



This picture describes the Bloch sphere evolution

of the initial state

$$\frac{|g\rangle + |e\rangle}{\sqrt{2}}$$

decaying to the final state

$$|g\rangle$$

TOP

LABEL1:  $\frac{|g\rangle+|e\rangle}{\sqrt{2}}$

LABEL2:  $\frac{|g\rangle-|e\rangle}{\sqrt{2}}$

LABEL3:  $\frac{|g\rangle+i|e\rangle}{\sqrt{2}}$

LABEL4:  $\frac{|g\rangle-i|e\rangle}{\sqrt{2}}$

LABEL5:  $|g\rangle$

LABEL6:  $|e\rangle$

BOTTOM