

## **Future Constraints on Dark Energy using 21cm observations with SKA1-mid**

In this work, we study the future constraints on dark energy models using 3D 21-cm power spectrum for SKA1-mid. We use three parametrisations for the dark energy equation of state. For each model, we compare the deviations in 3D power spectrum for each parametrisation from concordance LCDM model. We show that the SKA1-mid will be able to put significantly tighter constraints on dark energy behaviour compared to present constraints.

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