



The fingerprint of a star: HD 192263

HD192263 = BD-01°3925 = V1703 Aql is a K2 dwarf star. It has a checkered history as a planet host. Its planet was found, lost, and re-found in the course of a couple years. Our spectrum shows the star with strong Ca II H&K emission and thus being chromospherically very active. This poster shows the optical spectrum of HD 192263 obtained with the Potsdam Echelle Polarimetric and Spectroscopic Instrument (PEPSI) of the Large Binocular Telescope (LBT). It plots the normalized intensity as a function of wavelength λ in Angströms (1Å =0.1nm) from the

top left corner to the bottom right corner. The PEPSI spectrum covers the wavelengths between 3820 Å (top left) and 9130 Å (bottom right) with an average spectral resolution of $R=\lambda/\Delta\lambda=220,000$ or approximately 1.4 km/s. Its average dispersion is 0.012 Å/pixel. Integration time with the LBT was 20 min and consists of 2 exposures in all six cross dispersers. The signal-to-noise ratio (S/N) of the spectrum peaks at 590:1 at 7000 Å and has a low of 70:1 near the blue cutoff. The exposure was obtained on June 6, 2016. A subset of spectral absorption lines is

identified in the graphics and marked with dashes beneath the spectrum. The annotation indicates the chemical element (e.g., Fe for iron), the ionization state (I for a neutral line, II for an ionized line), and the wavelength in Angström. The original spectrum has been published in *Astronomy & Astrophysics* (Strassmeier, K. G., Ilyin, I., & Weber, M. 2018, A&A, 612, A45; see <https://pepsi.aip.de/>).

