
On our understanding of solar and stellar flux variability

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Abstract

Solar and stellar activity manifest itself through the variability of their fluxes at all wavelengths and time scales (from flares to long term trend through cycles of a few years). In this poster, we propose a review of our current understanding of solar flux variability based on direct observations as well as proxies and models. We will discuss the respective influence of different magnetic structures (spots, faculae, network,...) and how the knowledge obtained in the solar case can be used to improve our understanding of fluxes variability on other stars and their modeling.

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