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ATLAS-CMS EFT combination

Combination of EFT results from ATLAS and CMS requires a good understanding of underlying physics processes and systematics treatment. We, in the LHCtopWG, explore the fit models that are used in both experiments to approach the EFT combination by preserving a full-likelihood information in the fit. Preliminary results with the first comparisons are presented together with practical challenges that might be considered in the current and/or future activities of the LHC EFT WG. In addition, we give a short summary of an ongoing effort to make common top quark MC samples to be used as basis for comparisons, cross checks and validation across experiments. The idea can be developed further to include EFT, in view of full likelihood combinations.

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