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An ESPRESSO view of exoplanetary atmospheres

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I will present new results obtained using the high-resolution ESPRESSO spectrograph by the GTO program for atmospheric characterization of exoplanets.

In particular, I will focus on the detection of atomic/molecular species and on their non-homogeneous distribution among the planetary surface.

The combination of the ESPRESSO performances with the VLT collecting area is opening a new window on exoplanetary atmospheres investigation.

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