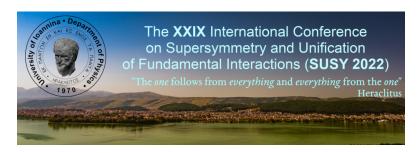
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Higgs-mass constraints on a supersymmetric solution of the muon g-2 anomaly

Wednesday 29 June 2022 18:20 (20 minutes)

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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