Characterizing Extra-Solar Planets with Low Resolution Spectroscopy





Figure 4 – Best fit effective temperatures versus spectral type for the simulated spectra as shown in Figure 3. Generally J and JH produce similar values.



Figure 5 – Range of best fit effective temperatures & surface gravities for the T2 simulated spectrum determined via Monte Carlo methods. For this object, H & JH spectra result in similar values, and for all three spectra temperature is better constrained than gravity.



Figure 6 – Best fit surface gravity versus spectral type for the simulated spectra as shown in Figure 3. Gravity results are much less consistent than temperature.