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Completing the hadronic Higgs boson decay at order

$$\alpha_s^4$$

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We compute top-quark induced contributions to the hadronic decay of the standard model Higgs boson, to the fourth order in α_s . We work in an effective theory in which the Higgs boson may couple directly to bottom quarks and gluons. Our results prove to be of a comparable size to the purely massless contributions available in the literature.

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