

# Scalars 2015

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## What 126 GeV Higgs mass means?

**Content :**

126 GeV Higgs mass indicates a vanishing Higgs potential at the high energy scale (around  $10^{10}$  GeV) in the framework of the standard model (SM). It seems to indicate a hint of new physics beyond the SM. I will suggest various possibilities of the SM extensions from the view point of vacuum stability, naturalness, gauge coupling unification and so on.

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