

Extreme Precision in Radial Velocity IV



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First results from PEPSI

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We present recent results from the latest addition to the spectrograph zoo: PEPSI, the new bench-mounted fiber-fed and stabilized “Potsdam Echelle Polarimetric and Spectroscopic Instrument” for the 11.8m Large Binocular Telescope (LBT). Besides the LBT the instrument is also fiber linked to a disk-integration solar telescope and the Vatican Observatory’s 1.8m VATT. I will introduce PEPSI and focus on first data and results in order to “feel the taste”. Among the first targets were the Sun and solar twins, Gaia benchmark stars, Jupiter’s Io, planet-host stars with hot Jupiters as well as stars with Earth-sized planets, novae, the ISM, and much more.

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