

# Decay rate of the SM Higgs boson to bottom quarks at $O(\alpha^2)$

*Wednesday 2 September 2015 16:55 (25 minutes)*

In this talk, we are going to report on the recent calculation of the decay rate of the SM Higgs boson to bottom quarks at  $O(\alpha^2)$  and discuss its phenomenological implications. In the second part of the talk, we would like to point out the significance of these results in constraining the possible SM extensions.

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