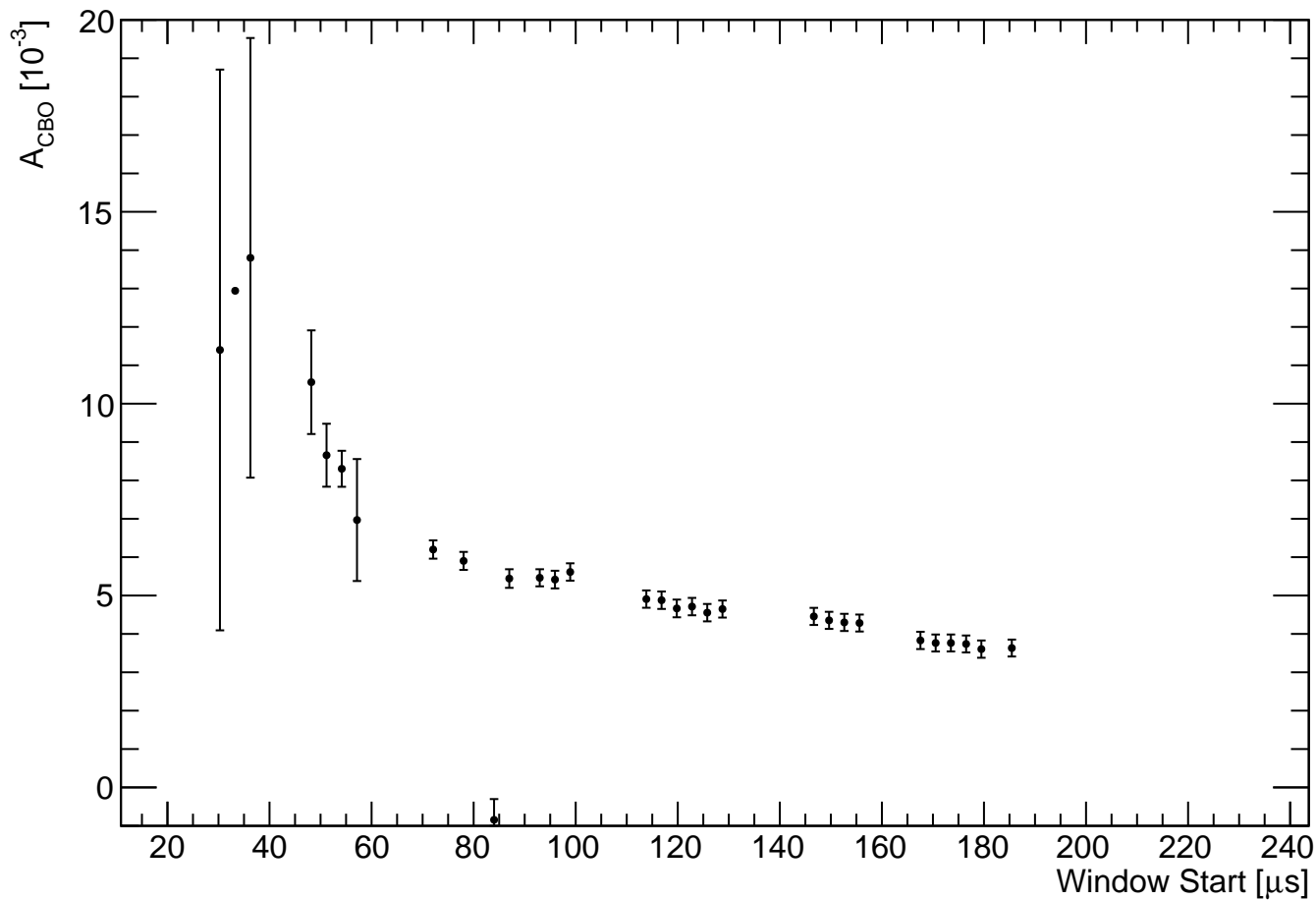
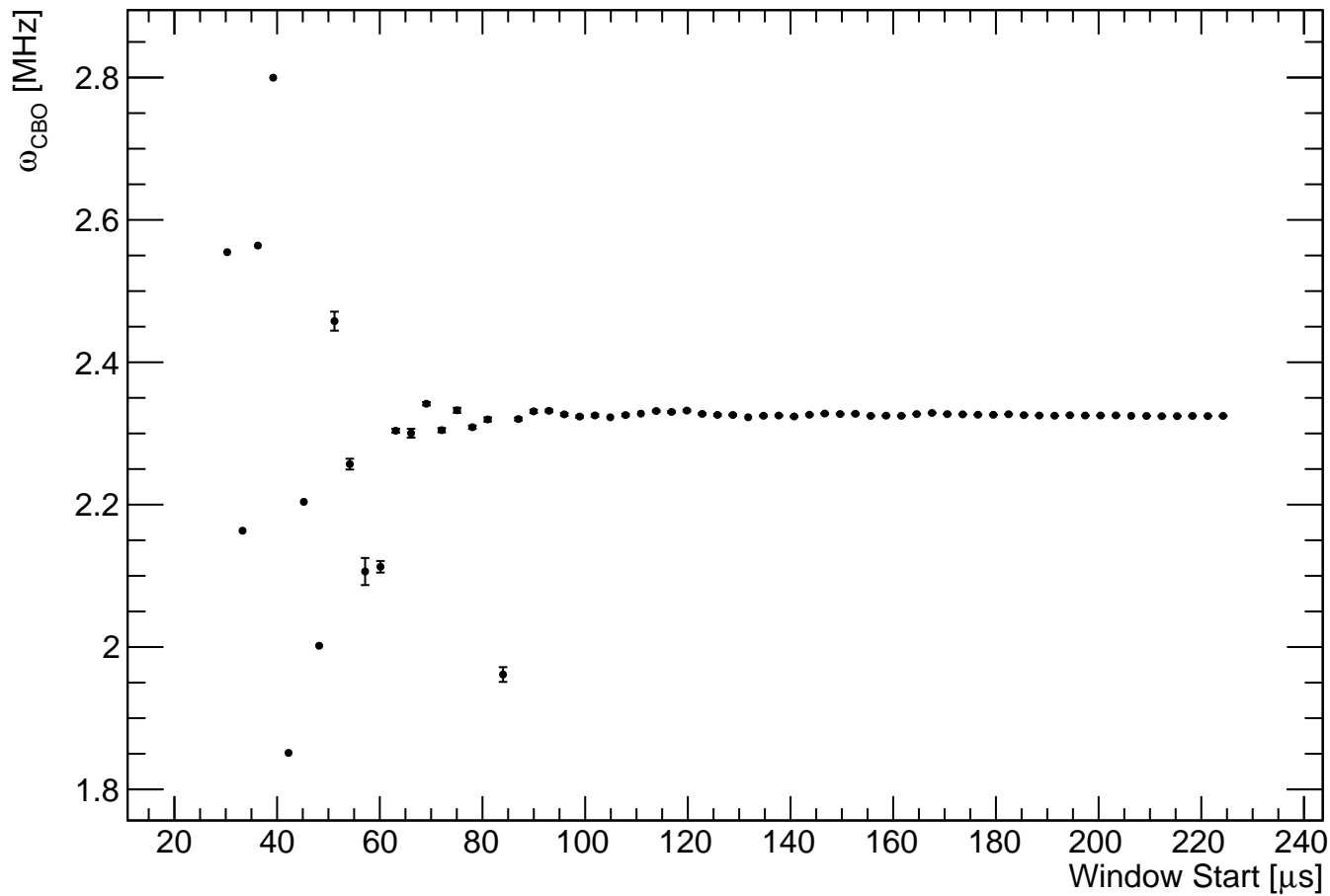


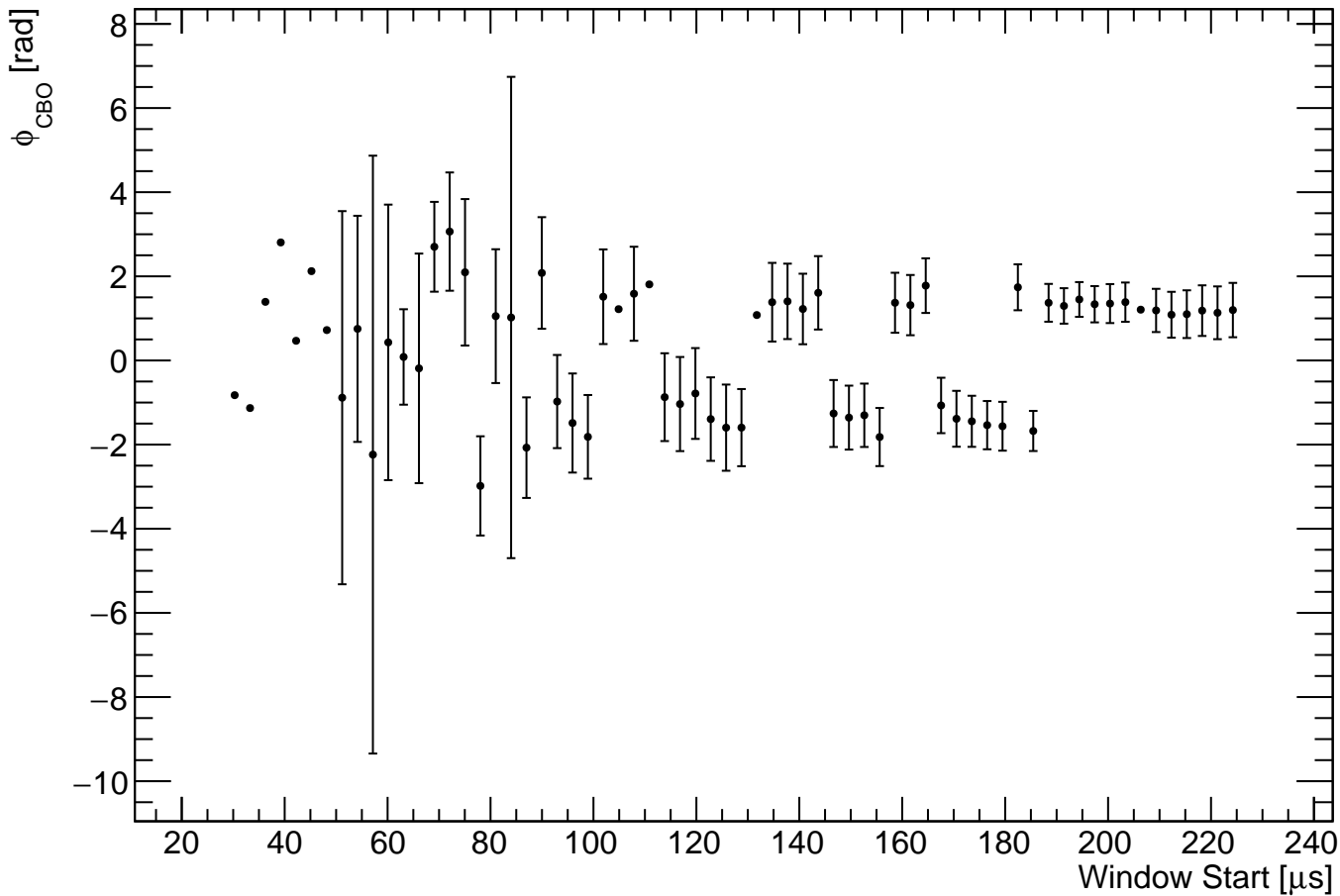
A\_CBO v time

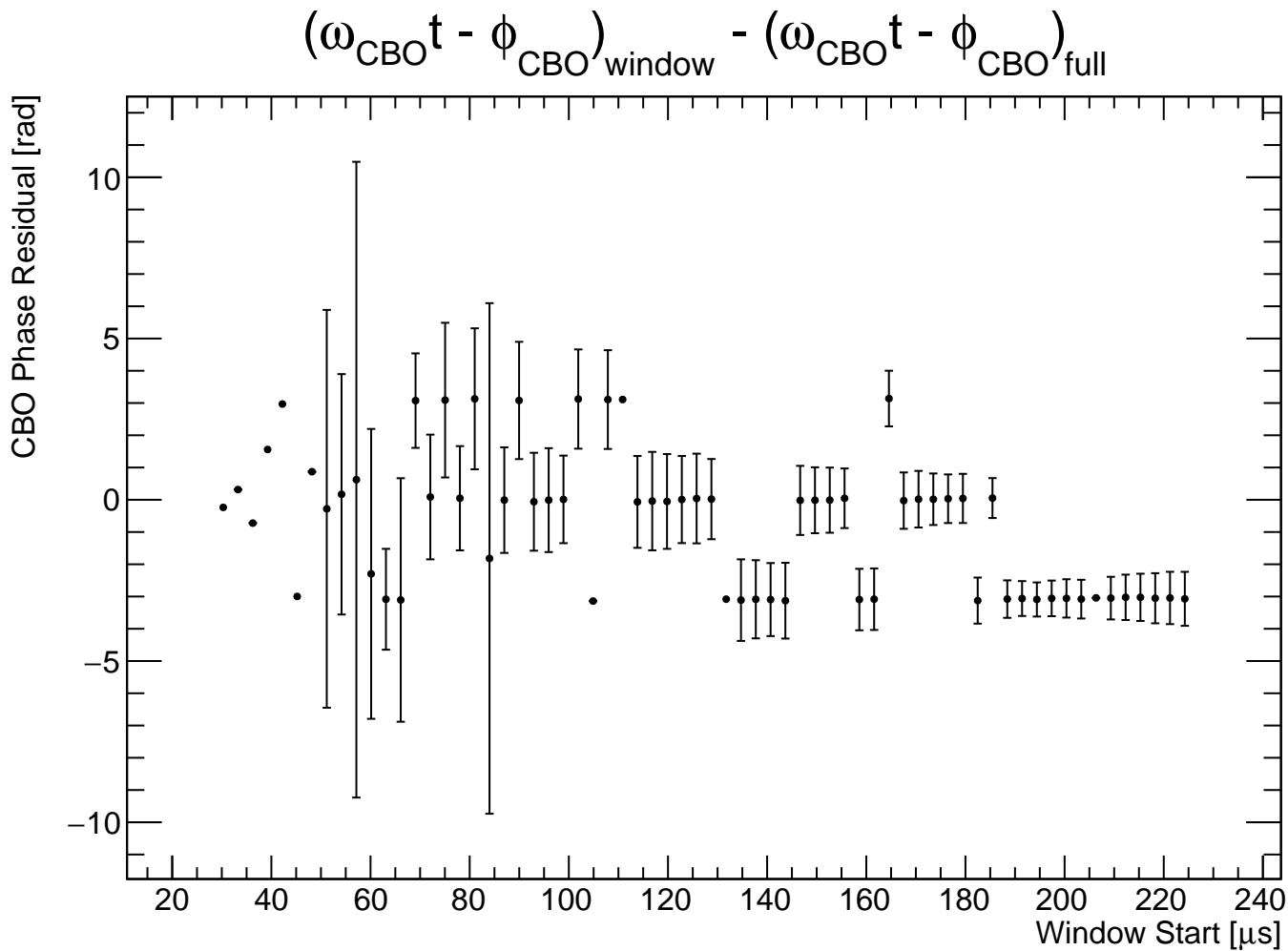


w\_CBO v time

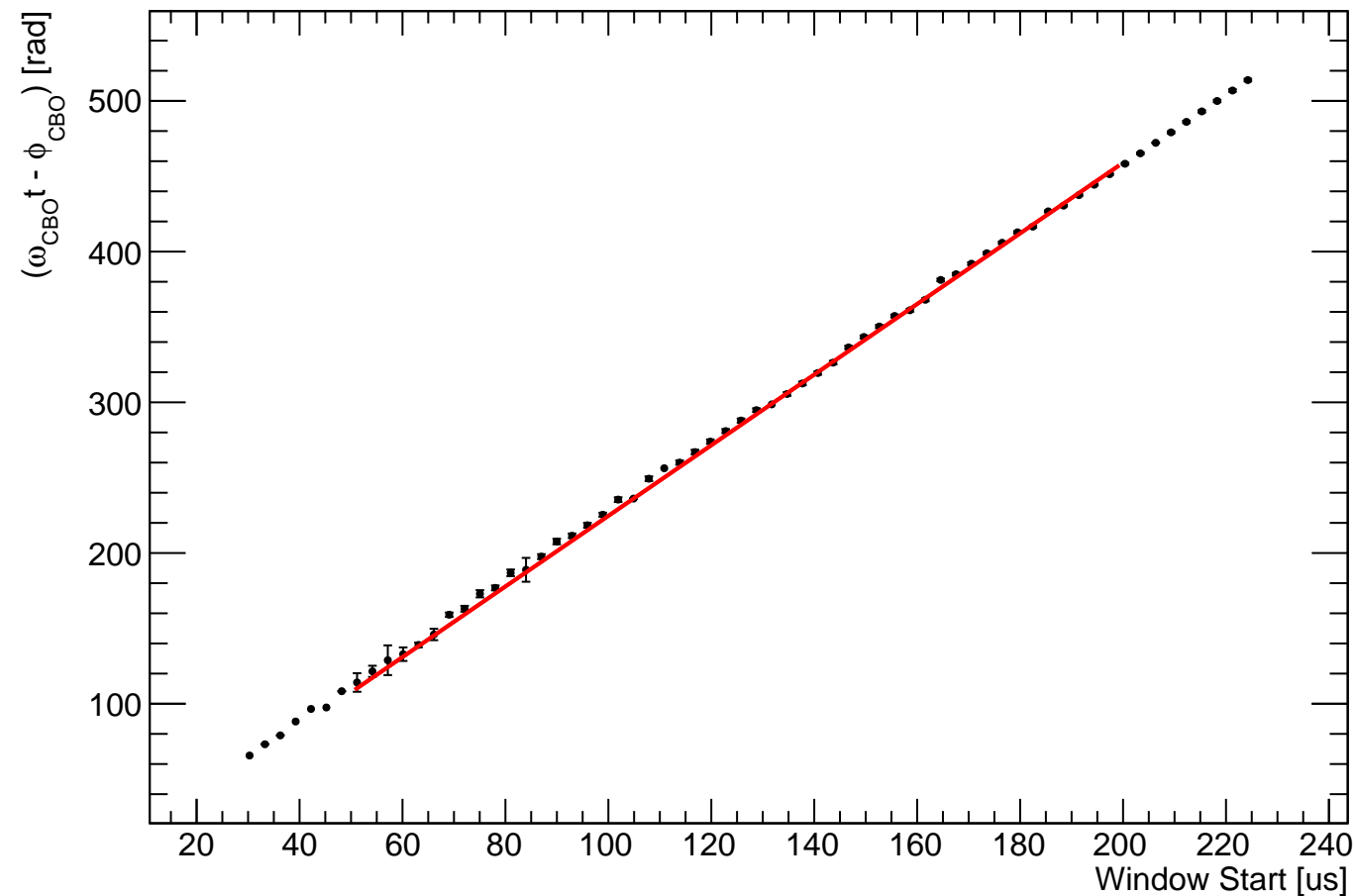


# p\_CBO v time

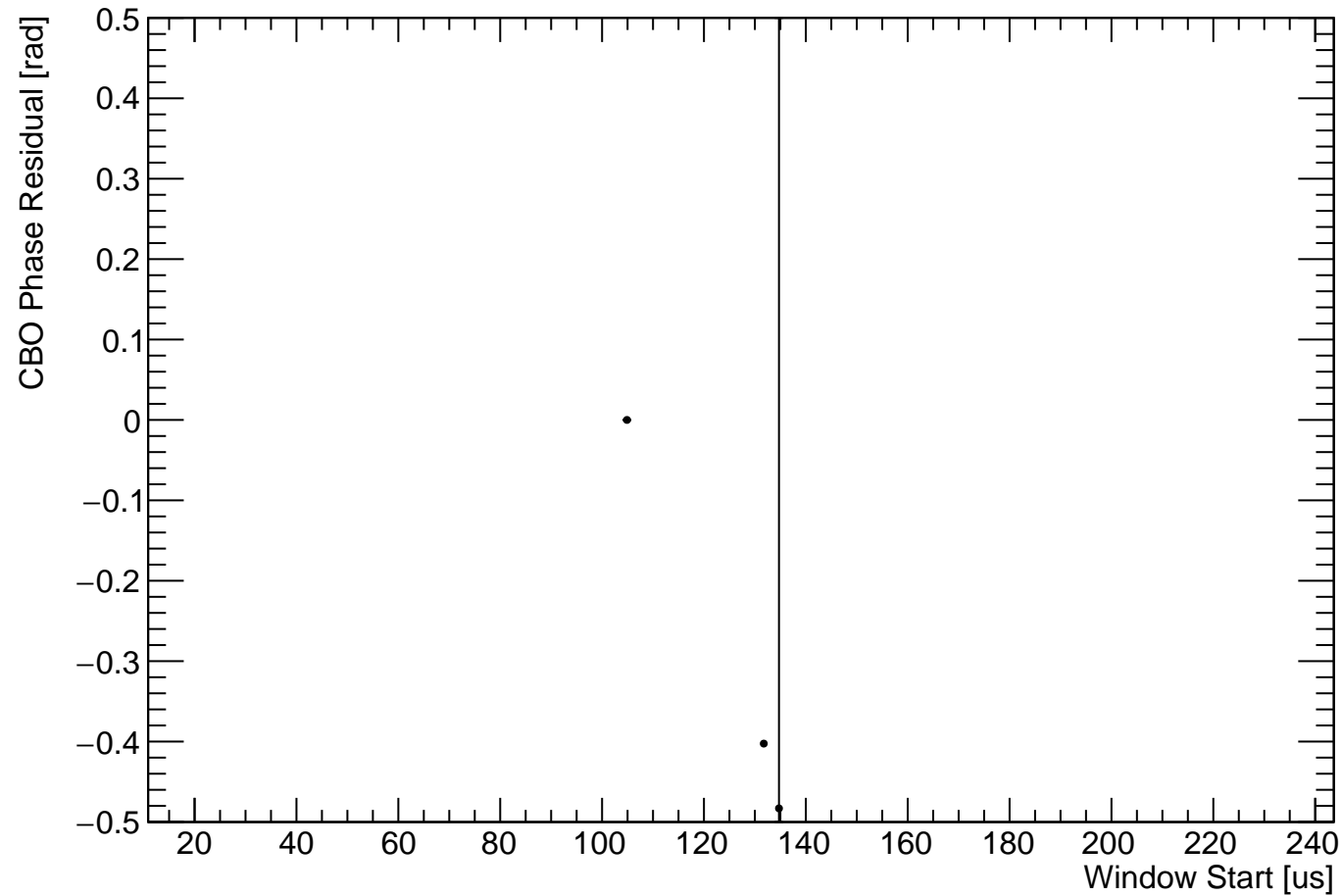




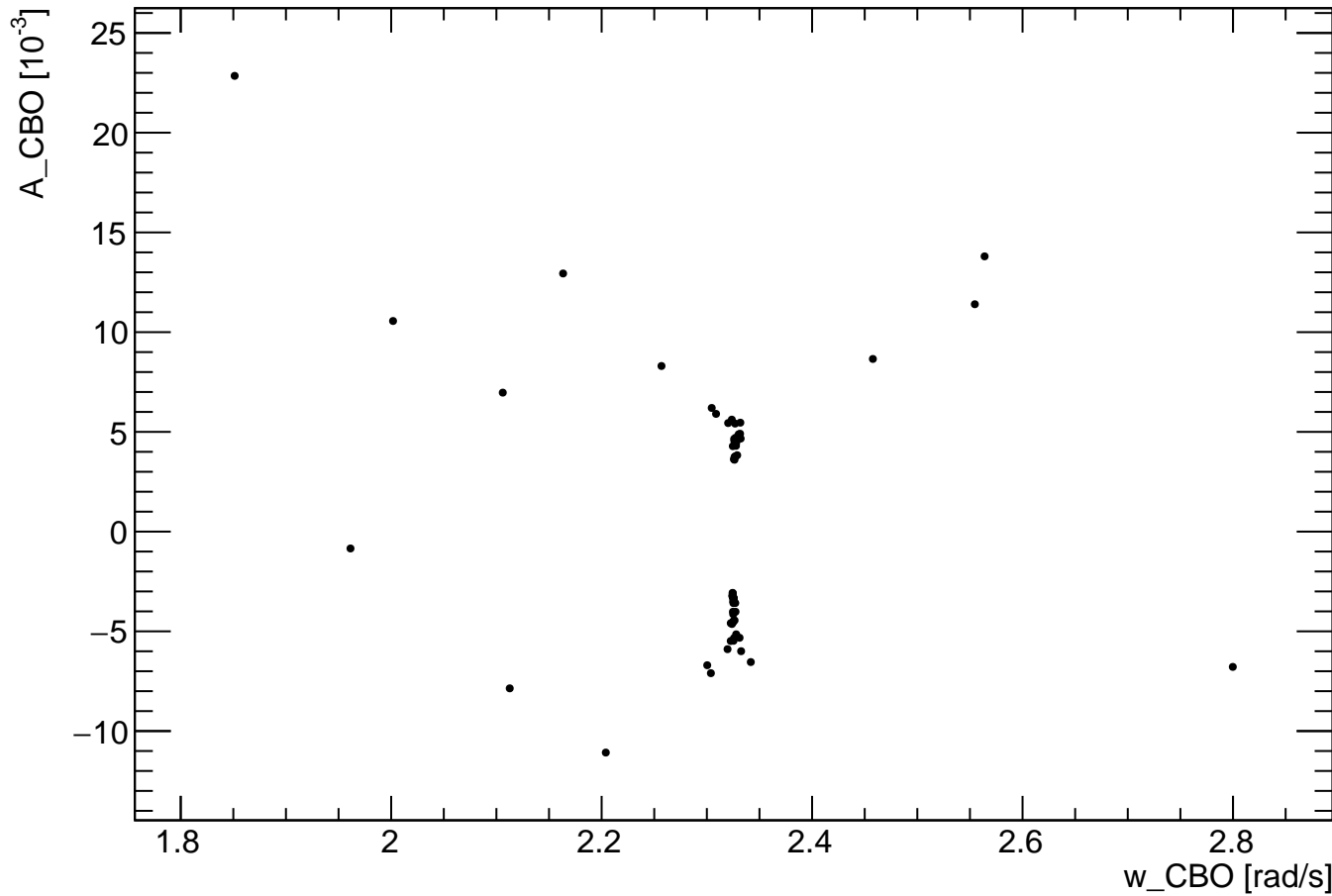
# CBO Phase Advance from Sliding Windows



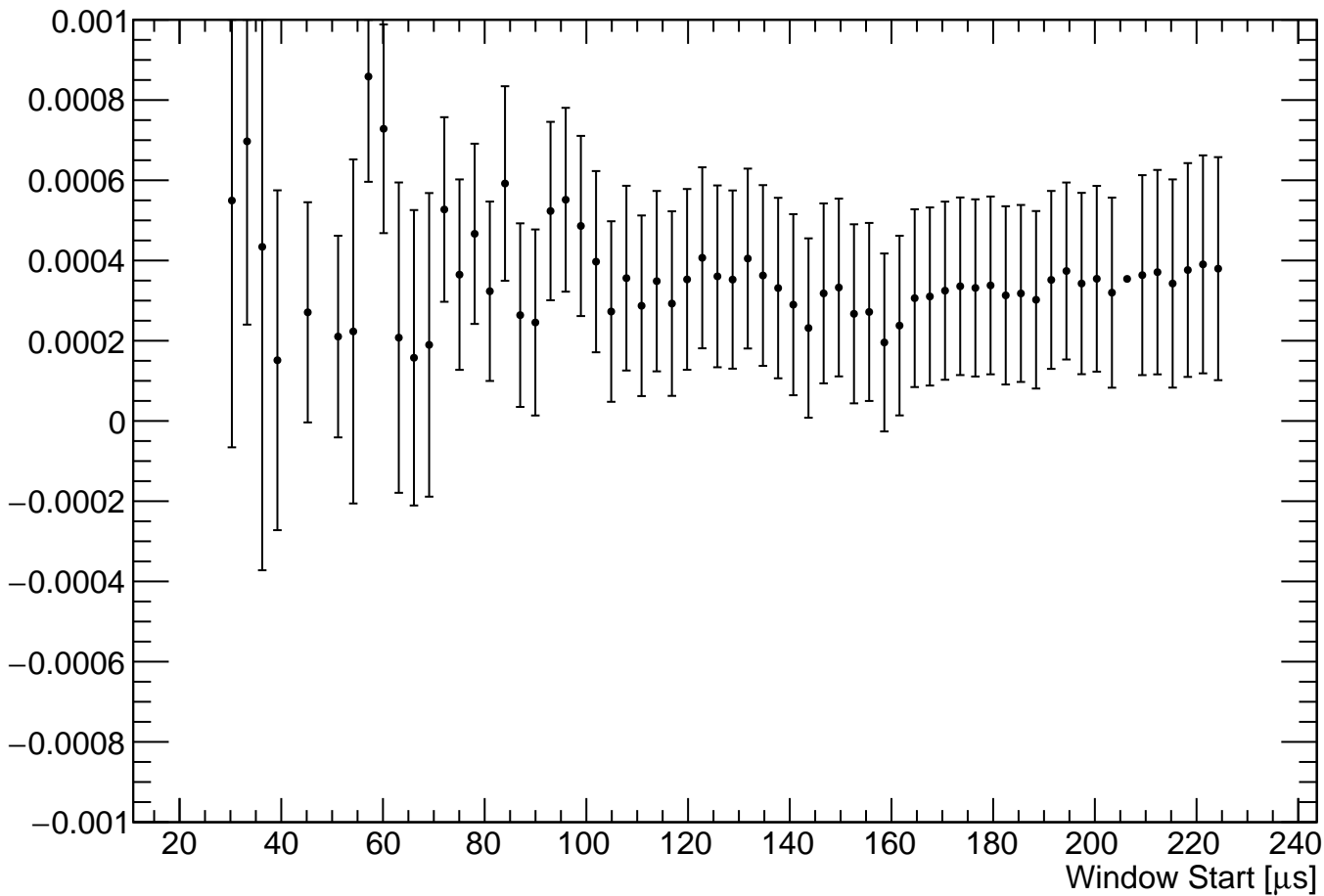
$$(\omega_{\text{CBO}}t - \phi_{\text{CBO}})_{\text{window}} - (\omega_0t - \phi_0)_{\text{late}}$$



w\_CBO vs A\_CBO



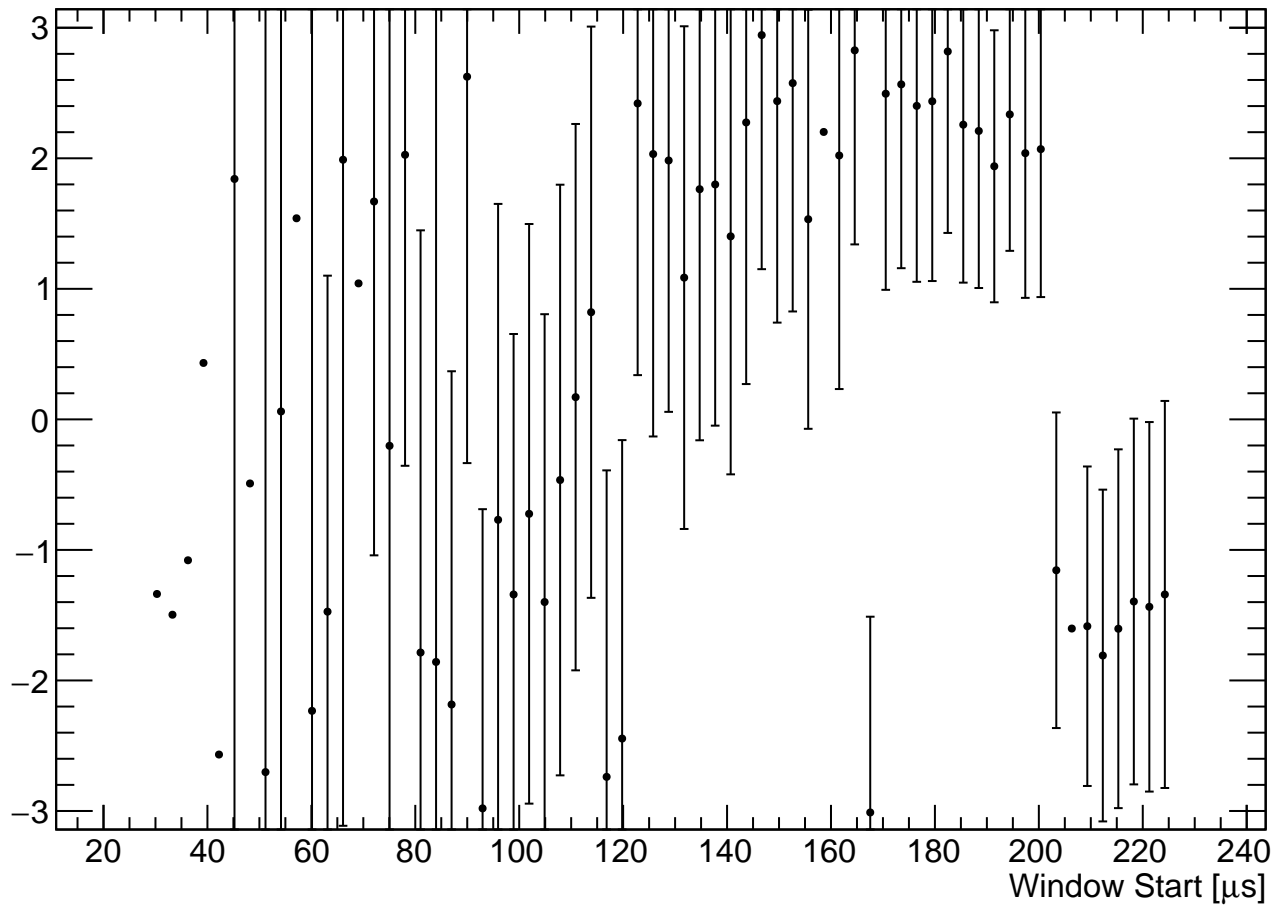
Ax2





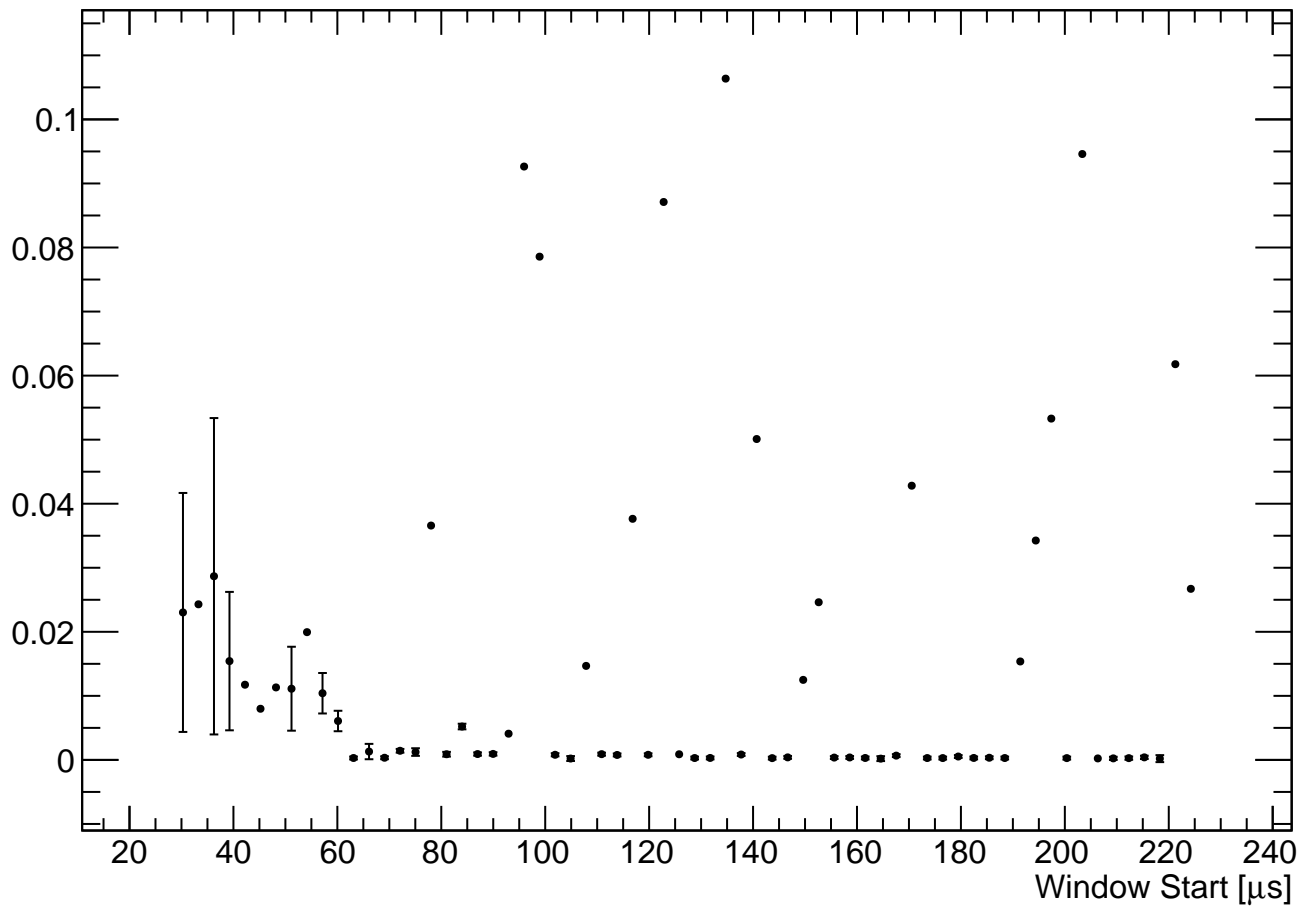
px2

px2 [rad]

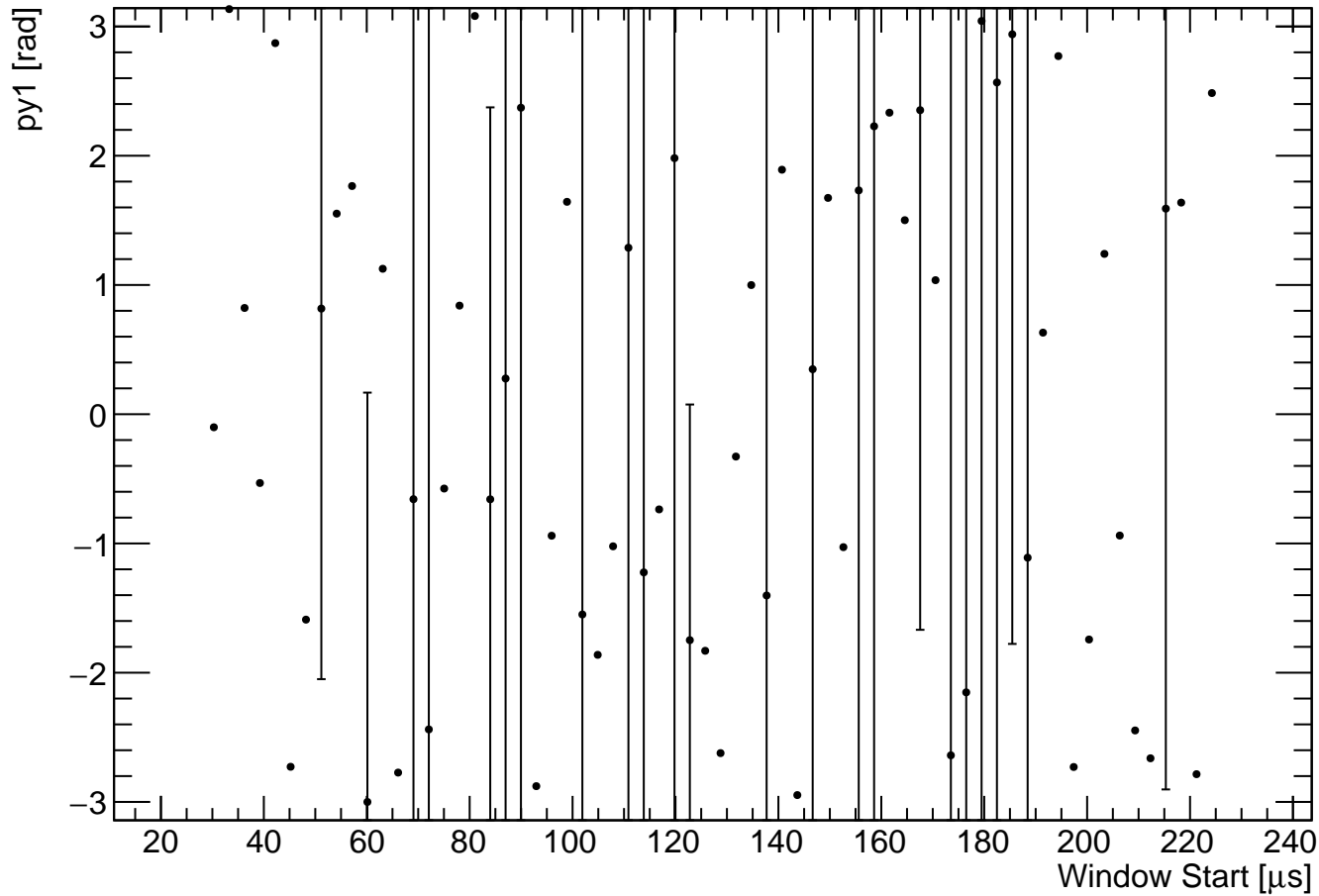


# Ay1

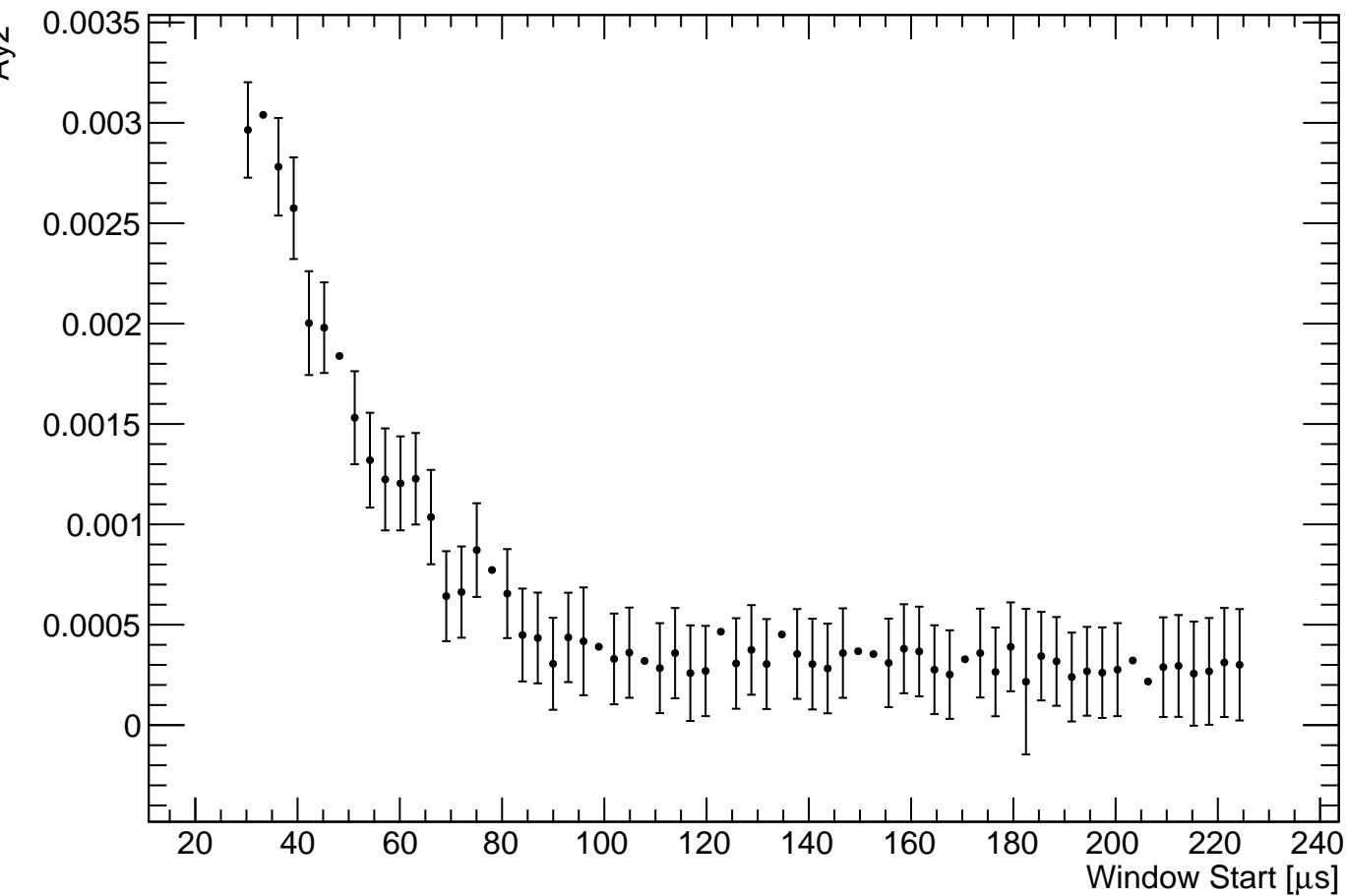
Ay1



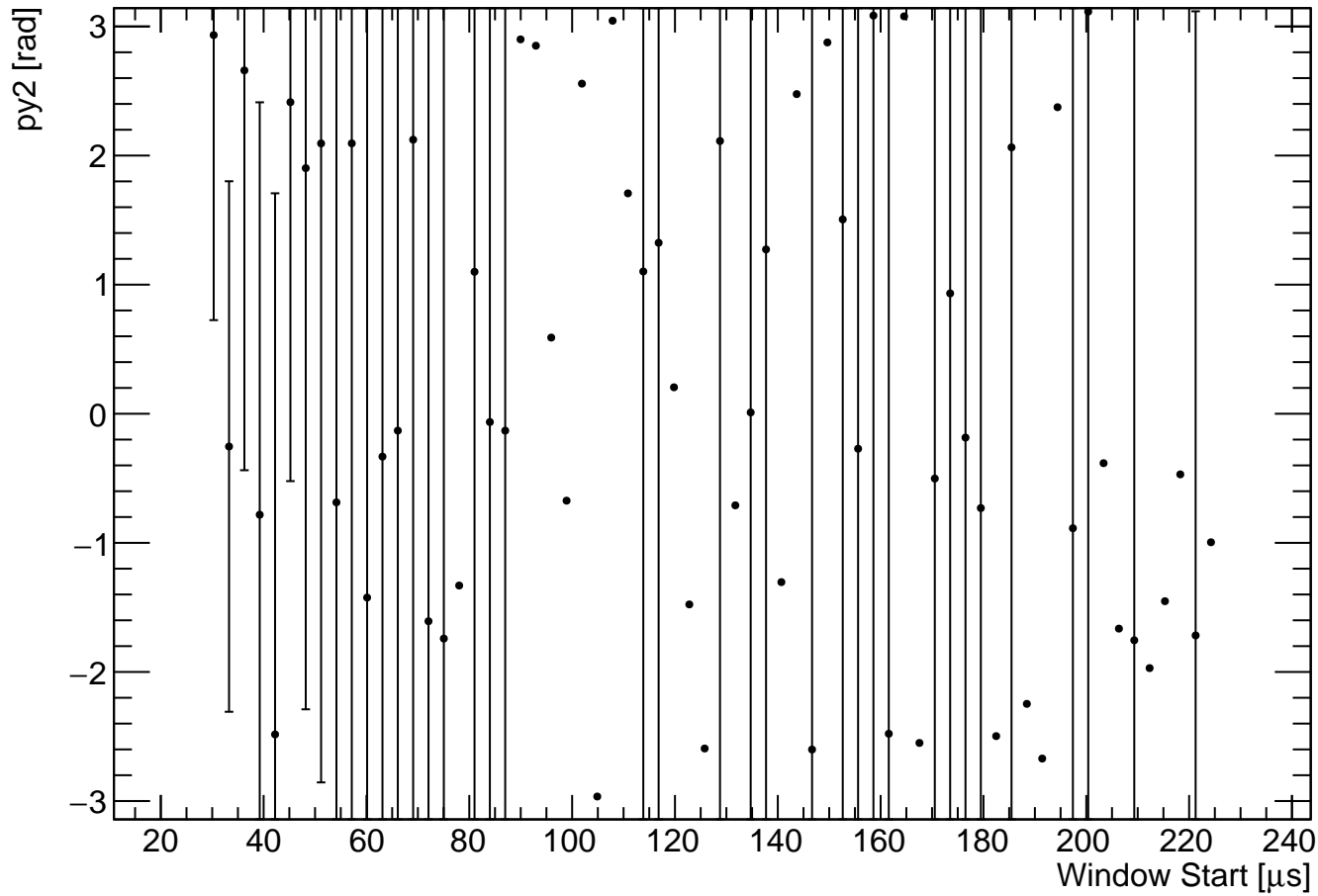
py1



# Ay2

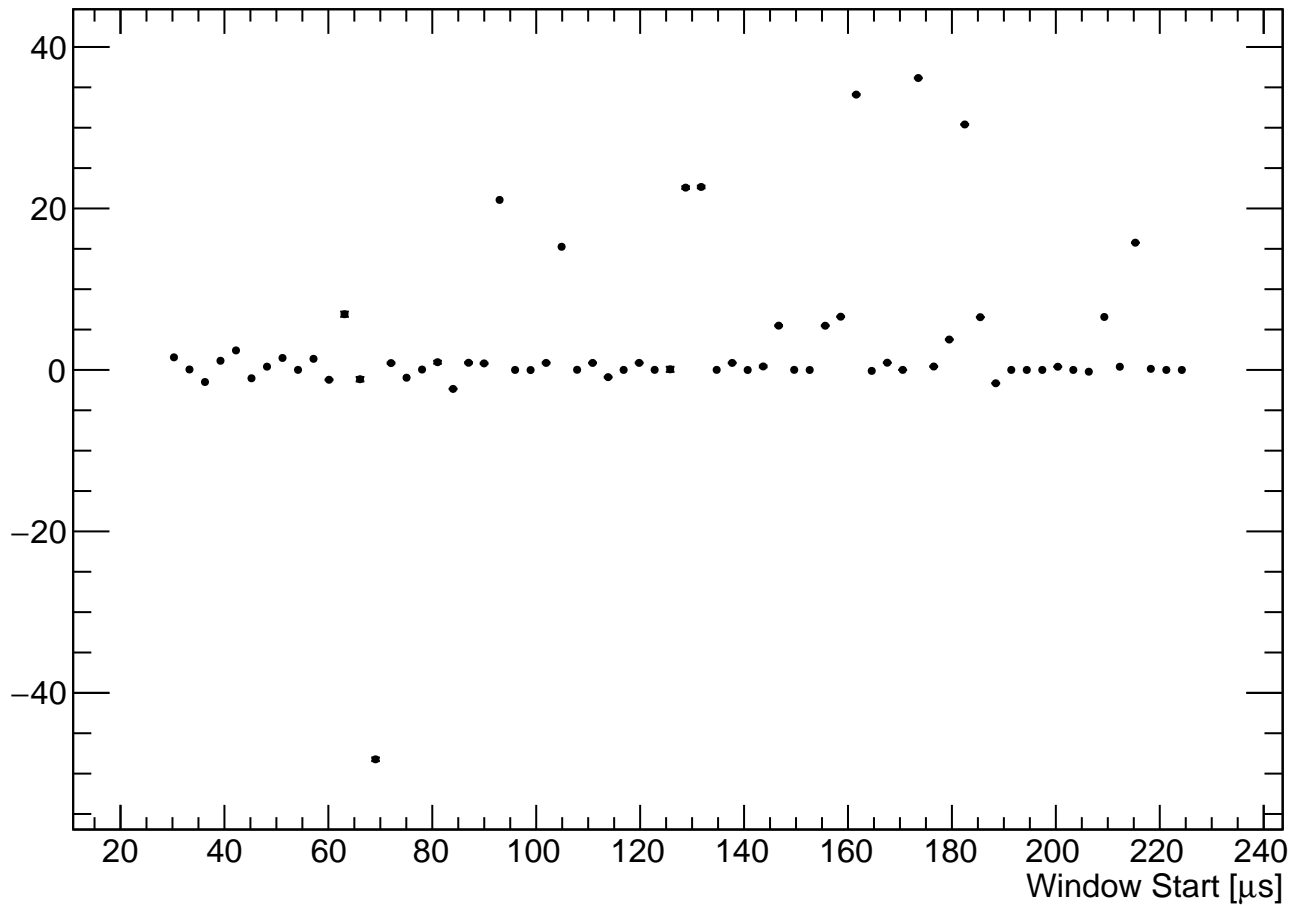


py2



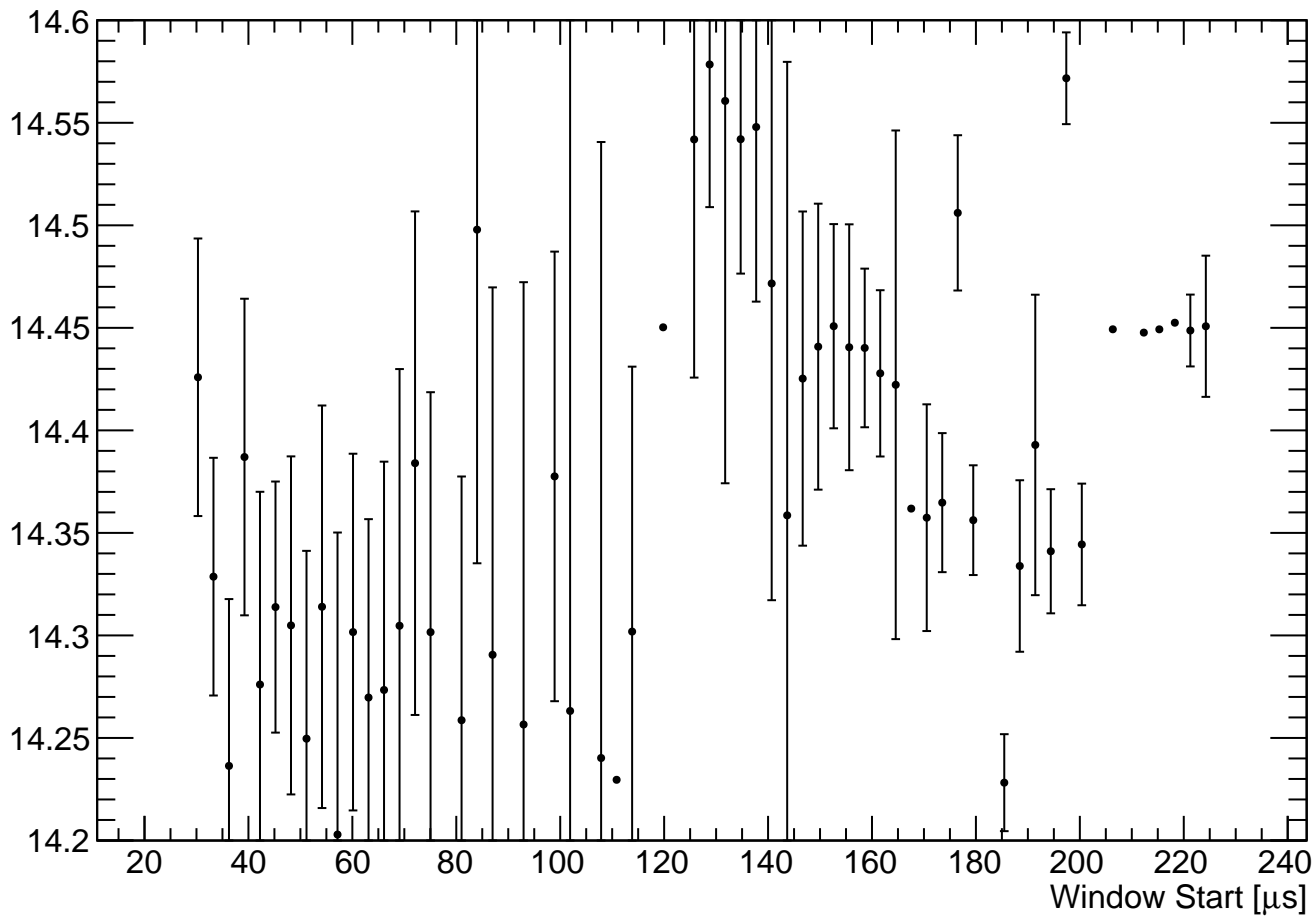
w\_y

w\_y [rad/s]

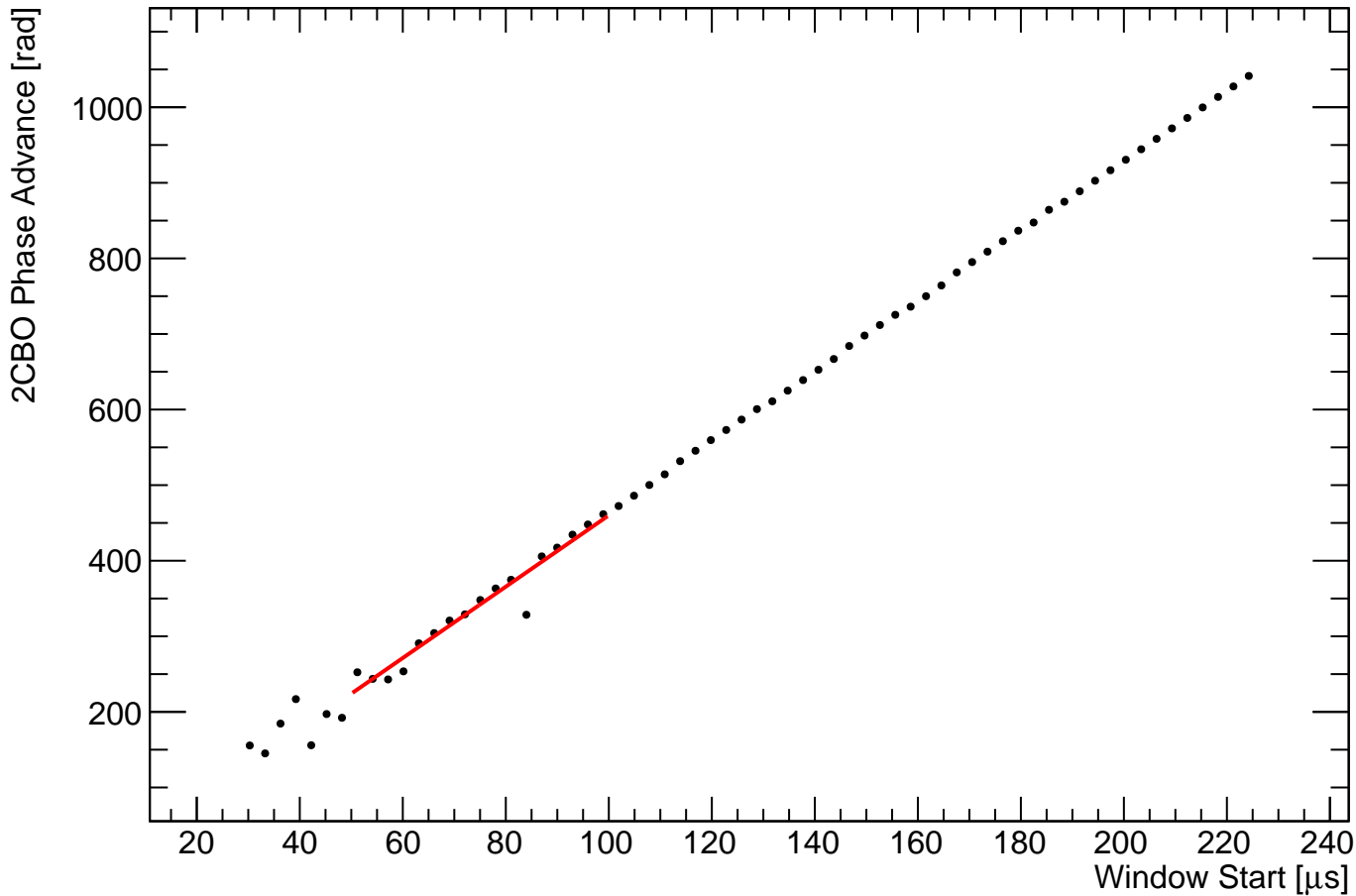


W\_VW

w\_vw [rad/s]

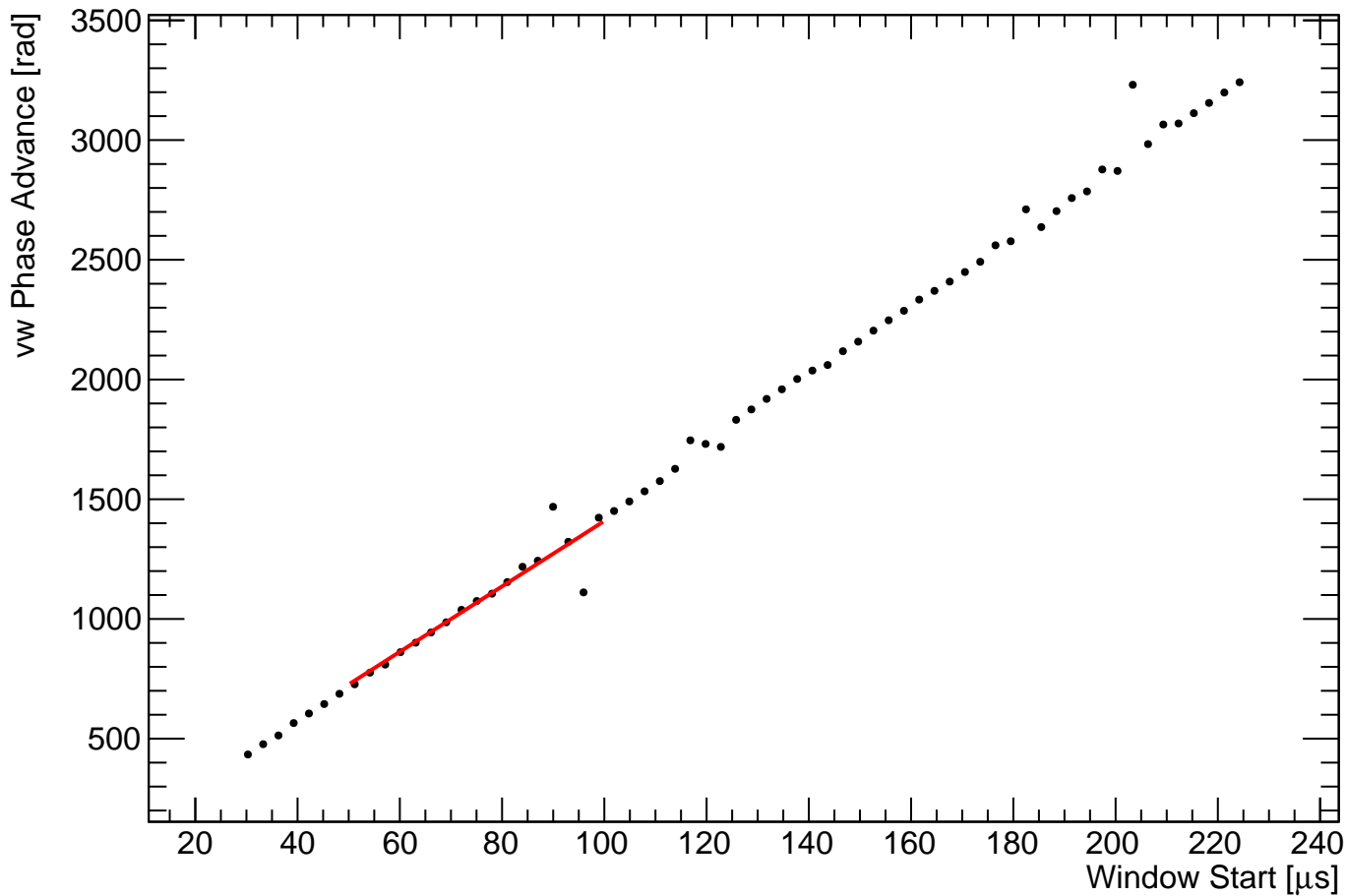


## 2CBO Phase Advance

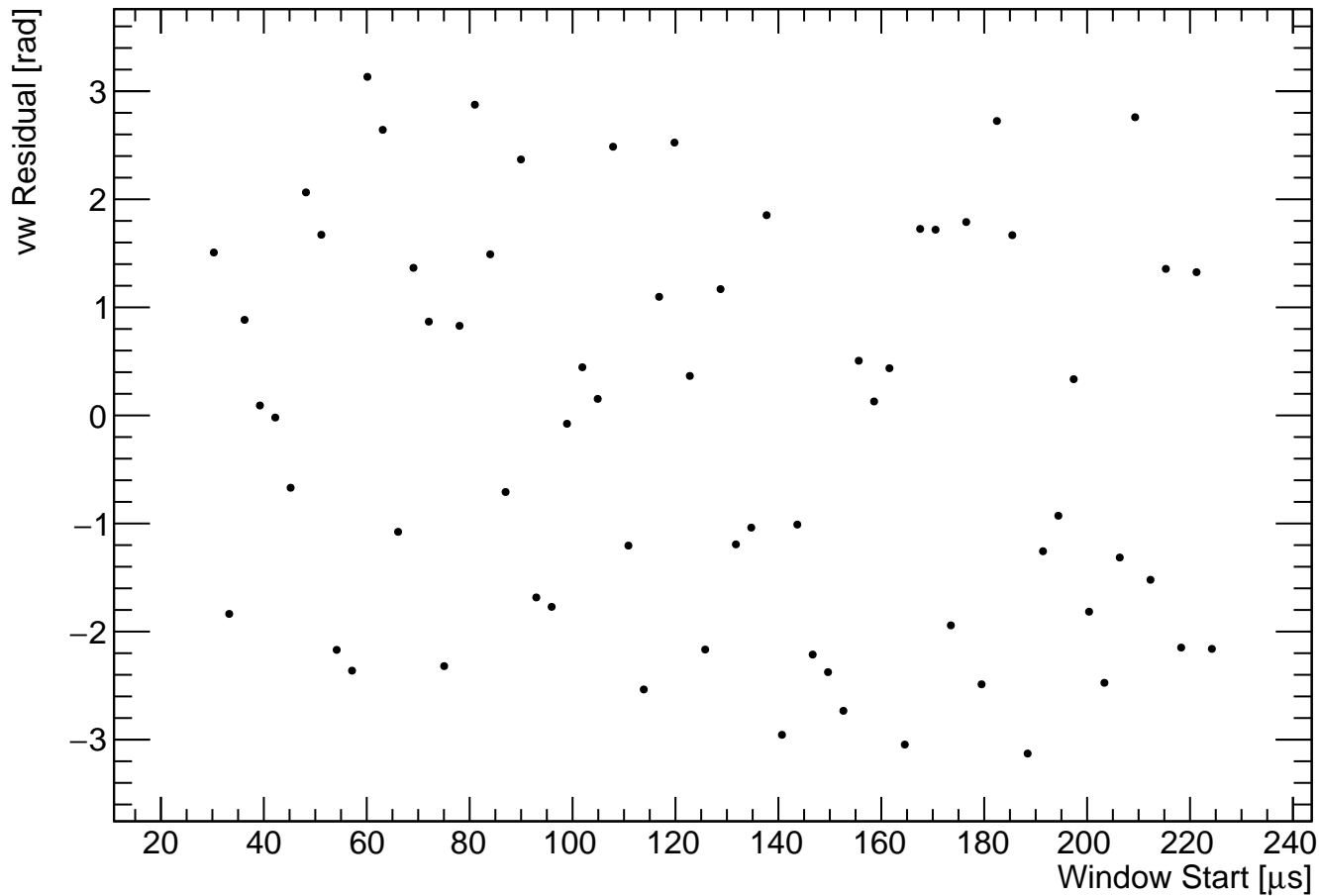


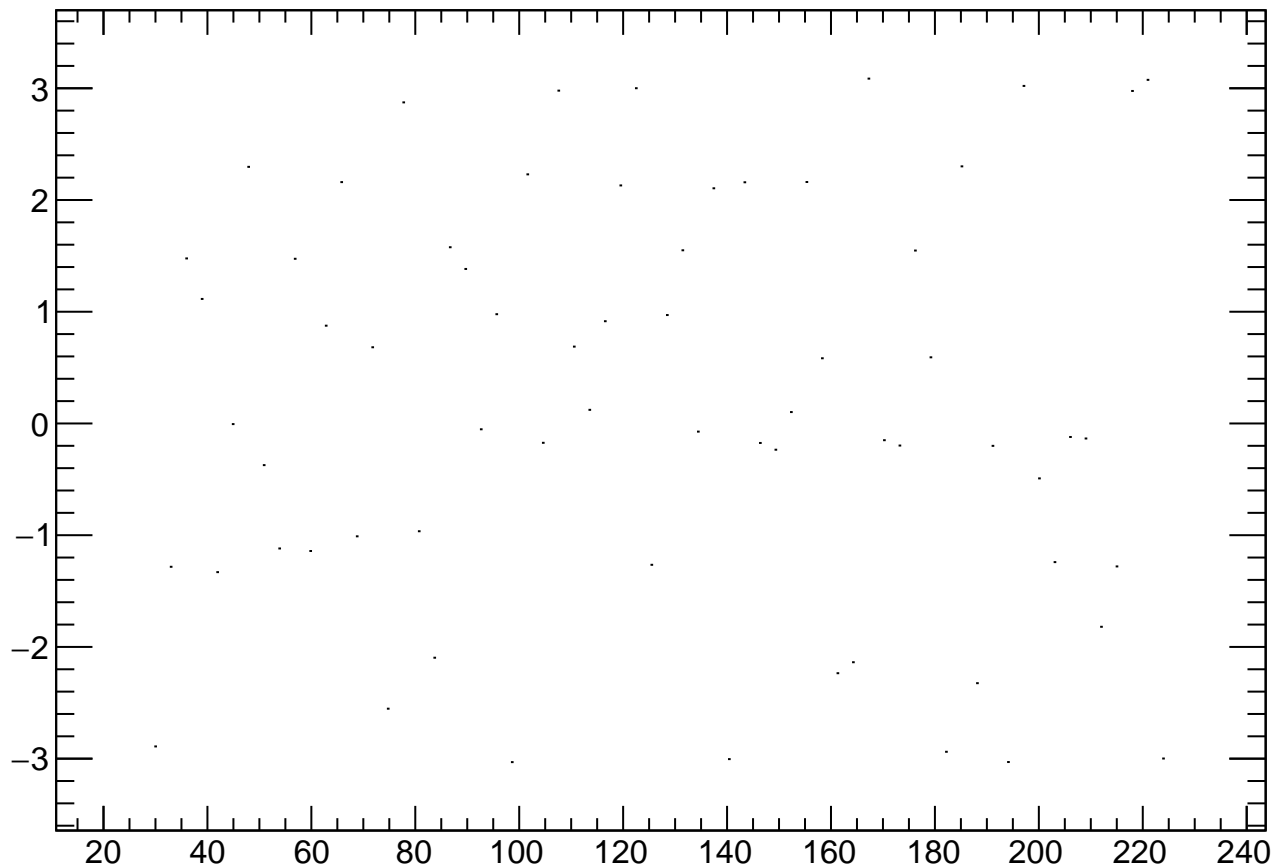


# vw Phase Advance



# vw Phase Advance Residual





# 2CBO Phase Advance Residual

