

Abstract Submitted
for the DAMOP05 Meeting of
The American Physical Society

BEC in a novel magnetic trap for many-atom cavity QED KATER MURCH, THOMAS PURDY, KEVIN MOORE, SUBHADEEP GUPTA, DAN STAMPER-KURN, University of California-Berkeley — We have produced a Rb-87 BEC in novel mm-scale Ioffe-Pritchard trap. The trap is designed to interface with a high finesse optical cavity with the goal of performing cavity QED with ultracold atomic samples. Performance of the trap and recent experimental progress will be discussed.

Kater Murch
University of California-Berkeley

Date submitted: 08 Feb 2005

Electronic form version 1.4