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Type: **Talk**

Inflating and Reheating the Universe with an Independent Affine Connection

Monday 5 September 2022 16:30 (20 minutes)

It will be discussed how a component of the dynamical affine connection, which is independent of the metric, can drive inflation in agreement with observations. This provides a geometrical origin for the inflaton. It will also be illustrated how the decays of this field, which has spin 0 and odd parity, into Higgs bosons can reheat the universe up to a sufficiently high temperature.

(Based on arXiv:2207.08830)

Is this abstract from experiment?

No

Name of experiment and experimental site

N/A

Is the speaker for that presentation defined?

Yes

Details

Prof. Alberto Salvio (University of Rome and INFN Tor Vergata)

Internet talk

Yes

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