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Parameter Estimation Forecasts in Cosmology RAHUL BISWAS, University of Illinois at Urbana-Champaign — In the current era of precision cosmology, new extremely well planned missions are being designed to study cosmology to unprecedented detail. This will not only allow us to constrain the free parameters in the standard model of cosmology, but also to test the departures (or lack of departure) from the model itself. In order to optimize the scientific impact of these missions, it is therefore essential to forecast the constraints accurately, as well as study different ways in which the data may used to to constrain cosmology. We discuss forecasts, in particular pertaining to dark energy studies, from planned observational surveys.

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