

# **Pushing the Boundaries – The Standard Model and Beyond at the LHC**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome and introduction

*Wednesday, September 18, 2019 2:15 PM (15 minutes)*

**Presenter:** DE SANTO, Antonella (University of Sussex)

Contribution ID: 2

Type: **not specified**

## Electroweak SUSY

*Thursday, September 19, 2019 9:00 AM (40 minutes)*

**Presenter:** POTTER, Christina (University of Cambridge)

**Session Classification:** BSM at Colliders and Beyond

Contribution ID: 3

Type: **not specified**

## Dark Matter

*Thursday, September 19, 2019 9:40 AM (40 minutes)*

**Presenter:** FLACHER, Henning (University of Bristol)

**Session Classification:** BSM at Colliders and Beyond

Contribution ID: 4

Type: **not specified**

## Collider Phenomenology

*Thursday, September 19, 2019 10:20 AM (40 minutes)*

**Presenters:** ALLANACH, BENJAMIN (University of Cambridge); ALLANACH, Benjamin (University of Cambridge)

**Session Classification:** BSM at Colliders and Beyond

Contribution ID: 5

Type: **not specified**

## **Approaching BSM searches from SM precision measurements**

*Thursday, September 19, 2019 11:30 AM (1 hour)*

**Presenter:** GROUT, Zara (University College London)

**Session Classification:** BSM at Colliders and Beyond

Contribution ID: 6

Type: **not specified**

## **The importance and strategy of direct searches for LHC Run 3 and beyond**

*Thursday, September 19, 2019 2:00 PM (1 hour)*

**Presenter:** EIFERT, Till

**Session Classification:** BSM at Colliders and Beyond

Contribution ID: 7

Type: **not specified**

## Theory predictions

*Thursday, September 19, 2019 3:00 PM (1 hour)*

**Presenter:** BANFI, Andrea (University of Sussex)

**Session Classification:** BSM at Colliders and Beyond



Contribution ID: 8

Type: **not specified**

## Discussion

*Thursday, September 19, 2019 4:00 PM (30 minutes)*

**Session Classification:** BSM at Colliders and Beyond

Contribution ID: 9

Type: **not specified**

## SM & EFT

*Friday, September 20, 2019 9:00 AM (40 minutes)*

**Presenter:** MILDNER, Hannes (University of Sheffield)

**Session Classification:** Effective Field Theories

Contribution ID: **10**

Type: **not specified**

## **Top & EFT**

*Friday, September 20, 2019 9:40 AM (40 minutes)*

**Presenter:** STEVENSON, Tom (University of Sussex)

**Session Classification:** Effective Field Theories

Contribution ID: 11

Type: **not specified**

## Higgs & EFT

*Friday, September 20, 2019 10:20 AM (40 minutes)*

**Presenter:** WARDLE, Nicholas (Imperial College London)

**Session Classification:** Effective Field Theories

Contribution ID: 12

Type: **not specified**

## Effective Field Theories (Part II)

**Presenter:** BANERJEE, Shankha

Contribution ID: 13

Type: **not specified**

## Workshop wrap-up

*Friday, September 20, 2019 12:10 PM (20 minutes)*

**Presenters:** DE SANTO, Antonella; VIVARELLI, Iacopo

Contribution ID: 14

Type: **not specified**

## **ATLAS searches for BSM physics using taus**

*Wednesday, September 18, 2019 5:20 PM (20 minutes)*

**Presenter:** KOECK, Daniela (University of Sussex)

**Session Classification:** ECR session

Contribution ID: 15

Type: **not specified**

## How dark is Dark Matter?

*Wednesday, September 18, 2019 5:00 PM (20 minutes)*

**Presenter:** STADLER, Julia (IPPP & Durham)

**Session Classification:** ECR session



Contribution ID: 16

Type: **not specified**

## **Resolving the tensor structure of the Higgs coupling to Z-bosons via Higgs-strahlung**

*Wednesday, September 18, 2019 5:40 PM (20 minutes)*

**Presenter:** REINESS, Joey (IPPP & Durham)

**Session Classification:** ECR session

Contribution ID: 17

Type: **not specified**

## **SUSY EWK searches with 3-lepton signatures at ATLAS**

*Thursday, September 19, 2019 5:00 PM (20 minutes)*

**Presenter:** TROVATO, Fabrizio (University of Sussex)

**Session Classification:** ECR session

Contribution ID: **18**

Type: **not specified**

## **How high is the Neutrino Floor?**

*Thursday, September 19, 2019 5:20 PM (20 minutes)*

**Presenter:** REID, Elliott (IPPP Durham)

**Session Classification:** ECR session

Contribution ID: 19

Type: **not specified**

## **EFT interpretation of STXS measurements at CMS**

*Thursday, September 19, 2019 5:40 PM (20 minutes)*

**Presenter:** LANGFORD, Jonathon

**Session Classification:** ECR session

Contribution ID: 20

Type: **not specified**

## **Summary of experimental status from the LHC Run-2 and Run-3 prospects**

*Wednesday, September 18, 2019 2:30 PM (1 hour)*

**Presenter:** HOECKER, Andreas (CERN)

**Session Classification:** Experimental & Theory Overview

Contribution ID: 21

Type: **not specified**

## Theory Outlook

**Presenter:** SCHOLTZ, Jakub

**Session Classification:** Theory outlook

Contribution ID: 22

Type: **not specified**

## Theory Outlook

*Wednesday, September 18, 2019 3:30 PM (1 hour)*

with a joke!

**Presenter:** SCHOLTZ, Jakub

**Session Classification:** Experimental & Theory Overview

Contribution ID: 23

Type: **not specified**

## Theory Wrap-up on EFT

*Friday, September 20, 2019 11:30 AM (40 minutes)*

**Presenter:** BANERJEE, Shankha

**Session Classification:** Effective Field Theories