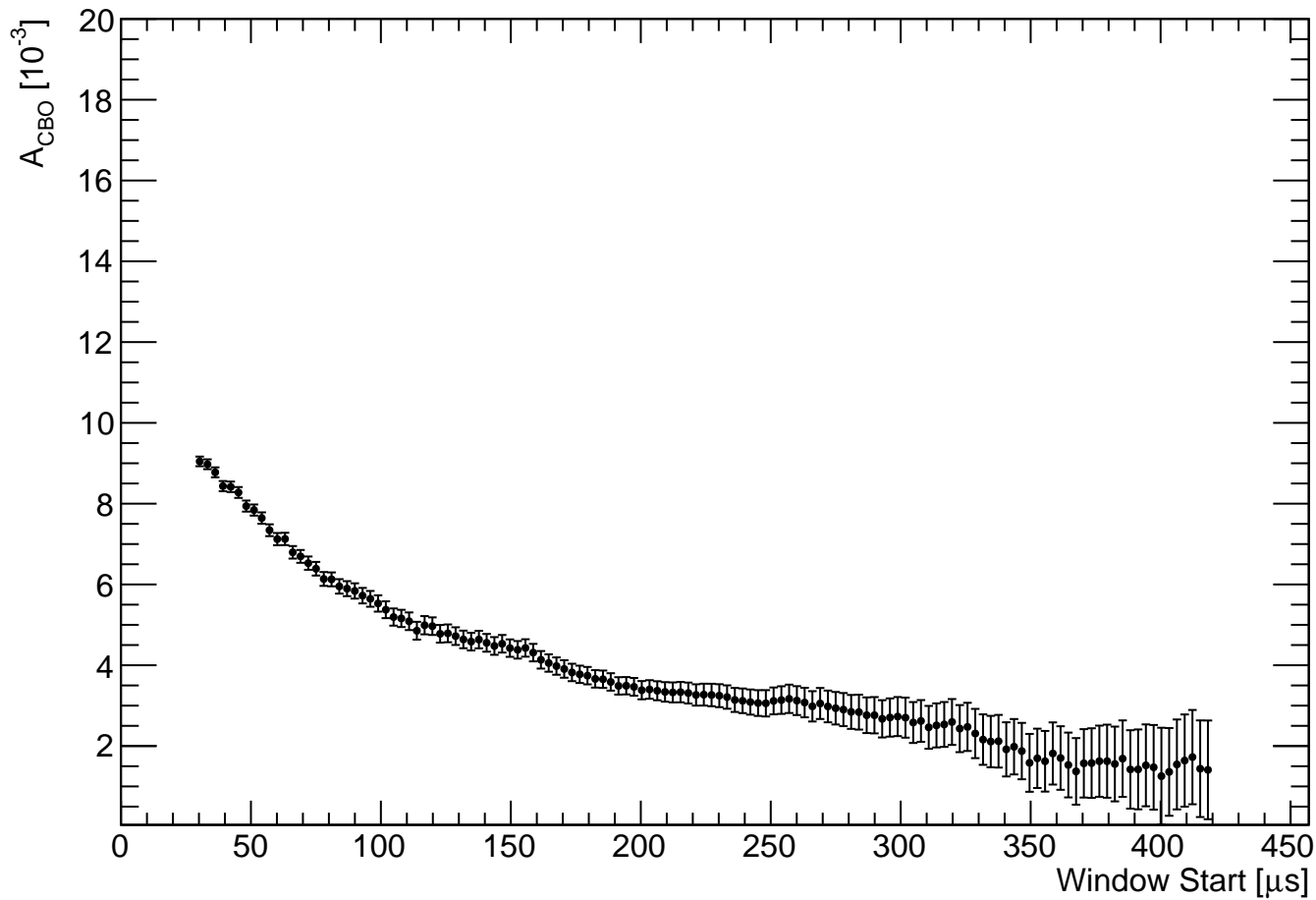
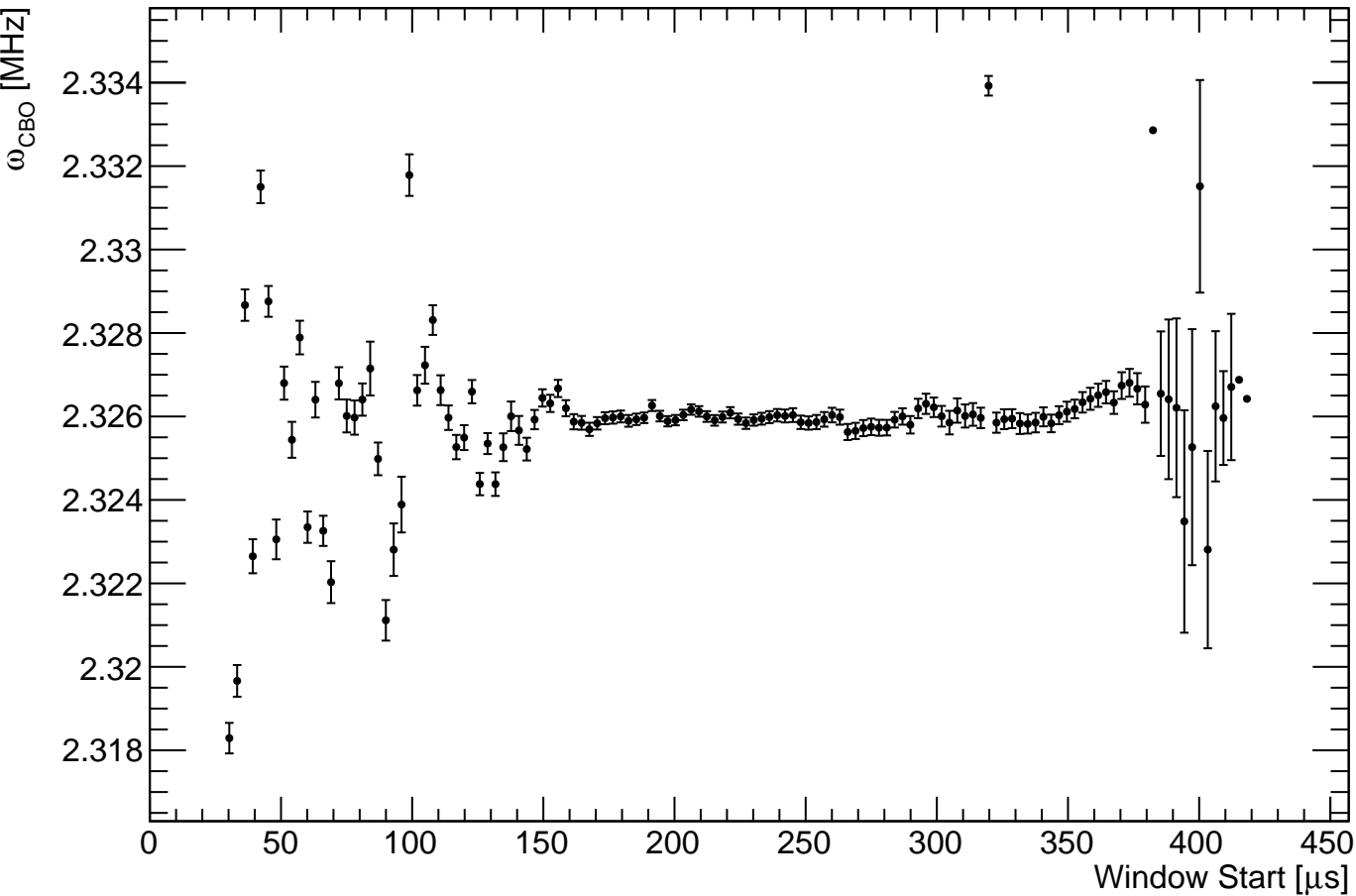


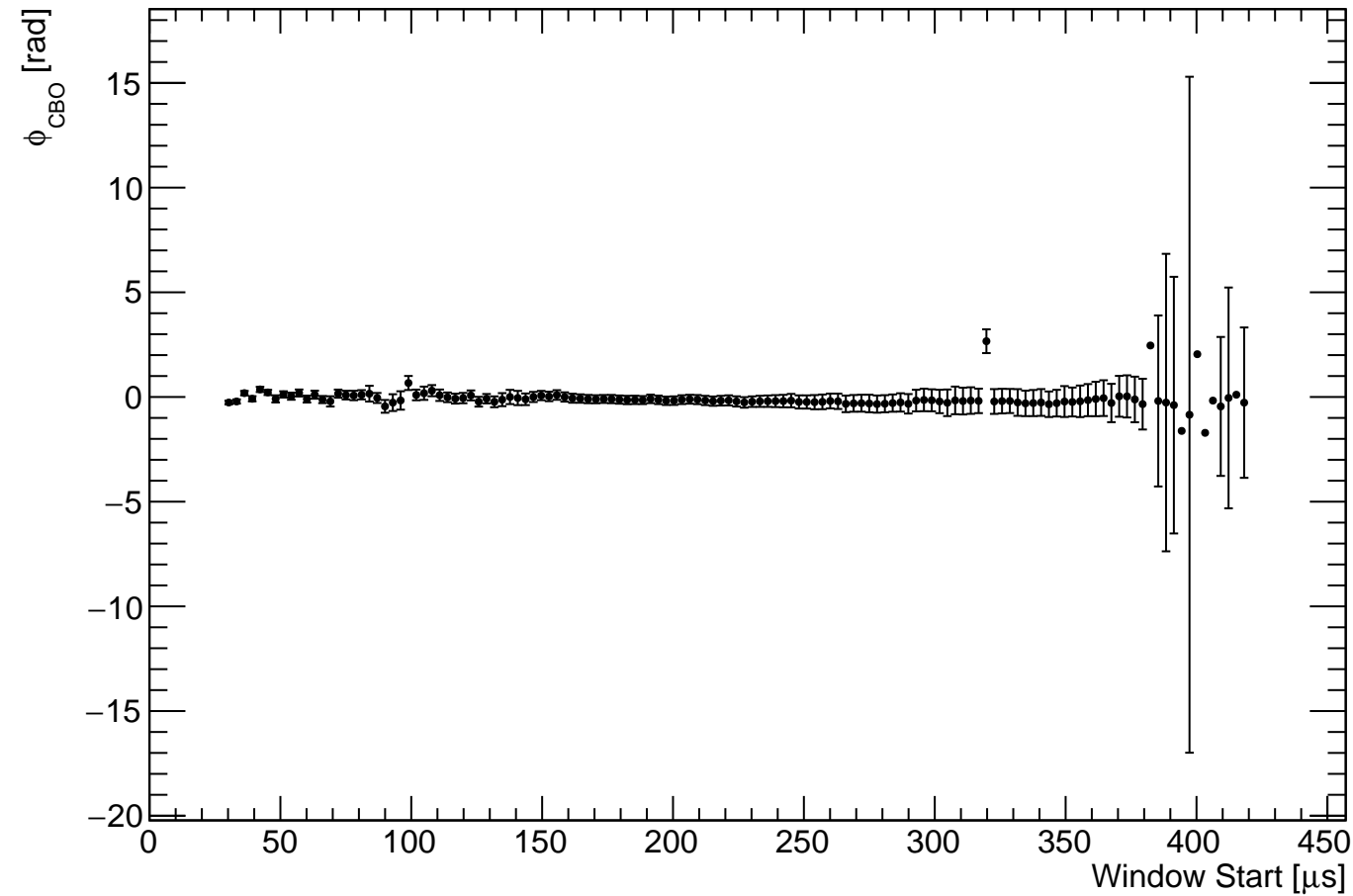
A\_CBO v time



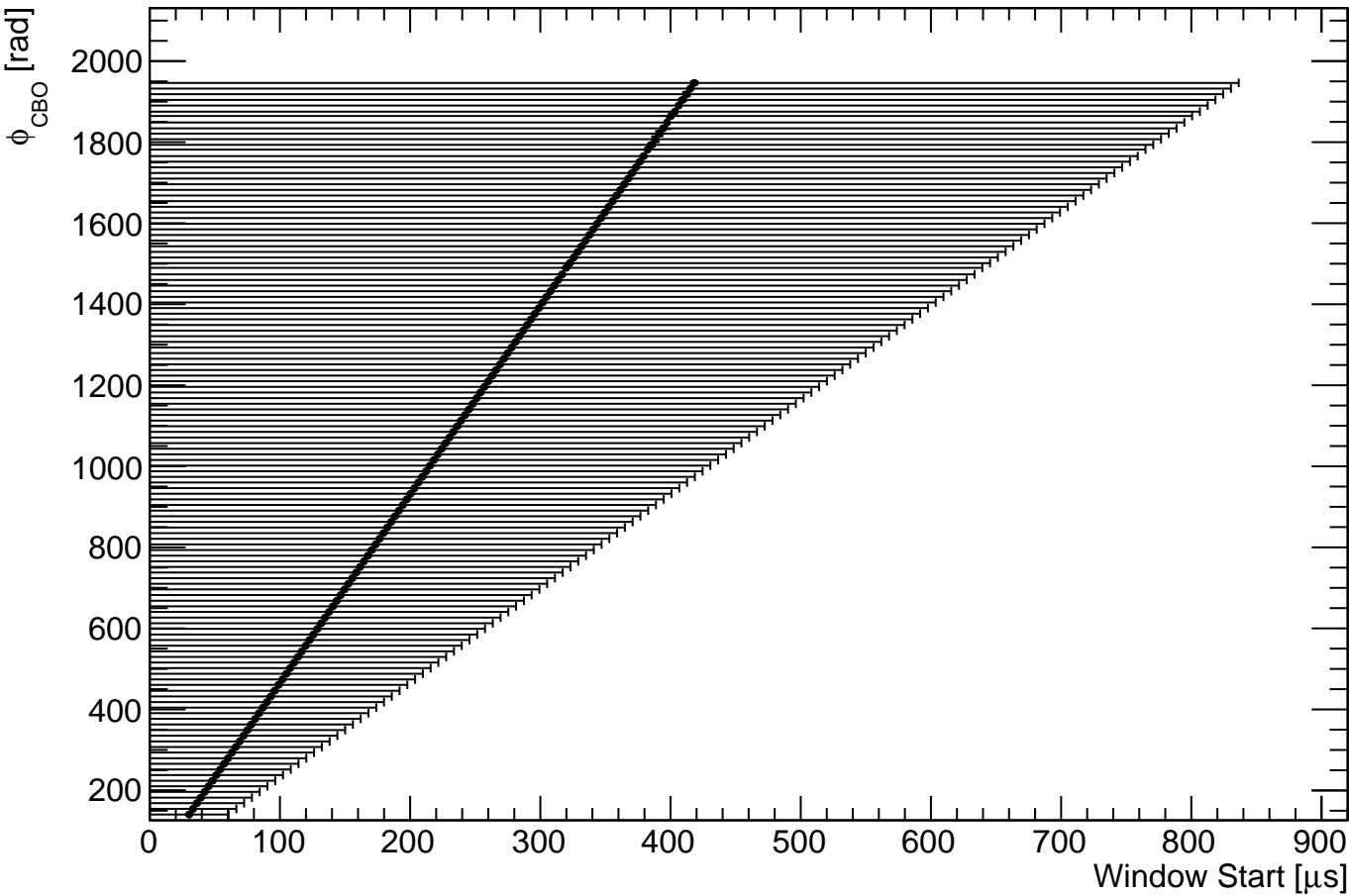
w\_CBO v time

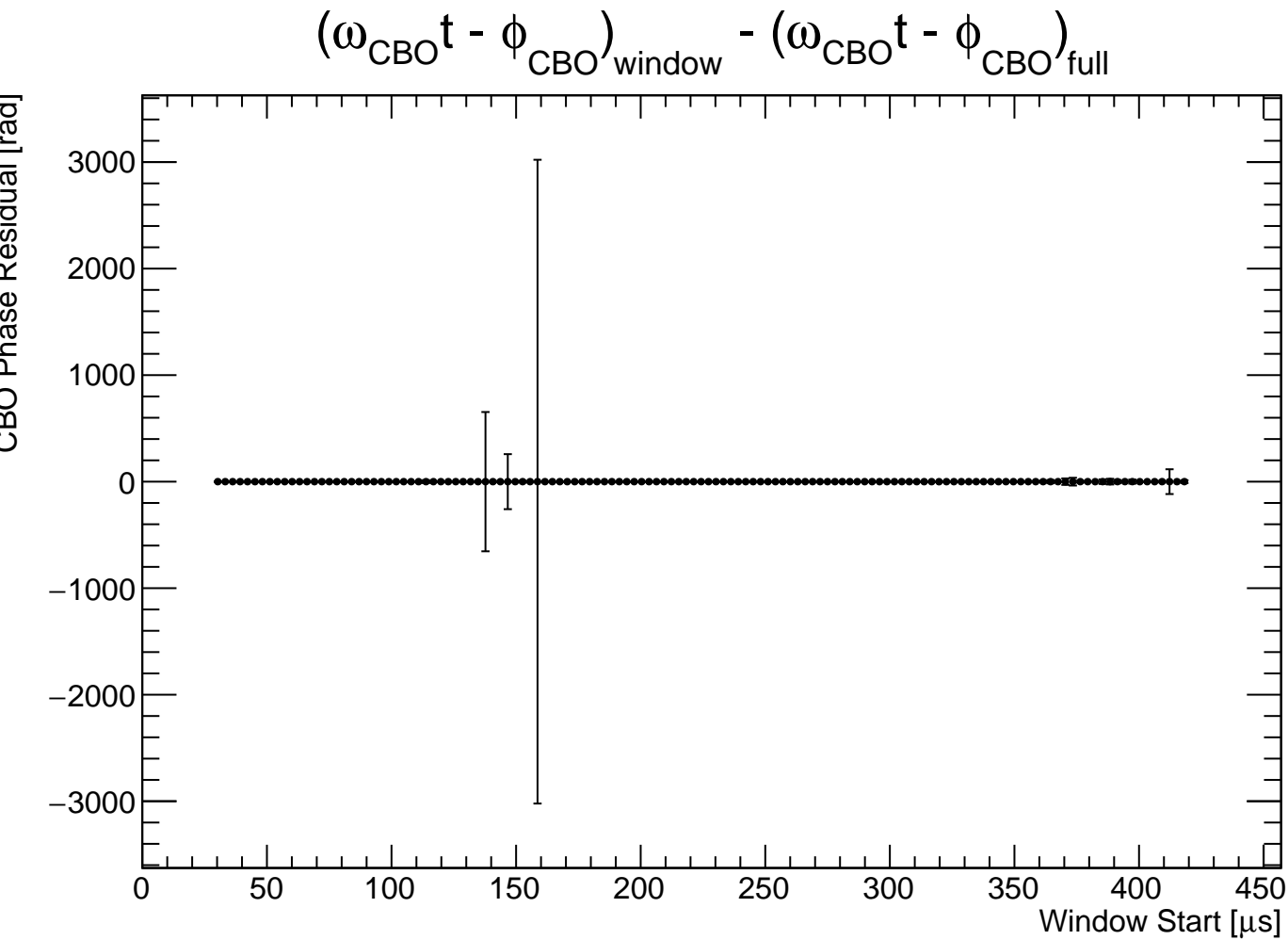


p\_CBO v time

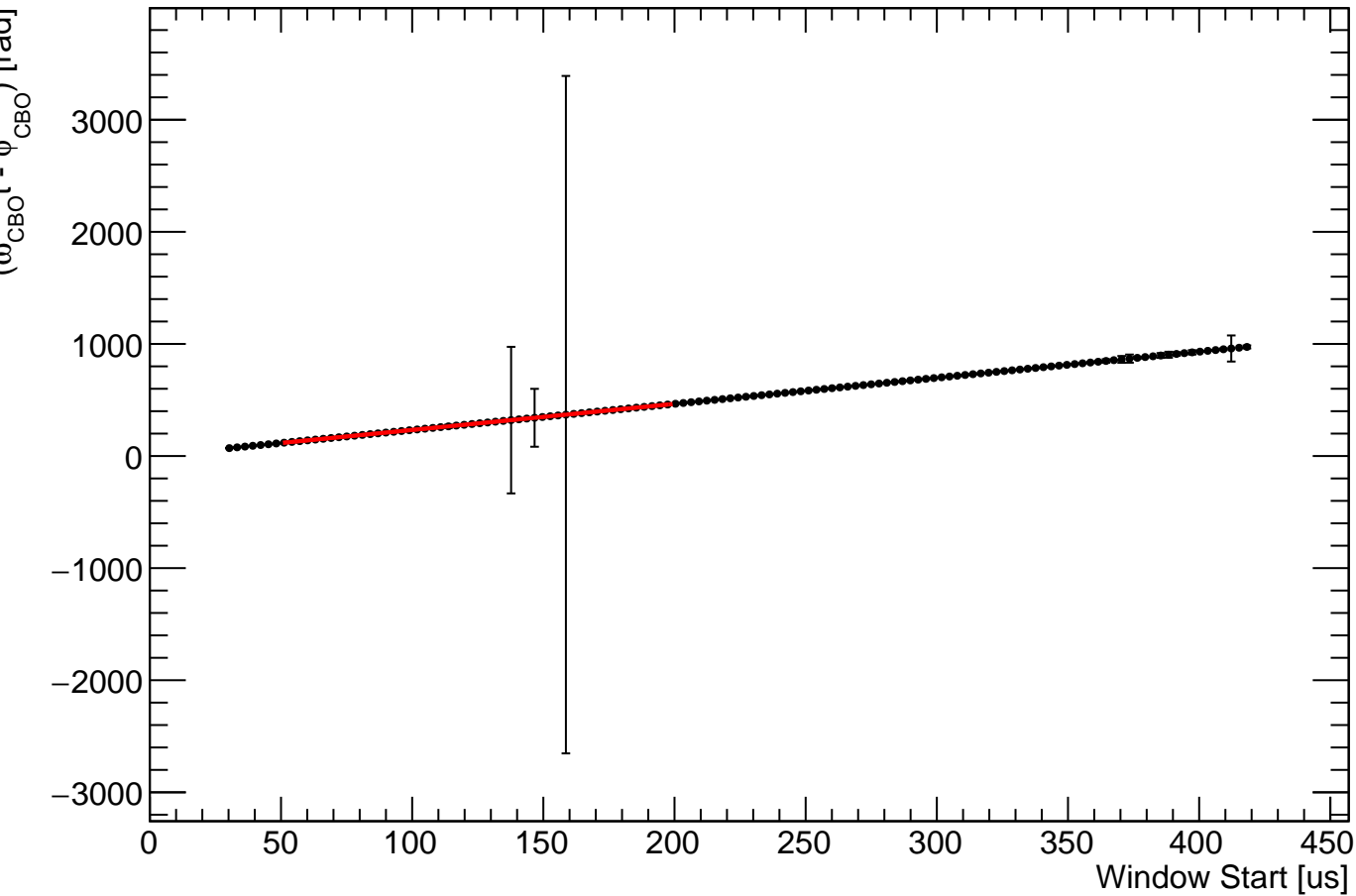


p\_CBO at window start

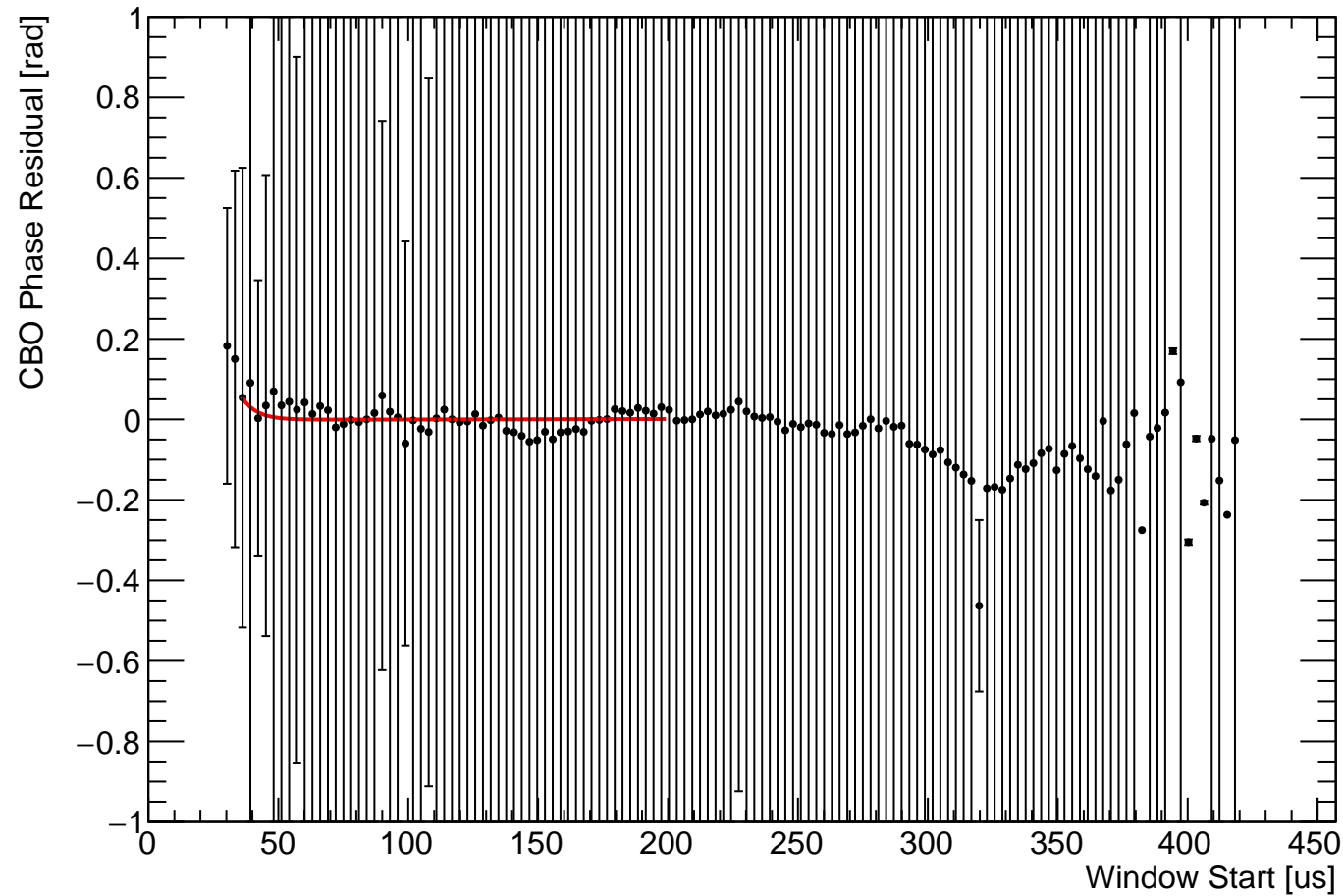




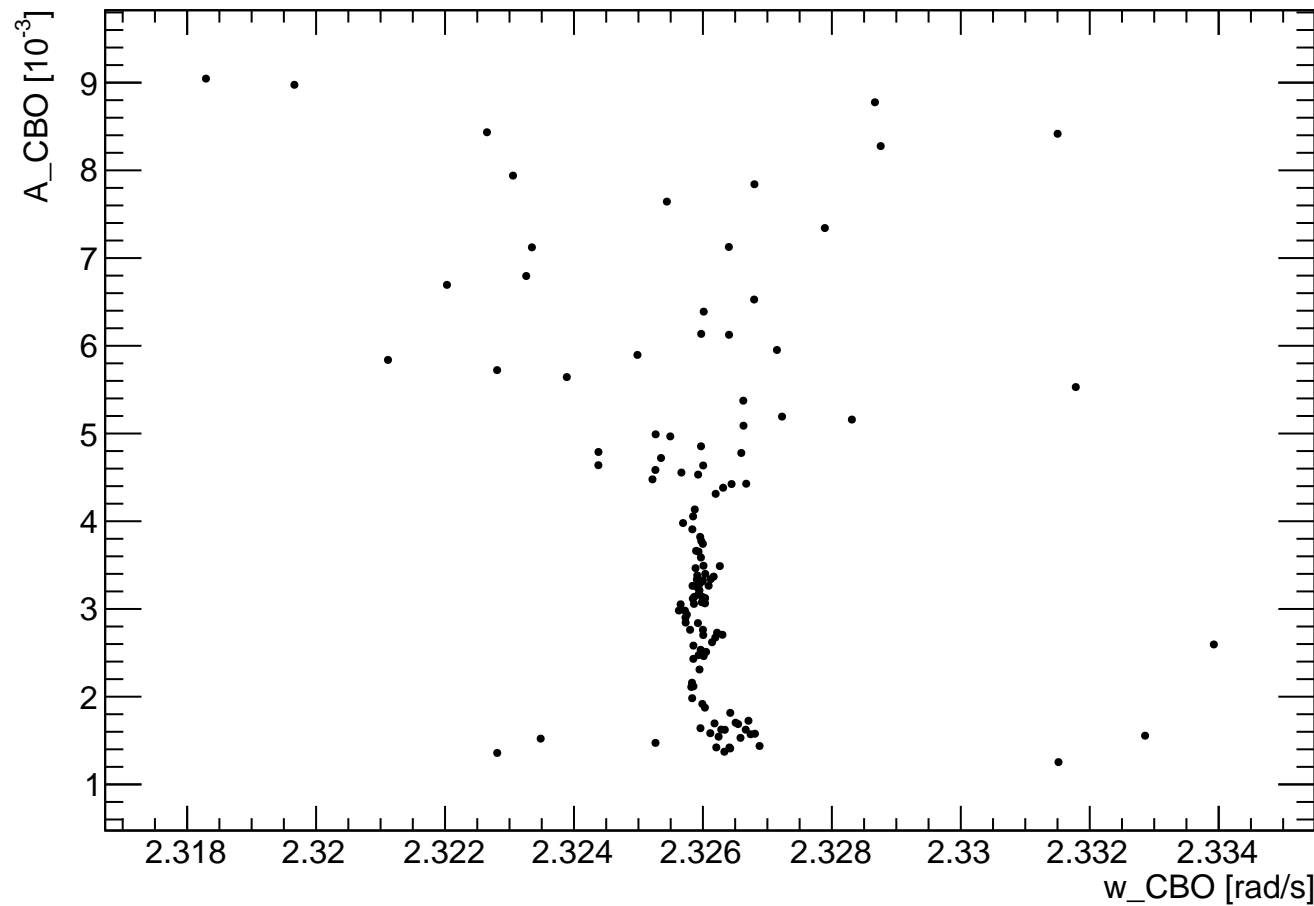
# CBO Phase Advance from Sliding Windows



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



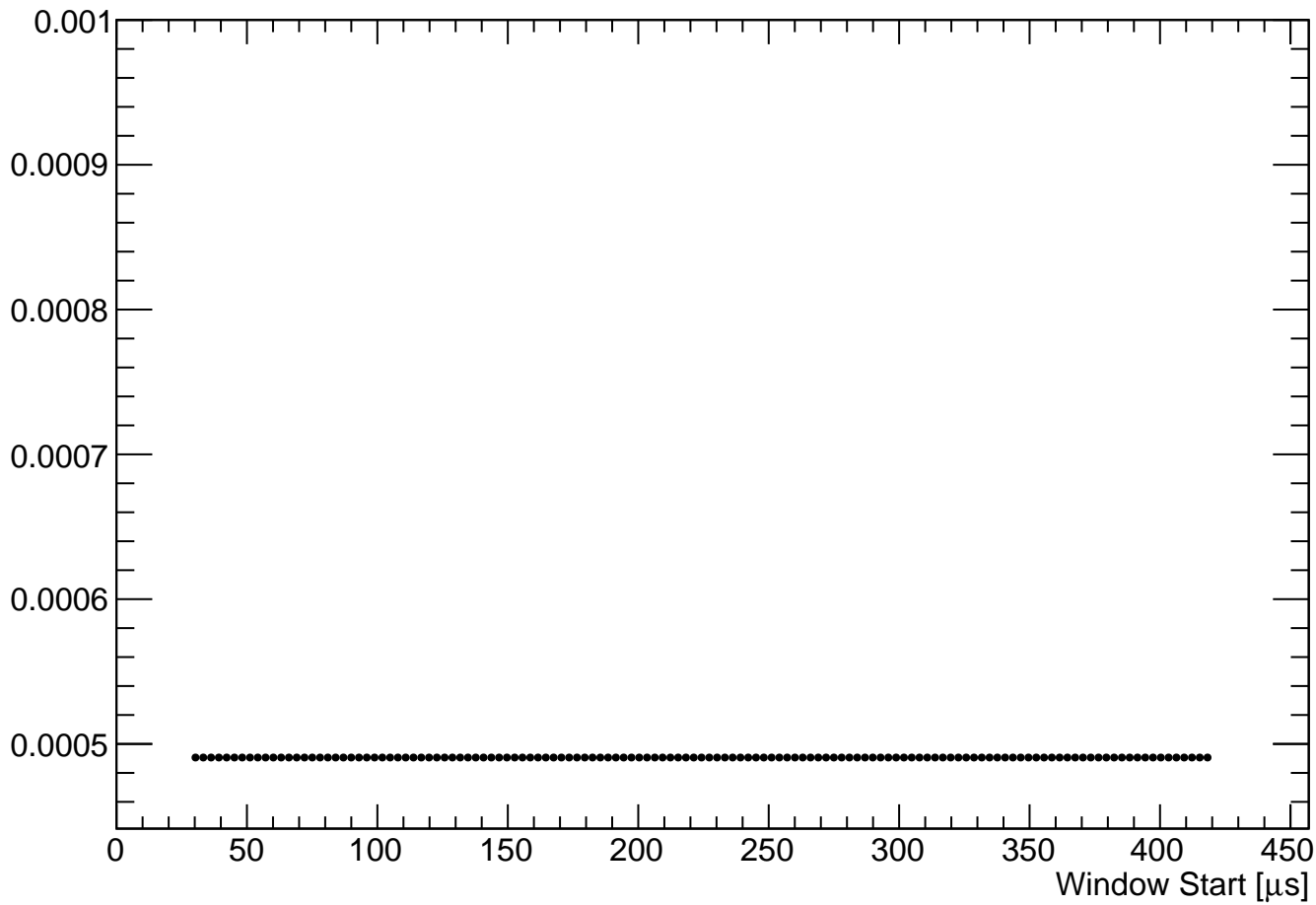
w\_CBO vs A\_CBO



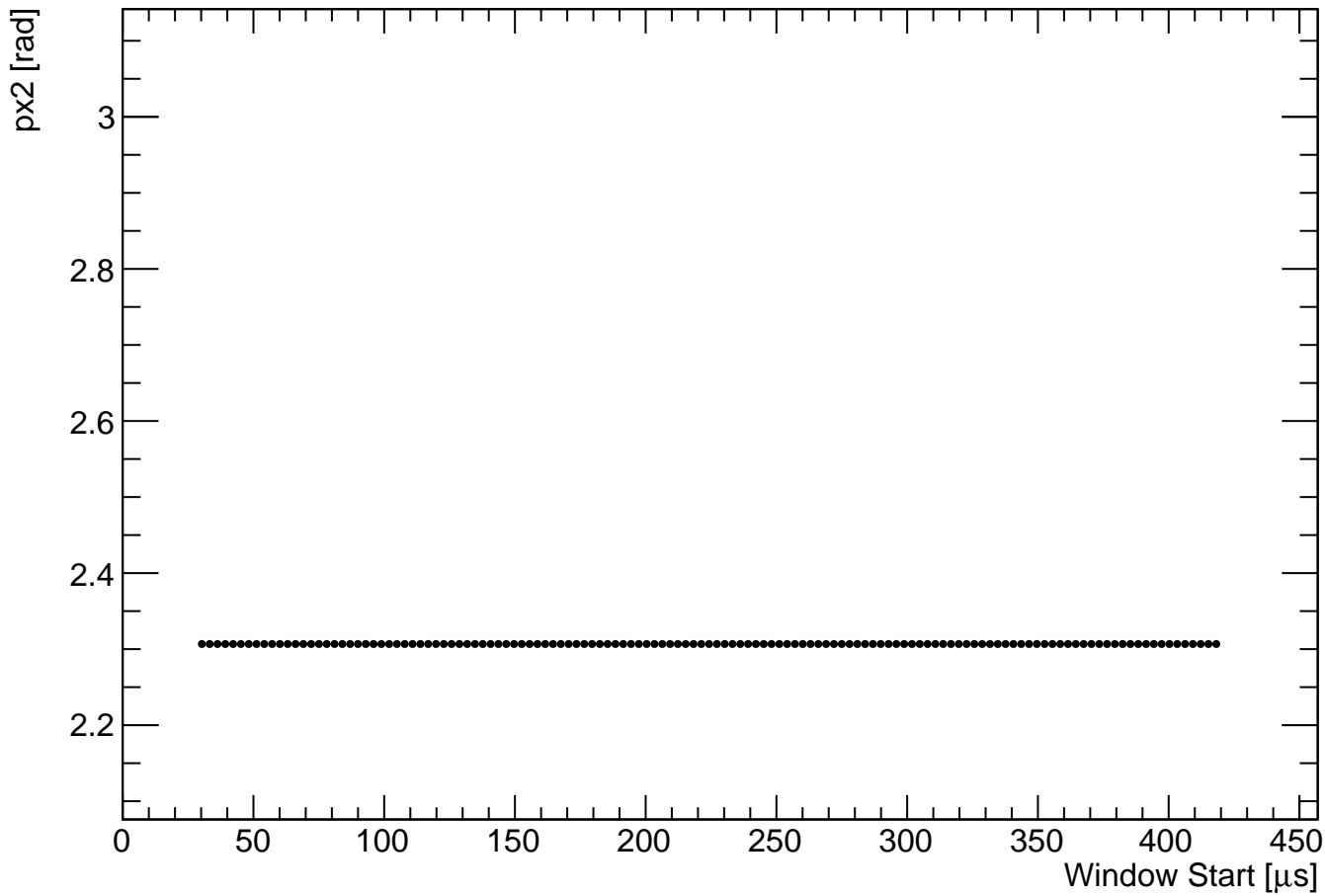


Ax2

Ax2



px2



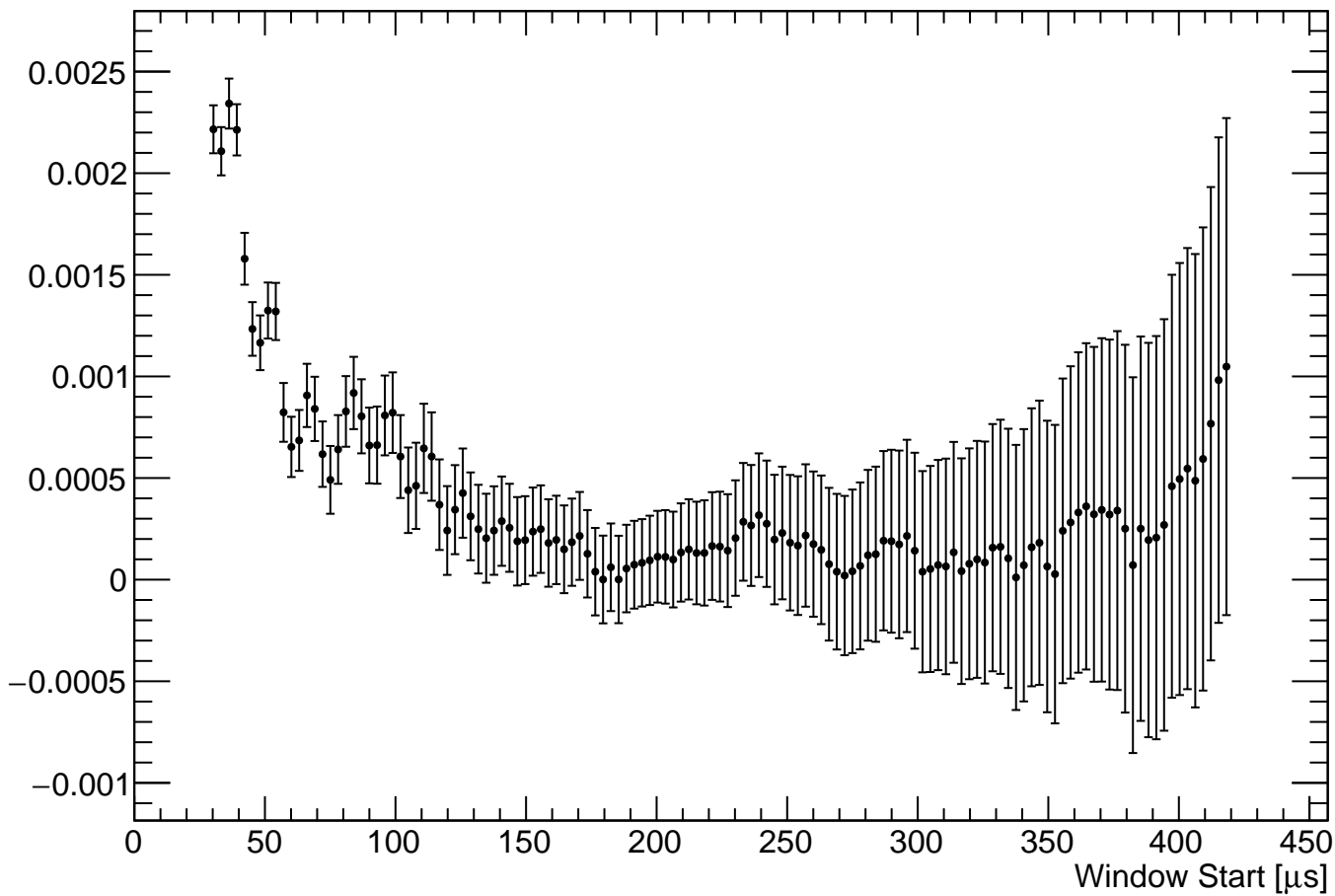
Ay1



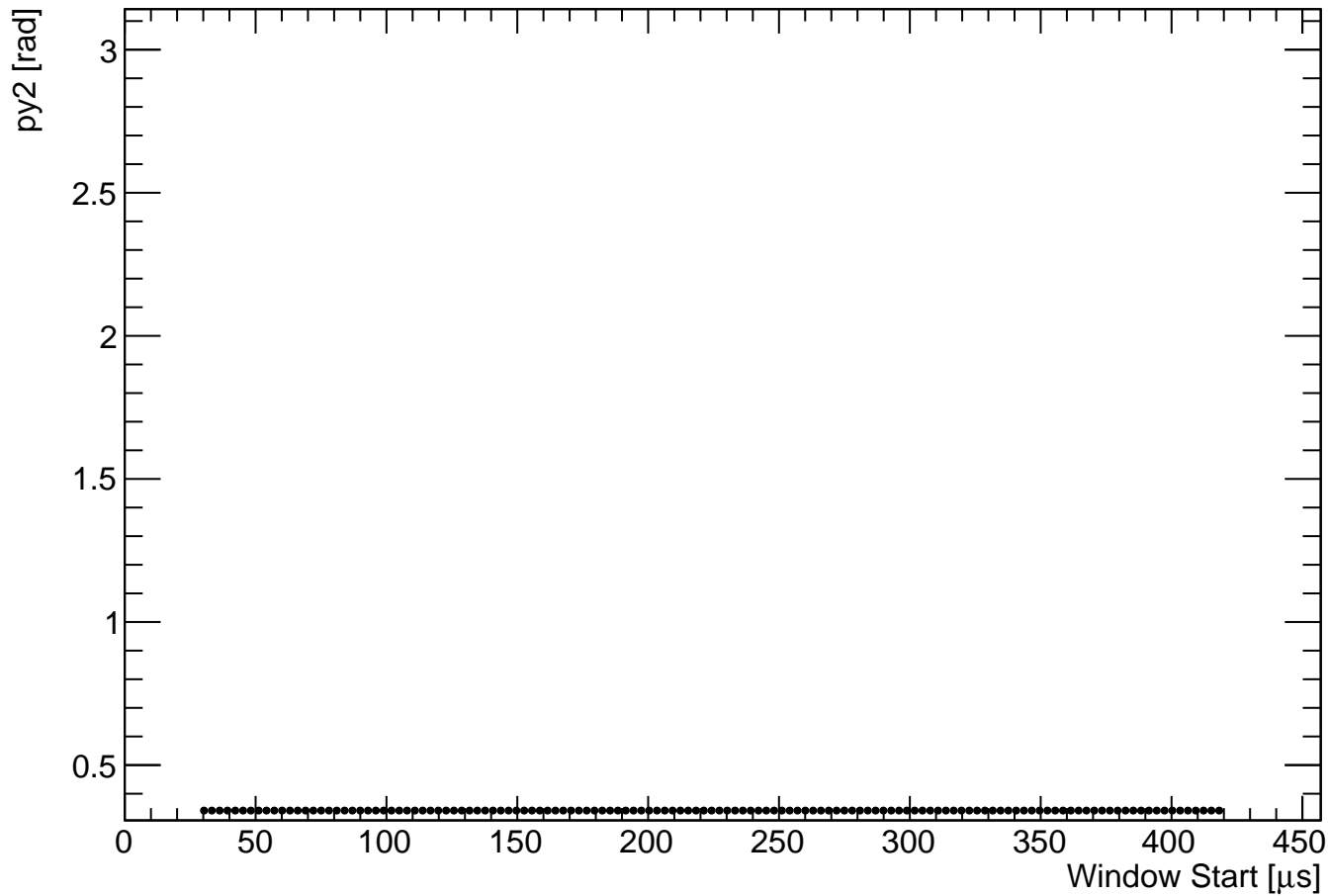
py1



# Ay2



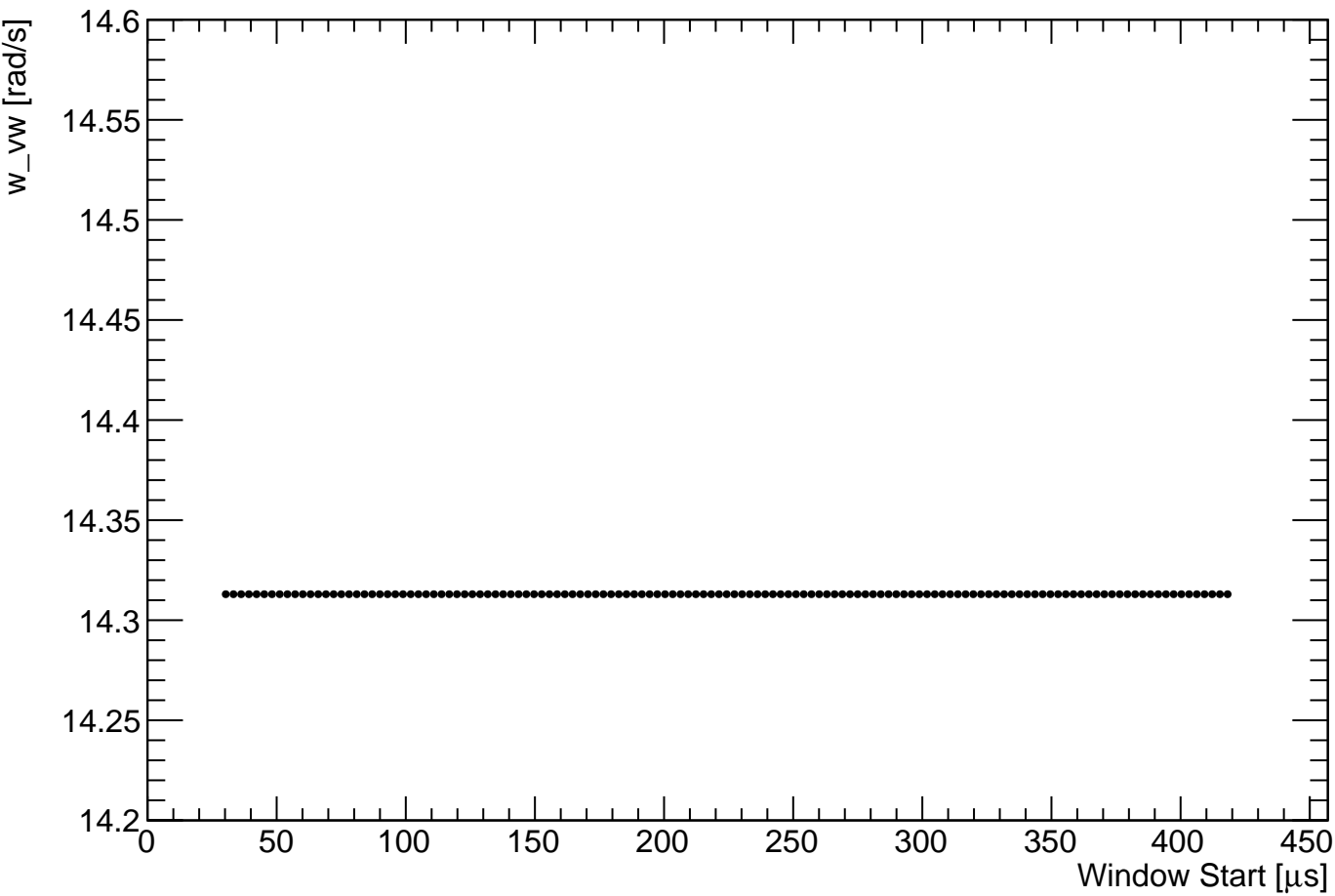
py2



$w_y$

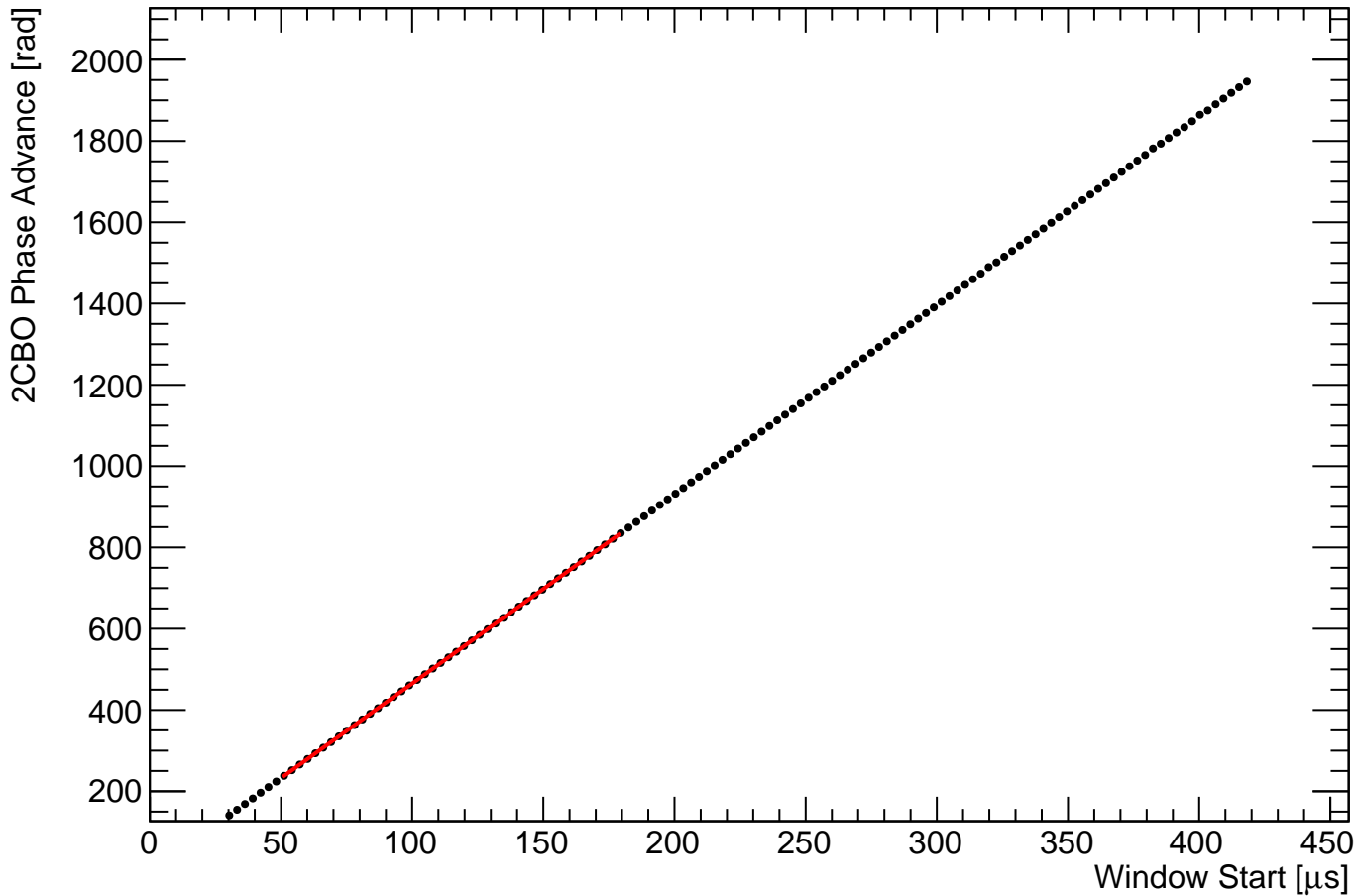


W\_VW

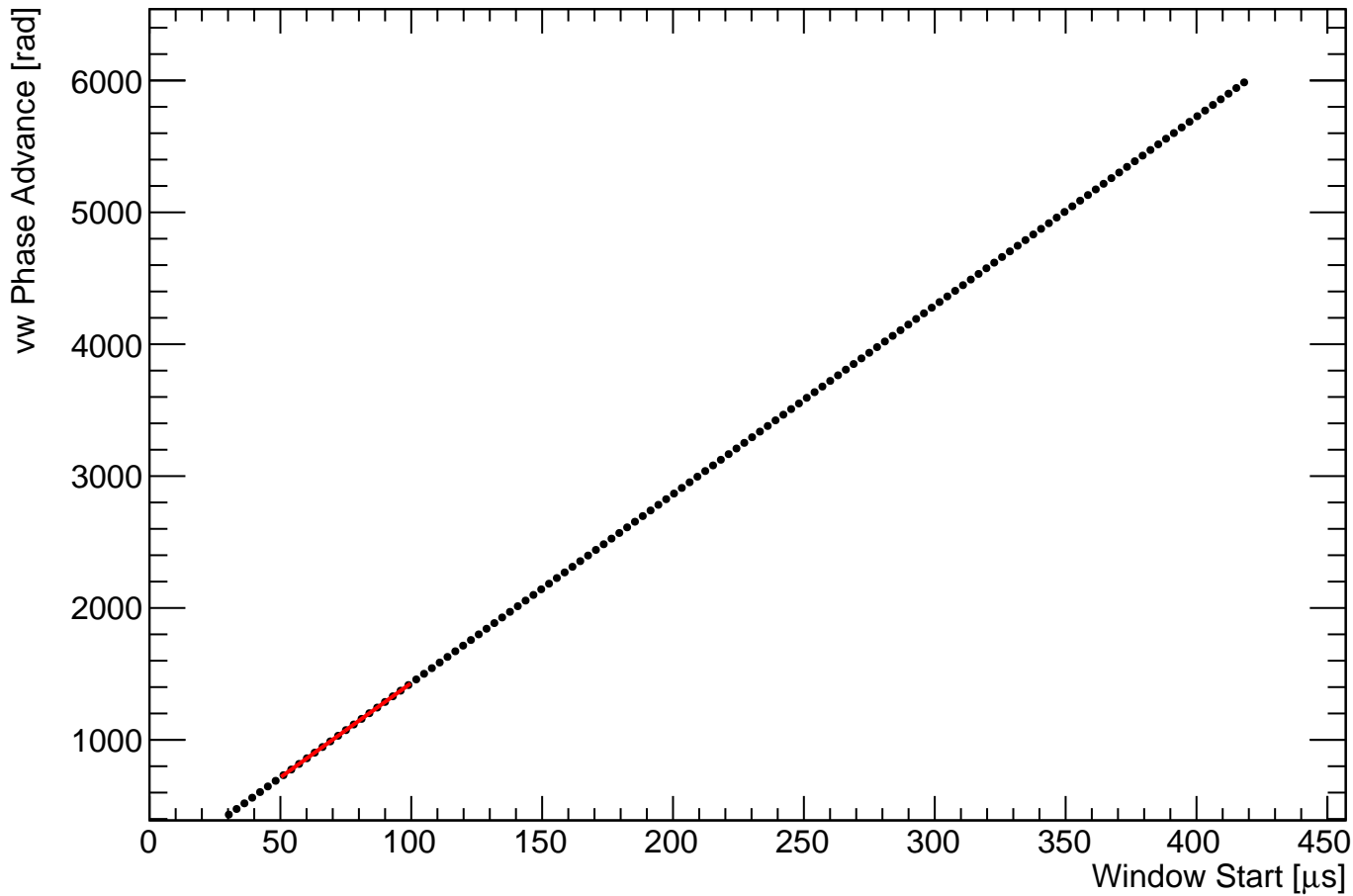




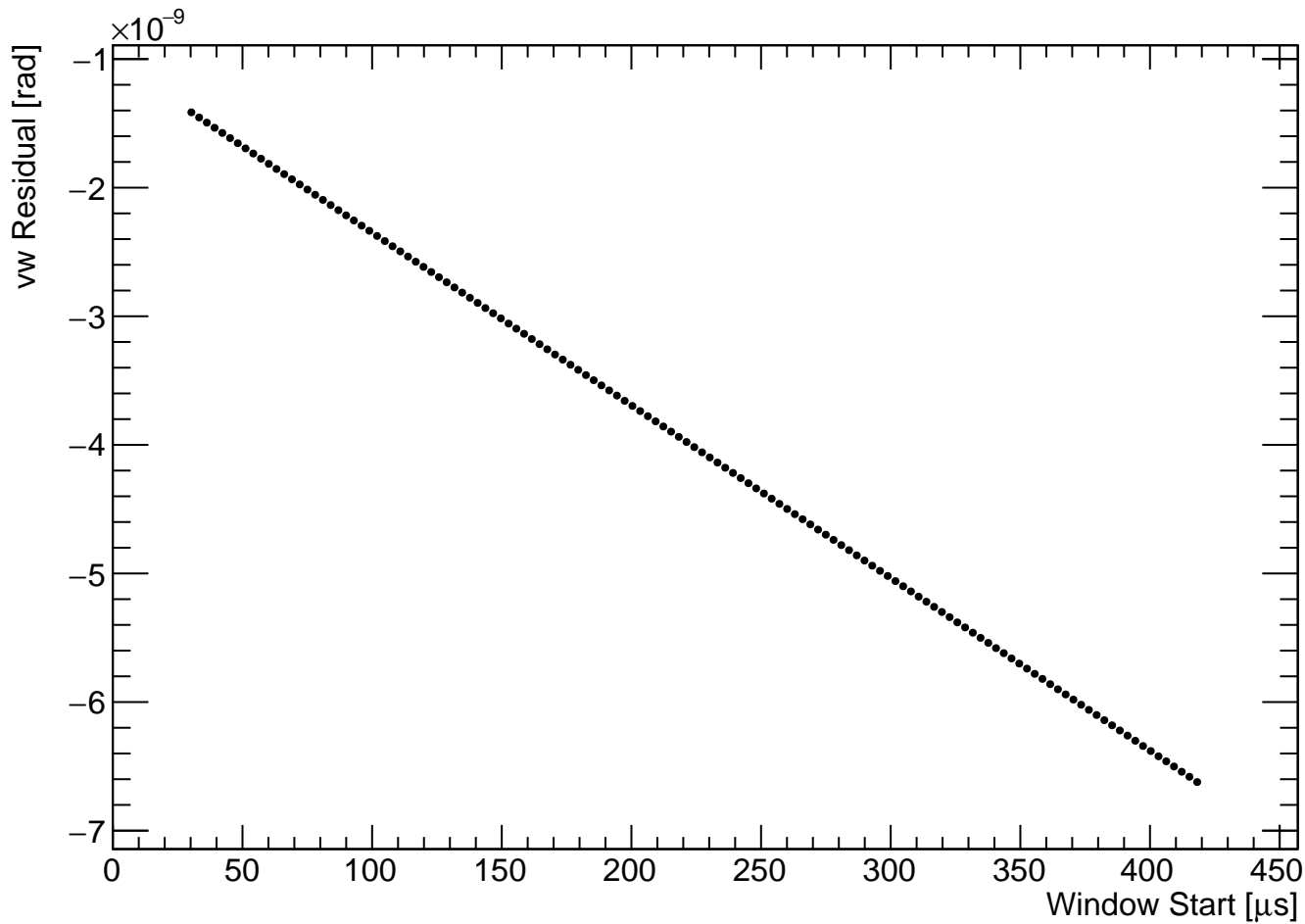
## 2CBO Phase Advance



# vw Phase Advance



# vw Phase Advance Residual



# 2CBO Phase Advance Residual

