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Interactions between magnetic fields of late-type stars and close-by planets

Late-type main-sequence stars show dynamo-generated magnetic fields that interact with their close-by planets. I shall briefly review the observations that provide information on such interactions considering the emissions in different spectral domains as well as some statistical properties of the stellar outer atmosphere emission and of the stellar rotation. A simple introduction to the mechanisms proposed for the magnetic interactions between stars and close-by planets will be presented. Finally, I shall discuss the combined effects of tides and magnetic fields on the evolution of stellar rotation and some possible effects of the tides on the magnetic fields in the stellar interiors that may affect stellar activity.