

## **Z' explanation for $R_K^*$**

*Thursday 18 April 2019 09:00 (25 minutes)*

We shall review simplified  $Z'$  models as explanations for discrepancies between measurements of certain neutral current B meson decays and Standard Model predictions. We provide estimates of LHC and future collider sensitivity. Then a more complete model is introduced: The Third Family Hypercharge Model, which also explains some coarse features of the fermion mass spectrum.

**Author:** Prof. ALLANACH, Ben (University of Cambridge)

**Presenter:** Prof. ALLANACH, Ben (University of Cambridge)

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