

The effect of binary formation on planet formation

Wednesday 27 August 2025 15:10 (40 minutes)

In this review, I will provide an overview of the pathways to multiple star formation. I will discuss the improving agreement between theoretical models, numerical simulations, and observational surveys. Due to the very high frequency of stars formed as part of a multiple systems, planet formation should be strongly influenced by stellar companions. I will discuss the statistical evidence for its impact and ongoing work to include multiplicity in planet formation models.

Presenter: Prof. KRATTER, Kaitlin (University of Arizona)

Session Classification: Planet formation and stability in multiple systems