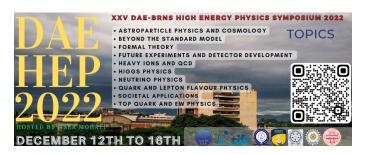
## XXV DAE-BRNS High Energy Physics Symposium 2022



Contribution ID: 146 Type: Poster

## Constraining the self-coupling (sixth order) of the inflaton field in the AdS swampland conjecture based on CMB observations

Monday 12 December 2022 14:00 (1 hour)

In the light of various CMB missions, the potential offered by AdS swampland conjectures is investigated. Recent CMB observations bound the sixth-order self-coupling of the inflaton field in the AdS swampland conjectures. Current observations can not rule out the inflaton field arising from AdS swampland conjectures.

## Session

Astroparticle Physics and Cosmology

Authors: DAS, Somnath; Prof. P K, Suresh (University of Hyderabad)

Presenter: DAS, Somnath

Session Classification: Poster - 1