

# BSM models in Vector Boson Scattering processes



## Report of Contributions

Contribution ID: 1

Type: **not specified**

# Welcome

*Wednesday, 4 December 2019 14:00 (10 minutes)*

Contribution ID: 2

Type: **not specified**

## Theory introduction on BSM models

*Wednesday, 4 December 2019 14:10 (30 minutes)*

**Presenter:** BISHARA, Fady Adibsamy (DESY)

Contribution ID: 3

Type: **not specified**

## **Experimental SM results in multi-boson / VBF / VBS and future prospects**

*Wednesday, 4 December 2019 14:45 (30 minutes)*

**Presenter:** LONG, Kenneth (CERN)

Contribution ID: 4

Type: **not specified**

## Theory introduction on EFT (remote)

*Wednesday, 4 December 2019 16:10 (30 minutes)*

**Presenter:** BRIVIO, Ilaria (University of Heidelberg)

Contribution ID: 5

Type: **not specified**

## VBS simplified models

*Wednesday, 4 December 2019 16:45 (30 minutes)*

**Presenter:** REUTER, Jürgen (DESY Hamburg, Germany)

Contribution ID: 6

Type: **not specified**

## **BSM discovery vs. EFT validity**

*Wednesday, 4 December 2019 17:20 (30 minutes)*

**Presenter:** SZLEPER, Michal (National Centre for Nuclear Research (PL))

Contribution ID: 7

Type: **not specified**

## **Goldstone boson scattering in composite Higgs models**

*Thursday, 5 December 2019 09:00 (30 minutes)*

**Presenter:** BUARQUE FRANZOSI, Diogo (Chalmers University of Technology)



Contribution ID: 8

Type: **not specified**

## Composite Goldstone Higgs models

*Thursday, 5 December 2019 09:40 (30 minutes)*

**Presenter:** CACCIAPAGLIA, Giacomo

Contribution ID: 9

Type: **not specified**

## Looking forward: Exclusive production

*Thursday, 5 December 2019 10:20 (30 minutes)*

**Presenter:** GALLINARO, Michele (LIP Lisbon)

Contribution ID: **10**

Type: **not specified**

## **Standard Model Extensions (singlet, 2HDM, triplet. i.e. all models where the SM couplings are reduced)**

*Thursday, 5 December 2019 11:20 (30 minutes)*

**Presenter:** SANTOS, Rui (ISEL and CFTC-UL)

Contribution ID: 11

Type: **not specified**

## Constraints from Global Fits (remote)

*Thursday, 5 December 2019 11:50 (30 minutes)*

**Presenter:** ONOFRE, Antonio (LIP/Universidade do Minho)

Contribution ID: 12

Type: **not specified**

## **Discussion on how to implement actual exp. analyses**

*Thursday, 5 December 2019 12:20 (30 minutes)*

**Presenter:** ALL

Contribution ID: 13

Type: **not specified**

## **Non-Linear EFT and BSM models**

*Thursday, 5 December 2019 14:00 (30 minutes)*

**Presenter:** ROSELL, Ignasi (Universidad CEU Cardenal Herrera & IFIC, Valencia)

Contribution ID: 14

Type: **not specified**

## Charged Higgs

*Thursday, 5 December 2019 14:40 (30 minutes)*

**Presenter:** BARAK, Liron (Tel Aviv University)

Contribution ID: 15

Type: **not specified**

## Neutral Naturalness, VBS and VBF

*Thursday, 5 December 2019 15:20 (30 minutes)*

**Presenter:** SALVIONI, Ennio (Technische Universität Muenchen (DE))



Contribution ID: 16

Type: **not specified**

## **Doubly Charged Higgs from VBF at NLO with MG5aMC@NLO**

*Thursday, 5 December 2019 16:20 (30 minutes)*

**Presenter:** RUIZ, Richard (Universite Catholique de Louvain)

Contribution ID: 17

Type: **not specified**

## **Machine Learning: Looking for a small signal in a large background**

*Thursday, 5 December 2019 17:00 (30 minutes)*

**Presenter:** STRONG, Giles Chatham (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)

Contribution ID: **18**

Type: **not specified**

## Outreach event

*Wednesday, 4 December 2019 19:00 (2 hours)*

The event takes place in bar Má Língua, in Graça.  
Rua da Senhora do Monte 1C, Lisboa

and here is a map: <https://goo.gl/maps/ujsM43ymQMdJxAG9>

On Wednesday at 19:30, Ricardo Barrué and Giles Strong will talk about their PhD theses in an PubhD outreach event:

<https://www.facebook.com/events/3306845562690987/>

This event is being organised in partnership with the PubhD de Lisboa (<https://pubhdlisboa.wordpress.com>).

The idea of these conversations is that PhD students discuss their research with the public in the relaxed ambiance of a bar.

You are all invited!

Contribution ID: **19**

Type: **not specified**

## **Closing session**

*Thursday, 5 December 2019 17:30 (1 hour)*

Contribution ID: 20

Type: **not specified**

## **Experimental results on BSM constraints in EW sector and future prospects**

*Wednesday, 4 December 2019 15:20 (30 minutes)*

**Presenter:** BACHAS, Dinos (Aristotle University of Thessaloniki)

Contribution ID: **21**

Type: **not specified**

## **VBSCan@Helsinki (20-21 February 2020)**

*Thursday, 5 December 2019 13:50 (1 minute)*

**Presenter:** KIRSCHENMANN, Henning (Helsinki Institute of Physics (FI))