

Andrés Martínez Silva

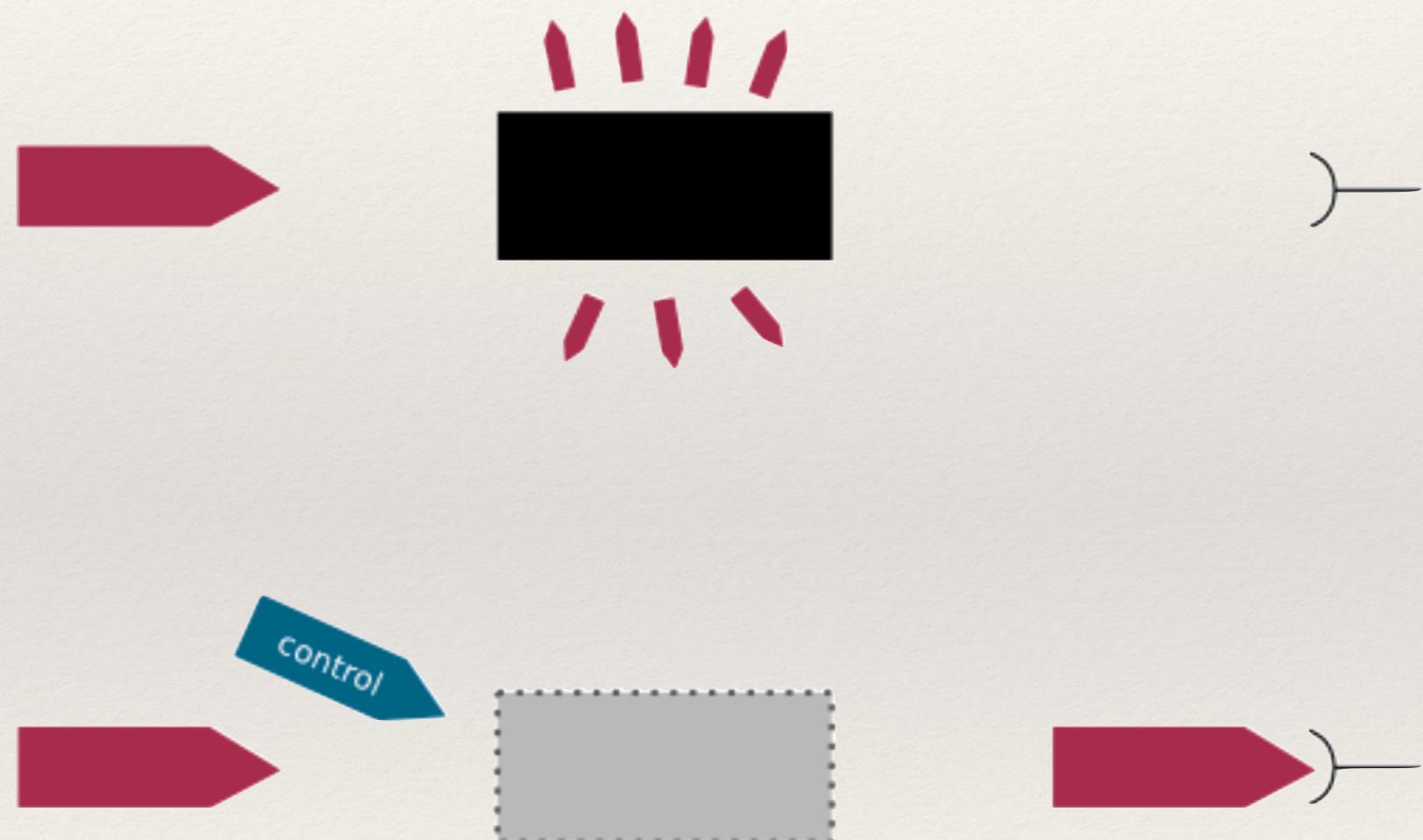
Electromagnetically induced transparency with single atoms in a cavity.

Indice

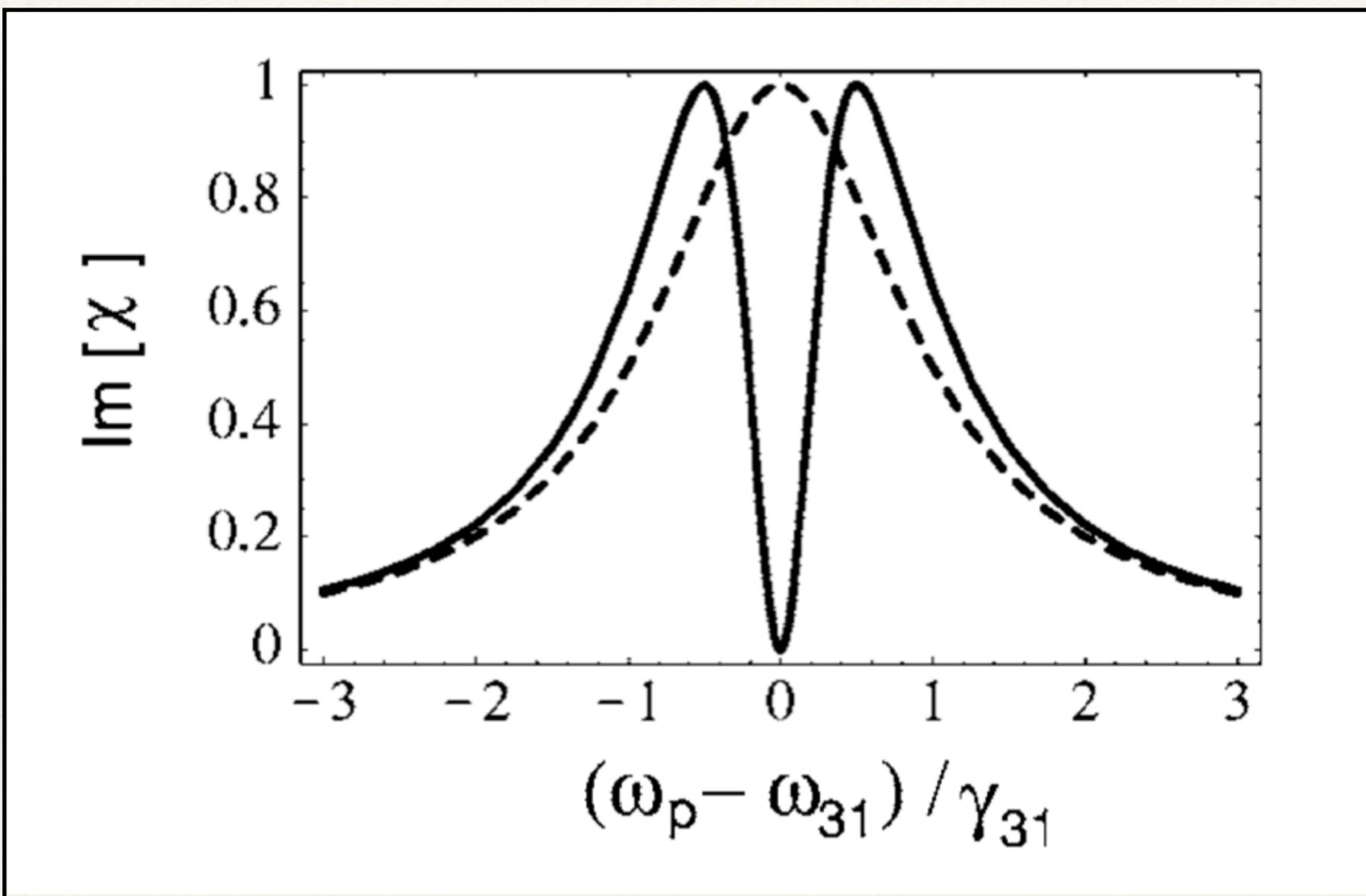
- ❖ Electromagnetically induced transparency (EIT).
 - Fleischhauer, M., Imamoglu, A. & Marangos, J. P. Electromagnetically induced transparency: Optics in coherent media. *Rev. Mod. Phys.* 77, 633–673 (2005).
 - Harris, S. E. Electromagnetically induced transparency. *Phys. Today* 50, 36 (1997).
- ❖ EIT con fotones individuales en una cavidad.
 - Mücke, M., Figueroa, E. Electromagnetically induced transparency with single atoms in a cavity. (2010)
- ❖ Aplicaciones.

¿Qué es EIT?

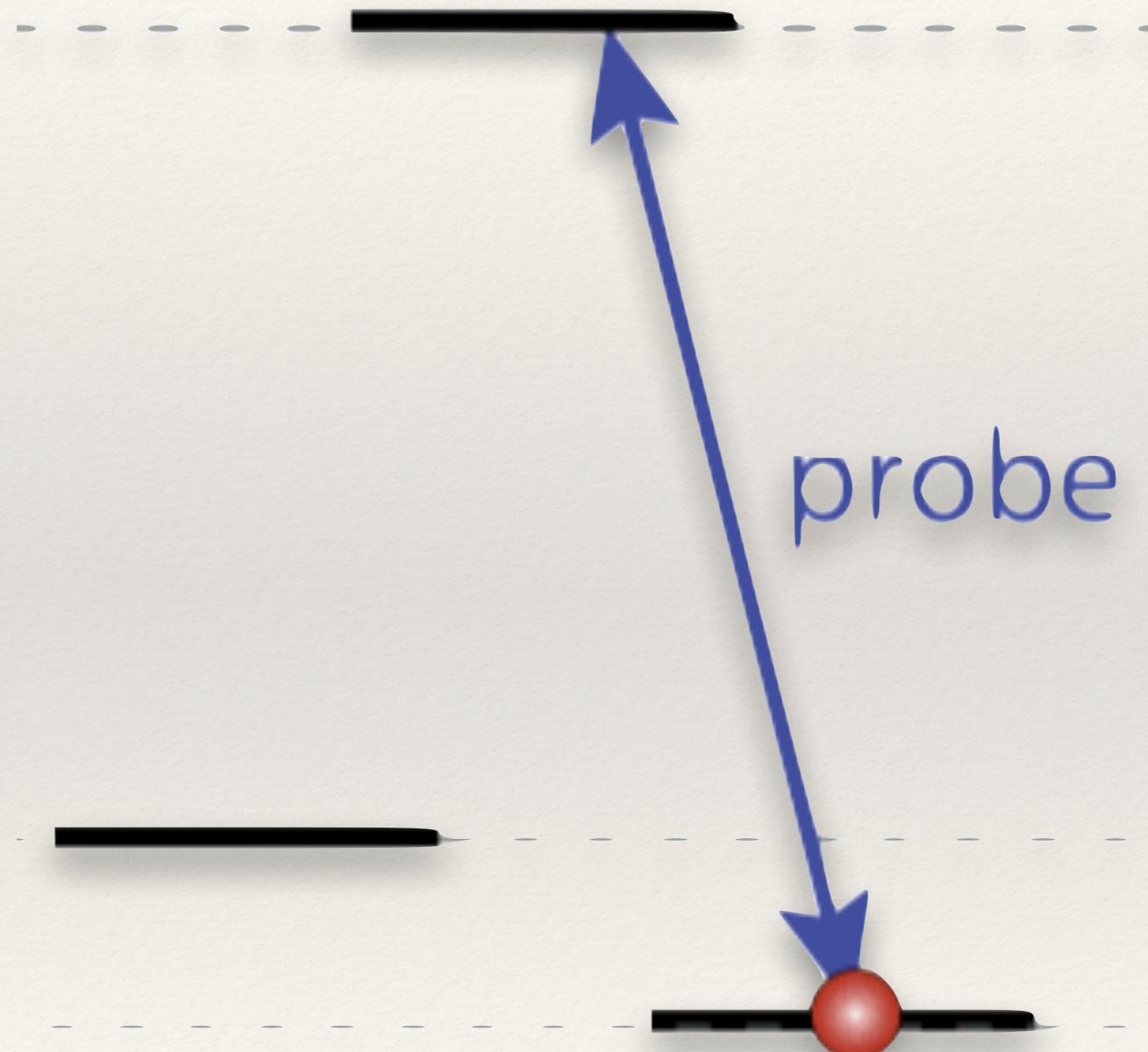
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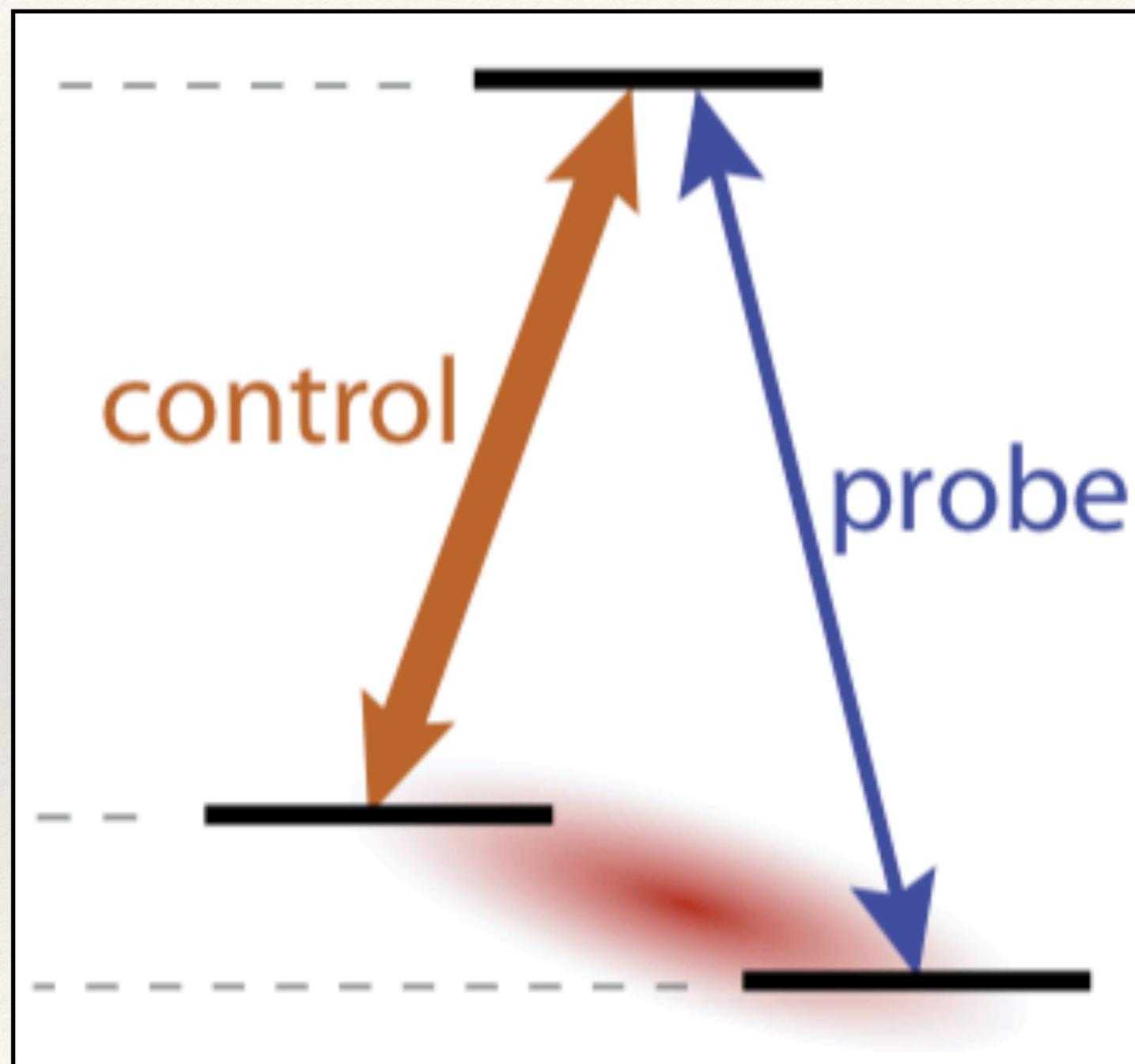
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Descripción física

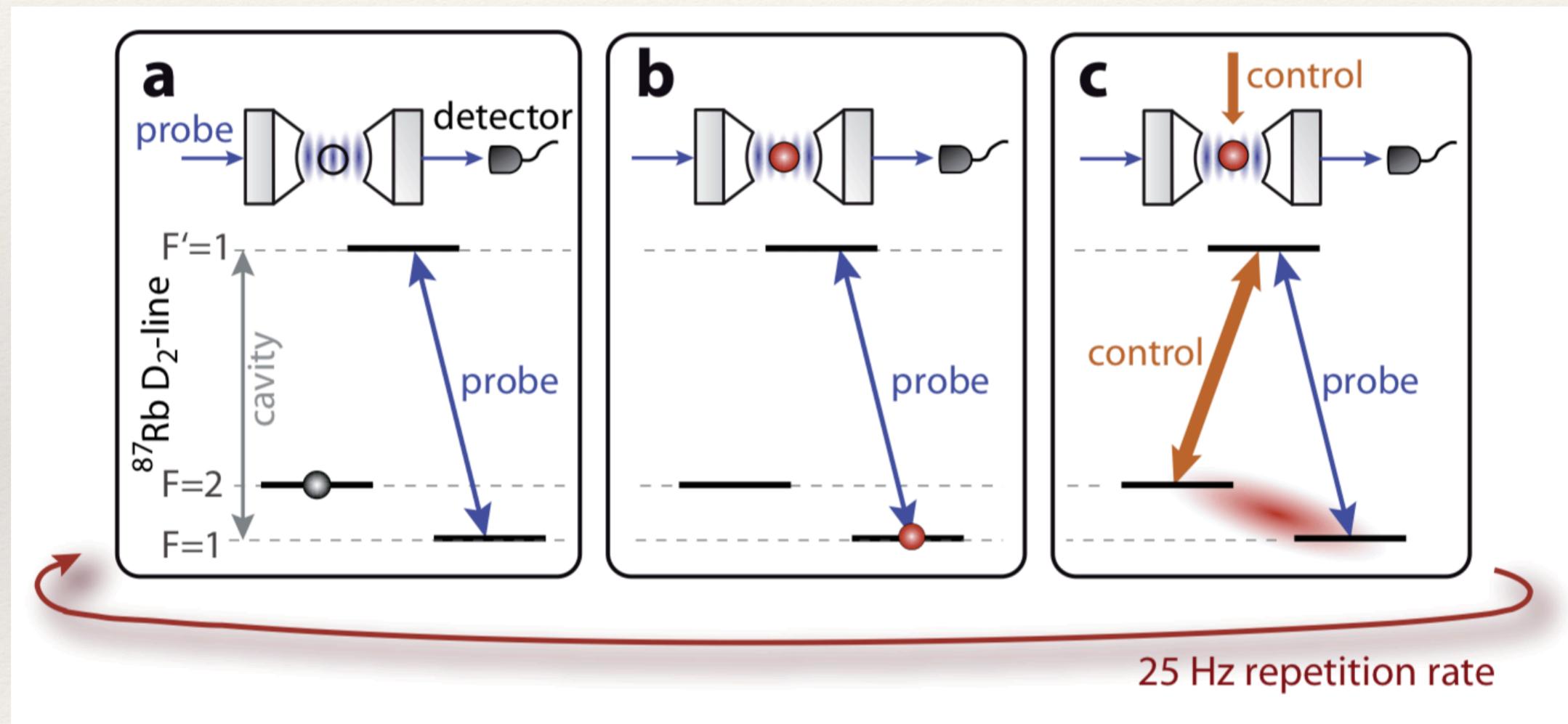


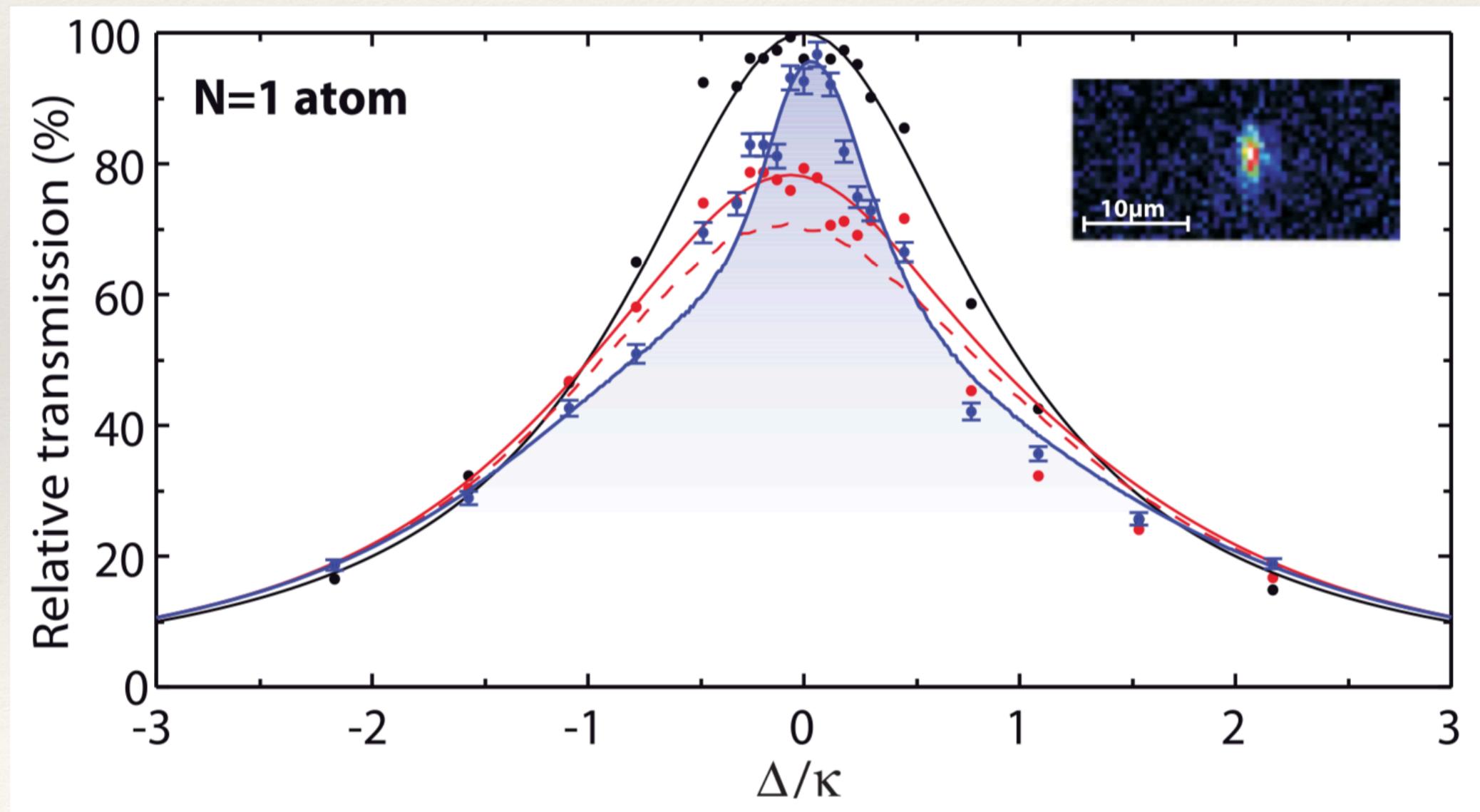
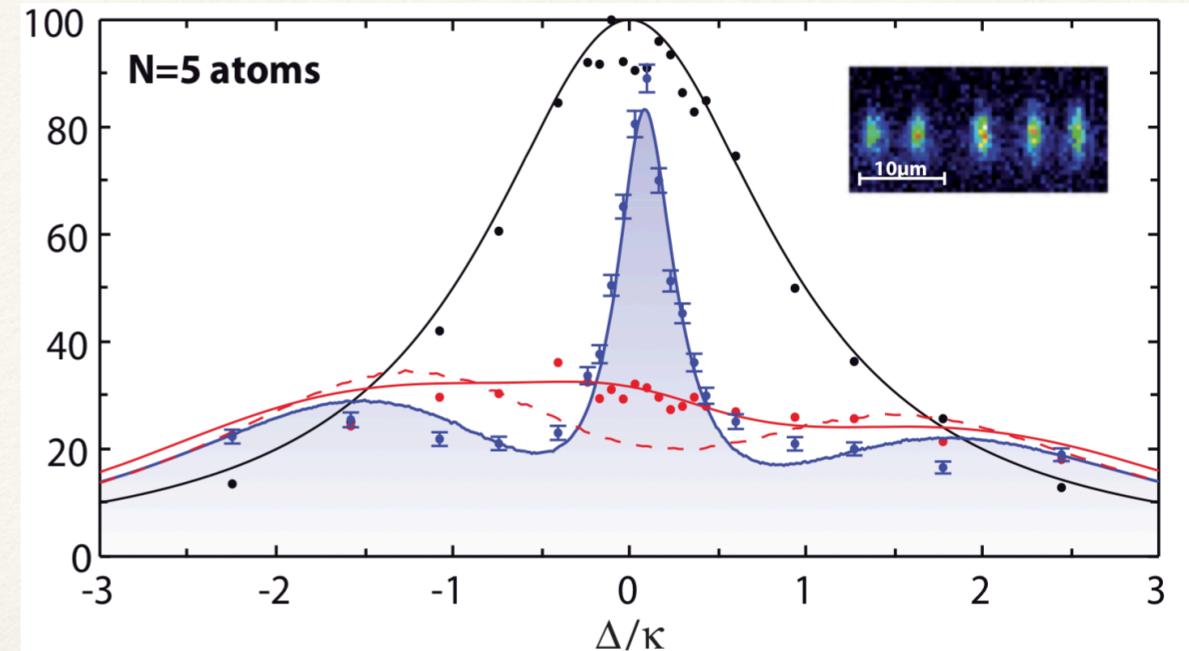
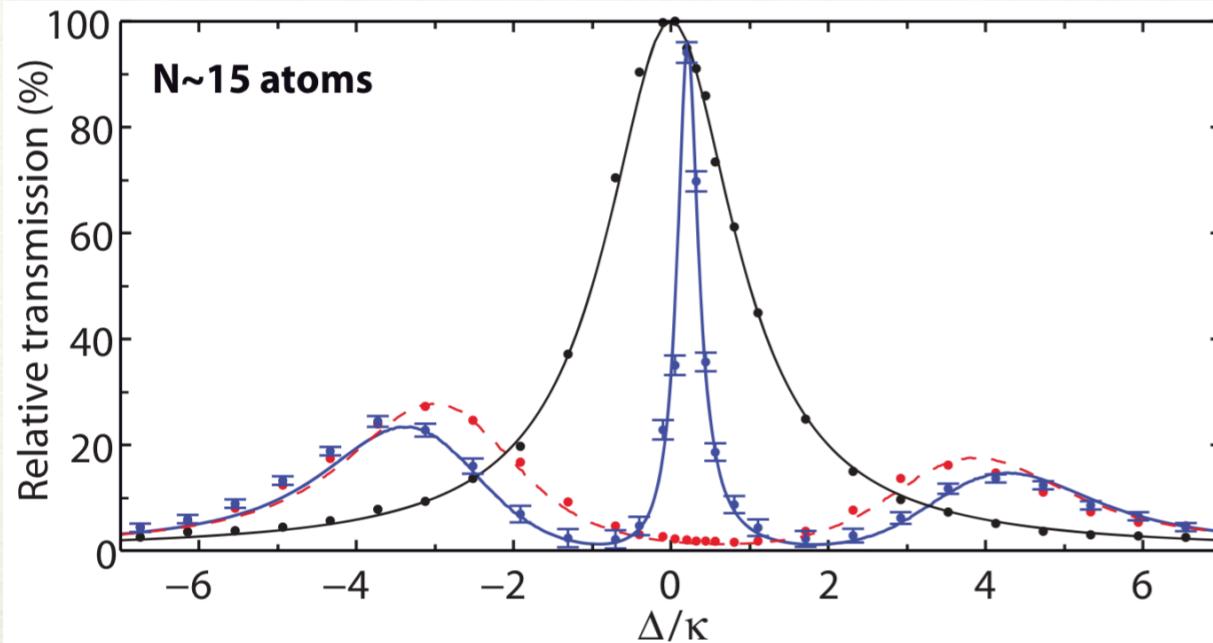
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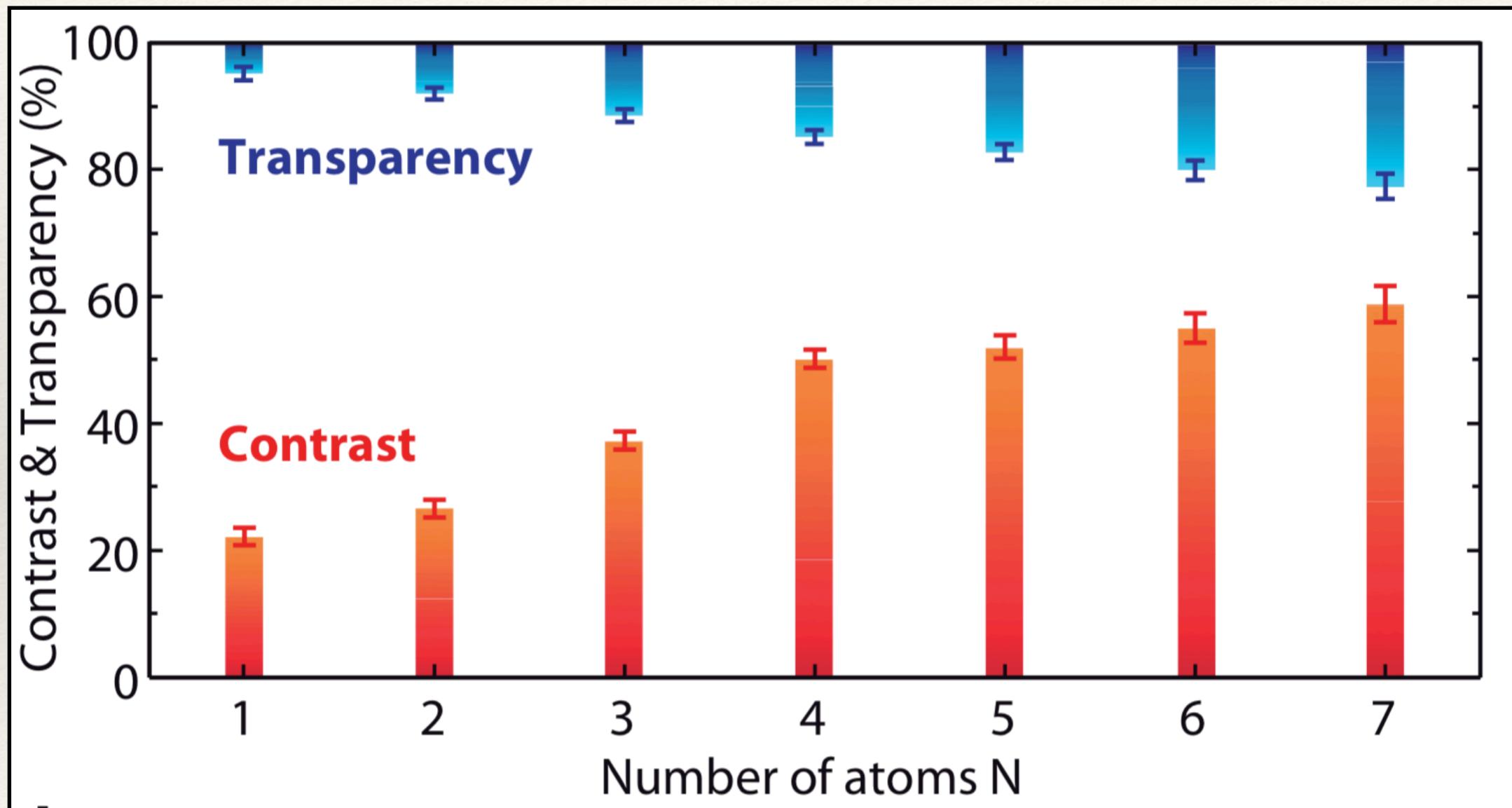
EIT con fotones individuales

Método





Resultados



Aplicaciones

Aplicaciones

- ❖ Atomo como transistor de fotones.
- ❖ Manejo de Qbits.
- ❖ Almacenamiento de información para computación cuántica.

