

Jonathan Trossman (Physics & Astronomy)

“Progress Report on the Preparation of a Rubidium BEC”

Our rubidium BEC experiment is currently under construction. We are close to trapping atoms in a MOT from which our BEC would be obtained. Our plans and future work will be presented as well. These plans include the use of a dipole trap from which to evaporatively cool our rubidium and subsequent plans for an evanescent wave trap.