Contribution ID: **70**   Type: **Talk**

The Tadpole Problem

Monday 12 September 2022 16:20 (20 minutes)

The fluxes that stabilize the complex-structure moduli of string compactifications give rise to a nontrivial D3 charge, which needs to be canceled by other objects in the compactification. I will present arguments that this is impossible when the number of complex-structure moduli is large. This indicates that all String-Theory compactifications on manifolds with a large number of complex-structure moduli have massless scalars and hence are not suited for phenomenology.

Is this abstract from experiment?

No

Name of experiment and experimental site

Is the speaker for that presentation defined?

Yes

Details

Internet talk

Maybe

Author: BENA, Iosif

Presenter: BENA, Iosif

Session Classification: Cosmology, Astrophysics, Gravity, Mathematical Physics