

$$\delta(\tau) = \frac{2 \cos(\Delta m \tau) e^{-(\bar{\Gamma} + \alpha - \gamma)\tau} + 2 \operatorname{Re} \epsilon_S^- e^{-\Gamma_S \tau} + 2 \operatorname{Re} \epsilon_L^+ e^{-\Gamma_L \tau}}{e^{-\Gamma_S \tau} + e^{-\Gamma_L \tau}}$$