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Flavor Symmetry and CP Violation from String Theory

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A natural way to embed flavor symmetry and CP violation in string theory is presented. In the low energy effective theory CP is broken by the presence of heavy string modes and CP violation is the result of an interplay of CP and flavor symmetry. As an application, CP violating decays of heavy string modes are briefly discussed that could give rise to a cosmological matter-antimatter asymmetry.

Content of the contribution

Theory

Author: Dr VAUDREVANGE, Patrick (TU Munich)

Presenter: Dr VAUDREVANGE, Patrick (TU Munich)

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