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## Single- vs multiple-Higgs production: a portal on heavy top-partners

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### **Abstract:**

We consider extensions of the Standard Model with multiplets of vector-like fermions coupling to the third-generation quarks. We analyse the constraints from electroweak precision tests on these models. We show that we can gain hints on the nature of the new particles by comparing single- and double-Higgs production, as they can be modified with respect to the Standard Model in different ways.

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