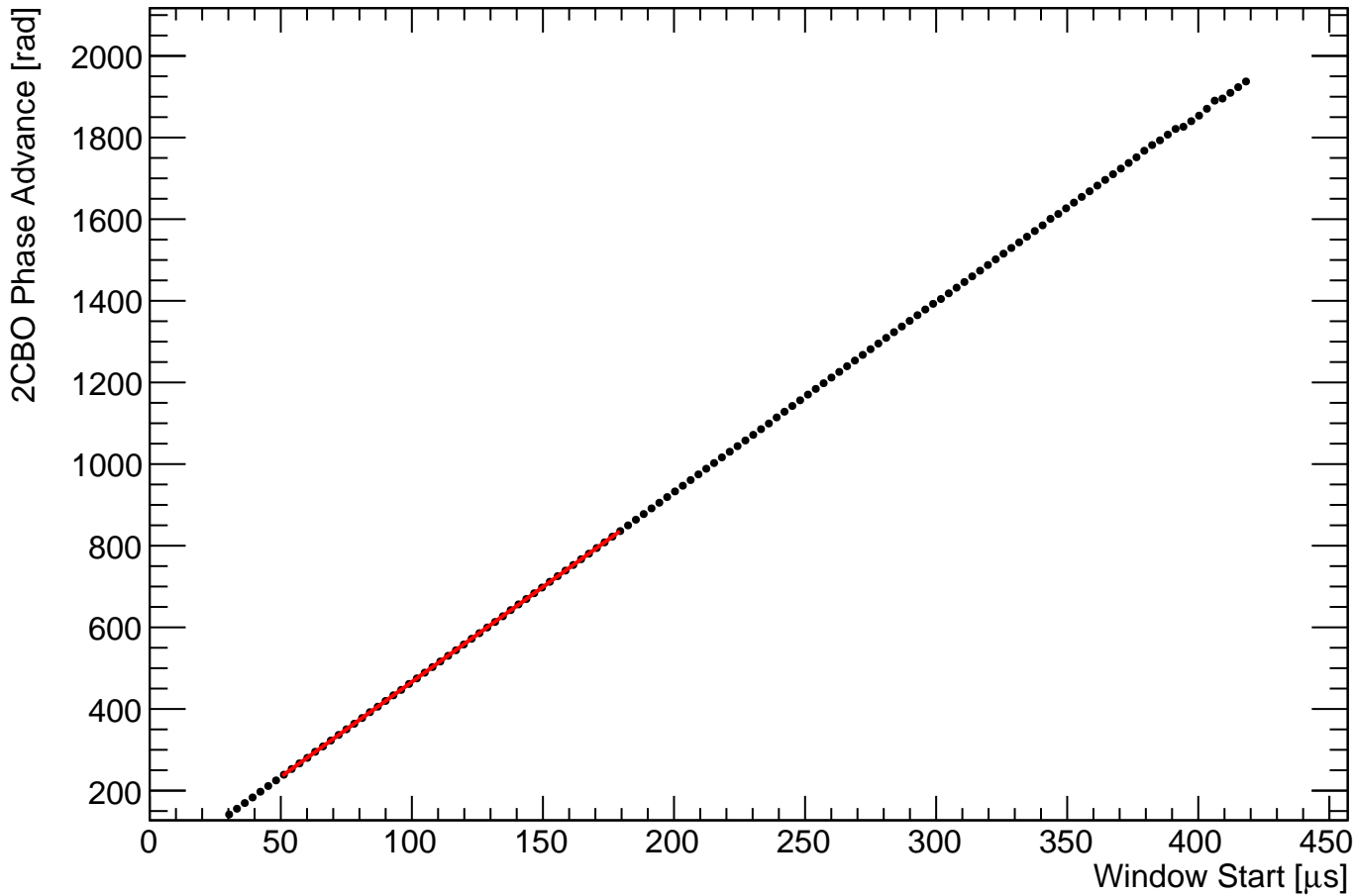
$w_y$



W\_VW



## 2CBO Phase Advance





# vw Phase Advance



# vw Phase Advance Residual



# 2CBO Phase Advance Residual

