Abstract Submitted
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**Saturated absorption spectroscopy of Ho atoms for laser cooling experiments**[1] J. MIAO, J. HOSTETTER, M. SAFFMAN, University of Wisconsin — We present spectroscopy measurements of the 410.5 nm cooling transition in Ho using a source based on a frequency doubled diode laser. The laser is locked to the Ho $F = 11 - F' = 12$ transition between resolved hyperfine states using saturated absorption spectroscopy in a hollow cathode cell. Progress towards using the 410.5 nm source for laser cooling and trapping of Ho atoms generated in an effusion cell will be presented.

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