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Effective field theory results in Higgs and top sector from the CMS experiment

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Despite an extensive set of searches for physics beyond the standard model, no smoking-gun evidence of resonant phenomena is observed so far at the LHC. Nevertheless, the recent application of effective field theories (EFT) demonstrates that subtle deviations, hiding in the observables' distributions, can probe new physics at energy scales often exceeding the LHC's reach in the direct searches. In this talk, the latest results from the CMS experiment on the searches for the signature of effective field theory operators involving top quark and Higgs boson will be presented.
Below is a tentative list of results to be reviewed.
1. arXiv:2205.05120
2. Phys. Rev. D. 104 (2021) 052004
3. arXiv:2208.12837
4. JHEP 05 (2022) 091

Session

Higgs Physics

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