



Exploring atmospheres of hot rocky exoplanets

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Atmospheric characterization of super-Earths is one of the key goals of exoplanet science. Atmospheric abundances provide insight on the formation and evolution of those planets and help to put our own rocky planets in context. Nevertheless there are very few atmospheric abundances observed for these planets and their compositions remain mostly unknown. In this talk we will test different potential compositions for super-Earths atmospheres, where we assume N-dominated atmospheres and test different N/O scenarios. We use chemical equilibrium to calculate their chemistry and assess the potential observability of the most abundant species in their atmospheres with current and future instrumentation.