

## Higgs-mass constraints on a supersymmetric solution of the muon $g - 2$ anomaly

Explaining the muon ( $g-2$ ) anomaly, reported by Fermilab in 2021, imposes constraints on various Beyond Standard Model theories. In our work with Pietro Slavich (arXiv 2109.15277), we focus on a supersymmetric extension to the SM with four Higgs doublets. We show how the interplay between a correct Higgs mass prediction - calculated in the EFT approach - and explaining the muon ( $g-2$ ) anomaly constrains the parameter space of this model.

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