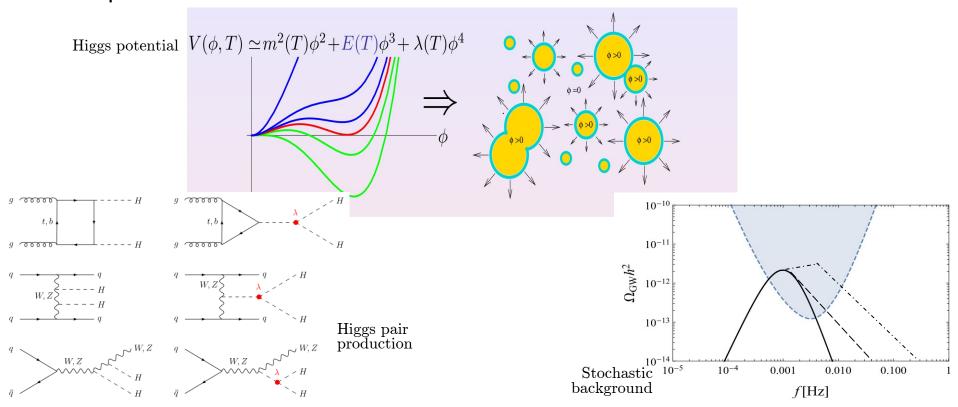


- > Sounds a nice statement for an advertisement but is it true?
- > In which way are they synergetic? Which observables are really synergetic?
- What do we learn from these observables? Are conclusions model dependent or independent?
- What searches are most suitable for these observables? What is their forecast accuracies (when combined)?
- > Any need to understand all that now? Can the results from the collider program influence the GW experimental program (or vice versa)?

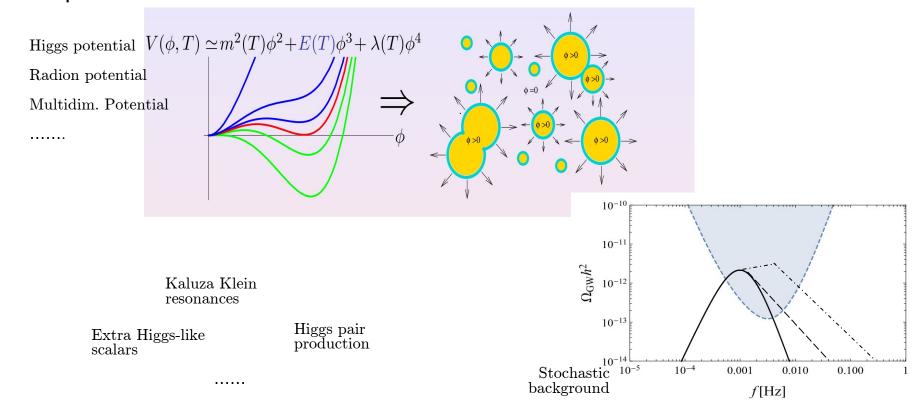
- > Sounds a nice statement for an advertisement but is it true? YES
- > In which way are they synergetic? Which observables are really synergetic?

NO EXHAUSTIVE, GENERIC ANSWER. But we have some educative, specific examples. One of them:



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NO EXHAUSTIVE, GENERIC ANSWER. But we have some educative, specific examples. One of them:



> What do we learn from these observables? NOT UNIQUE ANSWER (Higgs potential, extradimensions, ...)

Are conclusions model dependent or independent? MODEL DEPENDENT

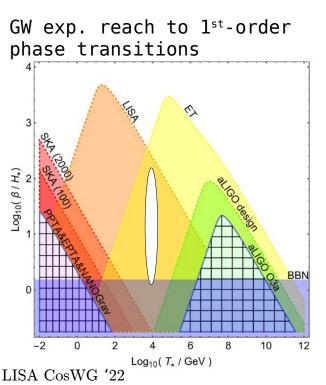
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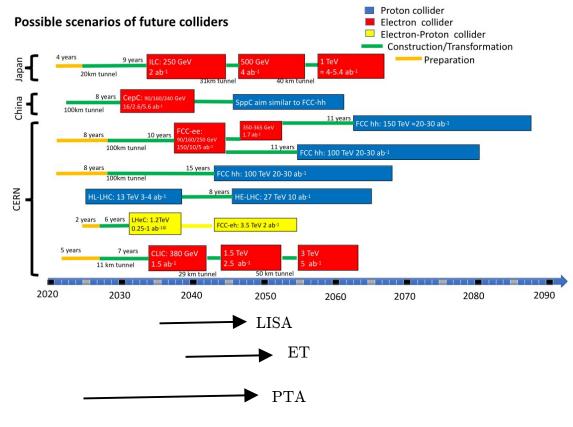
SOME STUDIES IN THE LITERATURE but NOT EXHAUSTIVE ANSWER.

IN GENERAL, DIFFICULT TO GET PRECISE ANSWERS.
THIS REQUIRES ADVANCED EXPERTISE AND TOOLS ON BOTH GW
AND COLLIDER EXPERIMENTS

Any need to understand all that now? Can the results from the collider program influence the GW experimental program (or vice versa)?

H.M. Gray '21





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Let's see what Michael, Chiara and Pedro will say