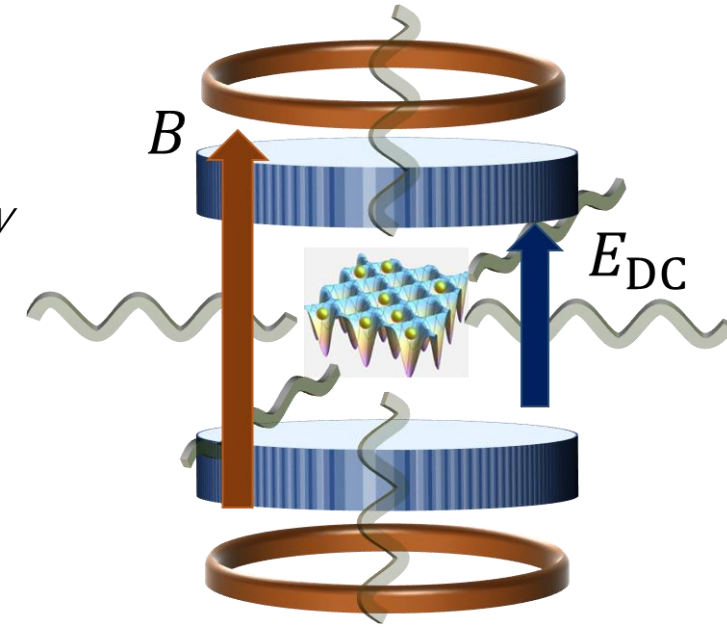


A comagnetometer using ^{87}Rb and ^{133}Cs atoms in an optical lattice trap

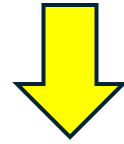
Poster ID:08

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The main sources of systematic errors in EDM measurements are magnetic and optical field fluctuations.



We **simultaneously trapped Rb and Cs atoms in an optical lattice** and measured spin precession frequencies by Faraday rotations.

A comagnetometer **achieved a proof-of-principle experiment** using stable atoms ^{87}Rb and ^{133}Cs trapped in an optical lattice

