

Abstract Submitted
for the MAR05 Meeting of
The American Physical Society

Experiments with Ultracold Atoms in an Optical Cavity SUBHADEEP GUPTA, KEVIN MOORE, THOMAS PURDY, KATER MURCH, STEFAN SCHMID, 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 ^{87}Rb atoms within the confines of a high finesse optical cavity. Recent experimental progress will be discussed.

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Date submitted: 01 Dec 2004

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