Abstract Submitted
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Interference-filter-stabilized external-cavity diode laser[1] LAUREN LEVAC, LISA HARDY, THAD WALKER, University of Wisconsin — We present the design and characterization of an external cavity diode laser using two commercial interference filters that take the place of the common diffraction grating for mode selection. An extension of a single custom filter design [1], our method also includes a half-wave plate and polarizing beam splitter for fine adjustment of the feedback and out-coupling. We will present characterization of the laser.

[1] X. Baillard, et al., Optics Communications 266 (2006) 609–613

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Thad Walker
University of Wisconsin

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