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**UNIVERSITÄT
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Seminar über Biomedizinische Photonik

Referent/in: Merlin Zraggen, University of Bern

Titel: GJ 357 b, a Rocky Exoplanet - hotter than expected

How close and hot can exoplanets be to still retain an atmosphere? In my work I analyse secondary eclipse (the process when a planet is behind its host star) of GJ-357 b using a JWST MIRI detector at 15 μm . This wavelength band is classically used to discover CO₂ atmospheres. As a part of the Hot Rocks Survey, we discover unseen results of an exoplanet way hotter than expected and discuss possible explanations for this unpredicted behaviour.

This presentation will go from explaining the basic exoplanet detection and characterization method of eclipses and dives into the State-of-the-art science with the JWST.

Zeit: Wednesday February 25, 2025 10:15 Uhr

Ort: Room A97, ExWi, Sidlerstrasse 5, Bern