

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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