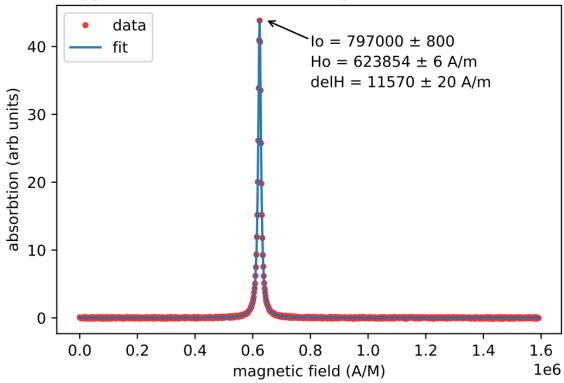
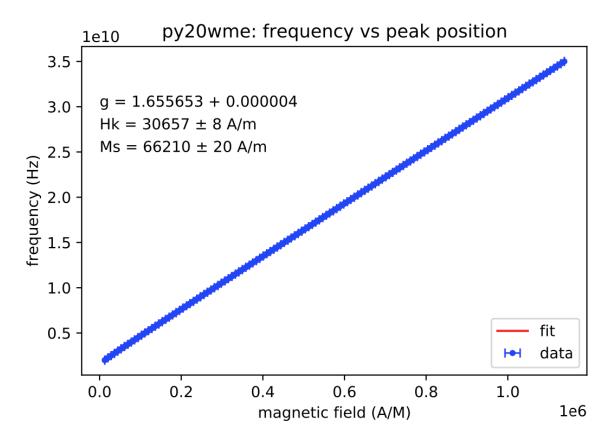
## **PHYS2320 Computing Report**

Part 1: 1.1 20GHz Data

py20wme: absorbtion vs magnetic field for 20GHz

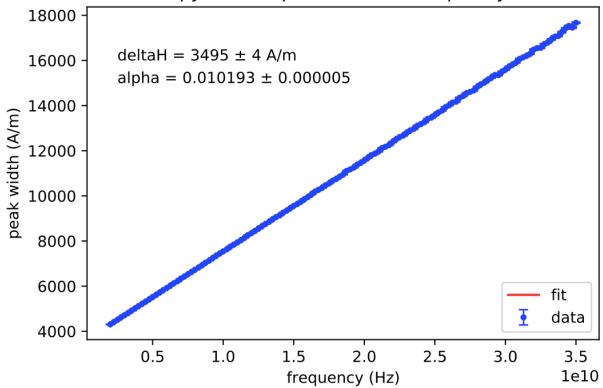


## 1.2 Kittel Fit



## 1.3 Peak Width

py20wme: peak width vs frequency



## 1.4 Table of Results

Quantity	Value	Uncertainty	Units
20GHz peak	623854	6	$Am^{-1}$
20GHz width	11570	20	$Am^{-1}$
Gamma, $\gamma$	145599700000	400000	$rads^{-1}T^{-1}$
Lande g factor, g	1.655653	0.000004	N/A
Anisotropy field, H <sub>k</sub>	30657	8	$Am^{-1}$
Saturation magnetisation, M <sub>s</sub>	66210	20	$Am^{-1}$
Intrinsic line width, $\Delta H$	3495	4	$Am^{-1}$
Gilbert damping parameter, $lpha$	0.010193	0.000005	N/A

Part 2: Flow diagram

