Contribution ID: **20** Type: **Lightning talk**

Quintessential inflation in Palatini F(R,X) gravity

Wednesday 12 March 2025 17:10 (5 minutes)

Palatini F(R,X) gravity, with X the inflaton kinetic term, proved to be a powerful framework for generating asymptotically flat inflaton potentials. Here we show that the general form of the F(R,X) potential also provides a tail that generates, in principle, quintessential behavior for dark energy. We describe a few examples that fit the observed value of the cosmological constant and discuss the pros and cons of those models.

Author: DIOGUARDI, Christian (NICBP)

Co-author: RACIOPPI, Antonio (National Institute of Chemical Physics and Biophysics (EE))

Presenter: DIOGUARDI, Christian (NICBP)

Session Classification: Lightning talks