

Exoplanet Science with E-ELT/METIS

S.P. Quanz (1) for the METIS Consortium

(1) Institute for Astronomy, ETH Zurich, Wolfgang-Pauli-Strasse 27, CH-8093 Zurich, Switzerland

Abstract

METIS - the Mid-infrared E-ELT Imager and Spectrograph - is foreseen as one of the instruments for the 39-m European Extremely Large Telescope (E-ELT). It will provide diffraction limited imaging and spectroscopy in the L, M and N band. While being a multi-purpose instrument with a broad and diverse science case, exoplanet research is one of the key science topics for METIS.

In this talk we will present different observing modes for METIS, how they can be applied for exoplanet research and what results one can expect.