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## Measurement of hadronic Higgs boson decays at FCC-ee to constrain quarks and gluon couplings

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We report on the latest sensitivity studies of FCC-ee to the measurement of the branching ratios of Higgs boson decays to quark-antiquark pairs and gluons.

The studies use simulated events scaled to integrated luminosities of 10.8/ab of  $\sqrt{s}=240$  GeV and 3.0/ab of  $\sqrt{s}=365$  GeV.

Jet flavour tagging is exploited to distinguish among different Higgs boson decays.

Various final states ( $H(jj) + ee/\mu\mu$ ,  $H(jj) + jj$  and  $H(jj) + \text{missing energy}$ ) are reconstructed and a joint interpretation of their results is performed.

The expected precision in the branching ratios of decays to b,c,g is at the %-level or better, while that for the  $H \rightarrow ss$  decay is close to the predicted branching ratio in the Standard Model.

**Primary authors:** MALOIZEL, Alexis (APC, Paris); MARCHIORI, Giovanni (APC Paris)

**Presenter:** MALOIZEL, Alexis (APC, Paris)

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