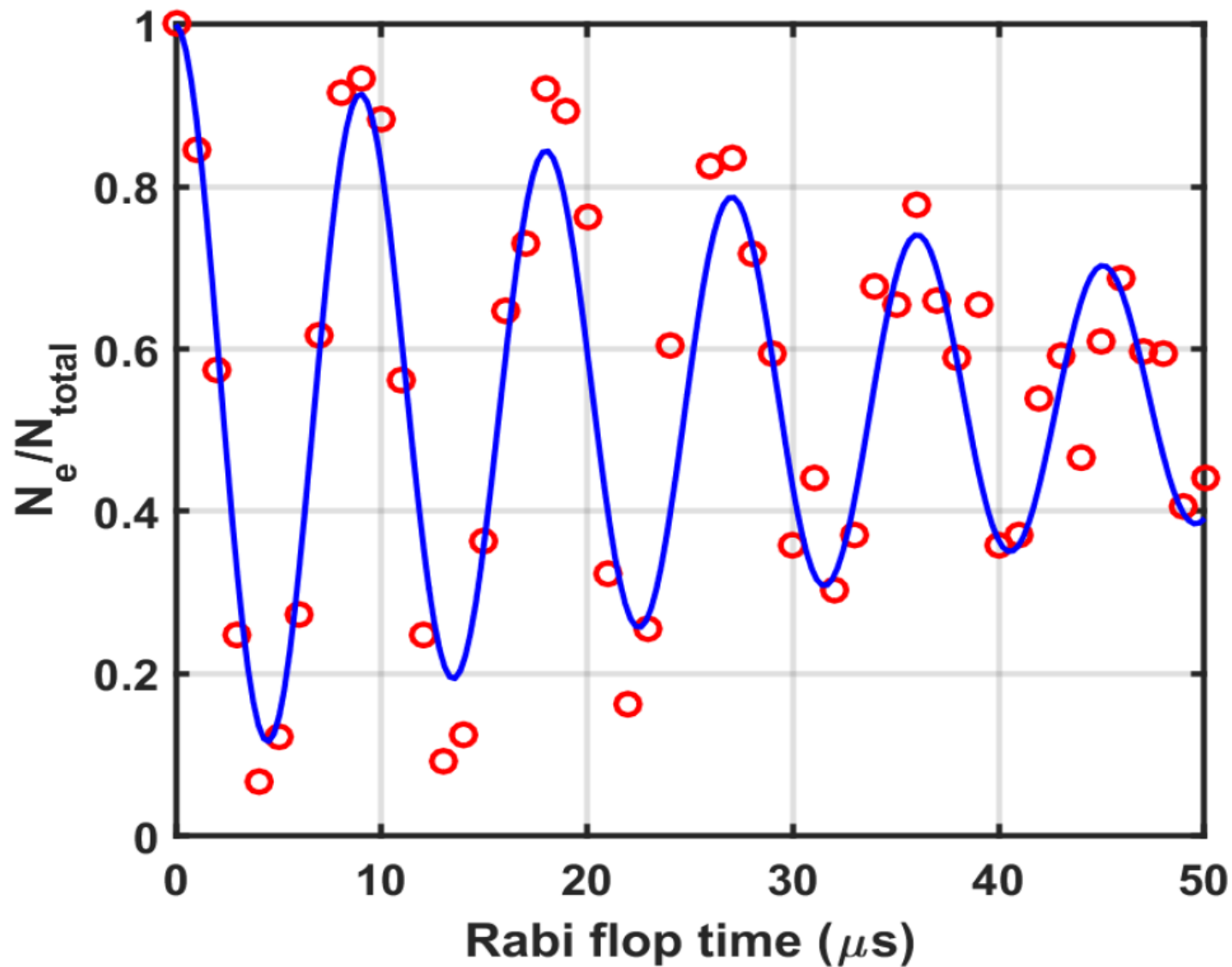


2-level Rabi-flopping

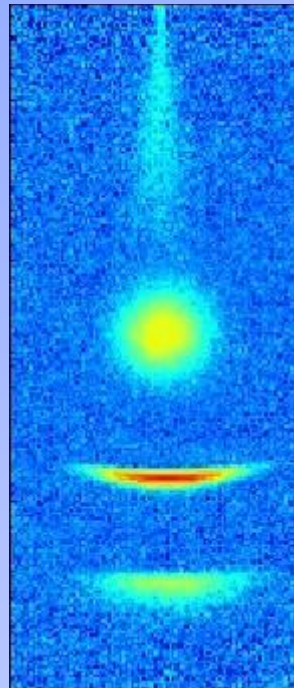
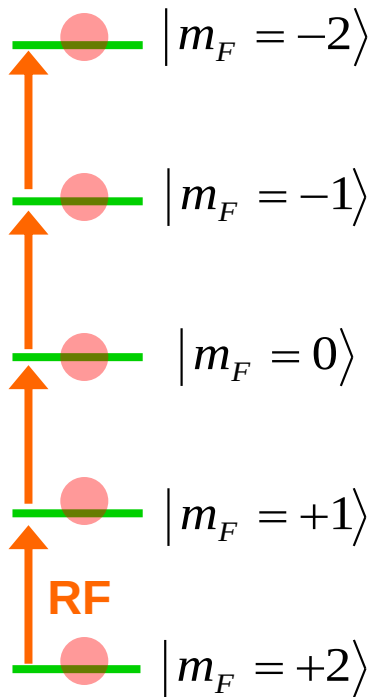


5-level Rabi-flopping

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

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

Energy levels



High B-field

Magnetic gradient

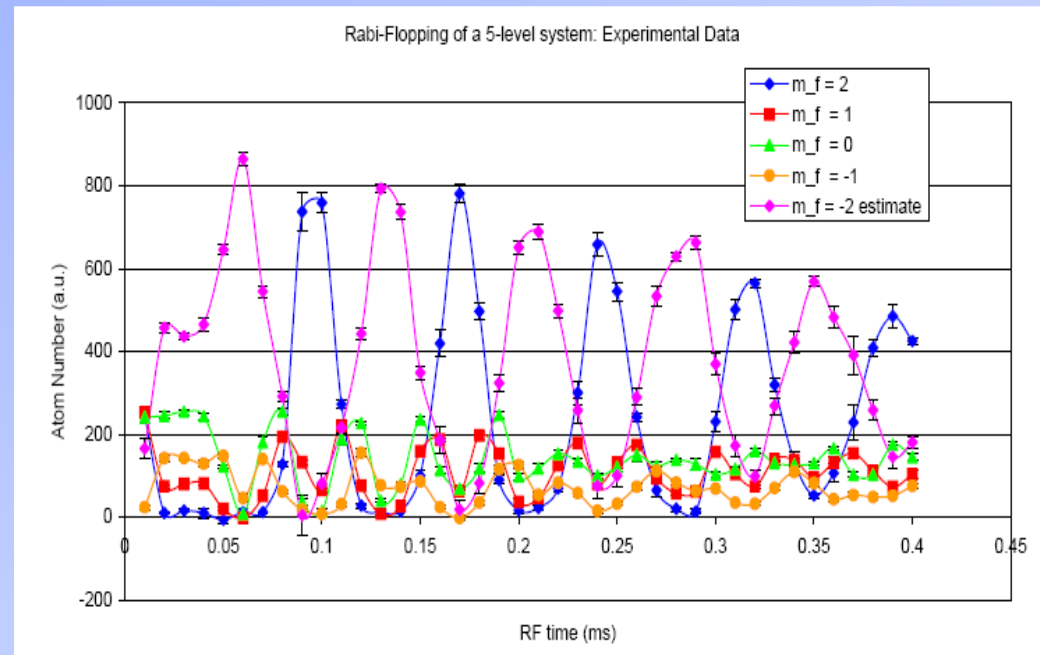
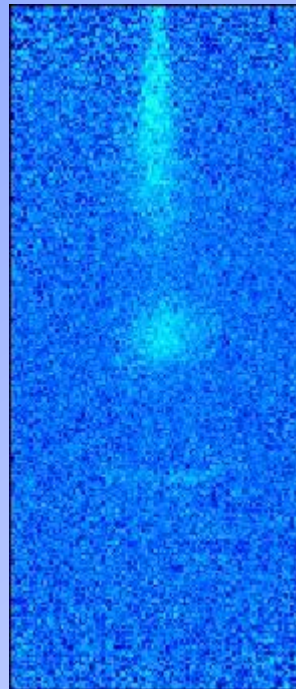
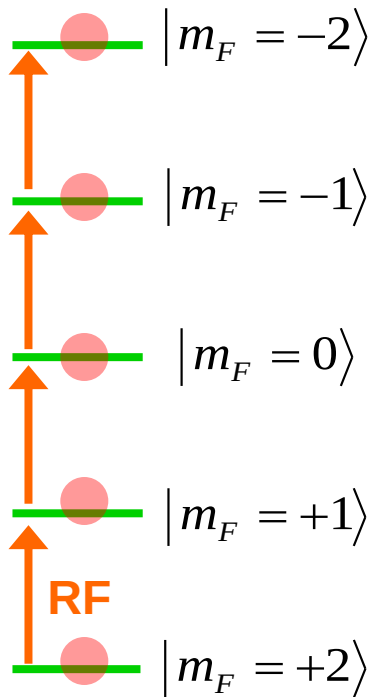
Low B-field

5-level Rabi-flopping

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

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

Energy levels



5-level Rabi-flopping

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

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

Energy levels

