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A POSSIBLE SOLUTION TO THE HUBBLE TENSION FROM QUANTUM GRAVITY

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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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