Talk at Splinter Meeting

Splinter J

Feel the taste: the new Potsdam Echelle Polarimetric and Spectroscopic Instrument for the LBT

K. G. Strassmeier[1], I. Ilyin[1], M. Weber[1] and the entire PEPSI team

[1] *Leibniz-Institute for Astrophysics Potsdam (AIP), An der Sternwarte 16, 14482 Potsdam*

The high-resolution spectrograph PEPSI at the LBT combines the photon-collecting capacity of 110 m^2 (11.8m equivalent telescope diameter) with a predicted spectrograph efficiency of up to 15% at 650nm at a 2-pixel spectral resolution of R=270,000 for the wavelength range 383-907nm. First commissioning observations took place in April and May 2015 with most final optical components in place. First commissioning targets included the Sun (but not with the LBT!), Nova Sgr 2015b, the Gaia benchmark stars, some solar twins and other miscellaneous targets such as the bright Pleiades stars and Jupiter's Galilean moons.