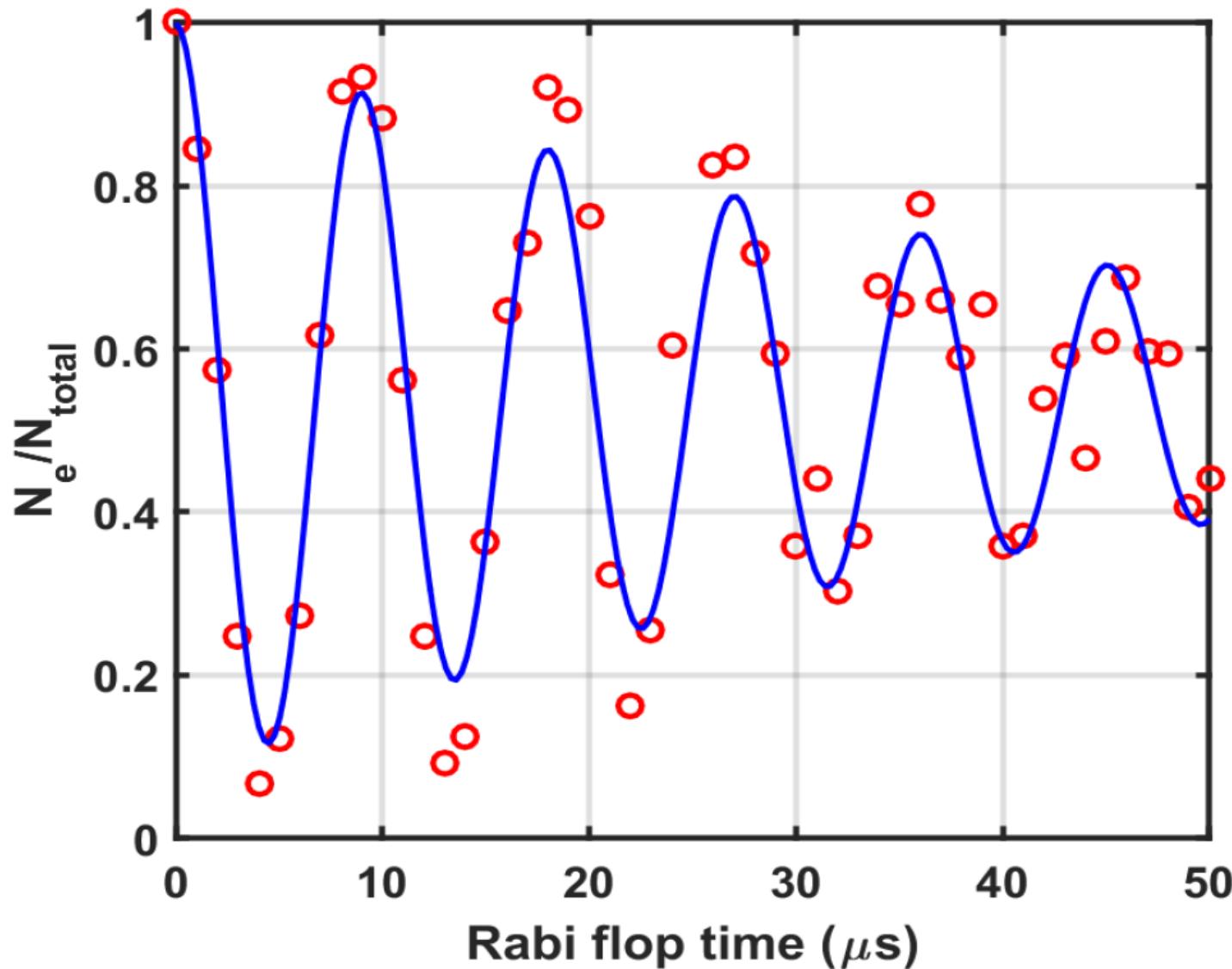
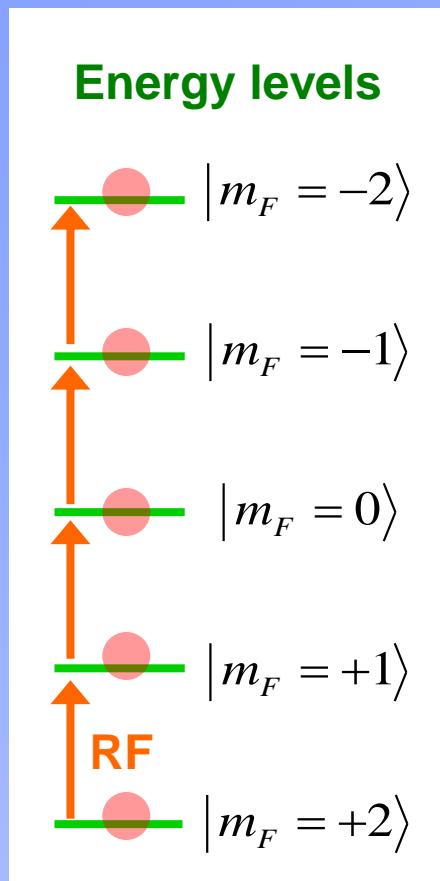


2-level Rabi-flopping

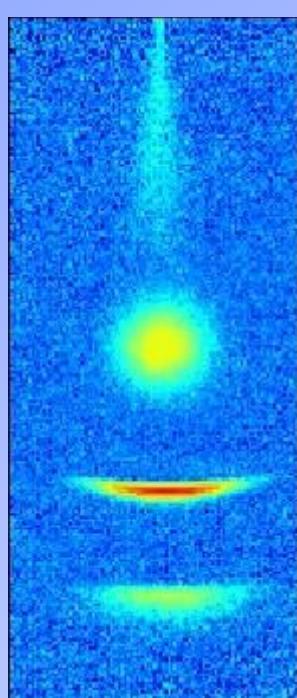


5-level Rabi-flopping

Rabi-flopping of a 5-level Zeeman split atom:

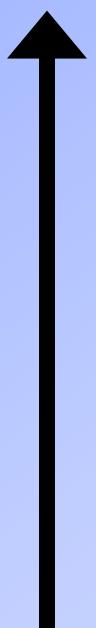


$$H = H_{5\text{-level atom}} + e\vec{R} \cdot \vec{E}_0 \cos(\omega t)$$



High B-field

Low B-field

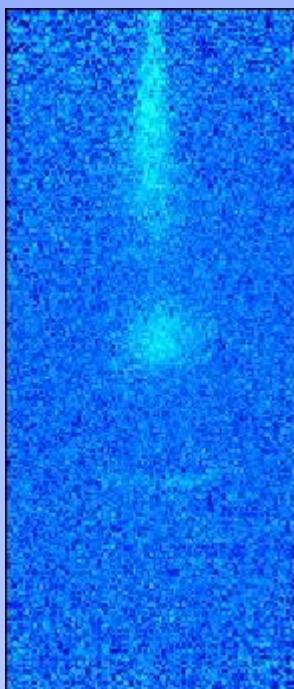
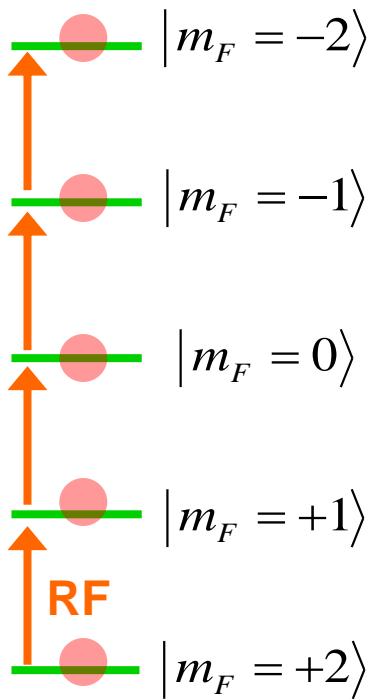


Magnetic gradient

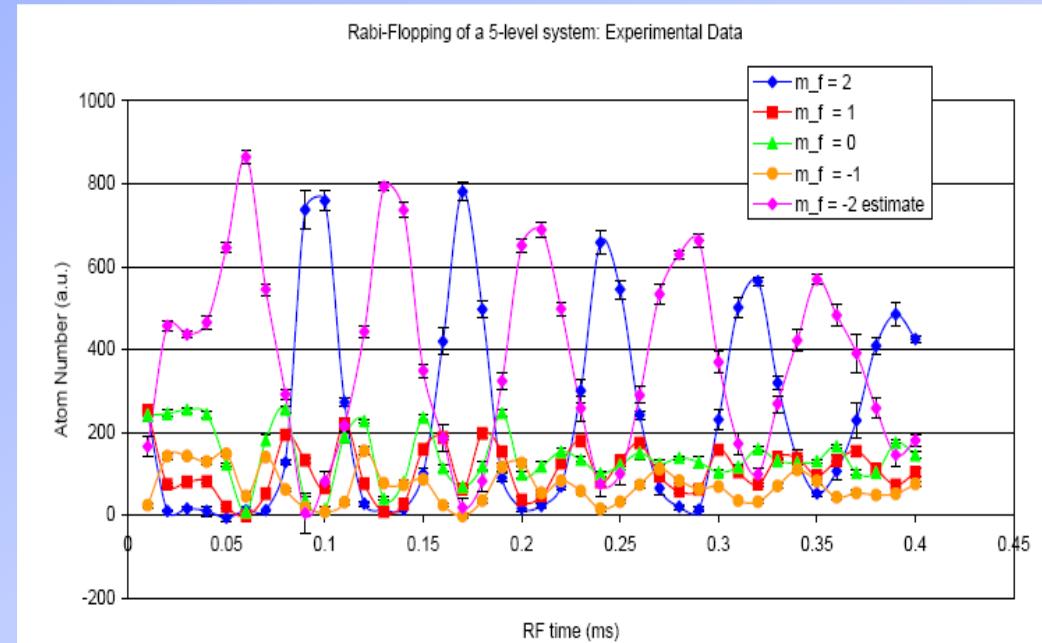
5-level Rabi-flopping

Rabi-flopping of a 5-level Zeeman split atom:

Energy levels



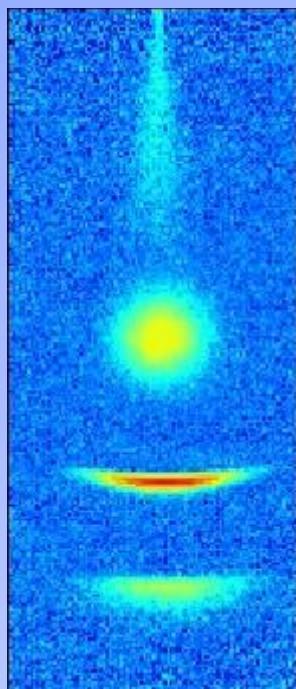
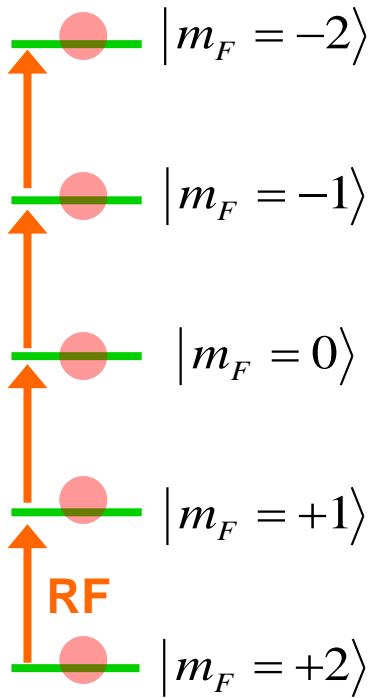
$$H = H_{\text{5-level atom}} + e \vec{R} \cdot \vec{E}_0 \cos(\omega t)$$



5-level Rabi-flopping

Rabi-flopping of a 5-level Zeeman split atom:

Energy levels



$$H = H_{\text{5-level atom}} + e\vec{R} \cdot \vec{E}_0 \cos(\omega t)$$

