

How accurate are asteroseismic ages for solar-type stars?

Tuesday, 19 September 2017 09:15 (30 minutes)

In this talk I focus on the determination of ages of solar-like non evolved stars through asteroseismology. I will discuss the different methods that have been used in the literature for asteroseismic inference along with the assumptions that go into the modelling. I will also focus on the estimation of internal and external errors using the different methods. By comparing results from recent works on similar stars, I aim to highlight the possible origin of systematic errors and a more realistic precision that we can expect on stellar ages from asteroseismology.

Primary author: CREEVEY, Orlagh (Observatoire de la Cote d'Azur)

Presenter: CREEVEY, Orlagh (Observatoire de la Cote d'Azur)

Session Classification: Solar-type and low-mass stars and the connection to exoplanets