

The formation and long-term evolution of circumbinary planetary systems across the H-R diagram

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Low mass and long period circumbinary exoplanets

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Since 2018 the BEBOP radial velocity survey for circumbinary exoplanet has been monitoring 100 main sequence binaries in both hemispheres. In this talk I will show how we have managed to detect circumbinary planets in single as well as double-lined binaries. I will also show preliminary results about a number of other credible candidates. We find that we do not see the same population of planet than was detected via transit. We postulate this is because many circumbinary planets might be low mass, but high radius planets.

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Session Classification: MS systems