



“Hot Jupiter” Spectroscopy from the Ground: A Progress Report



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- Utilizing high-resolution NIR spectroscopy from 2 - 4 μm to constrain molecular abundances in exoplanet atmospheres
- Early result: strong constraints on methane emission from HD 189733b (Mandell et al. 2011, see figure below)
- We present ongoing analysis of HD 189733b, discuss upcoming observations of GJ 1214b

