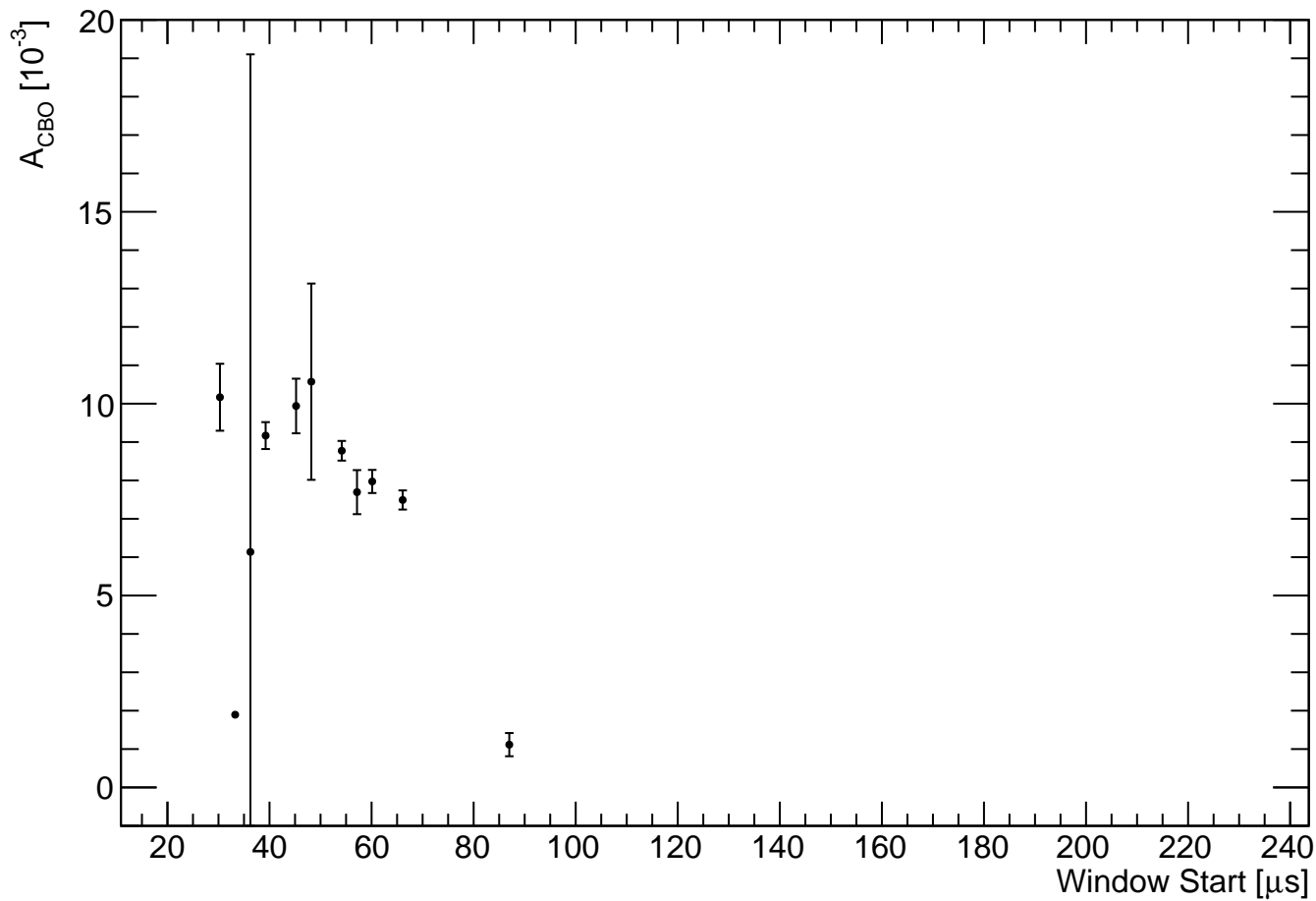
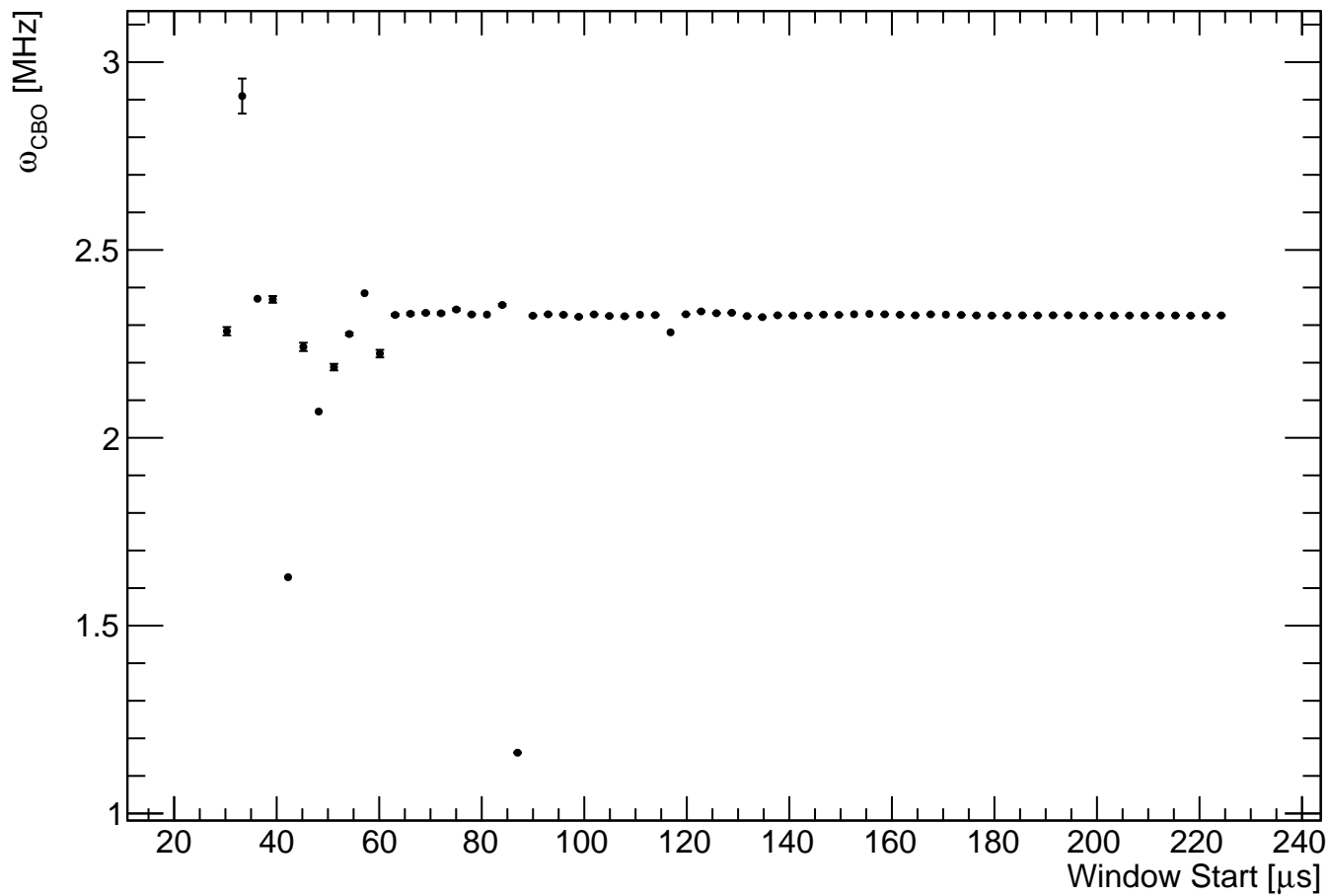


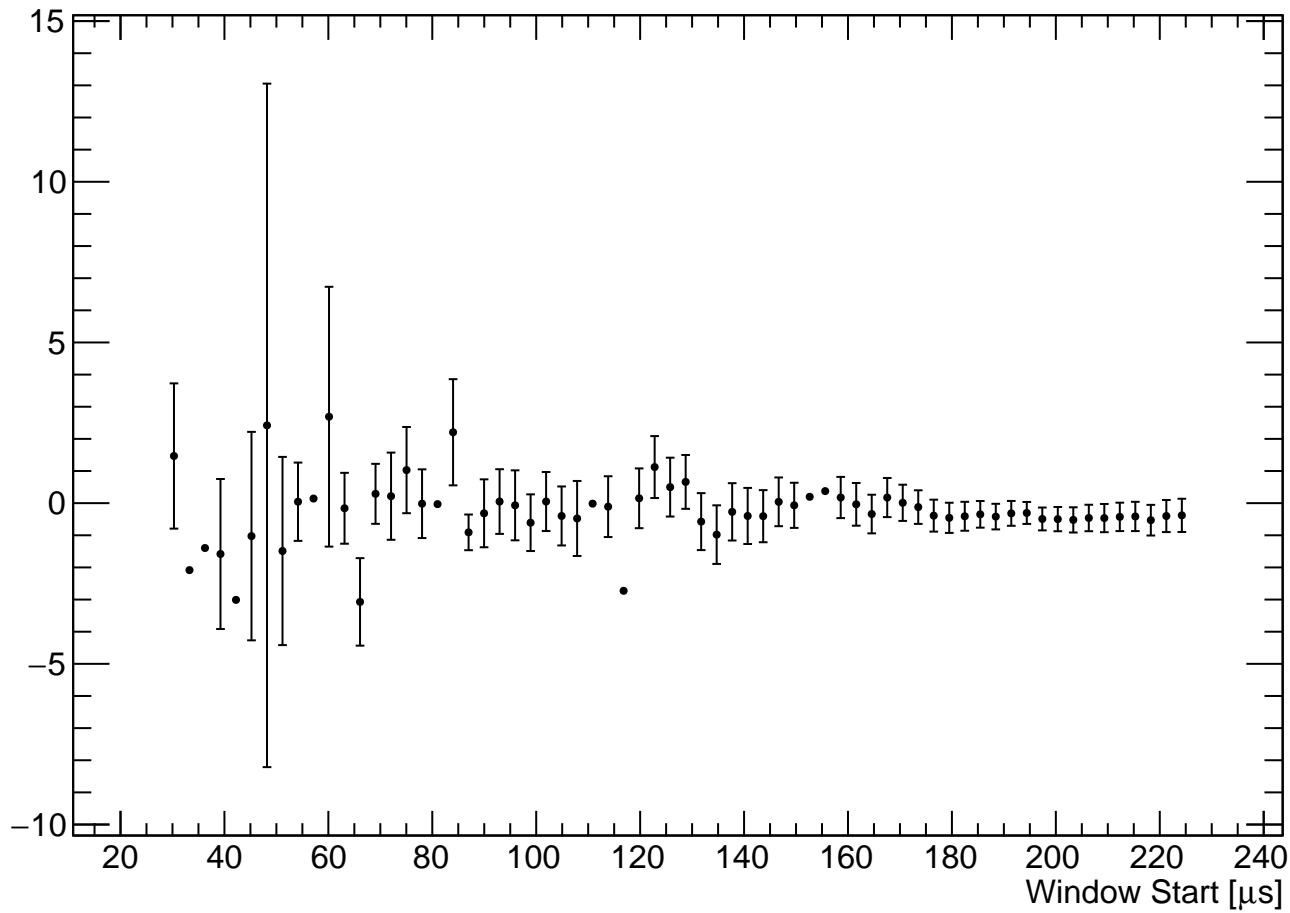
A\_CBO v time

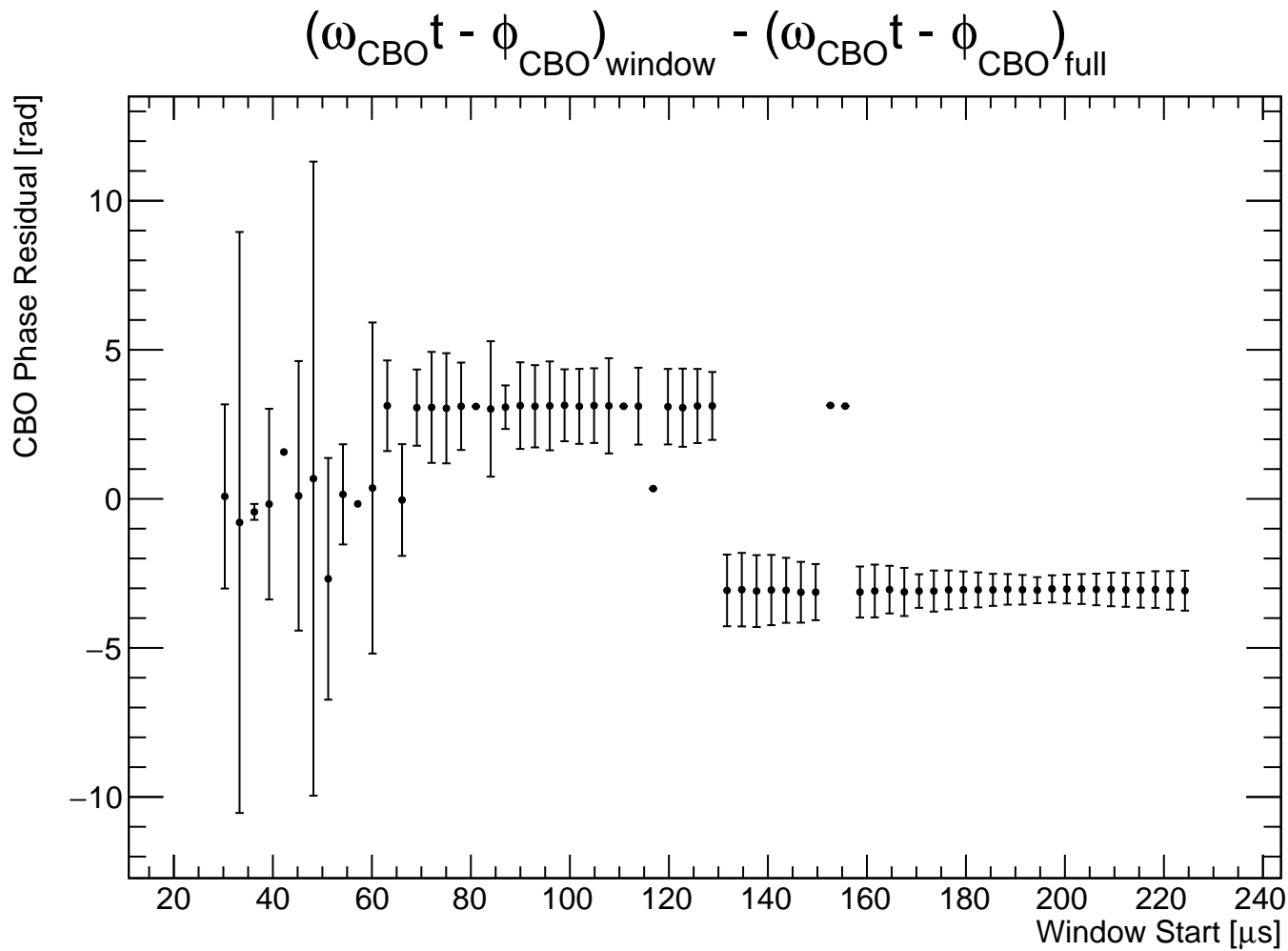


w\_CBO v time

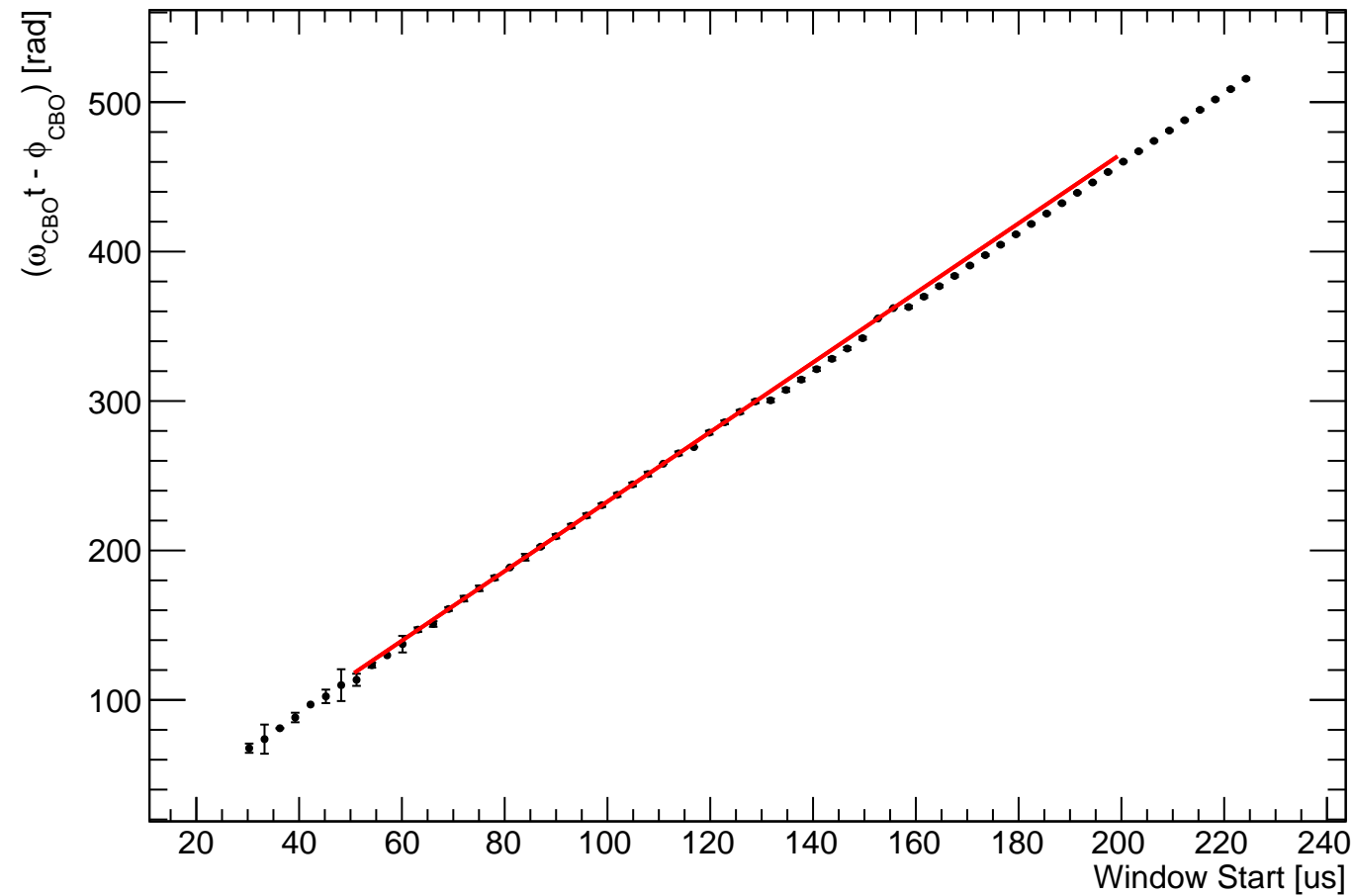


p\_CBO v time



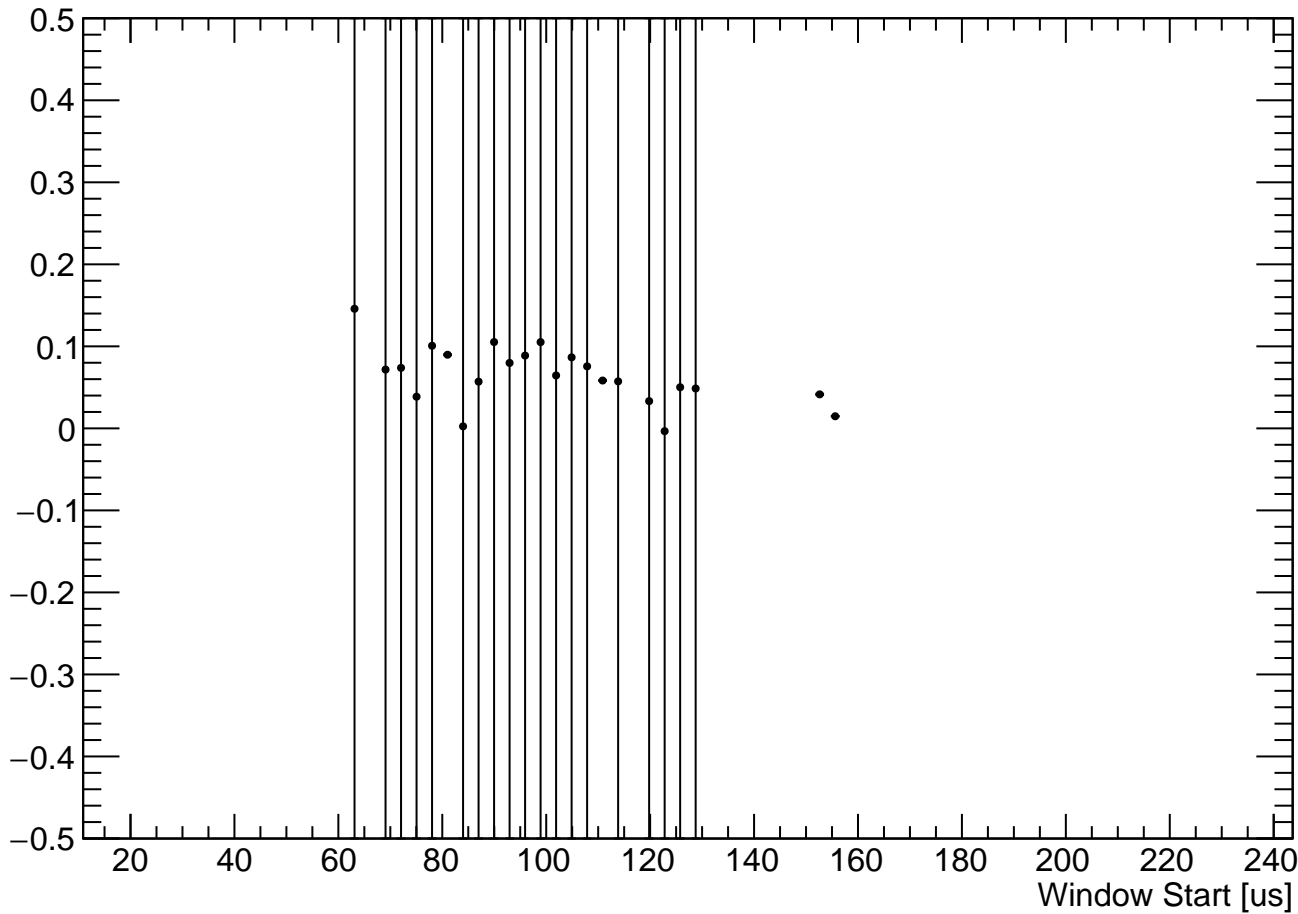


# CBO Phase Advance from Sliding Windows

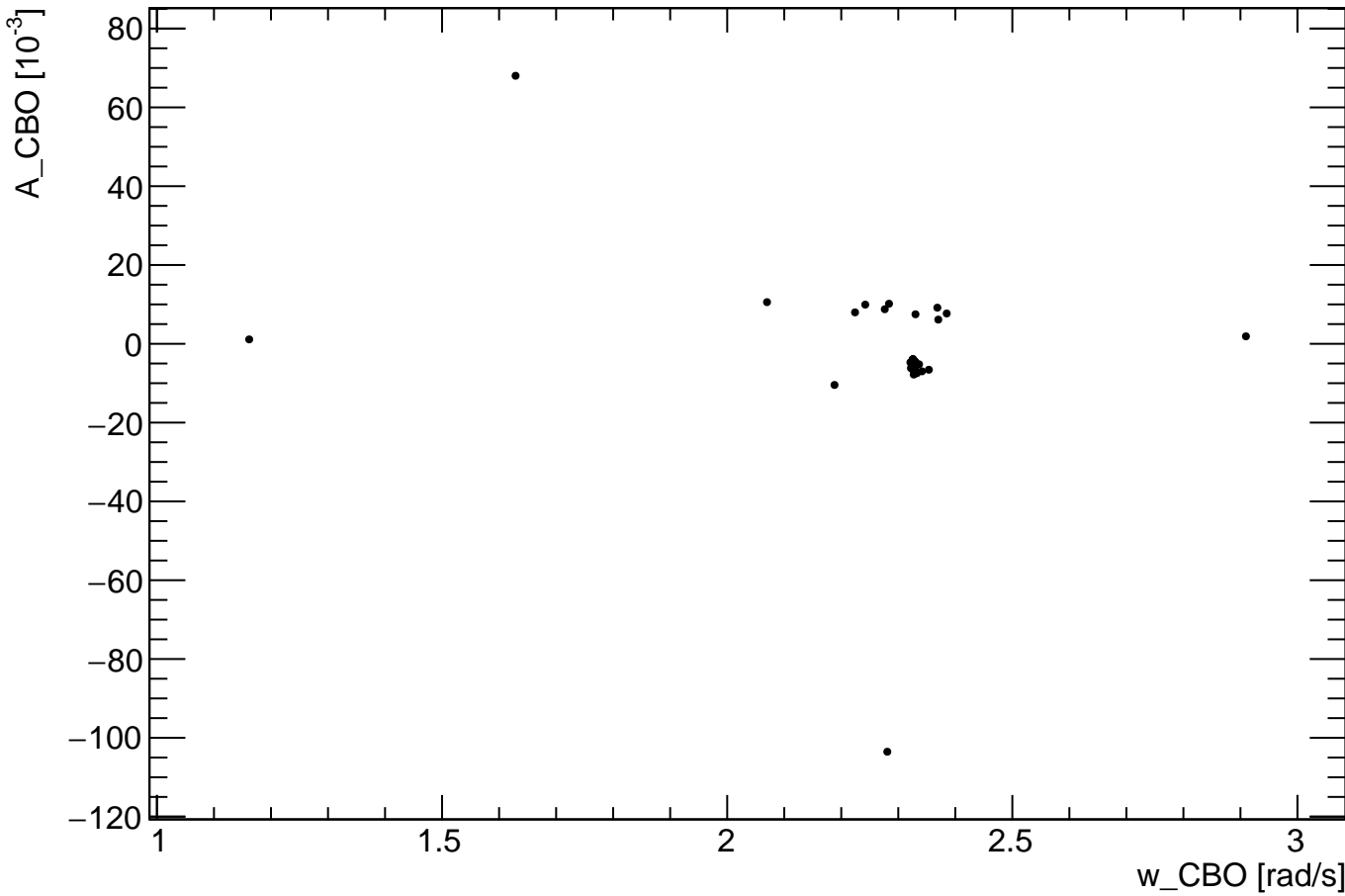


$$(\omega_{\text{CBO}}t - \phi_{\text{CBO}})_{\text{window}} - (\omega_0t - \phi_0)_{\text{late}}$$

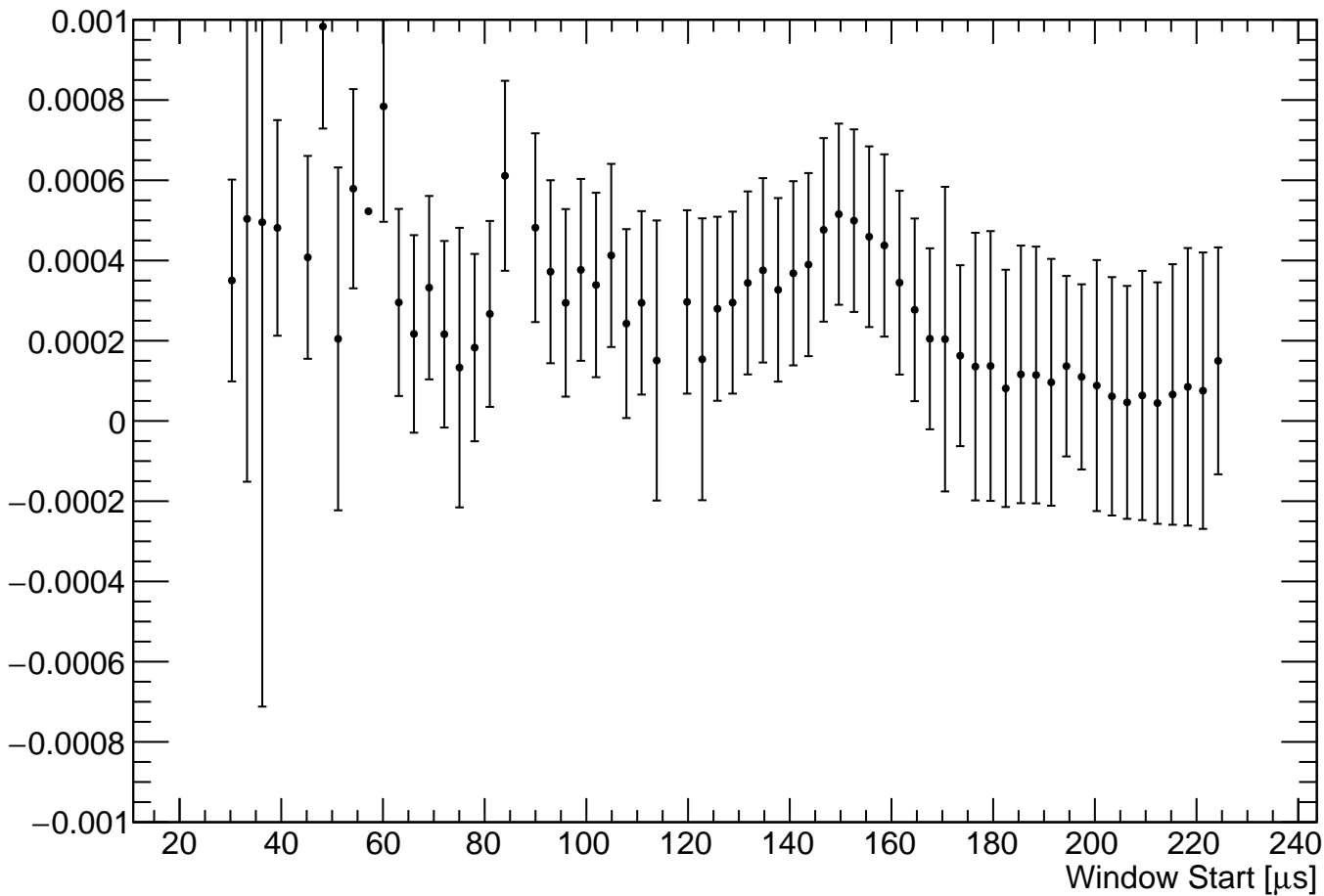
CBO Phase Residual [rad]



w\_CBO vs A\_CBO

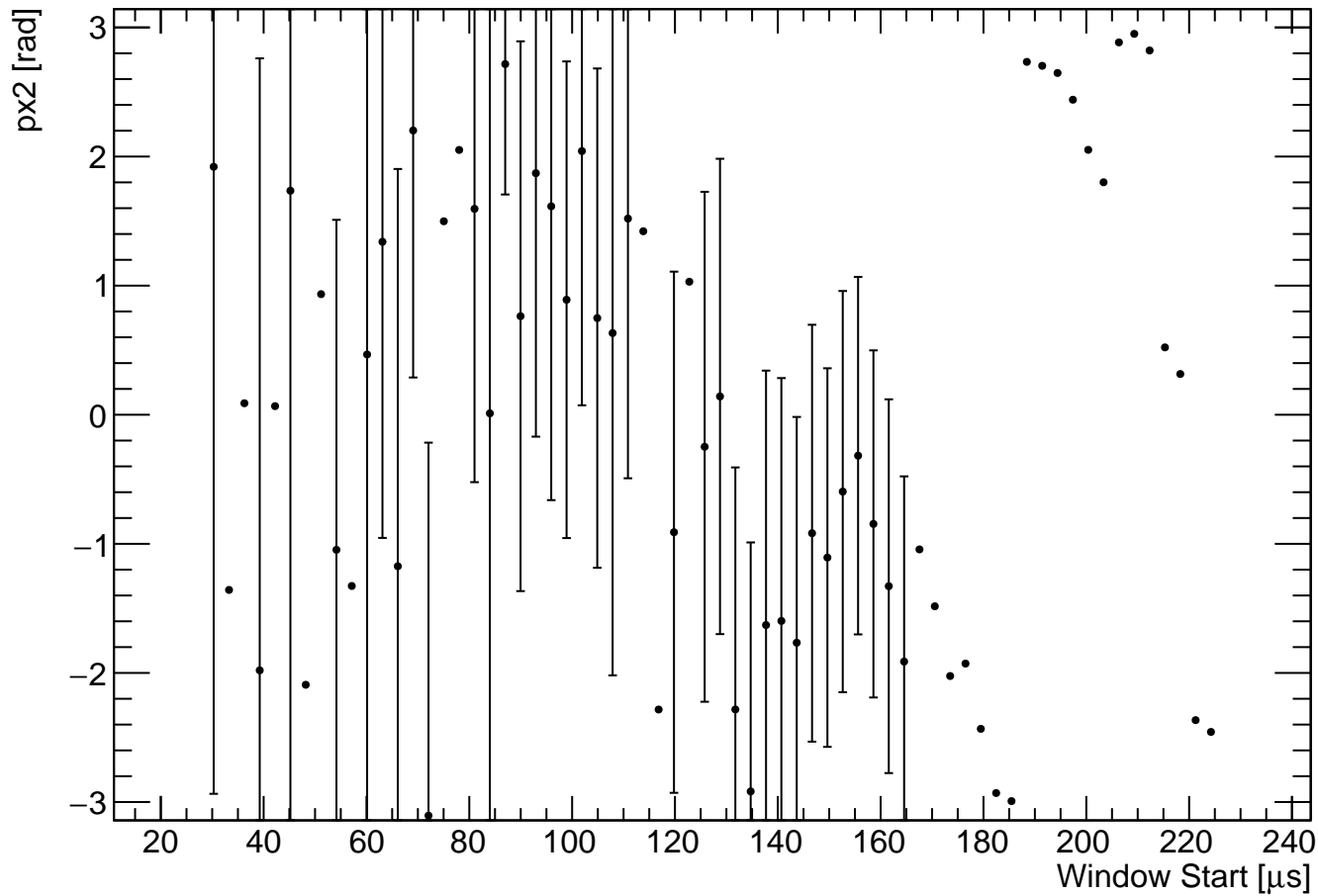


Ax2

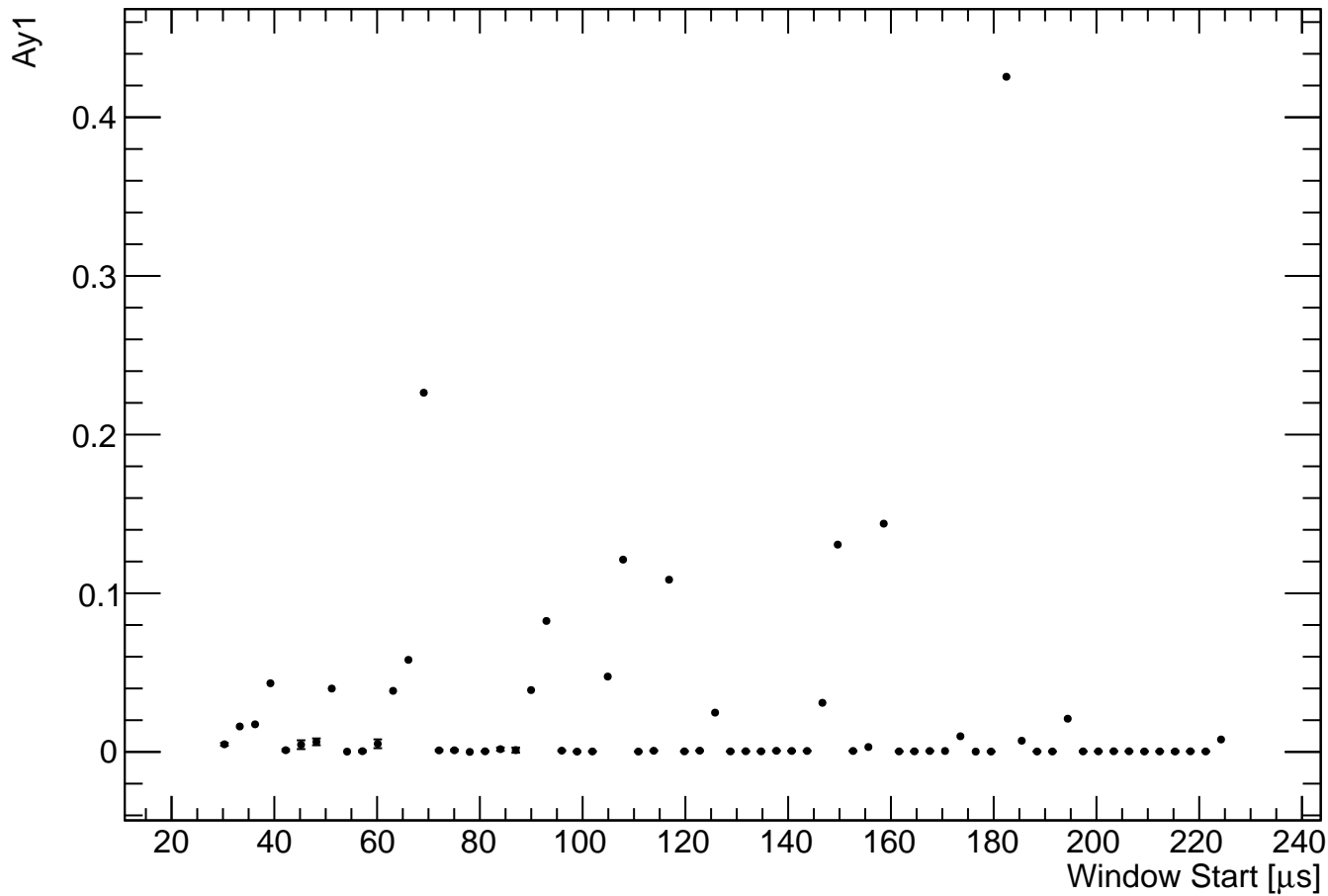




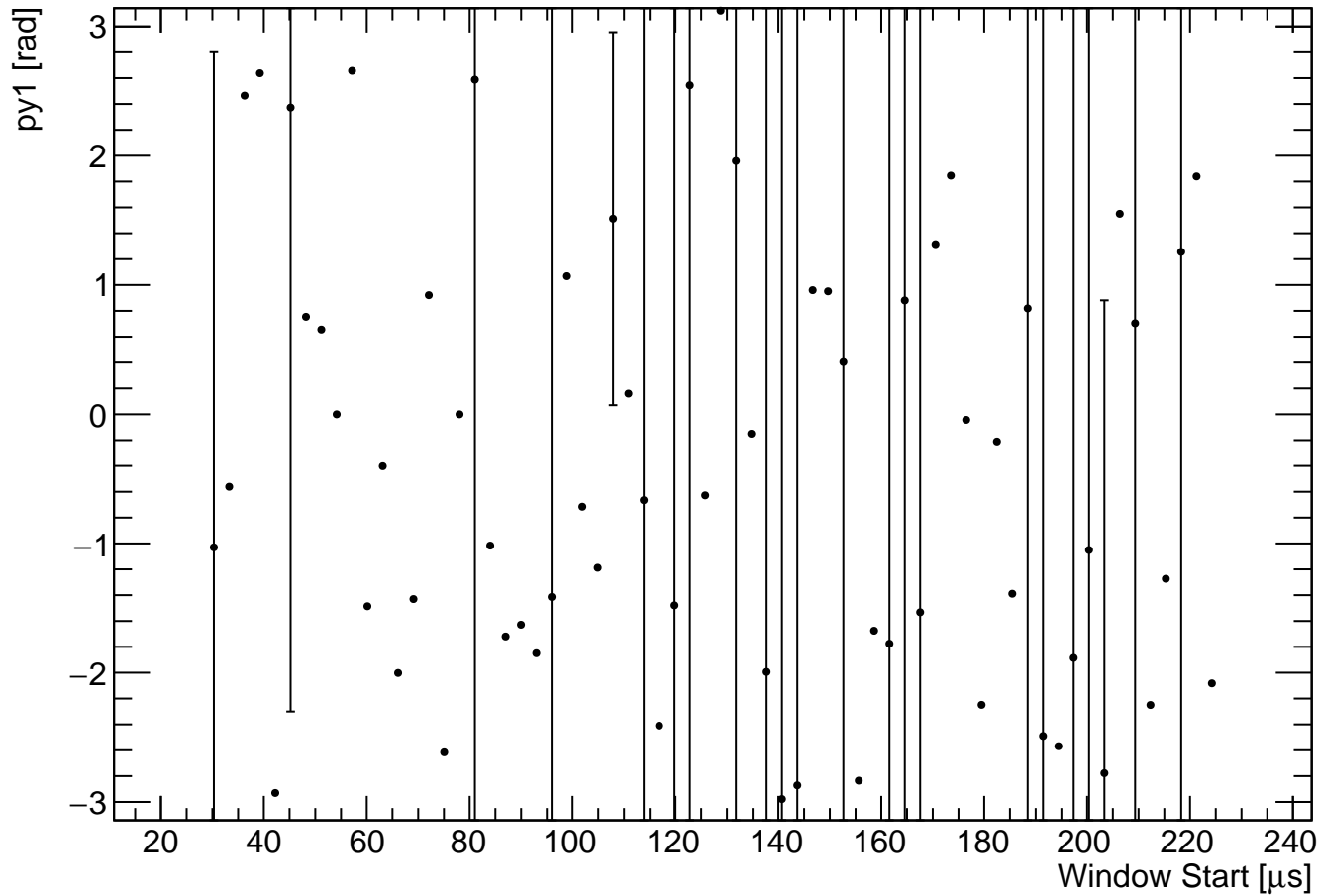
px2



# Ay1



py1



# Ay2

Ay2

0.04

0.03

0.02

0.01

0

20

40

60

80

100

120

140

160

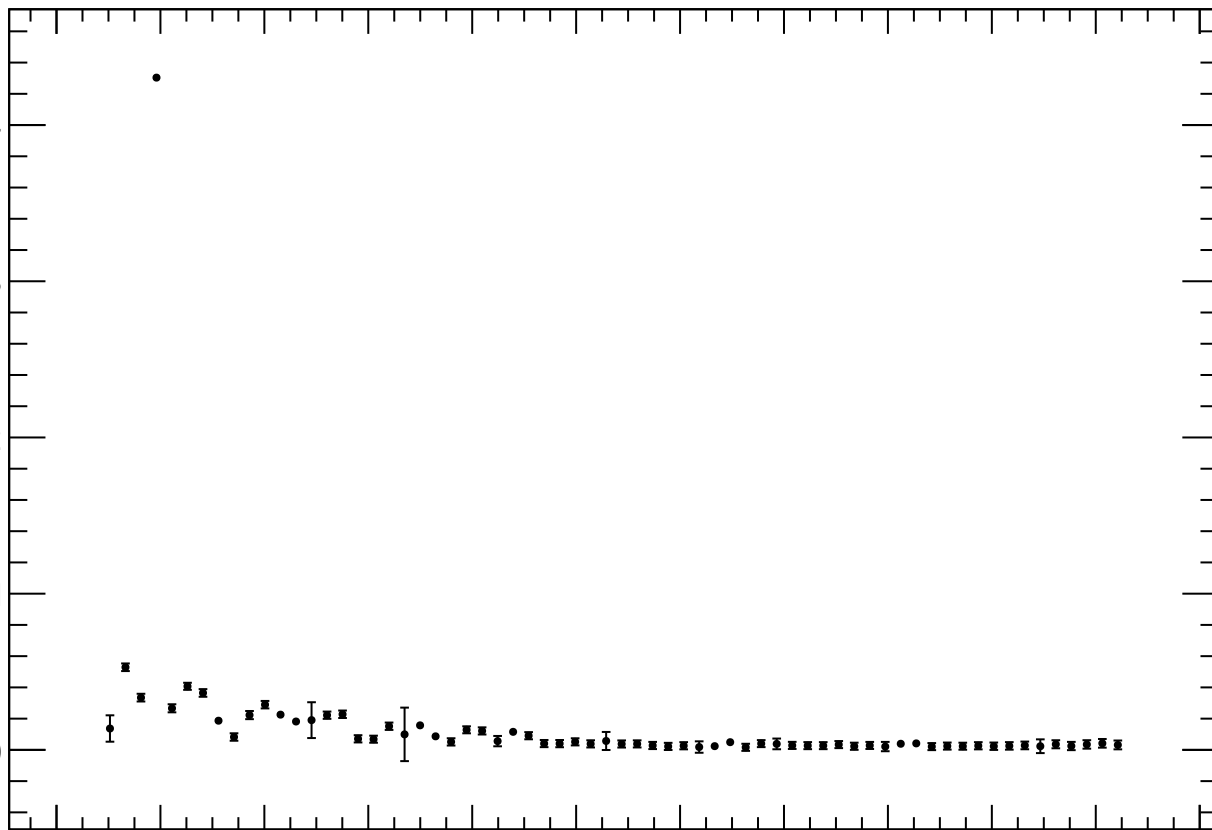
180

200

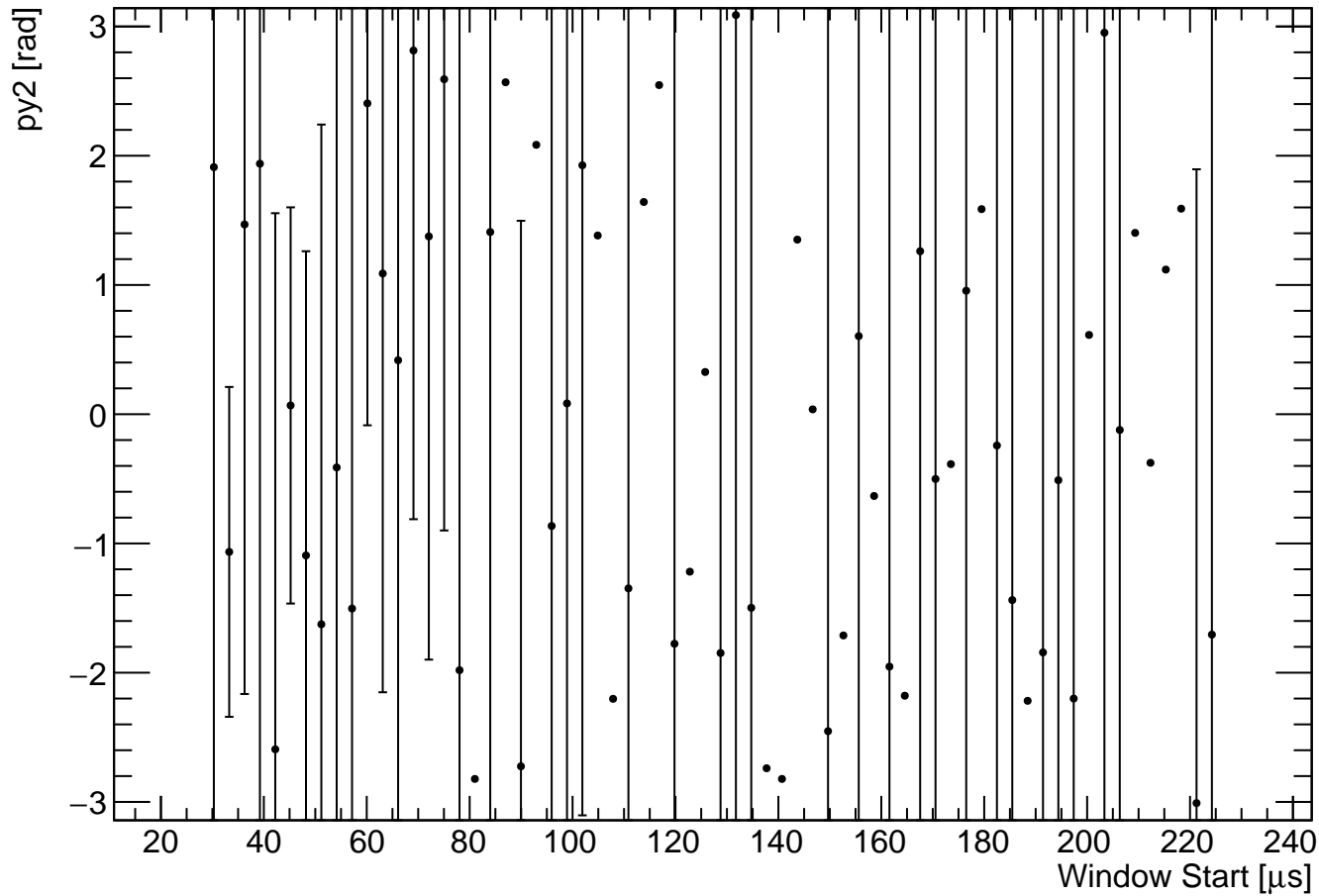
220

240

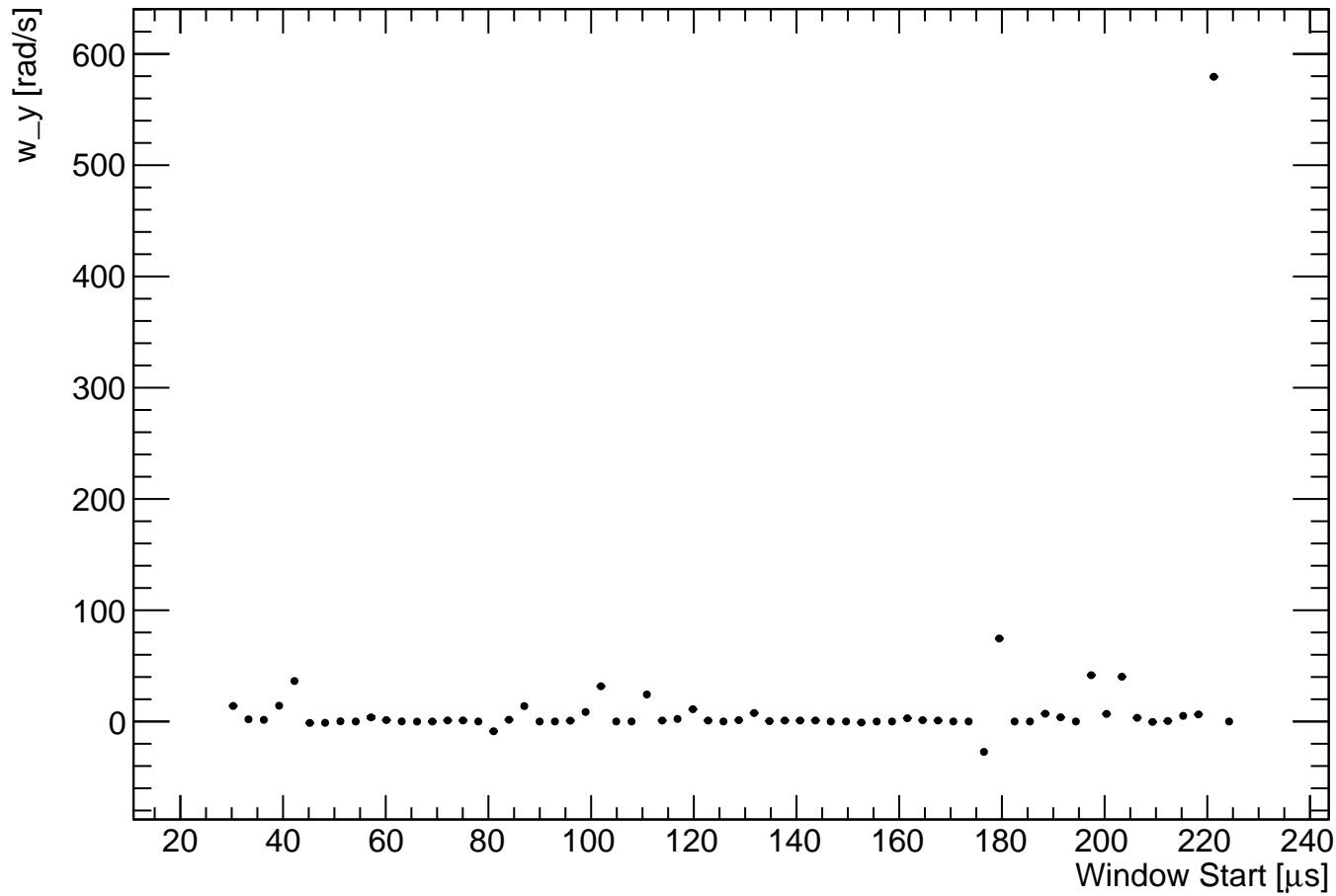
Window Start [ $\mu$ s]



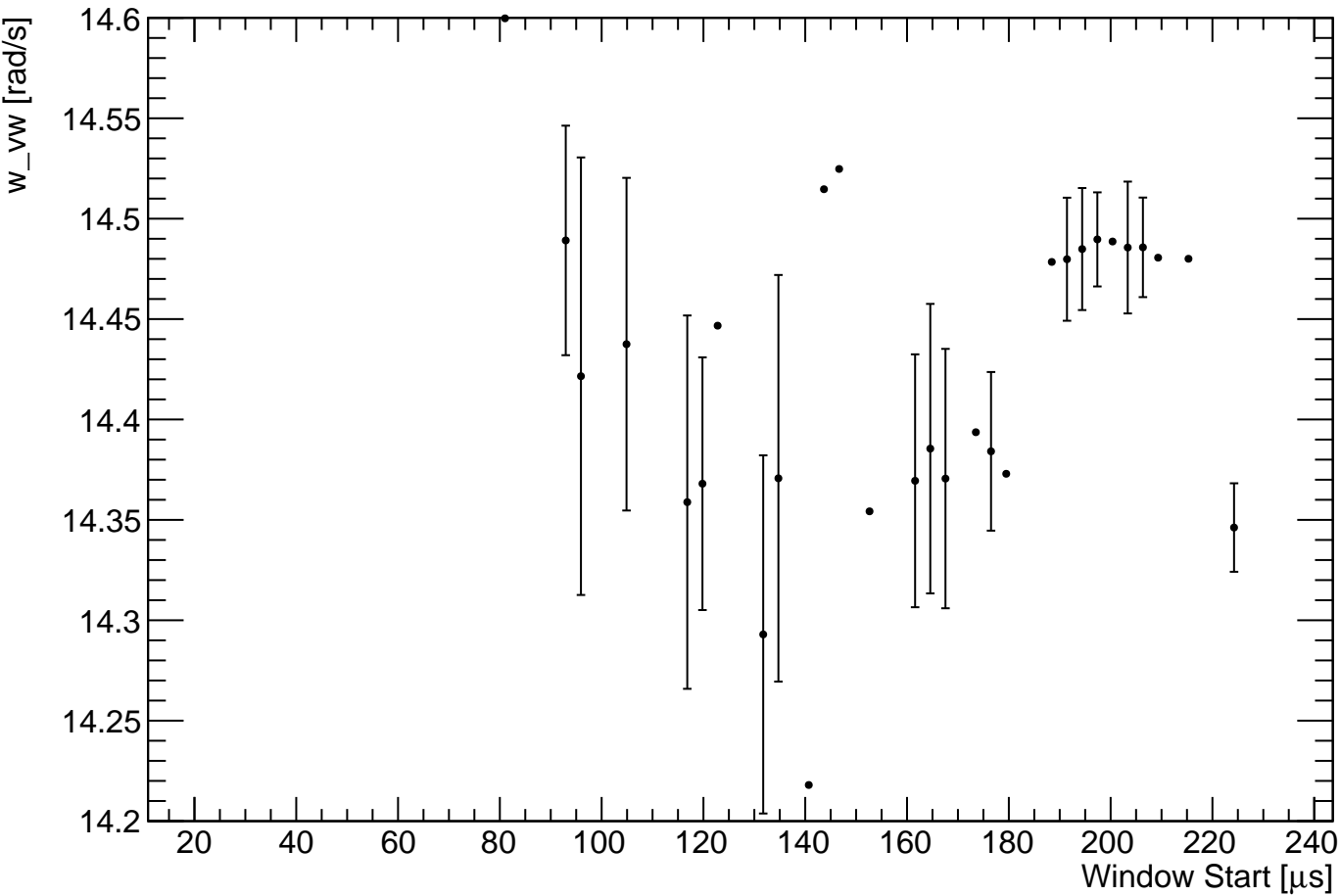
py2



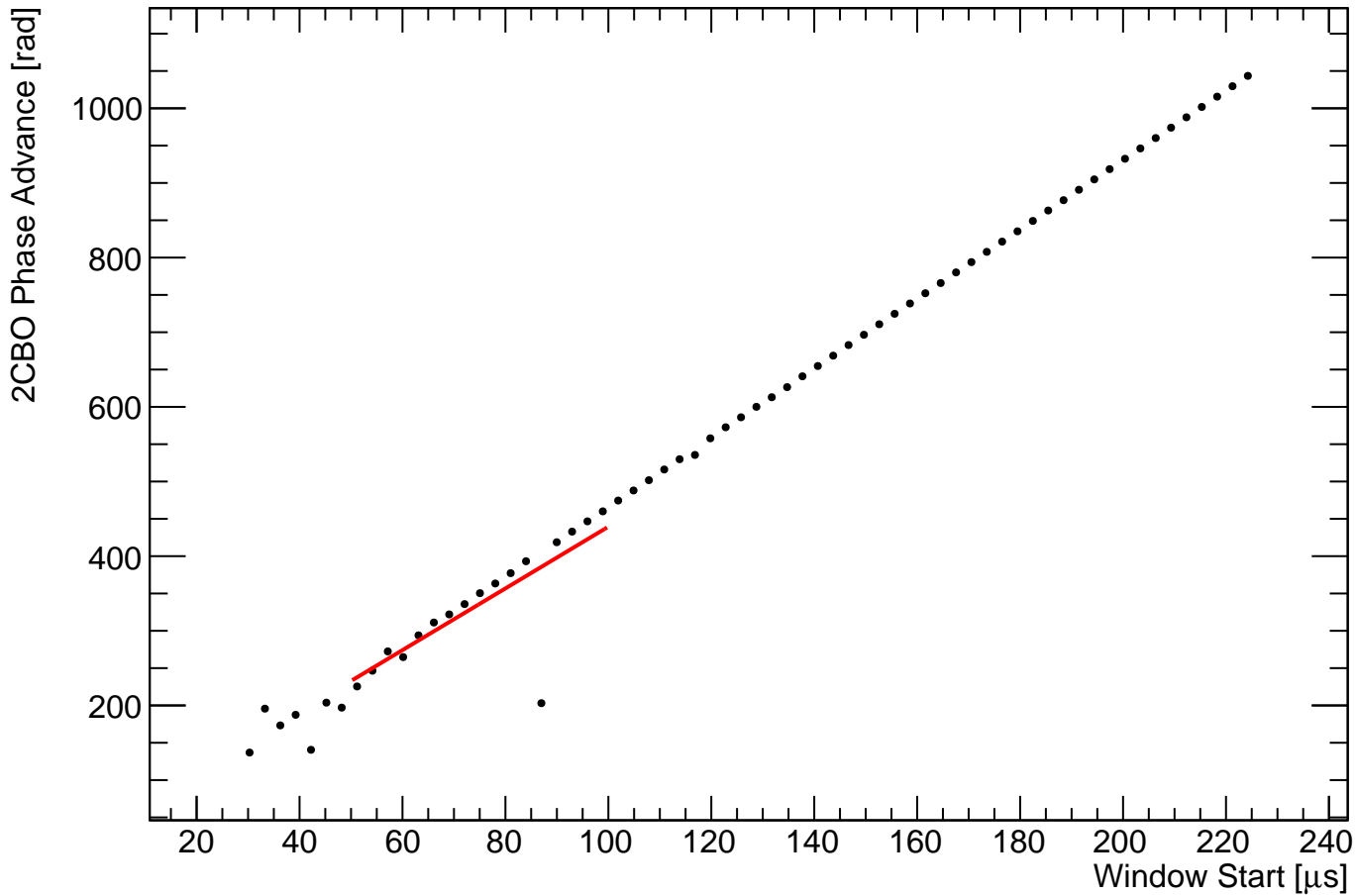
$w_y$



W\_VW

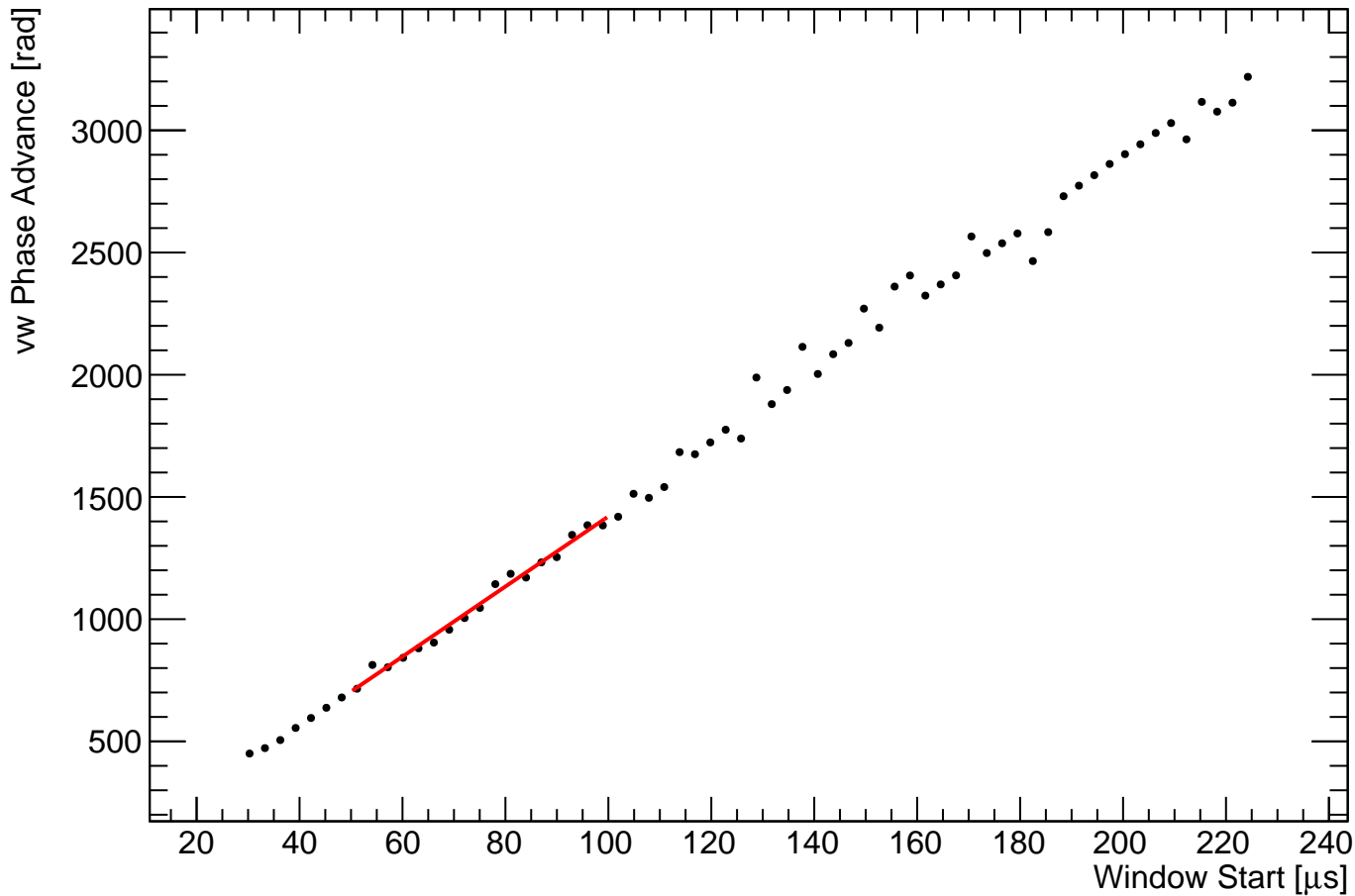


## 2CBO Phase Advance

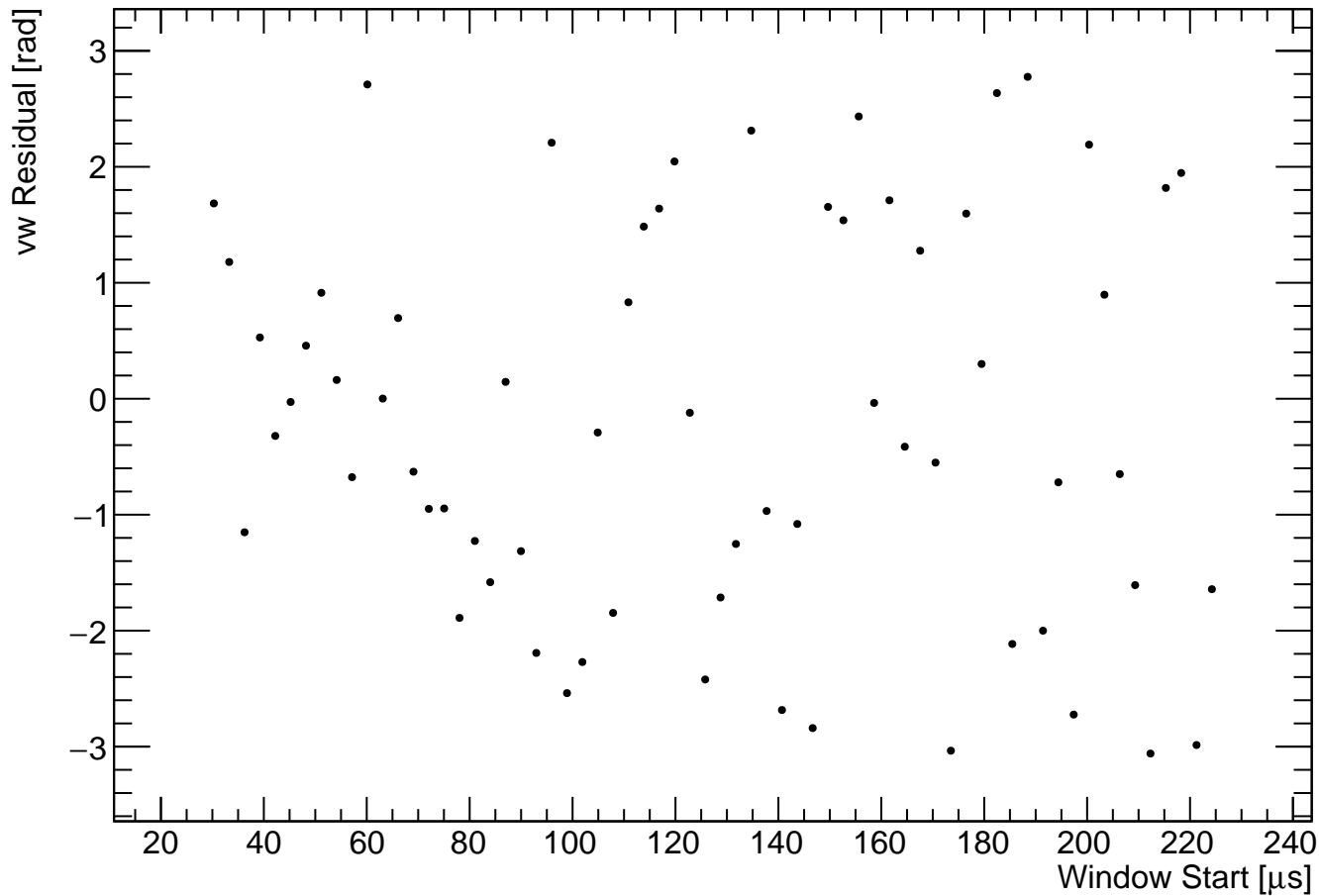


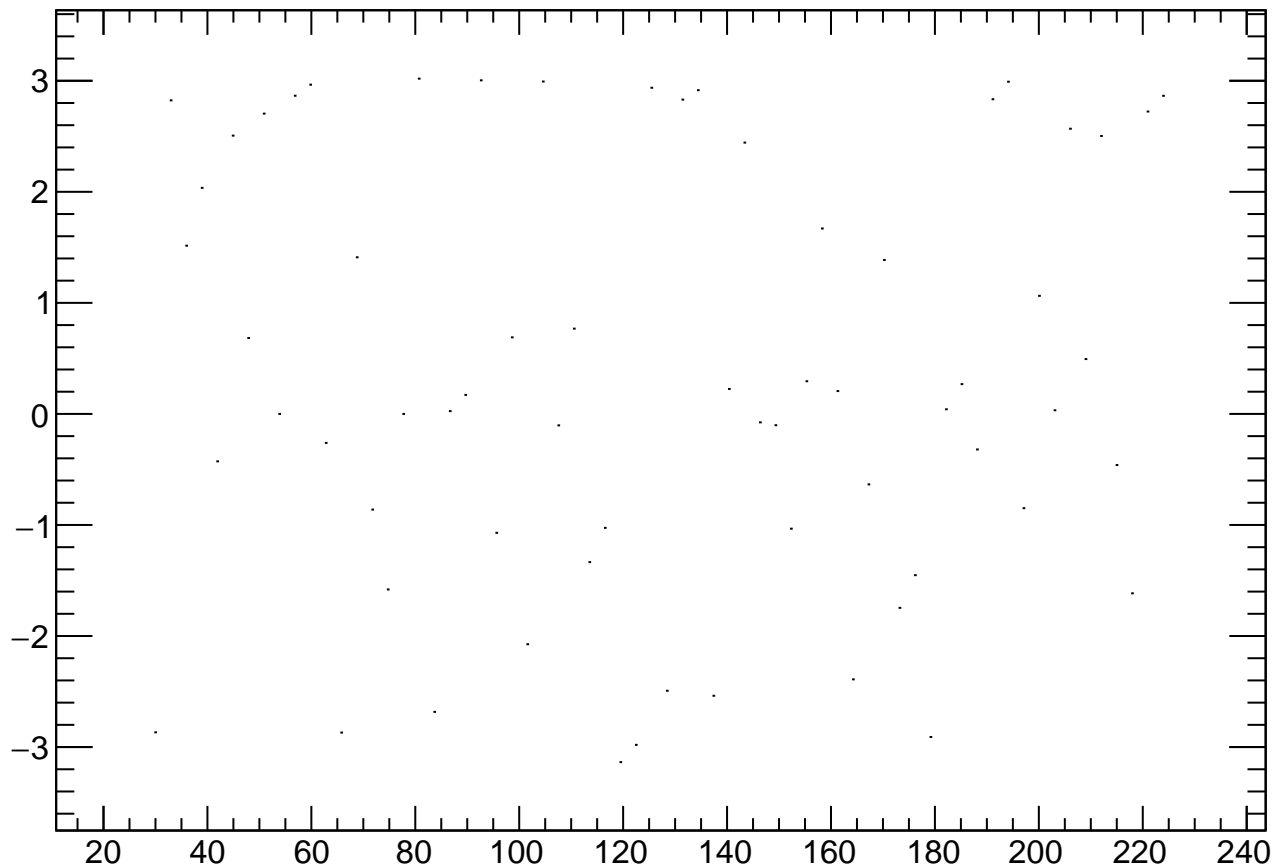


# vw Phase Advance



# vw Phase Advance Residual





# 2CBO Phase Advance Residual

