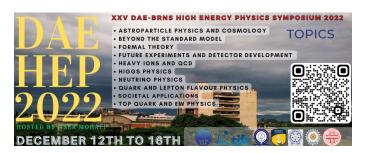
XXV DAE-BRNS High Energy Physics Symposium 2022



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A POSSIBLE SOLUTION TO THE HUBBLE TENSION FROM QUANTUM GRAVITY

Tuesday 13 December 2022 14:00 (1 hour)

Keywords: Hubble tension, inflation, quantum gravity, effective field theory.

Recent observations from CMB, Planck and supernovae measurements show a discrepancy in the present estimated value of the Hubble parameter, known as the Hubble tension. In the present work, we seek the possibility of addressing the Hubble tension in the inflationary scenario with quantum gravity effect in the frame work of effective field theory. Further, we investigate the role of quantum gravity on the phase transition of the hybrid inflation in the light of Hubble tension and scrutinise the results with various observations.

Session

Astroparticle Physics and Cosmology

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Session Classification: Poster - 2