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Impact of H_0 priors on f(T) late time cosmology

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We perform observational tests on the f(T) gravity using the Cosmic Chronometer data, SNIa data and BAO data together with three different independent measurements of the current value of H_0 . In this work, we investigate the impact of these priors on five core models in f(T) gravity. In addition, we perform background studies on these models to better distinguish the impacts of the priors and f(T) models. To do so, the Markov chain Monte Carlo (MCMC) technique was used in order to constrain the varying parameters of the models, including the Hubble constant H_0 . These models, in turn, are compared to the Λ CDM model which allows us to investigate the H_0 tension.

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