

Emergent dark energy from loop quantum cosmology

Tuesday 7 May 2024 14:00 (15 minutes)

By using the regularization freedom of the Hamiltonian constraint for loop quantum gravity, the observational cosmological constant can emerge at large volume limit from the model of loop quantum cosmology, and the effective Newtonian constant satisfies the experimental restrictions in the meantime. Therefore, the so-called dark energy could be an emergent effect of LQG.

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Session Classification: Cosmology