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Disentangling the flavor puzzle with strings

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Semi-realistic string models offer a plausible path to uncover the flavor structure of particle physics, which improves over models based on pure traditional or pure modular flavor symmetries. Interestingly, the eclectic flavor picture they exhibit, leads to realistic patterns of fermion masses and mixings, which depend on a modulus and matter-field configuration. Further, string models display all the right ingredients to arrive at a dynamic mechanism to stabilize such configurations.

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