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Magnetic hints of exoplanets around Sun-like stars

Low-mass main sequence stars often exhibit strong surface magnetic fields, particularly in the case of M dwarfs. Being the most common type of star in the galaxy, M dwarfs likely host the bulk of all exoplanets. If these planets orbit close enough to their host star, they can magnetically interact and enhance the activity of the star. First tentative signs of such interactions have been recently observed at low radio frequencies. In this talk, I will discuss how the magnetic fields of these stars can provide an exciting new window to both discover and study exoplanets and their potentially habitable conditions.