

Abstract Submitted
for the DAMOP10 Meeting of
The American Physical Society

Design of a Permanent Magnet Zeeman Slower SEAN KRZYZEWSKI, THOMAS AKIN, PARSHURAM DAHAL, ERIC ABRAHAM, University of Oklahoma — We present a new design for a permanent magnet Zeeman slower for loading magneto-optical traps in laser cooling experiments. In addition to eliminating the need for a power source, the simple design facilitates vacuum chamber baking and construction. We compare experimental results with numerical simulations.

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Date submitted: 25 Jan 2010

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