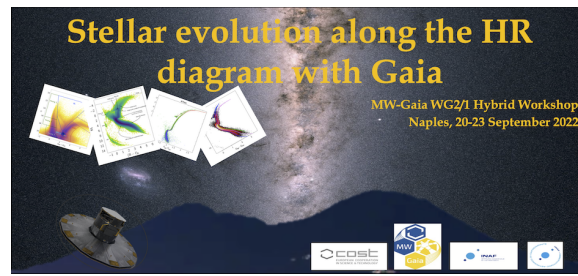


## Stellar evolution along the HR diagram with Gaia



Contribution ID: 82

Type: not specified

## 4MOST revolution and the synergy with Gaia (Invited)

*Friday, 23 September 2022 10:50 (30 minutes)*

I will review some of planned science cases relevant to studies of stellar structure and evolution with 4MOST. In particular, I will focus on the questions that highlight the spectroscopic capabilities of the 4MOST high-resolution spectrograph and capitalise on synergies with Gaia and time-domain photometry missions. The topics that I will address include fundamental stellar parameters, chemical abundance trends in stellar populations, and synergies with asteroseismology, studies of stellar activity, and multiplicity.

**Presenter:** BERGEMANN, M.

**Session Classification:** Synergies