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Type: **Parallel talk**

On the vacuum structure of F-theory compactifications

Thursday, 22 June 2017 15:45 (15 minutes)

We study moduli stabilization of F-theory compactified on an elliptically fibered Calabi-Yau fourfold arising from open mirror symmetry prescription including the brane deformation.

We focus on a particular background and utilize associated fourfold periods to determine the properties of resulting 4D $calN = 1$ effective theory for moduli fields. We find that the F-theory vacua has a remarkable structure even before taking into account the Kähler moduli stabilization.

Presentation type

Parallel talk

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