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The complementarity between MOONS and HRMOS at the VLT

Wednesday, 20 October 2021 11:20 (25 minutes)

The Multi Object Optical and Near-infrared Spectrograph (MOONS) instrument is the next generation multi-object spectrograph for the VLT. MOONS will combine for the first time the large collecting power of the VLT with a high multiplexing capability offered by 1000 optical fibres moved with individual robotic positioners and a novel, very fast spectrograph able to provide both low- and high-resolution spectroscopy simultaneously across the wavelength range 0.64μm - 1.8μm. In particular, the near-IR capabilities of MOONS at R~20,000 in its H-band channel are specifically tailored to tackle a variety of key Galactic science cases. In this talk I will provide an overview of the instrument capabilities and science goals to highlight the great complementarity of the parameter space to be covered by having both MOONS and HRMOS facilities at the VLT.

Type

invited talk

Primary author: GONZALEZ, Oscar (UKATC)

Presenter: GONZALEZ, Oscar (UKATC)

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