Public repository for limits on SMEFT Wilson coefficients
smeftbounds.github.io

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Purpose:

→ There are 2499 SMEFT dimension-six Wilson coefficients (WCs) in Warsaw basis.

→ Literature reveal limits on many of these WCs. (Global fit, individual WCs, ...)

→ It is desirable to have an up-to-date catalogue of these limits.

  • Comparison, quick reference to strictest limits.

  • Look at the most sensitive processes.

  • Estimate available room for BSM parameters.
The template:

- Feeding the dataset
- `template.json` available in the Github repo.
- Users submit limits in a `.json` file in the given format (or use HepData?)
- The repository auto-updates with the limits. The WCs reflect it accordingly.
Thank you!