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How rare are the Sun and our Solar System?

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The solar system is a reference for life in the universe, but according to our HARPS/ESO solar twin planet survey, and also based on previous studies in the literature, probably only a small fraction of planetary systems is similar to ours. We are studying different properties of the Sun compared to solar twins, to investigate how common the Sun is, and to assess the possible connection between anomalies in the Sun and the rarity of our Solar System.

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