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Type: 20 minutes talk

Gravity at the Tip of the Throat

Thursday, 16 December 2021 18:30 (30 minutes)

Warped throats have been a major tool in trying to connect string theories with our 4d Universe, in particular for their ability to suppress high energy scales.

An explicit description of such a throat (the deformed conifold) can be used to perform explicit computations to determine how the throat affects gravity in 4d.

In this talk I will briefly show how a tower of massive graviton modes arises in the 4d theory and describe some effects of warping on gravity were we to live on a 3 dimensional brane at the tip of the throat, focusing on corrections to the Newtonian gravitational potential.

Could you please give the most relevant category for your talk?

Gravity

Will you be pre-recording your talk?

No

Would you be interested in receiving feedback on your presentation?

Yes

Are you happy for your talk to be recorded?

Yes

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Session Classification: Full-length talks