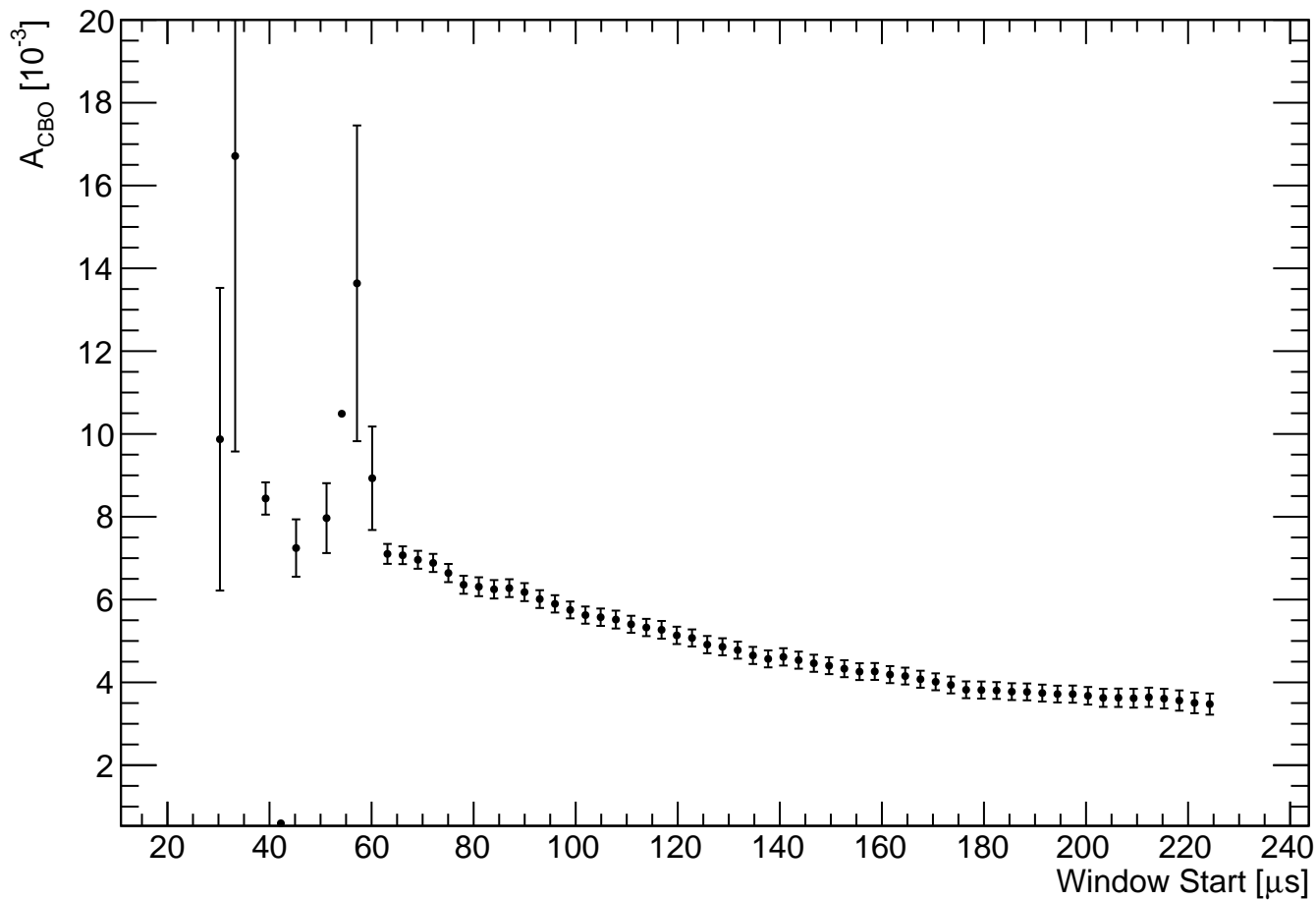
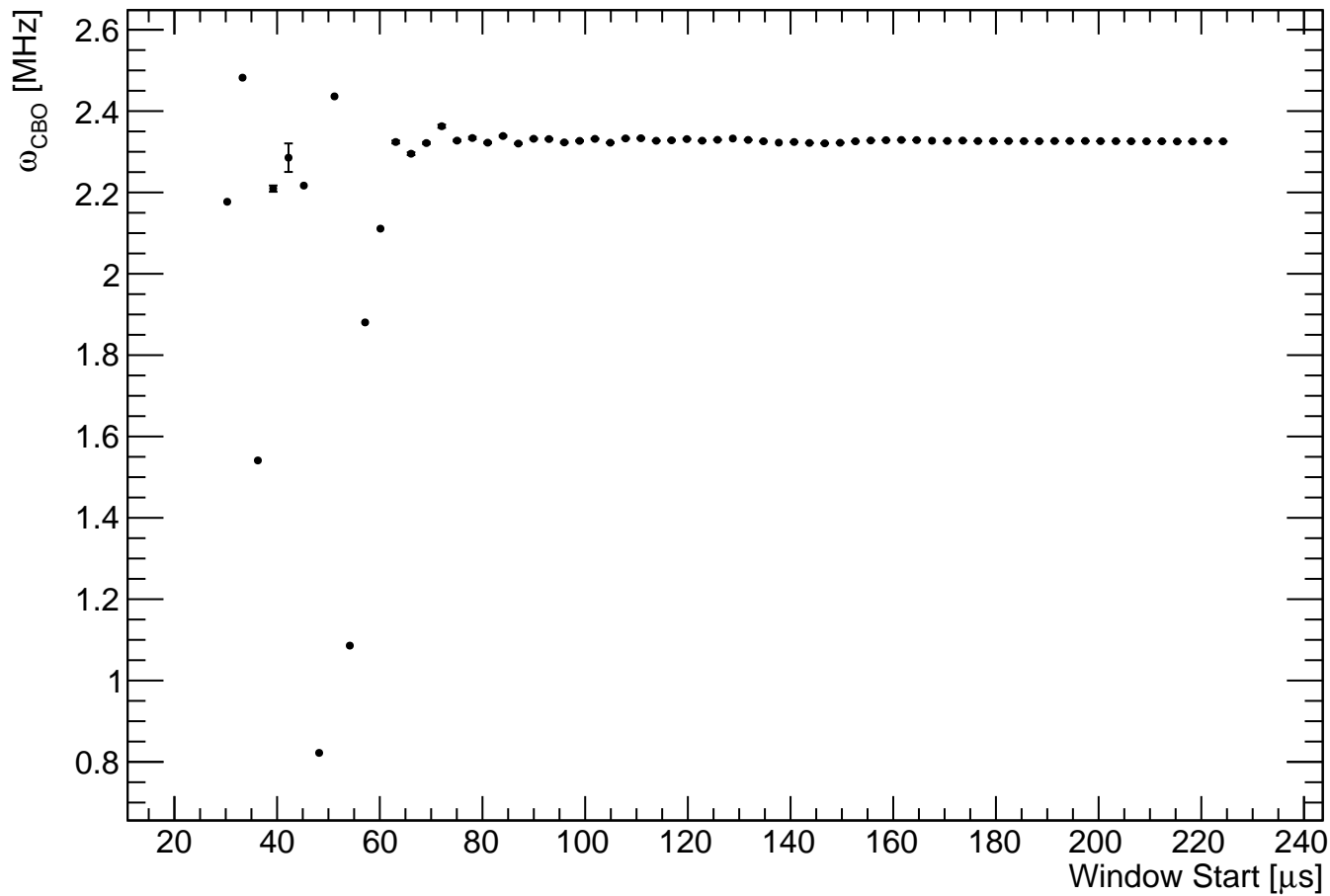


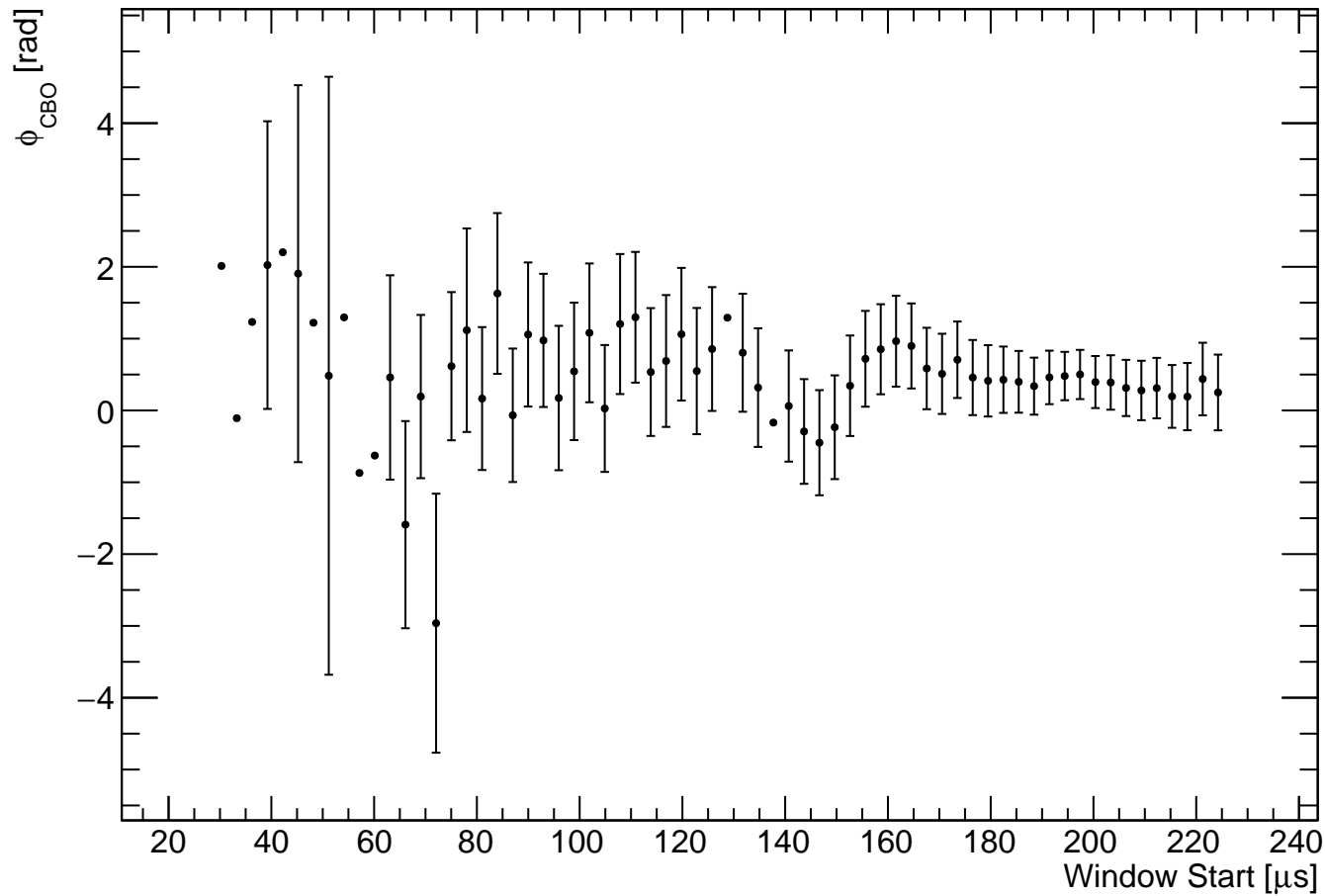
A\_CBO v time



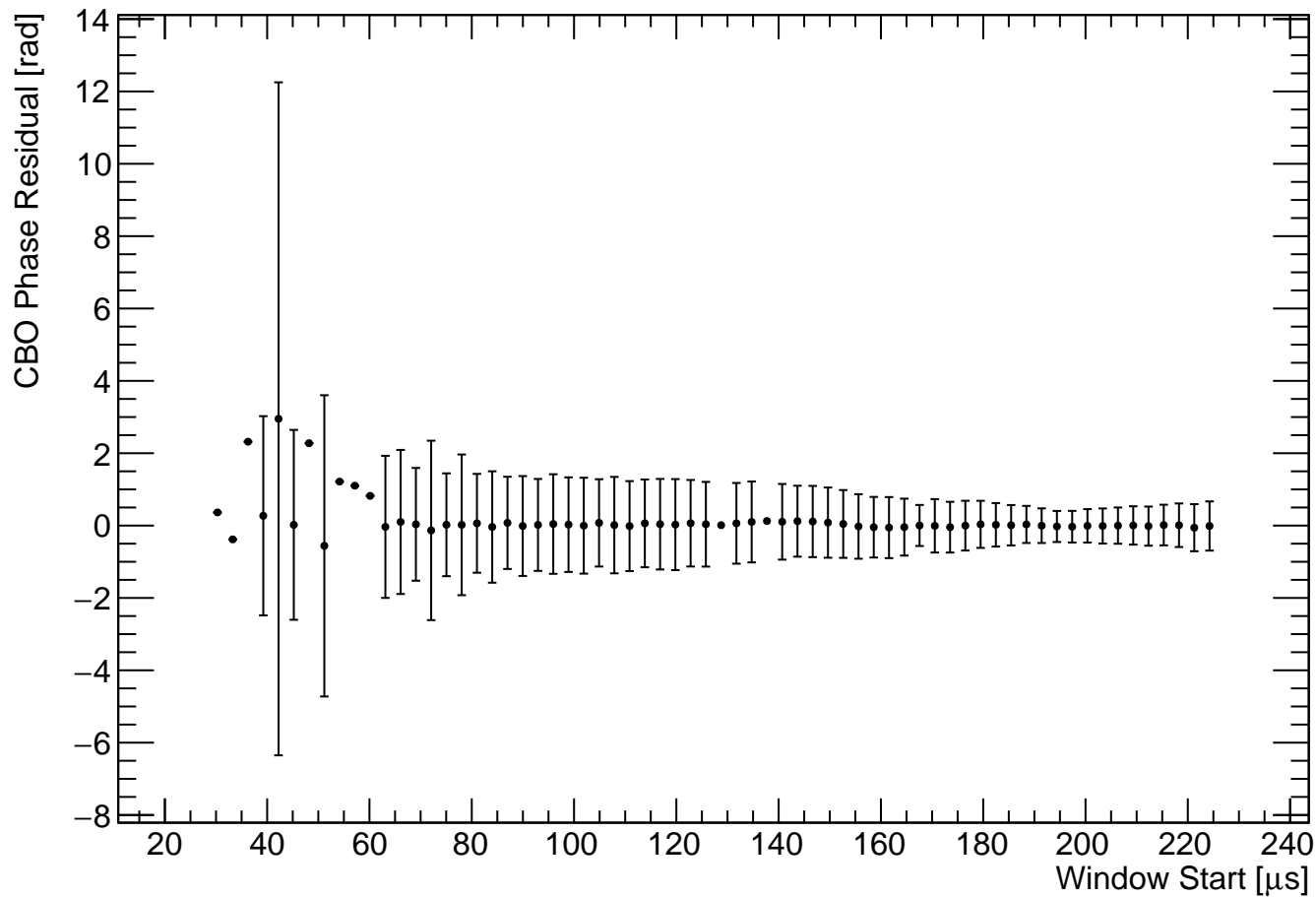
w\_CBO v time



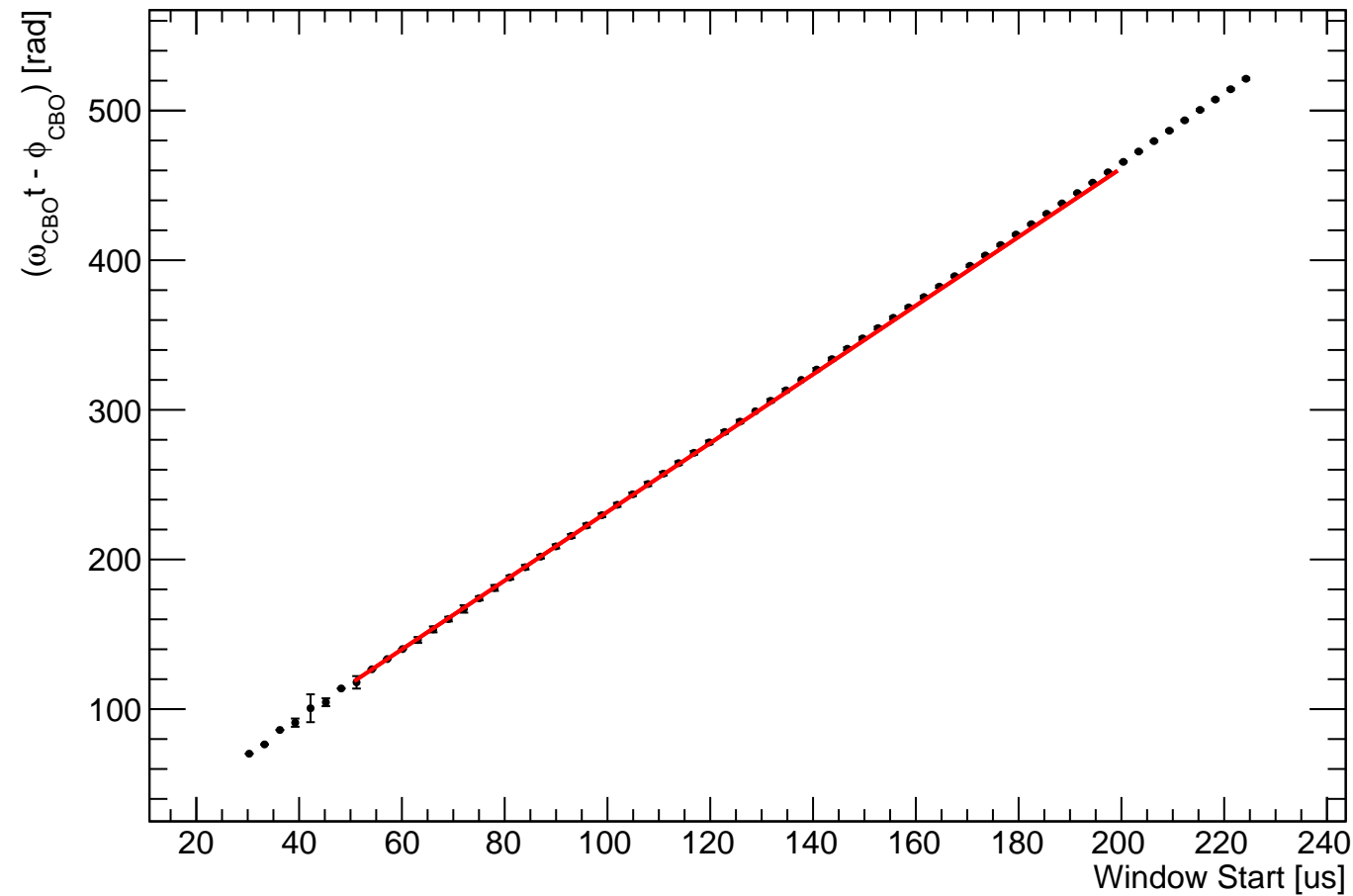
# p\_CBO v time



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

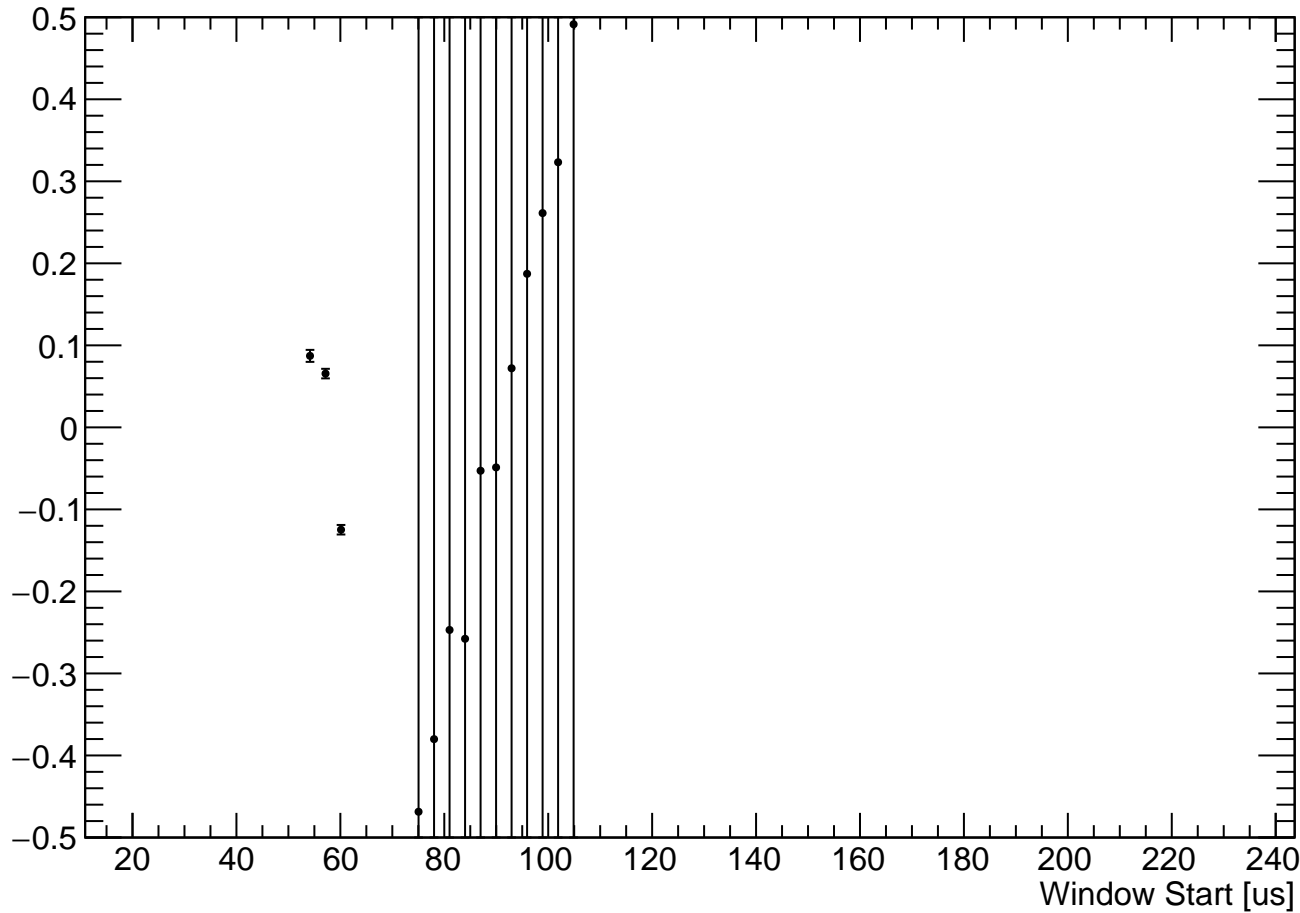


# CBO Phase Advance from Sliding Windows

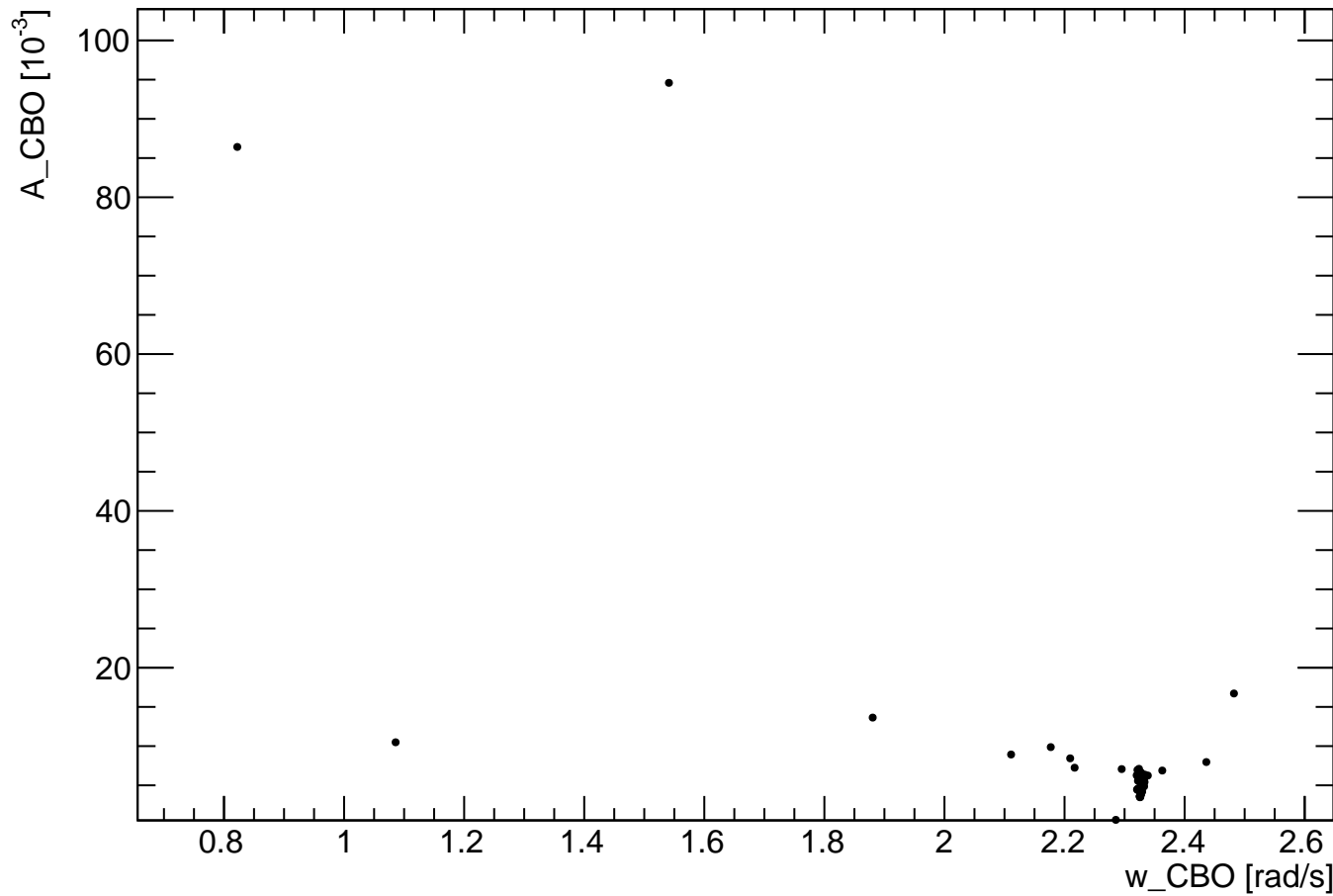


$$(\omega_{\text{CBO}}t - \phi_{\text{CBO}})_{\text{window}} - (\omega_0t - \phi_0)_{\text{late}}$$

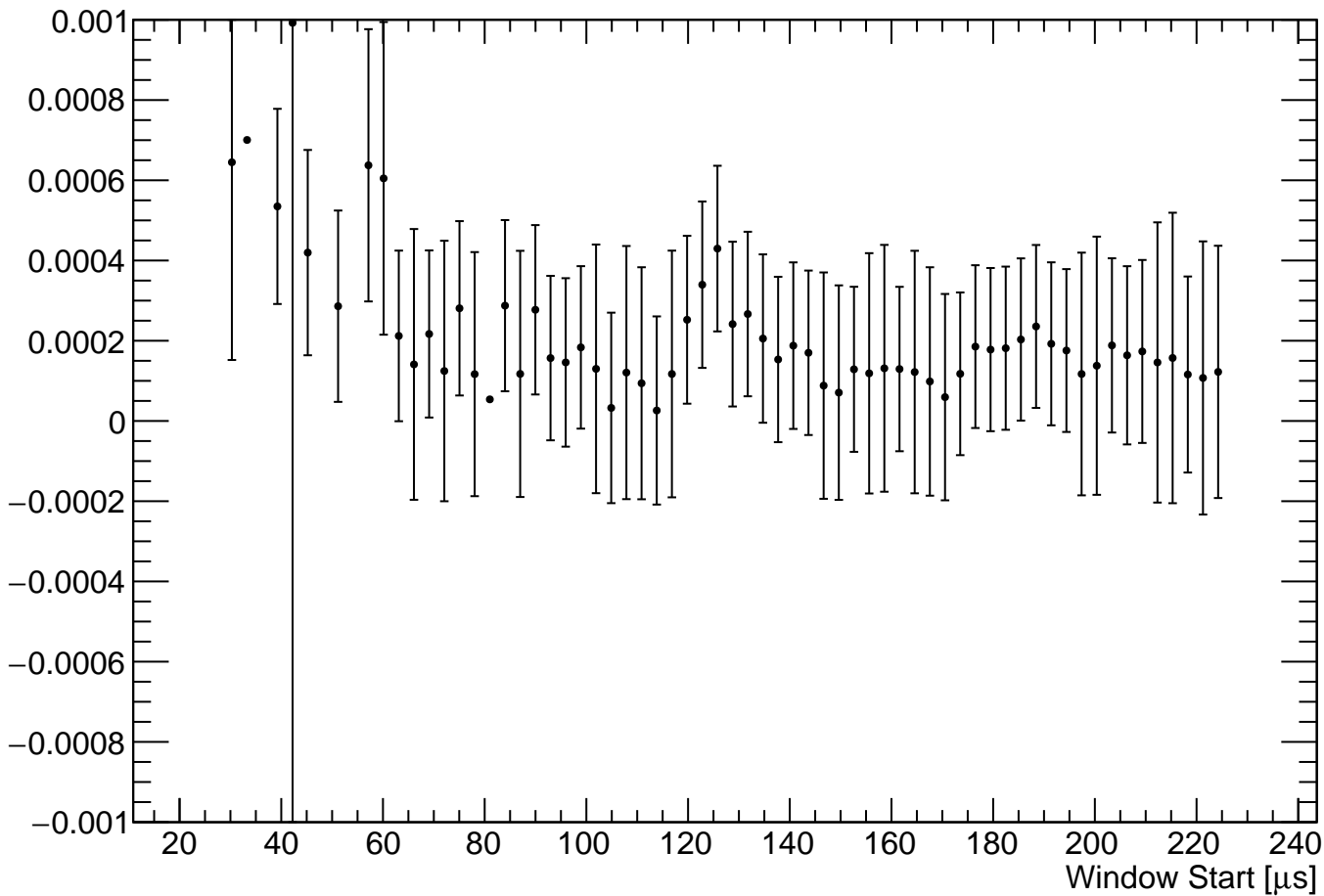
CBO Phase Residual [rad]



w\_CBO vs A\_CBO



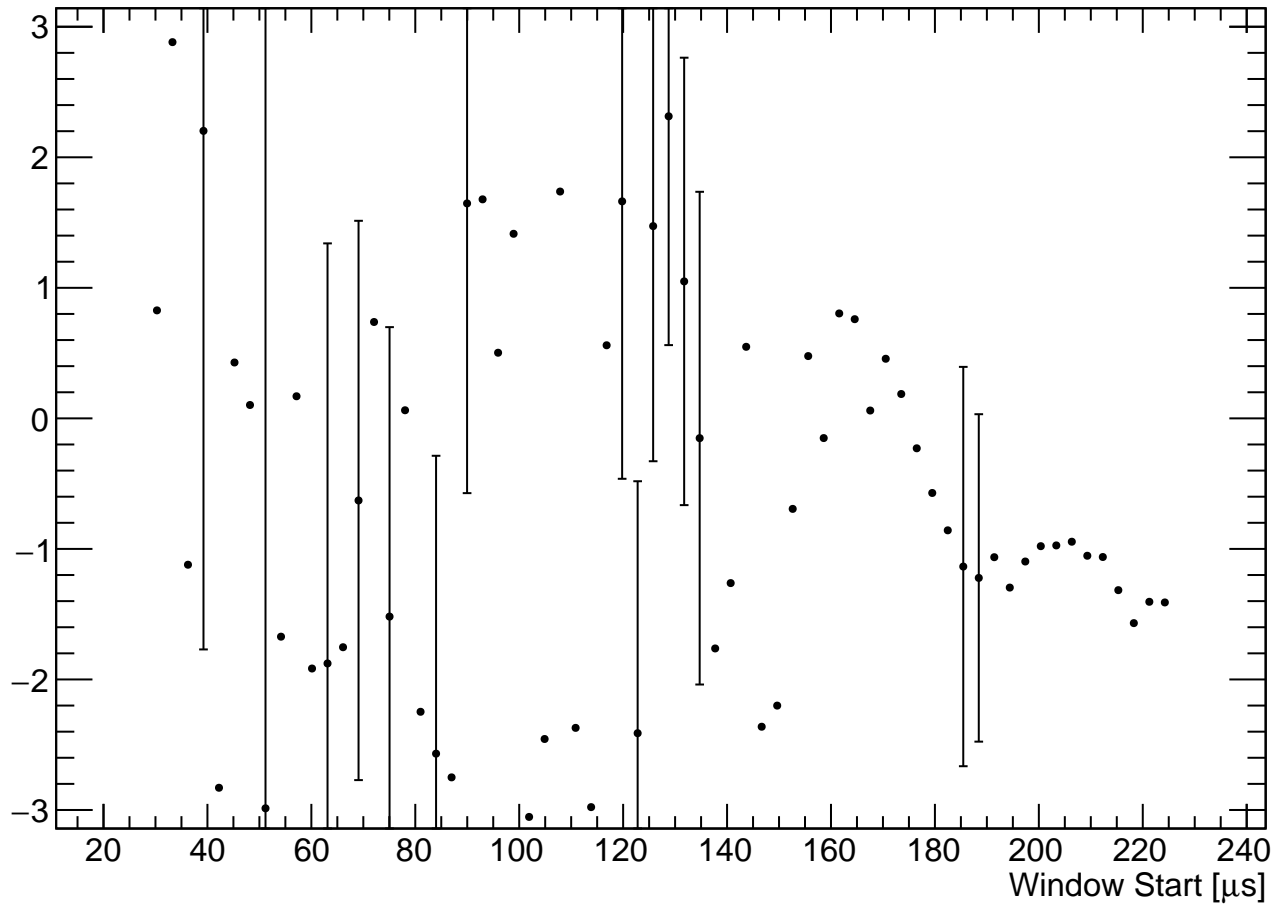
Ax2



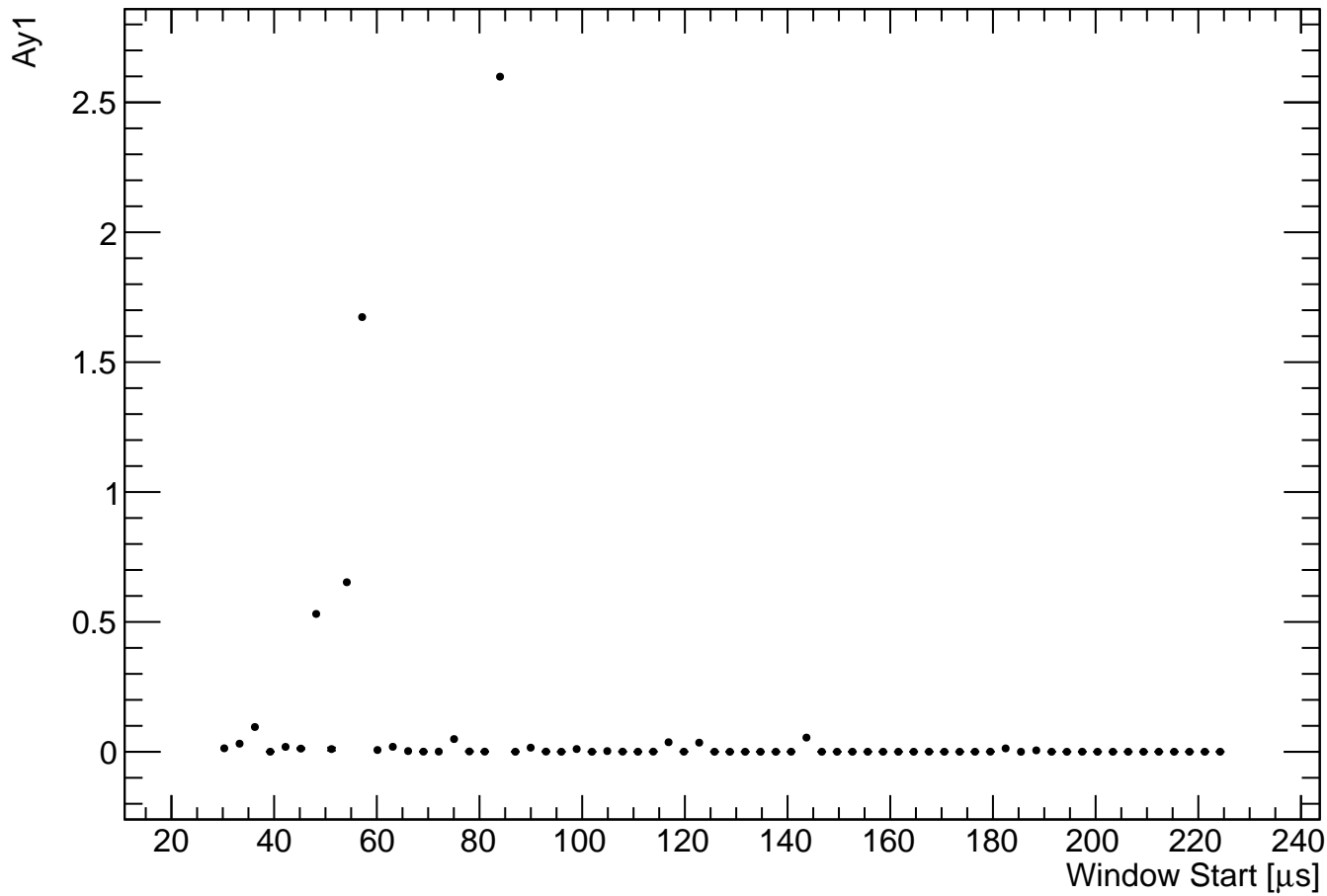


px2

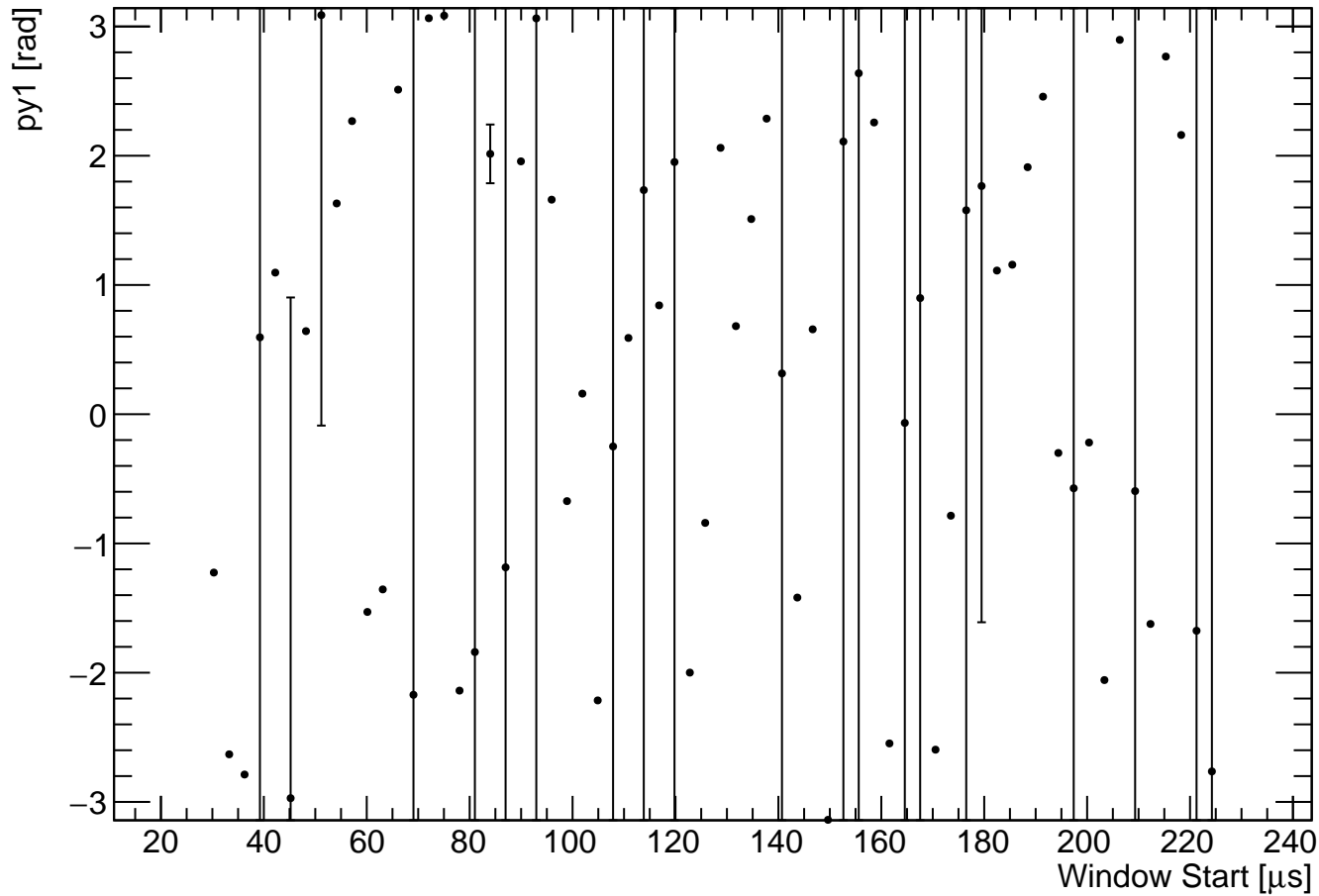
px2 [rad]



# Ay1

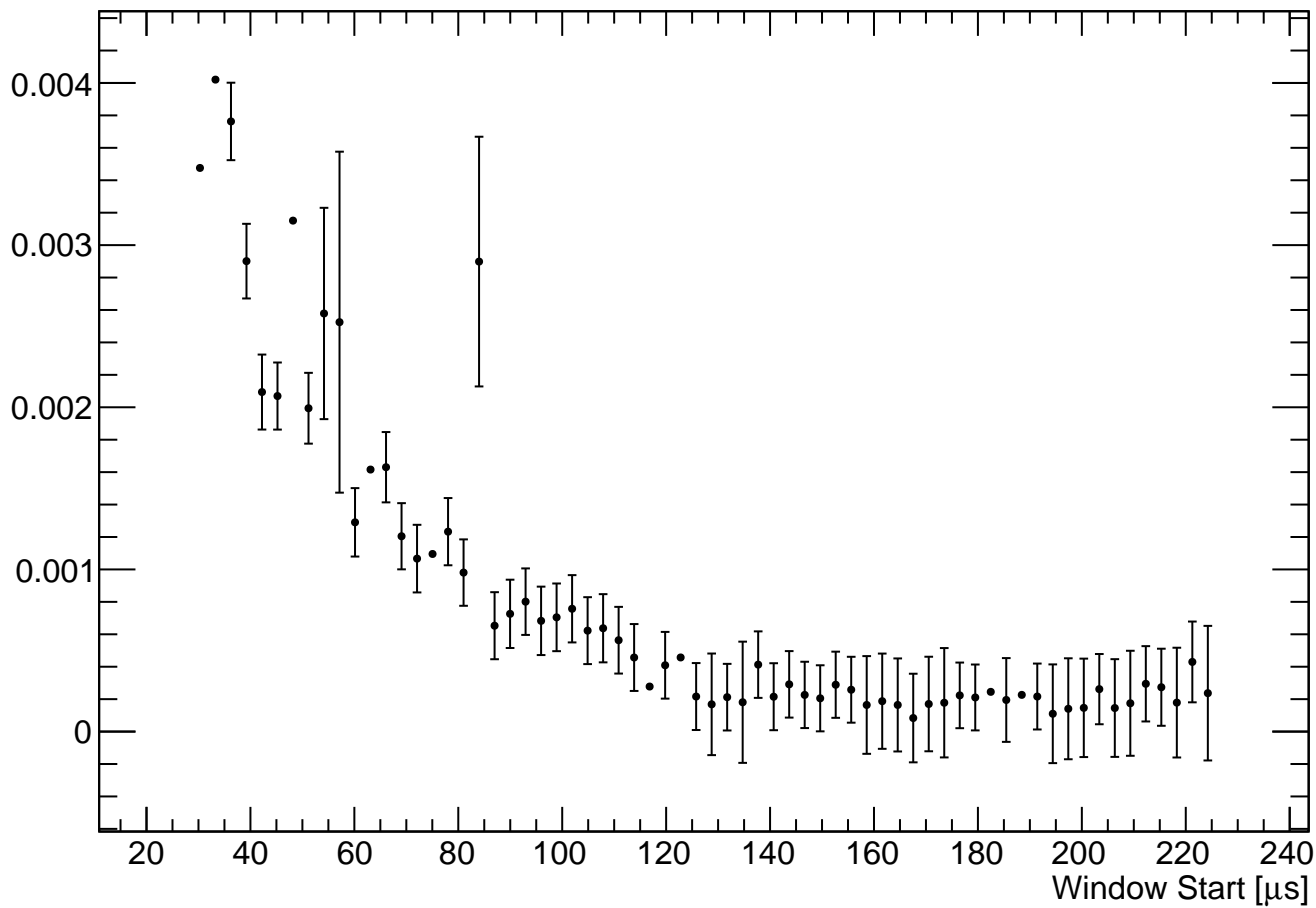


py1

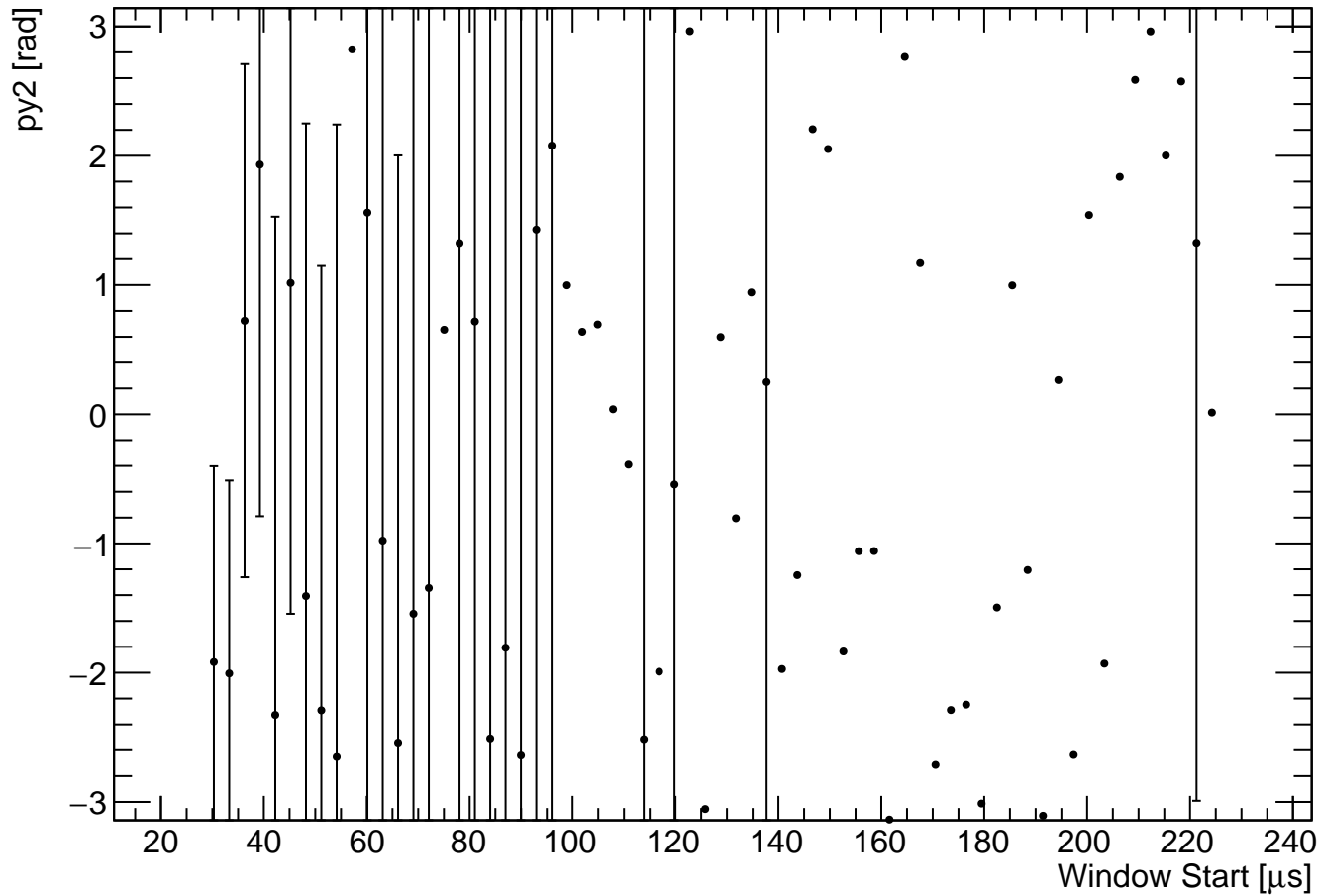


# Ay2

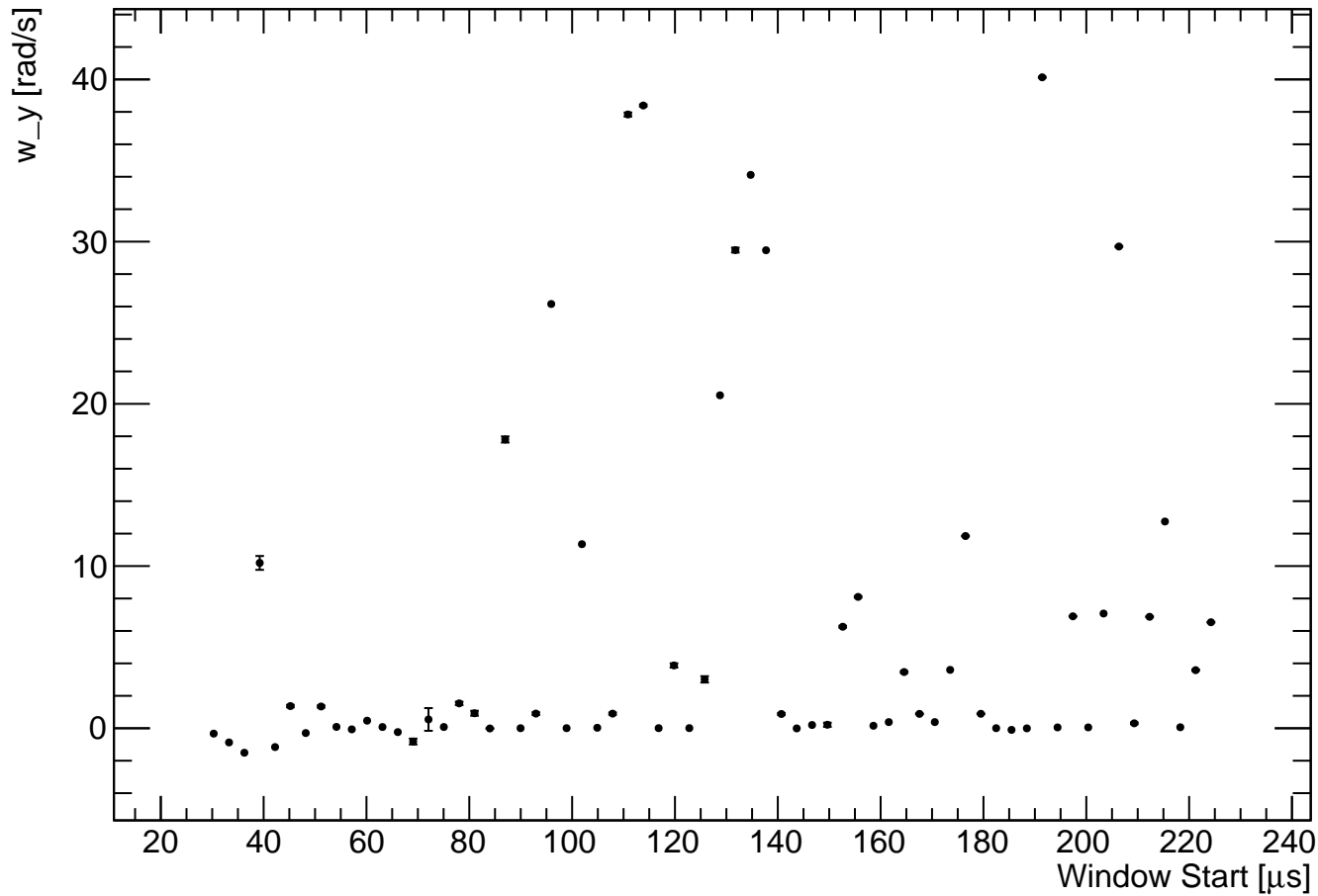
Ay2



py2

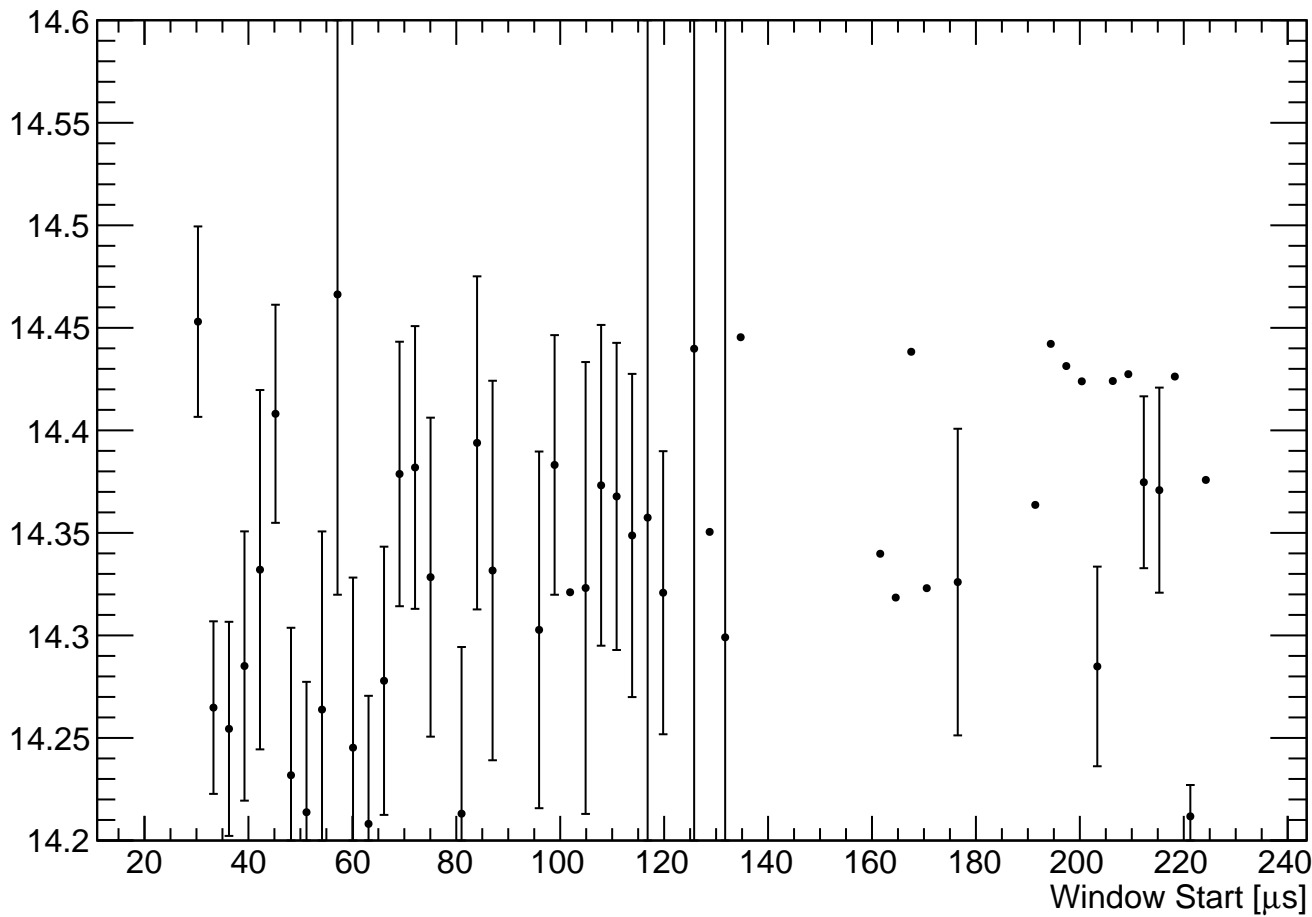


w\_y

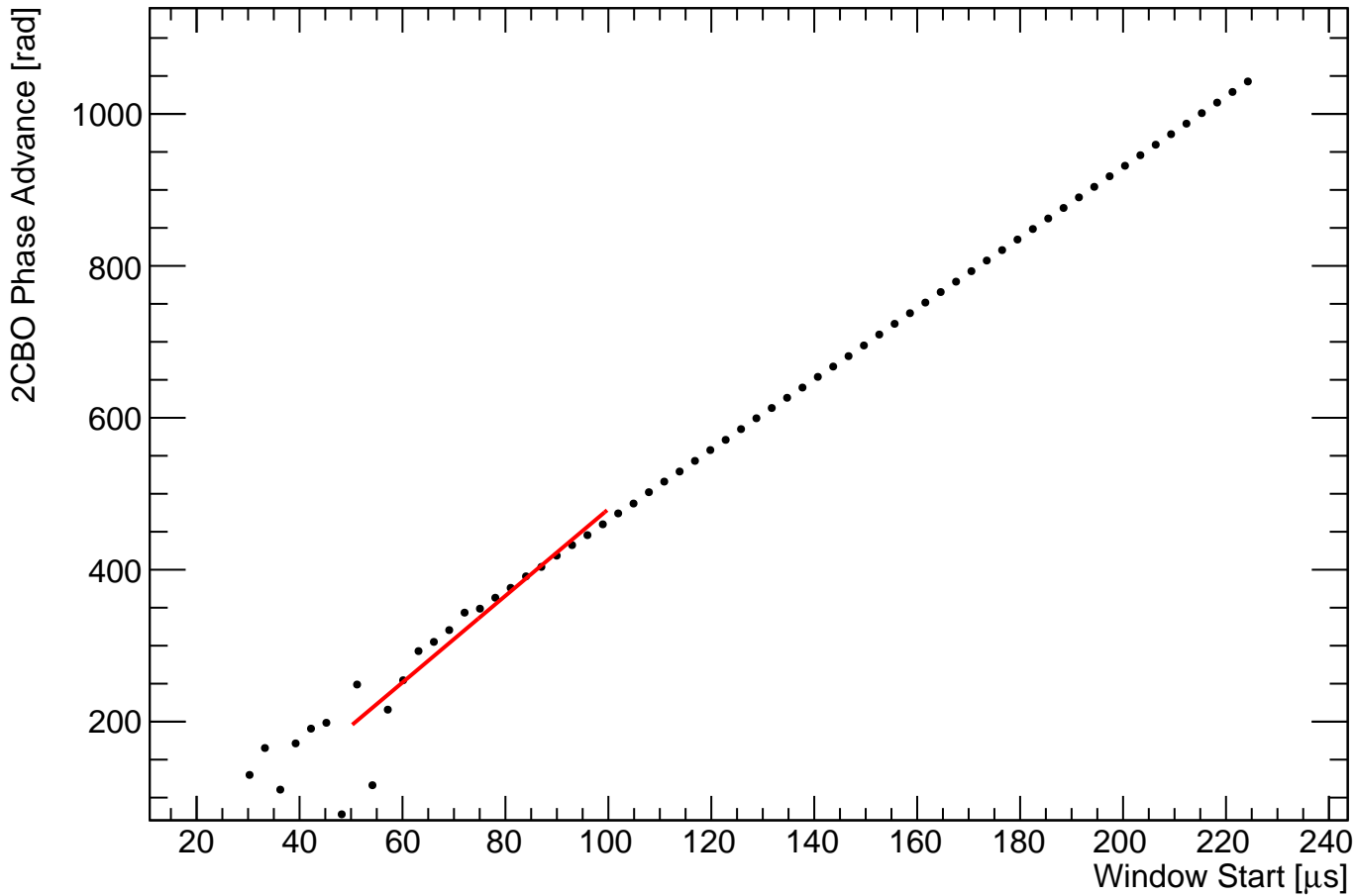


W\_VW

w\_vw [rad/s]

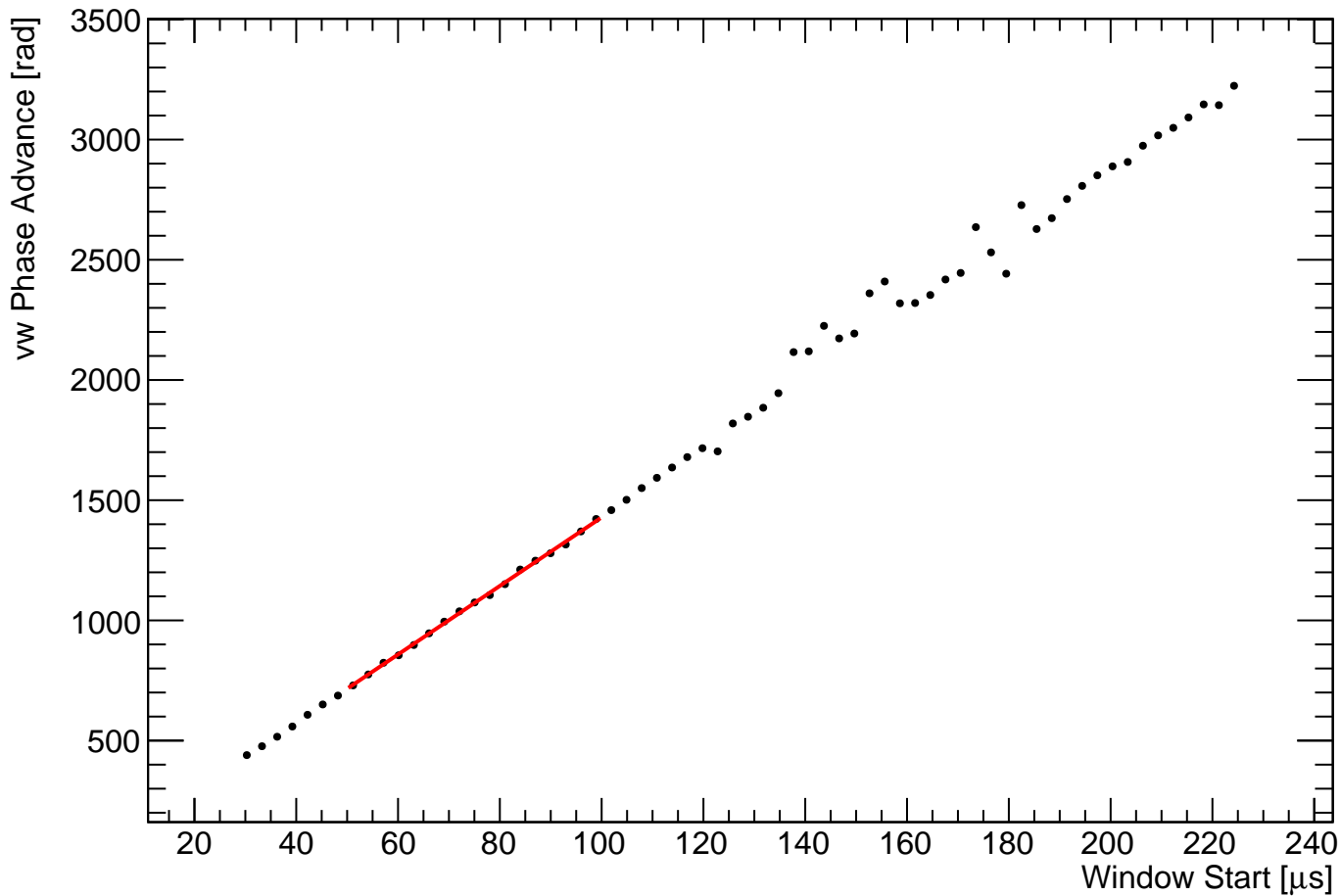


## 2CBO Phase Advance

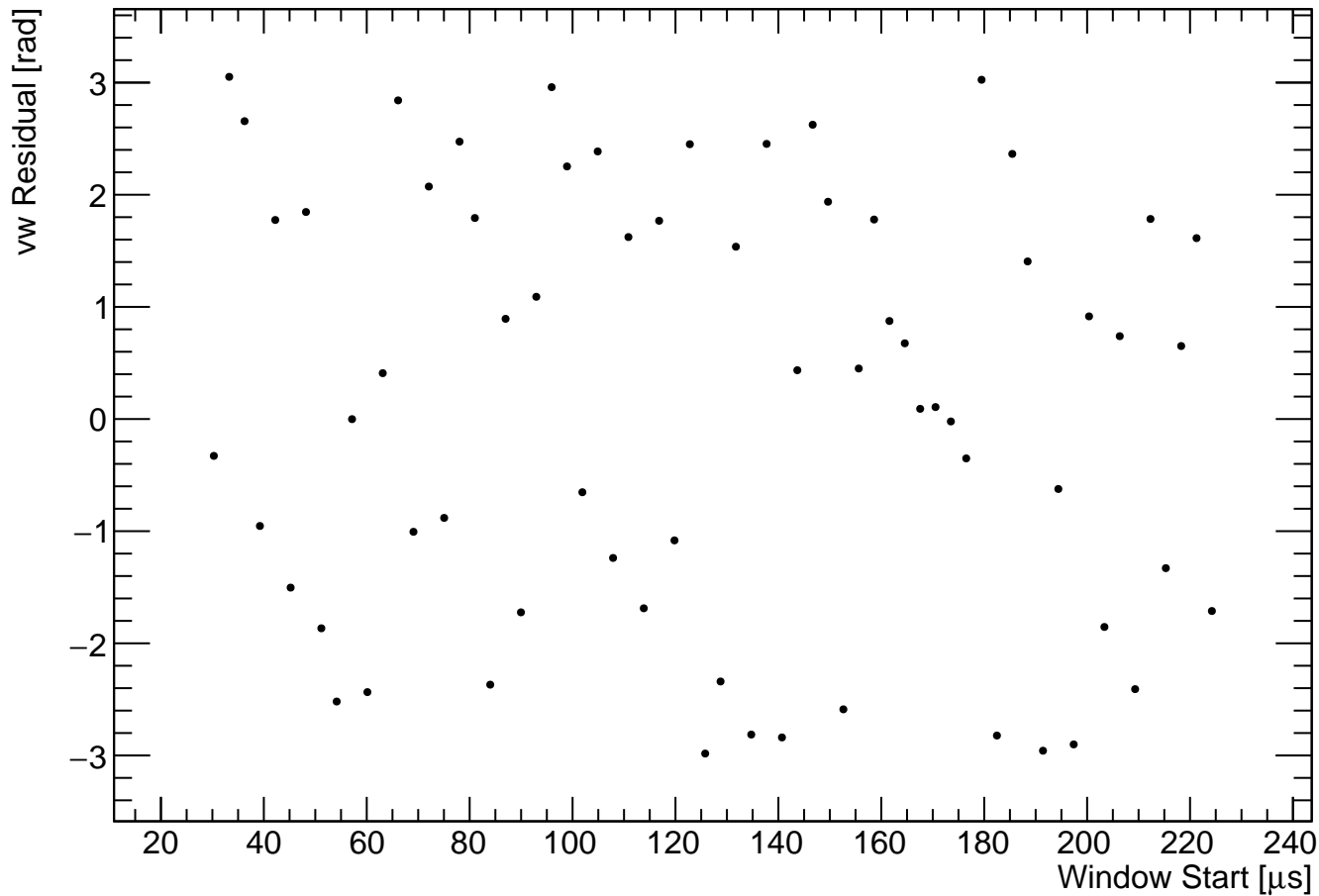


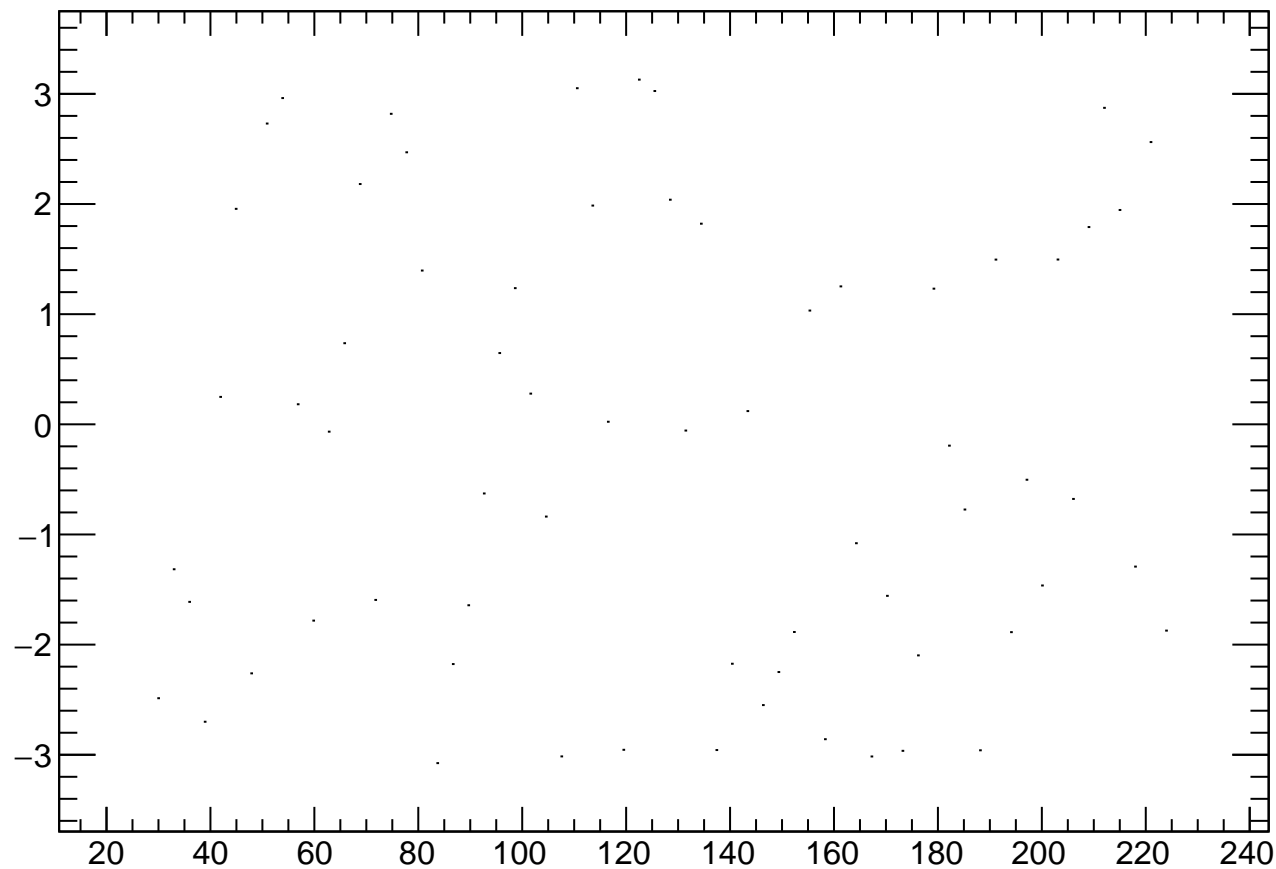


# vw Phase Advance



# vw Phase Advance Residual





# 2CBO Phase Advance Residual

