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For 50 fb-1 data collected how many higgs will be produced by (13 TeV):

i) gg fusion

ii) VBF (vector boson fusion)

iii) VH

How many of these will decay with $b\bar{b}$ pairs in each of these?

Given such numbers, why is the signal observed in the measured channels so small? Name the major problems.

What is meant by systematic uncertainties?