



# Introduction

Arnaud Ferrari  
Uppsala University, Sweden  
(on behalf of the conveners)

LHC-HH meeting, 25/09/2020

# LHC-HH = HH cross-group of the LHC Higgs Working Group

- ▶ *Conveners:* Ramona Gröber, Javier Mazzitelli, Maggie Mühlleitner (theory), Luca Cadamuro (CMS) and Arnaud Ferrari (ATLAS).
- ▶ *Twiki page:*  
<https://twiki.cern.ch/twiki/bin/view/LHCPhysics/LHCHXSWGHH>
- ▶ *ATLAS-CMS-Theory meetings every 3 months*

## *General news in this introduction:*

- ▶ Venue and dates of the Higgs Pairs 2021 Workshop;
- ▶ Preparation of the next LHC-HH meeting during the November General Assembly of the LHC Higgs Working Group.

# Higgs Pairs 2021 Workshop

We received four excellent expressions of interest to host the Higgs Pairs 2021 Workshop: CERN, Dubrovnik, Madrid, Shanghai. Thanks to all people who have prepared those bids. Their high quality was reflected in the closeness of the votes and the winner is...

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Dubrovnik, September 27 to October 2, 2021



# Next LHC-HH meeting during the General Assembly


Indico agenda [here](#).


- ▶ Cross-group talk on the top-quark mass scheme uncertainty in the afternoon of November 10th;
- ▶ LHC-HH plenary meeting in the afternoon of November 11th:
  - ▶ One experimental summary talk;
  - ▶ Several shorter talks covering the latest developments in cross-sections at higher orders, theoretical uncertainties, resonant models in ggF and VBF, Monte Carlo tools, EFT interpretations, etc

⇒ Please contact us if you want to contribute!

# Today's meeting

## LHC-HH Subgroup Meeting

 Friday 25 Sep 2020, 14:00 → 15:30 Europe/Zurich

 [Arnaud Ferrari](#) (Uppsala University (SE)) , [Javier Mazzitelli](#) (Max-Planck-Institut für Physik München) ,  
[Luca Cadamuro](#) (University of Florida (US)) , [Margarete Mühlleitner](#) (KIT) ,  
[Ramona Groeber](#) (Università di Padova and INFN, Sezione di Padova)

**Description** *Discussion on Higgs boson pair production within the LHC Higgs Cross-Section Working Group:*



**Join Zoom Meeting:** <https://uu-se.zoom.us/j/64290287153?pwd=R0RXRk5pcUFWSkNEc3FUMjZKSXkVFDz09>

Meeting ID: 642 9028 7153


Password: 125125

**Vidyo will only be used as back-up, see link below.**


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**Videoconference Rooms**  HH\_Subgroup\_Meeting Join 

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**14:00** → 14:10 **Introduction** 🕒 10m 

**Speakers:** [Arnaud Ferrari](#) (Uppsala University (SE)), [Javier Mazzitelli](#), [Luca Cadamuro](#) (University of Florida (US)), [Margarete Mühlleitner](#) (KIT), [Ramona Groeber](#) (Università di Padova and INFN, Sezione di Padova)

**14:10** → 15:30 **Top-quark mass scheme uncertainty (including discussion)** 🕒 1h 20m 

**Speaker:** [Michael Spira](#) (Paul Scherrer Institute (CH))