

Abstract

We analyse CMB data in a manner which is as model-independent as possible. We encode the effects of late-time cosmology into a single parameter which describes the distance to the last scattering surface, similar to the shift parameter, and exclude low multipoles, up to $l = 40$ from the analysis. We consider the WMAP five-year as well as ACBAR 2008 observations. We obtain constraints on ω_b, ω_m and n_s , which can be applied as priors in other analysis without committing to a specific model of the late universe.