

Colorless Top Partners at the LHC

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The impressive sensitivity of the LHC to new colored states has begun to constrain the simplest solutions to the hierarchy problem. Taking naturalness and experiment at face value, we are led to consider models that can address the hierarchy problem without light colored partners to the standard model fermions. I consider three representative models with colorless top partners and detail how they can be tested at the LHC, both through Higgs precision measurements and novel collider signatures.

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