

Stellar evolution along the HR diagram with Gaia



Contribution ID: 58

Type: **not specified**

Stellar models of Massive Stars and GAIA (Invited)

Wednesday, 21 September 2022 12:10 (30 minutes)

In this talk, I shall discuss the main challenges faced by massive star modelling and how the data collected by Gaia may help in overcoming these challenges.

We shall begin by addressing questions related to massive star formation, then discuss the impacts of the physics of transport processes both in convective and radiative layers. We shall comment on the questions of the impact of mass losses and of a surface magnetic field both in single and multiple systems.

Presenter: MEYNET, G.

Session Classification: Stellar evolution and pulsation models