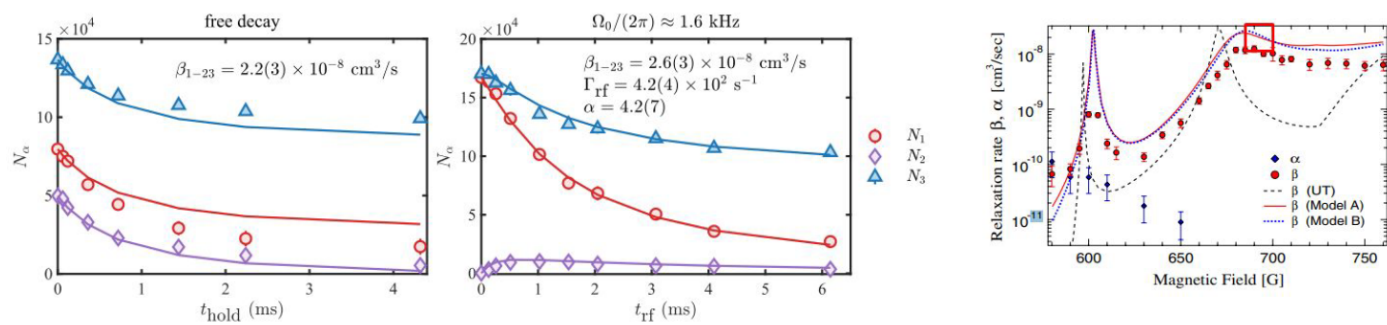


$$\begin{aligned}\dot{N}_1 &= -\beta_{1-23} N_1 N_2 / V - \Gamma_{\text{rf}} (N_1 - \alpha N_2) \\ \dot{N}_2 &= -\beta_{1-23} N_1 N_2 / V + \Gamma_{\text{rf}} (N_1 - \alpha N_2) \\ \dot{N}_3 &= -\beta_{1-23} N_1 N_2 / V\end{aligned}$$



Extracted  $\beta$  is consistent with old measurements