
Magnetic topologies and magnetic cycles of solar-type stars

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Abstract

Magnetic fields play an important role at all stages of stellar evolution. In solar-type stars, they are generated in the outer convective layers. Studying the large-scale magnetic field of those stars enlightens our understanding of the field properties and gives us observational constraints for the field generation models. In this talk, I will review the current picture of the observed large-scale field of solar-type stars, in particular solar twins and planet-host stars. I will discuss the observations of large-scale magnetic cycles, and compare these to the solar cycle.

*Speaker