

Detection and Dynamics of Exoplanets (DDE): Interplay between theory and observations



Contribution ID: 105

Type: **not specified**

Transit timing variations with NGTS

Friday 11 July 2025 11:30 (15 minutes)

Measuring transit timing variations allows us to study multi-planet systems, in particular probing planetary masses and dynamics. NGTS, with its high photometric precision, fast cadence and flexible scheduling, is very well suited to measuring transit timing variations. Here we present the suite of NGTS projects aimed at measuring transit timing variations over a range of targets and science cases. We showcase the results we have to date, and discuss the future prospects in the context of the extended TESS mission and the upcoming PLATO mission.

Presenter: BAYLISS, Daniel (University of Warwick)

Session Classification: TTVs and transit-detected compact systems