

Damped Oscillator

$y = A_o e^{-bx} \sin(\omega x + \delta) + C$

$\chi^2_{\text{reduced}} = 0.73$

δx

☐

δy

☒

Parameter	Value	Uncertainty
A_o	4.121e-02	6.349e-05
b	9.403e-03	3.163e-05
ω	2.748e+00	3.178e-05
δ	7.216e-01	1.555e-03
C	-2.763e-02	1.769e-05

Underdamped Oscillator - 1. All magnets on top

