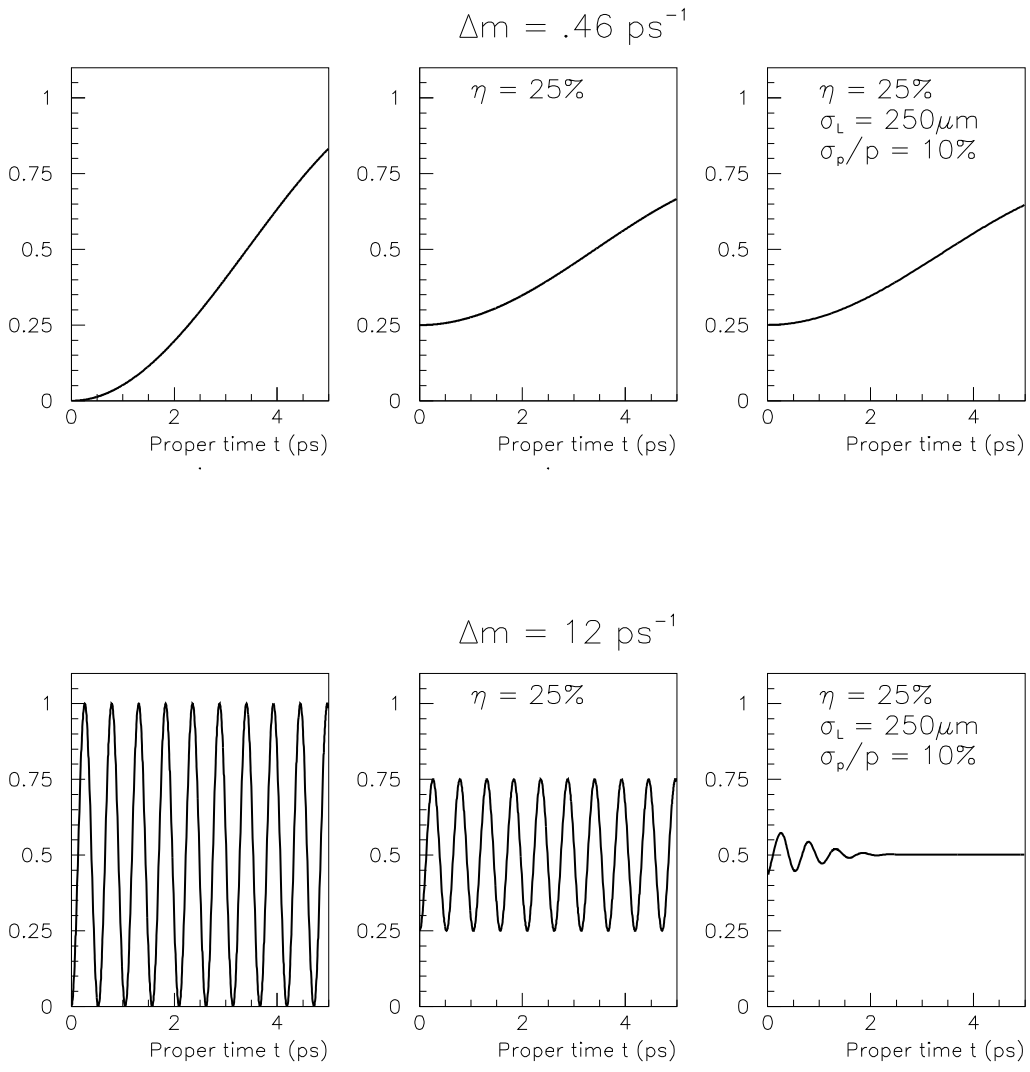
Practical aspects : Influence of time resolution and tagging

- Mistag fraction $\eta = \frac{N_{\mathrm{B}^0\ incor.tagged}}{N_{\mathrm{B}^0\ tagged}}$
- $\sigma_t = \sqrt{\left(\frac{\sigma_\ell M}{p}\right)^2 + t^2\left(\frac{\sigma_p}{p}\right)^2}$

$\rightarrow$ at large time, boost resolution dominates

Theory $\longrightarrow$ + Tagging $\longrightarrow$ + Time resolution

$\frac{1-\cos\Delta mt}{2}$ $\qquad R = \frac{1-(1-2\eta)\cos\Delta mt}{2}$ $\qquad R \otimes$ Time res.