

Planetary Systems around White Dwarfs

Planetary systems are common around main sequence stars. However, there is little knowledge about their fate once the star evolves off the main sequence. In this talk, I will present various efforts to search for planets around white dwarfs. Currently, four planetary-mass objects have been detected around white dwarfs using four distinctive techniques. Additionally, I will discuss how planetary systems around white dwarfs can be utilized to constrain the chemical composition of extrasolar planetesimals -- the building blocks of extrasolar planets. Looking ahead, there are several on-going and planned telescope projects that can further our understanding of planetary systems around white dwarfs.



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