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

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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

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