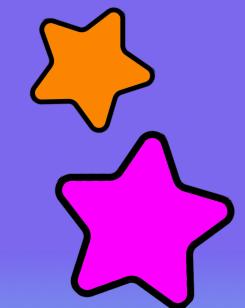


Understanding M Dwarf Radius Inflation Insights from Low-Mass Eclipsing Binaries

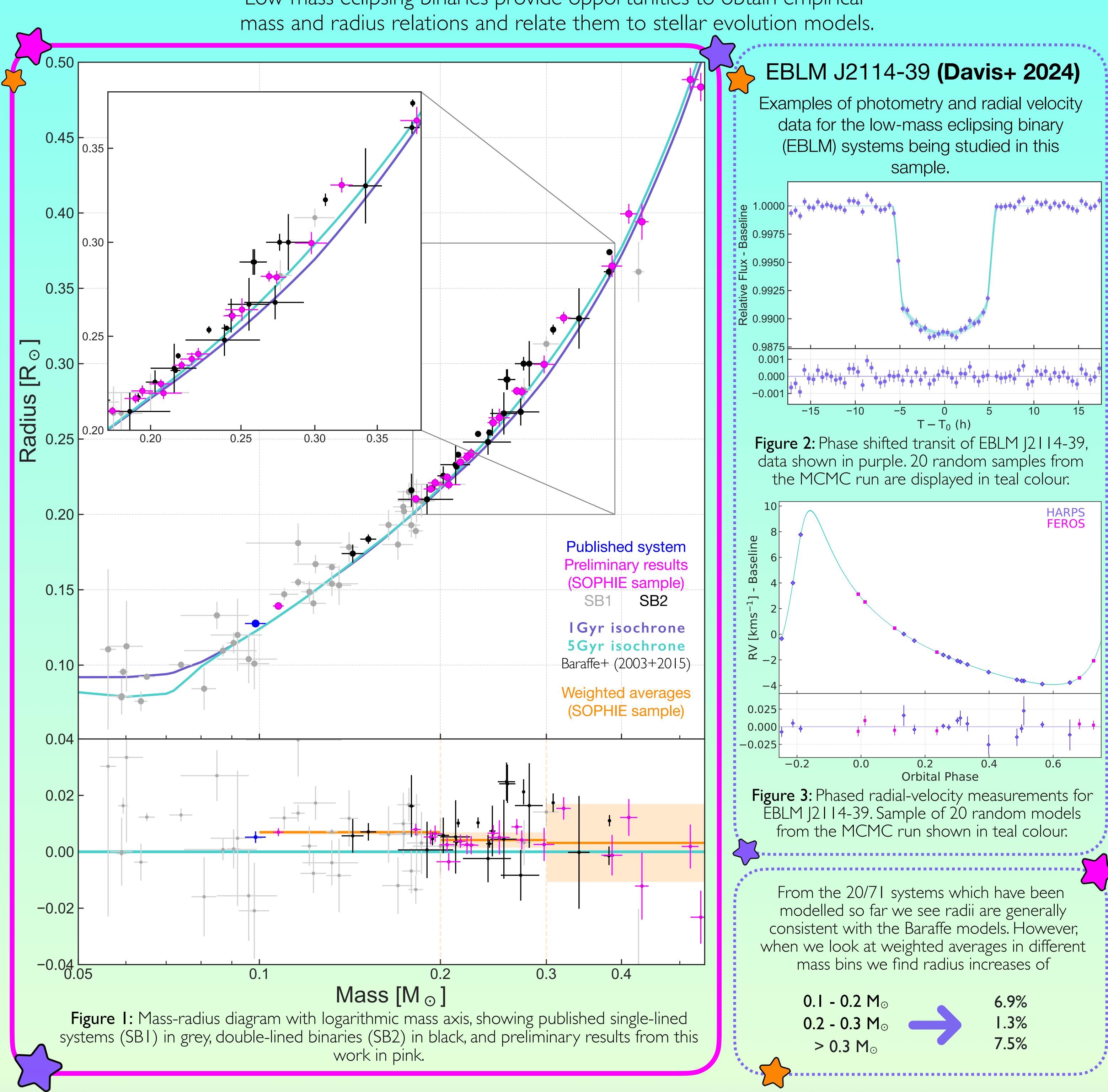


YASMIN T. DAVIS - AMAURY TRIAUD

Low-mass stars are the most common stellar objects in our solar neighbourhood and ideal candidates for the detection of Earth-sized exoplanets.

ACCURATE STELLAR PARAMETERS ARE CRUCIAL TO CONFIDENTLY DETERMINE EXOPLANET

Low-mass eclipsing binaries provide opportunities to obtain empirical



We will have a sample of 71 homogeneously modelled low-mass eclipsing binary (EBLM) systems to investigate radius inflation and calibrate the mass-radius-luminosity-metallicity relation.







EBLM XII Davis+ (2024)

yxd280@student.bham.ac.uk