

# Simulation Results

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# 11uncorrelated mixed no interactions

Spin:  $1/2$ ,  $B_0 = 10$ ,  $\gamma/2\pi = 4.00$ ,  $\mathcal{H}$

$$\rho_{\text{initial}} \doteq \begin{pmatrix} 1.0 & 0.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 0.0 \end{pmatrix}$$

$$\rho_{\text{evolved}} \doteq \begin{pmatrix} 1.0 & 0.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 0.0 \end{pmatrix}$$

