

Seminar

von

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High-contrast imaging observations of exoplanets and circumstellar disks

All major ground based observatories are equipped with sophisticated, adaptive optics assisted high-contrast imaging instruments working at optical and/or near-infrared wavelengths. One of the key science drivers for these developments is the direct detection of extrasolar planets and circumstellar disks. In this talk I will motivate the scientific interest in this research field, explain the main challenges for high-contrast imaging observations and how they can be overcome, and give a broad overview about the key scientific results obtained over the last years. I will conclude with an outlook what we can expect in the future with high-contrast imaging instruments at ESO's Extremely Large Telescope and beyond.

Montag, 26. Juni 2017, um 15:00 Uhr im HS

des Institutes für Astrophysik, Türkenschanzstraße 17, 1180 Wien