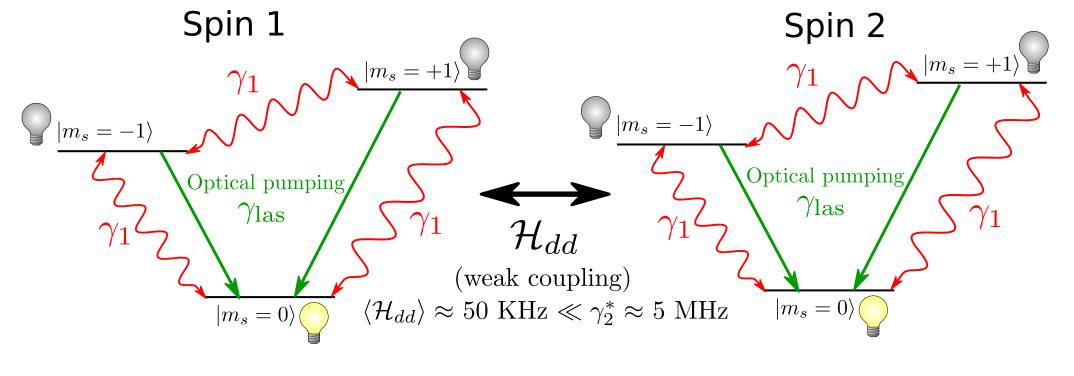
Homogeneous case



Flip-flop processes $(|-1;0\rangle \to |0;-1\rangle)$ preserve the spin population in $|0\rangle$ \to Dipolar coupling does not modify the ensemble spin lifetime