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## Model Agnostic limits on Colored Naturalness

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Many models that explain naturalness introduce colored top partners to cancel the top quadratic divergence. These colored top partners modify SM rates of gluon fusion and Higgs decays to  $gg$  and  $\gamma\gamma$ . We present a model agnostic analysis of scalar, fermionic and vector top partners and discuss the potency of other BSM scenarios like invisible Higgs decays to hide these colored top partner signatures. We also present caveats that throw up model building challenges.

### Summary

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