



ID de Contribution: 8

Type: **Oral presentation**

Characterizing exoplanetary atmospheres with SPIRou

vendredi 1 mars 2024 10:00 (15 minutes)

High-resolution spectroscopy (HRS) enables the unprecedented atmospheric characterization of transiting exoplanets. However, conducting these ground-based observations requires careful data processing and analysis to eliminate the Earth's atmospheric contribution and the signature from the background host star.

In this presentation, I will introduce the techniques currently employed by the HRS community to detect molecular and atomic signatures in the atmospheres of transiting exoplanets. These methods allow us to derive constraints on atmospheric components, investigate potential atmospheric escape, and highlight the complementary nature of ground-based observations to space-based missions such as JWST, PLATO, and Ariel.

Astrophysics Field

Planetology (including small bodies and exoplanets)

Day constraints

I am limited to Friday 1st March only

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Classification de Session: Session 9