

iLocator: Precision radial velocity measurements at the LBT



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iLocator is a next generation instrument under development at the University of Notre Dame for the Large Binocular Telescope (LBT), AZ, USA. The instrument will search for radial velocity (RV) signatures of exoplanets in the spectra of their host stars and will have the capability to detect terrestrial planets in the habitable zone.

In this talk I present an overview of the key components of the instrument, its updated science cases and the current instrument design. I will discuss the outcomes from the on-sky testing of single-mode optical fiber coupling at the LBT in April 2016 and the plans to bring the full instrument to completion.

Tuesday

November 8

12:30 P.M.

Rm 184 NSH