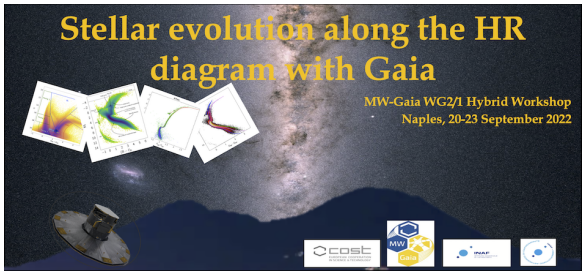

Contribution ID: **83** Type: **not specified**

VLT-MOONS: near-IR multi-object spectroscopy with the VLT and synergies with Gaia (Invited)

Friday, 23 September 2022 11:20 (30 minutes)

The Multi Object Optical and Near-infrared Spectrograph (MOONS) instrument is the next generation multi-object spectrograph for the VLT. This powerful instrument 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 high-resolution modes of MOONS are specifically tailored for a variety of key Galactic science cases. In this talk I will give an overview of the instrument, GTO surveys plans, and capabilities offered to the community with an emphasis in the great complementarity between MOONS and Gaia.

Presenter: GONZALEZ, O.

Session Classification: Synergies