

LHC EFT WG



Area 1: EFT formalism

Webpage: <https://lpc.web.cern.ch/lhc-efw>

Mailing list: <https://simba3.web.cern.ch/simba3/SelfSubscription.aspx?groupName=lhc-efw>

Indico: <https://indico.cern.ch/category/12671>

WG agenda [indico]

February 2021

22 Feb [TBC]

08 Feb Area 5 meeting: benchmark scenarios from UV models

January 2021

27 Jan Area 4 meeting: fits and related systematics

19 Jan Area 1. EFT formalism: follow-up meeting

11 Jan Area 3 meeting: experimental measurements and observables

December 2020

14 Dec Area 2 meeting: predictions and tools

07 Dec Area 1 meeting: EFT formalism

(EW inputs, conventions, translations)

October 2020

19 Oct - 20 Oct 1st General Meeting of the LHC EFT Working Group

April 2020

17 Apr LHC EFT Working Group: preliminary open discussion

Today's meeting: *truncation, uncertainties, validity*

Call: “proposals, shorter than one page, about prescriptions for the **EFT truncation** , the estimate of associated **uncertainties** , and mechanisms for assessing the **validity** of the EFT in specific measurements as well as in global fits”

14:05 → 14:25 *Use and reuse of SMEFT technical detail*, André David (CERN) , Giampiero Passarino (Torino U.)

14:25 → 14:45 *Impact of dimension 8 operators*, Veronica Sanz Gonzalez (U. of Sussex)

14:45 → 15:05 *The geometric SMEFT*, Adam Orion Martin (U. of Notre Dame)

15:35 → 15:55 *Proposal presentation*, William Shepherd (Sam Houston State U.), [proposal.pdf](#)

15:55 → 16:15 *Proposal presentation*, Ken Mimasu (King's College London) *et al.*, [eft_trunc_unc_val.pdf](#)

16:15 → 16:35 *Proposal presentation*, Christophe Grojean (DESY and Humboldt U.) *et al.*, [EFTvalidity.pdf](#)

16:35 → 18:00 *Discussion*

Coffee break

We'll resume at 3:35 CET