

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

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and introduction

Wednesday, 18 September 2019 14:15 (15 minutes)

Presenter: DE SANTO, Antonella (University of Sussex)

Contribution ID: 2

Type: **not specified**

Electroweak SUSY

Thursday, 19 September 2019 09:00 (40 minutes)

Presenter: POTTER, Christina (University of Cambridge)

Session Classification: BSM at Colliders and Beyond

Contribution ID: 3

Type: **not specified**

Dark Matter

Thursday, 19 September 2019 09:40 (40 minutes)

Presenter: FLACHER, Henning (University of Bristol)

Session Classification: BSM at Colliders and Beyond

Contribution ID: 4

Type: **not specified**

Collider Phenomenology

Thursday, 19 September 2019 10:20 (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, 19 September 2019 11:30 (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, 19 September 2019 14:00 (1 hour)

Presenter: EIFERT, Till

Session Classification: BSM at Colliders and Beyond

Contribution ID: 7

Type: **not specified**

Theory predictions

Thursday, 19 September 2019 15:00 (1 hour)

Presenter: BANFI, Andrea (University of Sussex)

Session Classification: BSM at Colliders and Beyond

Contribution ID: **8**

Type: **not specified**

Discussion

Thursday, 19 September 2019 16:00 (30 minutes)

Session Classification: BSM at Colliders and Beyond

Contribution ID: 9

Type: **not specified**

SM & EFT

Friday, 20 September 2019 09:00 (40 minutes)

Presenter: MILDNER, Hannes (University of Sheffield)

Session Classification: Effective Field Theories

Contribution ID: **10**

Type: **not specified**

Top & EFT

Friday, 20 September 2019 09:40 (40 minutes)

Presenter: STEVENSON, Tom (University of Sussex)

Session Classification: Effective Field Theories

Contribution ID: 11

Type: **not specified**

Higgs & EFT

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

Presenters: DE SANTO, Antonella; VIVARELLI, Iacopo

Contribution ID: 14

Type: **not specified**

ATLAS searches for BSM physics using taus

Wednesday, 18 September 2019 17:20 (20 minutes)

Presenter: KOECK, Daniela (University of Sussex)

Session Classification: ECR session

Contribution ID: 15

Type: **not specified**

How dark is Dark Matter?

Wednesday, 18 September 2019 17:00 (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, 18 September 2019 17:40 (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, 19 September 2019 17:00 (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, 19 September 2019 17:20 (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, 19 September 2019 17:40 (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, 18 September 2019 14:30 (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, 18 September 2019 15:30 (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, 20 September 2019 11:30 (40 minutes)

Presenter: BANERJEE, Shankha

Session Classification: Effective Field Theories