

## Naturalness vs. stringy naturalness

*Thursday 16 May 2019 11:30 (25 minutes)*

Douglas introduced the notion of stringy naturalness: the value of an observable in string theory is more natural if more phenomenologically acceptable landscape vacua lead to its value versus some other value.

I compare this notion of naturalness to other conventional measures. Stringy naturalness applied to the electroweak scale seems to imply a Higgs mass  $m_h \sim 125$  GeV with all sparticles currently beyond the reach of LHC Run 2.

### Preferred Session

Phenomenology

### Comments

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**Session Classification:** Supersymmetry and Naturalness