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Effects of primordial magnetism on warm inflation scenarios

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Magnetic fields are ubiquitous in the Universe and their generation mechanism is an open problem in cosmology. Their presence on all scales strengthens the idea of a primordial origin. If this is the case, a magnetic cosmological model has to be built. Here, we discuss the possible effects that primordial magnetic fields can have on a warm inflation scenario, in particular on the inflaton effective potential.

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