

# 3rd General Meeting of the LHC EFT WG

## Introduction

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(on behalf of the WG Conveners)

Nov 22 2021

# Introduction

First Open Meeting of the WG was held a year ago

- Divided the activities of the group into 5 areas
- Added a 6<sup>th</sup> area earlier this year (focused on flavor)
- Each activity area has held meetings in the last year

Working towards recommendations in various areas

- First note from Area 1 on Electroweak Input Parameters ready to be released (will be on arXiv)
- More notes expected in the next year

Summary of recent meetings on next slides

- Link to WG indico meetings [HERE](#)

# Introduction

## Meetings of the first 6 months of WG

April 2021

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 12 Apr [Area 6 meeting: Heavy flavour aspects in EFT fits](#)

February 2021

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 22 Feb [Areas 3&4 meeting: experimental measurements, fits and related systematics](#)

 08 Feb [Area 5 meeting: Benchmark scenarios from UV models](#)

January 2021

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 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

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 14 Dec [Area 2 meeting: predictions and tools](#)

 07 Dec [Area 1 meeting: EFT formalism](#)

October 2020

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 19 Oct - 20 Oct [1st General Meeting of the LHC EFT Working Group](#)

# Introduction

## WG meetings in the last 6 months (+3 upcoming meetings)

January 2022

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 31 Jan [LHC EFT Area 2 meeting \(Recent studies and comparisons\)](#)

 25 Jan [LHC EFT Topical meeting: basis flavour choices](#)

November 2021

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 22 Nov [3rd General Meeting of the LHC EFT Working Group](#)

October 2021

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 25 Oct [Area 4 meeting: ATLAS+CMS combination conventions](#)

 08 Oct [Area 5 meeting: Benchmark scenarios from UV models](#)

August 2021

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 03 Aug [Postponed till autumn: Area 5 meeting: Benchmark scenarios from UV models](#)

June 2021

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 28 Jun [Area 1, EFT formalism](#)

May 2021



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 03 May [2nd General Meeting of the LHC EFT Working Group](#)

# Introduction

## WG meetings in the last 6 months (+3 upcoming meetings)

January 2022

-  31 Jan [LHC EFT Area 2 meeting \(Recent studies and comparisons\)](#)
-  25 Jan [LHC EFT Topical meeting: basis flavour choices](#)

+ Area 4 Meeting on fitting exercise in Dec. or Jan.

November 2021

-  22 Nov [3rd General Meeting of the LHC EFT Working Group](#)

October 2021

-  25 Oct [Area 4 meeting: ATLAS+CMS combination conventions](#)
-  08 Oct [Area 5 meeting: Benchmark scenarios from UV models](#)

August 2021

-  03 Aug [Postponed till autumn: Area 5 meeting: Benchmark scenarios from UV models](#)

June 2021

-  28 Jun [Area 1, EFT formalism](#)

May 2021

-  03 May [2nd General Meeting of the LHC EFT Working Group](#)

# Introduction

Main Twiki page can be found [HERE](#). Detailed information on ongoing work available in each activity area's twiki page

[TWiki](#) > [LHCPhysics Web](#) > [LHCEFT \(2021-09-14, GiovanniPetrucciani\)](#)

## The LHC EFT Working Group Twiki page

This is the public home page of the LHC Effective Field Theory Working Group. The mandate of the group can be found on the [main LPCC EFT WG web page](#)

\* [Sign up](#) to the general WG mailing list

\* [Send mail](#) to conveners

↓ [The LHC EFT Working Group Twiki page](#)

↓ [Activity Areas](#)

↓ [Working group meetings:](#)

↓ [Upcoming Meetings:](#)

↓ [Past Meetings:](#)

↓ [Documents](#)

↓ [useful links](#)

## Activity Areas



















The activities of the group are divided into 6 areas. The wiki pages associated with each area are given below:

- [EFT Formalism](#)
- [Predictions and Tools](#)
- [Experimental Measurements and Observables](#)
- [Fits and Related Systematics](#)
- [Benchmark Scenarios from UV Models](#)
- [Flavour](#)

## Working group meetings:

- General and activity area meetings: [Indico category](#)

# Agenda of Today's Meeting

<b>14:00</b> → 14:10	<b>Introduction</b> Speaker: Pierre Savard (University of Toronto (CA))	🕒 10m 
<b>14:10</b> → 15:00	<b>Experiment summaries</b> ATLAS Speaker: Rahul Balasubramanian (Nikhef National Institute for subatomic physics (NL))	🕒 50m  🕒 25m 
	CMS Speaker: Matteo Presilla (INFN)	🕒 25m 
<b>15:00</b> → 15:40	<b>Area 2</b> Introduction Speaker: Pierre Savard (University of Toronto (CA))	🕒 40m  🕒 5m 
	CMS Studies: Comparison of EFT Monte Carlo modeling of the Higgs boson couplings Speaker: Jeffrey Davis (Johns Hopkins University (US))	🕒 15m 
	ATLAS Studies Speaker: Eleonora Rossi (Centre National de la Recherche Scientifique (FR))	🕒 15m 
<b>15:40</b> → 16:20	<b>Area 3</b> Introduction Speaker: Nuno Castro (LIP and University of Minho (PT))	🕒 40m  🕒 10m 
	Map between Processes and Operators Speaker: Juan Rojo (VU Amsterdam and Nikhef)	🕒 20m 
<b>16:20</b> → 16:40	<b>Coffee</b>	🕒 20m
<b>16:40</b> → 16:55	<b>Area 1</b>	🕒 15m 
<b>16:55</b> → 17:20	<b>Area 4</b> ATLAS-CMS Experimental Combination Speaker: Hannes Mildner (University of Sheffield (GB))	🕒 25m  🕒 20m 
	<b>Area 5</b> Update on SMEFT matching Codes Speaker: Anders Eller Thomsen (Bern University)	🕒 20m  🕒 20m 
<b>17:40</b> → 18:05	<b>Area 6</b> Summary of the flavour anomaly workshop Speaker: Patrick Haworth Owen (University of Zurich (CH))	🕒 25m  🕒 20m 
	<b>18:05</b> → 18:15	<b>Discussion</b>