Exponential fit over short and medium times

Legend:
- $\dot{\rho} = \mathcal{D}\rho$
- Fit: $Ae^{-st} + \langle \sigma_1^z \rangle_{\mathrm{eq}}$

y-axis: $\langle \sigma_1^z \rangle$

x-axis: Time (t/τ_S)