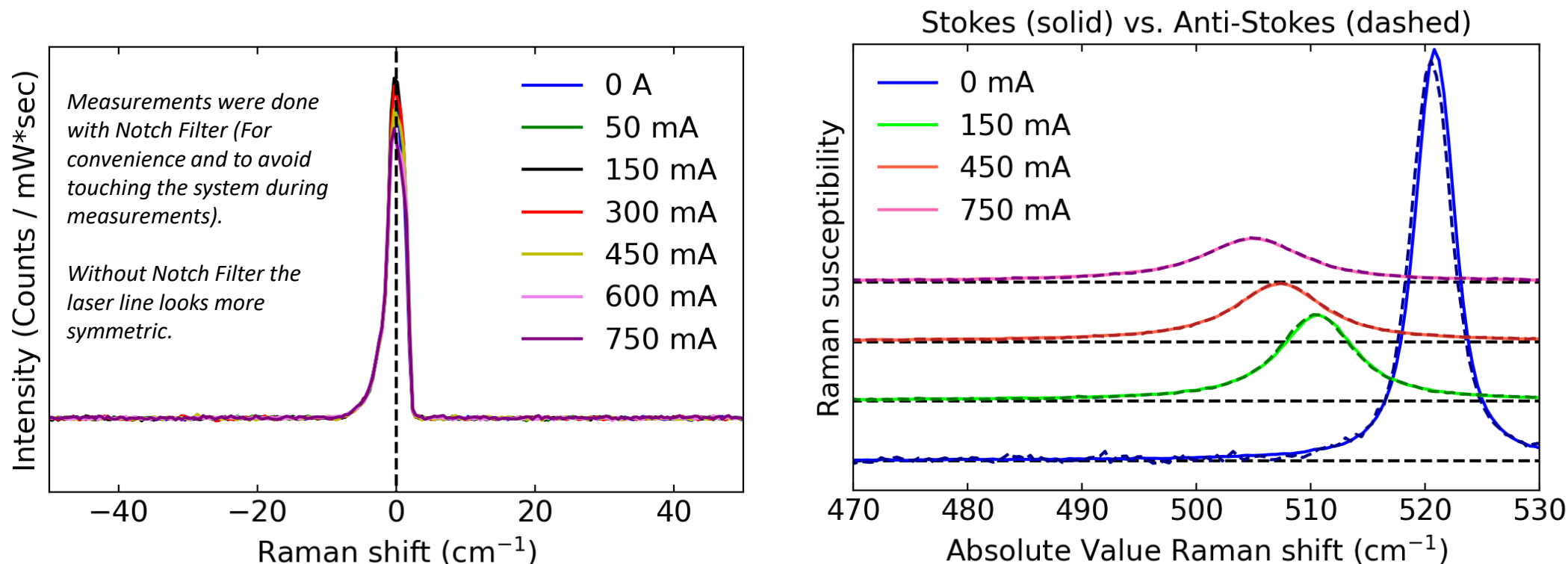


# Si sample from David - 07/30/2024

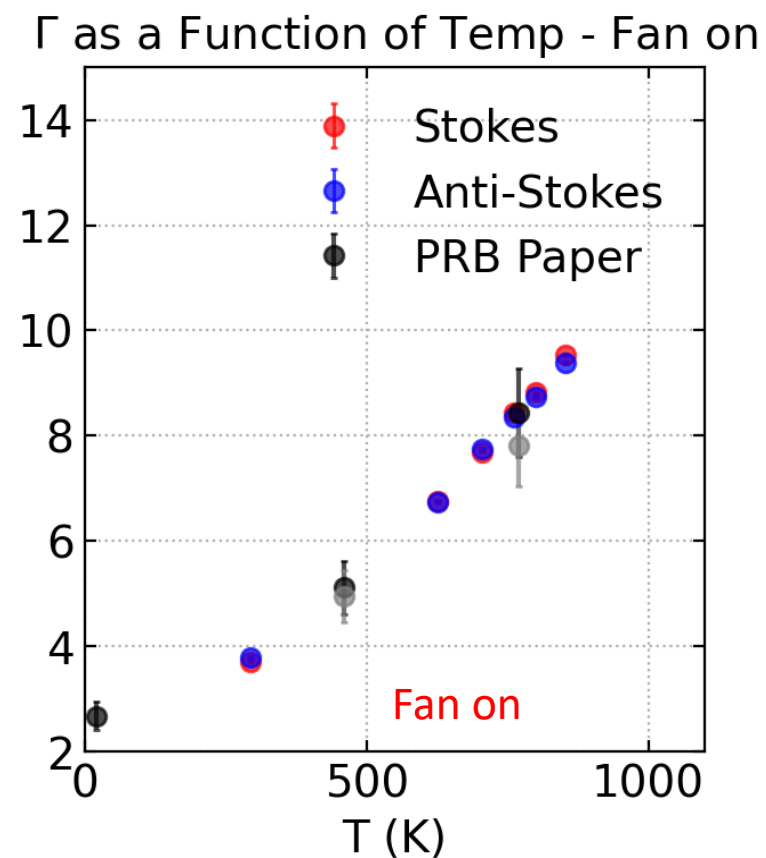
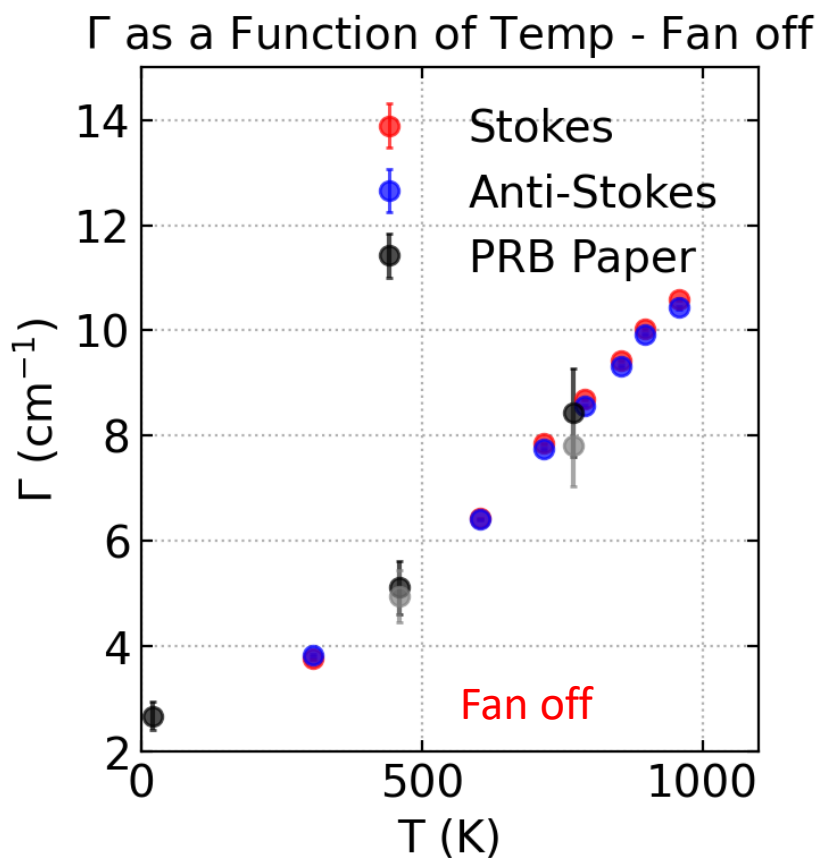
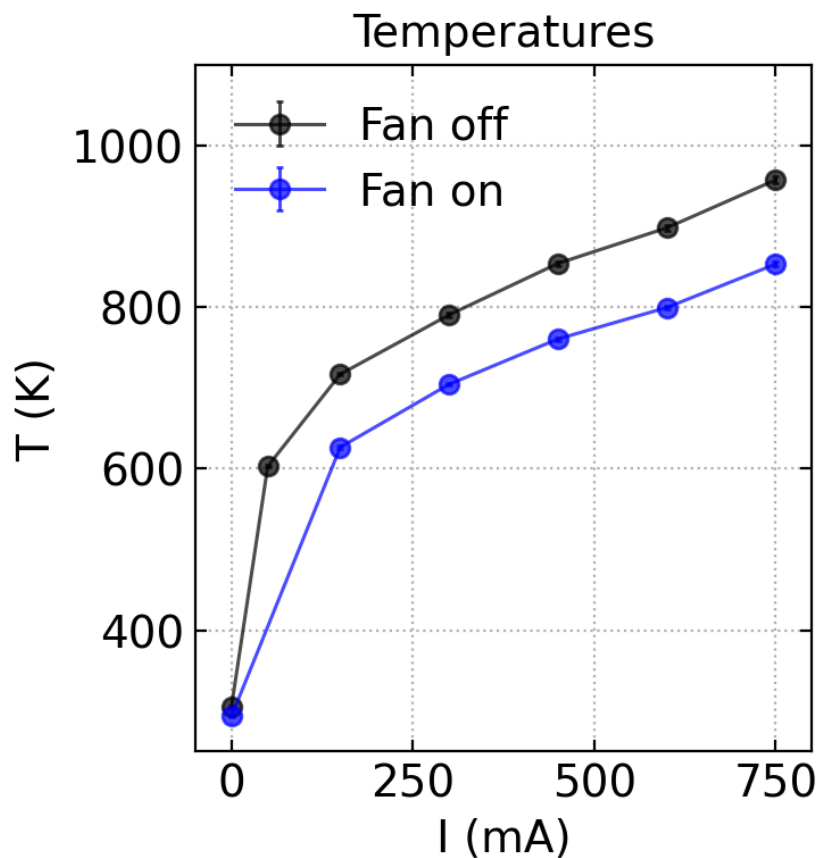
*The sample or the laser beam path probably moved yesterday. This morning the slit wasn't hit perfectly.*

*Today, the system was very stable: Elastic line at 0 after each measurement,  
Stokes frequency (solid lines) = anti-Stokes frequency (dashed lines)*



# Si sample from David - 07/30/2024

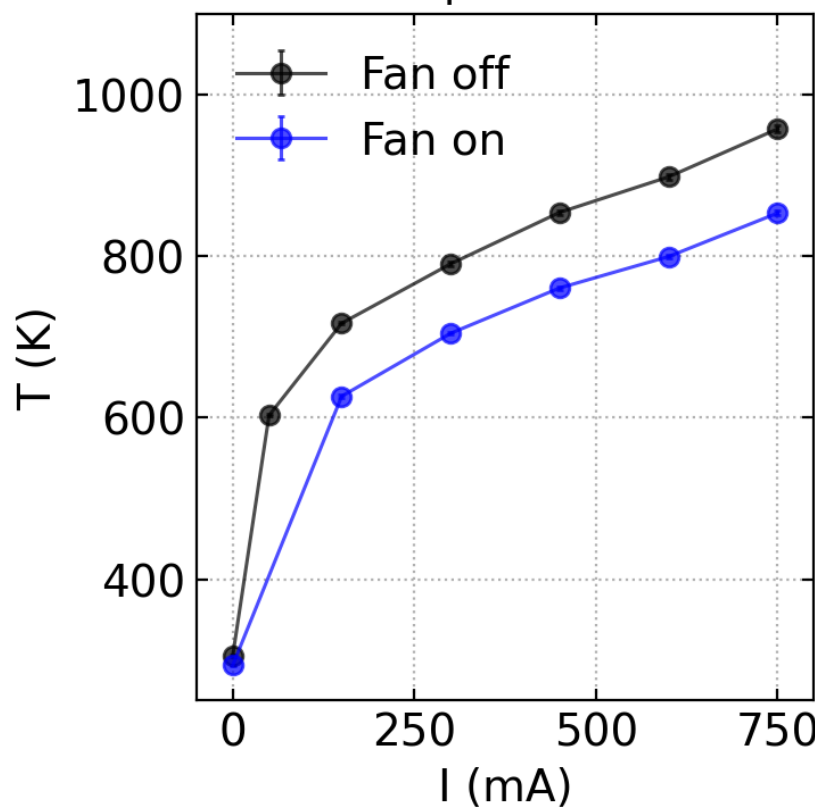
*We cannot reproduce the strong effect we saw yesterday. It may have been due to an incorrect temperature calculation due to a shifted frequency axis*



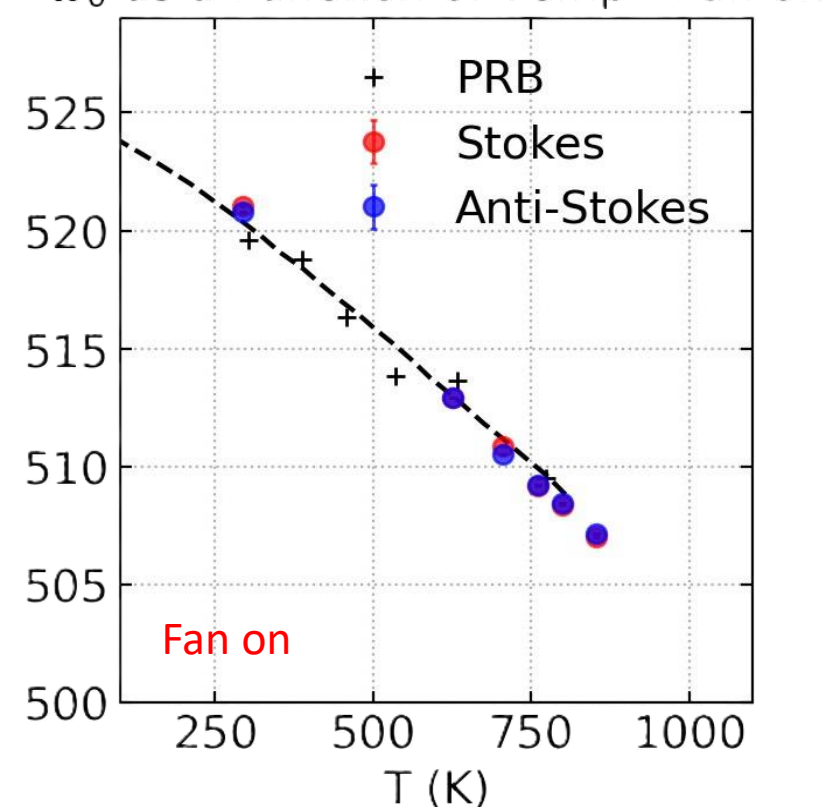
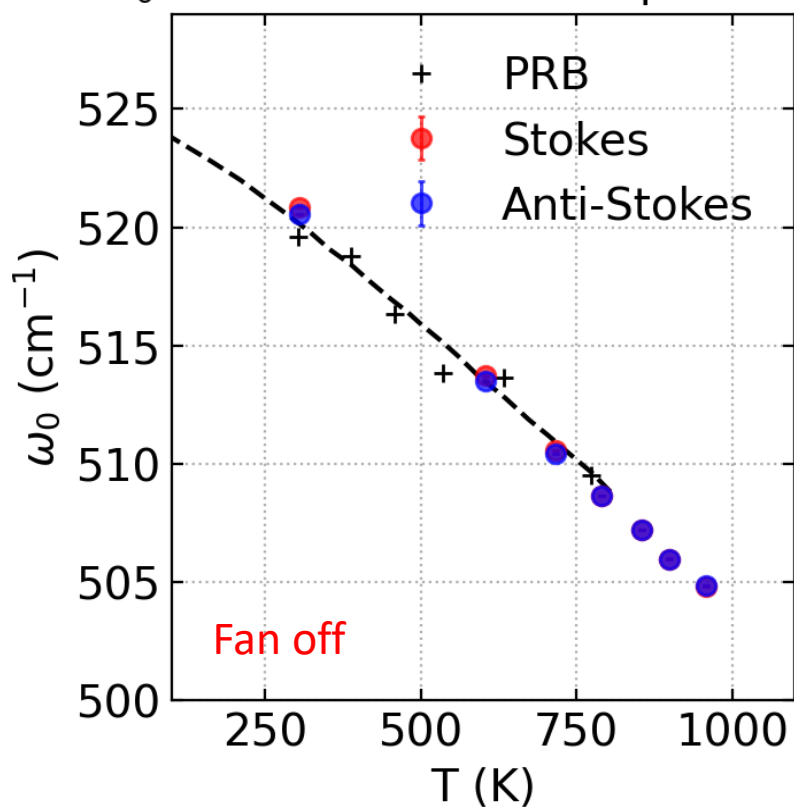
# Si sample from David - 07/30/2024

*We cannot reproduce the strong effect we saw yesterday. It may have been due to an incorrect temperature calculation due to a shifted frequency axis*

Temperatures



$\omega_0$  as a Function of Temp - Fan off  $\omega_0$  as a Function of Temp - Fan on



# Si sample from David - 07/30/2024

*Backgrounds at different currents, it looks like there is no change in this Raman shift range*

