

Experimental setup of cold ^{87}Rb atoms prepared in a magneto-optical trap for generating and manipulating spin waves through ac Stark modulation. *W (R)* represents the write (read) laser, *w (r)* the writeout (readout) photon, and **B** the magnetic field. [M. Parniak *et al.*, Phys. Rev. Lett. **122**, 063604 (2019)]

NEWSPAPER

PHYSICAL REVIEW LETTERS

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