

Abstract Submitted
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A MOT (Magneto-Optical Trap) created by narrow-band lasers.¹
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BAI, School of science, Hebei University of Science Technology — Most diode lasers
used for creating Magneto-Optical Traps are standing wave lasers. Specifically, a
grating is used to reflect the output from a diode laser back into the laser diode to
form an external cavity. Typically, the first order diffraction is sent back to the diode
laser. In this presentation, we sent the second order diffraction from the grating back
to the diode. A MOT is created using this type of lasers. The characterization of
the MOT will be presented in this presentation.

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