Sixteenth Marcel Grossmann Meeting



Contribution ID: 270

Type: Talk in the parallel session

Tracker phantom field and a cosmological constant: dynamics of a composite dark energy model

Tuesday, 6 July 2021 11:10 (20 minutes)

We study here phantom models of dark energy represented by a scalar field and with tracker properties. By means of a change of polar-like of variables, we study a general class of models classified in terms of a set of three free parameters. Upon comparison of the models with observations, and considering Bayesian evidence, our results suggest a preference for phantom-like dark energy and possibly a negative cosmological constant.

Primary authors: URENA-LOPEZ, Luis (Universidad de Guanajuato, Mexico); Dr ROY, Nandan (Centre for Theoretical Physics & Natural Philosophy, Mahidol University); Dr LINARES CEDEÑO, Francisco (Mesoamerican Centre for Theoretical Physics, Universidad Autónoma de Chiapas)

Presenter: URENA-LOPEZ, Luis (Universidad de Guanajuato, Mexico)

Session Classification: Dark Energy and the Accelerating Universe

Track Classification: Dark Energy and Large Scale Structure: Dark Energy and the accelerating

universe