

Damped Oscillator

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

$\chi^2_{\text{reduced}} = 0.51$

$\delta x$   
☒

$\delta y$   
☒

| Parameter                  | Value      | Uncertainty |
|----------------------------|------------|-------------|
| $A_o$ [start: 2.30e-01]    | 2.179e-01  | 1.890e-03   |
| $b$                        | -1.476e-02 | 9.017e-03   |
| $\omega$ [start: 4.48e+00] | 4.115e+00  | 9.684e-03   |
| $\delta$ [start: 1.95e+00] | 1.944e+00  | 8.811e-03   |
| $C$ [start: 0]             | 7.321e-03  | 7.327e-04   |

