Abstract Submitted for the DAMOP12 Meeting of The American Physical Society

A Next Generation Machine for Fermions in Optical Lattices Experiments WUJIE HUANG, AVIV KESHET, EDWARD SU, CHRISTIAN SANNER, JONATHON GILLEN, WOLFGANG KETTERLE, Massachusetts Institute of Technology — We are building a new ²³Na-⁶Li machine for optical lattices experiments. Major experimental setups and upgrades will be described in details. We will also discuss how to reach the antiferromagnet regime and study quantum magnetism.

Wujie Huang MIT

Date submitted: 27 Jan 2012 Electronic form version 1.4