

Gravitational Waves as a cosmological signature of the SM Higgs instability:

For the current central values of the Higgs and top masses, the Standard Model Higgs potential develops an instability at a scale of the order of 10^{11} GeV. We show that a cosmological signature of such instability could be the generation of gravitational waves detectable by LISA and we characterize their two- and three-point correlators.

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Classification de Session: Talks and group discussions