



Thomas Masseron

Exoplanets and Solar System

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All along my research career and the various international institutions I have worked in, I have developed a transdisciplinary profile bridging molecular physics and various aspects of stellar spectroscopy. I started my research career between France, Germany and United States looking for the most ancient stars in the Galaxy and constrain their nucleosynthesis. I then moved to Belgium where I studied molecular physics and its application to high resolution spectroscopy and stellar atmospheres. Thanks to these newly acquired skills and my strong experience in stellar spectroscopy, I have been deeply involved in large spectroscopic surveys (Gaia-ESO in UK and APOGEE at IAC) that lead me to study several resolved Galactic populations (halo, disks, globular clusters) and chemical evolution. More recently, the same skills brought me to get involved in projects concerning the detection of exoplanets and their characterization.