

Abstract Submitted
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Experiments with ultracold atoms in an optical cavity SUBHADEEP GUPTA, KEVIN MOORE, KATER MURCH, THOMAS PURDY, DAN STAMPER-KURN, University of California, Berkeley — Magnetically-trapped ultracold atoms provide a robust, long-lived atomic source for many-atom cavity QED. We have developed a system which is capable of placing a large ensemble of Rb-87 atoms within the confines of a high finesse optical cavity. Recent experimental progress will be discussed.

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