

Planck scale boundary conditions in extended Higgs sectors

Friday, 6 July 2018 20:15 (15 minutes)

The Higgs boson quartic couplings and their beta functions appear to be tantalisingly close to zero at the Planck scale. We investigate extended Higgs models, including extra Higgs doublets and/or singlets, to see if the vanishing of quartic couplings can be made exact while still producing the correct Higgs mass and satisfying experimental constraints.

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Session Classification: POSTER

Track Classification: Beyond the Standard Model