



Contribution ID: 97

Type: **Invited Talk**

## Globally Consistent F-theory Standard Models with Matter Parity

*Thursday 29 November 2018 11:50 (35 minutes)*

We present recent developments in F-theory compactifications. We focus on advances in constructions of globally consistent F-theory compactifications with continuous and discrete gauge symmetries and emphasize new insights into global constraints on allowed matter representations. We highlight the first example of the three family Standard Model with  $Z_2$  matter parity and a subsequent systematic exploration of a landscape of related F-theory models.

### Content of the contribution

Theory

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**Session Classification:** Plenary

**Track Classification:** [7] Strings, branes, extra dimensions and discrete symmetries