

# **LHC DMWG public meeting on dark photons**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **ATLAS benchmarks**

*Friday 22 June 2018 14:50 (15 minutes)*

**Presenters:** GIAGU, Stefano; GIAGU, Stefano (Sapienza Universita e INFN, Roma I (IT))

**Session Classification:** Public meeting

Contribution ID: 2

Type: **not specified**

## CMS benchmarks

*Friday 22 June 2018 14:30 (15 minutes)*

**Presenter:** ALBERT, Andreas (Rheinisch Westfaelische Tech. Hoch. (DE))

**Session Classification:** Public meeting

Contribution ID: 3

Type: **not specified**

## **LHCb benchmarks**

*Friday 22 June 2018 14:10 (15 minutes)*

**Presenter:** ILTEN, Philip (University of Birmingham (GB))

**Session Classification:** Public meeting

Contribution ID: 4

Type: **not specified**

## Physics Beyond Colliders benchmarks

*Friday 22 June 2018 15:10 (15 minutes)*

**Presenter:** POSPELOV, Maxim (University of Victoria (CA))

**Session Classification:** Public meeting

Contribution ID: 5

Type: **not specified**

## Introduction

*Friday 22 June 2018 14:00 (5 minutes)*

**Session Classification:** Public meeting

Contribution ID: 6

Type: **not specified**

## Discussion

*Friday 22 June 2018 15:25 (10 minutes)*

**Session Classification:** Public meeting

Contribution ID: 7

Type: **not specified**

## Connecting LLP searches to vector model searches

*Friday 22 June 2018 16:00 (20 minutes)*

**Presenter:** HARRIS, Philip Coleman (Massachusetts Inst. of Technology (US))

**Session Classification:** Public meeting



Contribution ID: 8

Type: **not specified**

## **On the LHC sensitivity for non-thermalised hidden sectors**

*Friday 22 June 2018 16:30 (20 minutes)*

**Presenter:** KAHLHOEFER, Felix (RWTH Aachen)

**Session Classification:** Public meeting

Contribution ID: 9

Type: **not specified**

## **Tests of freeze-out and freeze-in for vector models**

*Friday 22 June 2018 17:15 (15 minutes)*

**Presenter:** Ms JOHN, Isabelle (Lund University)

**Session Classification:** Public meeting

Contribution ID: **10**

Type: **not specified**

## Darkcast hands-on

*Friday 22 June 2018 09:00 (1h 30m)*

**Presenter:** ILTEN, Philip (University of Birmingham (GB))

**Session Classification:** Hands-on session on recasting and relic density calculation for dark photons

Contribution ID: 11

Type: **not specified**

## Micromegas hands-on

*Friday 22 June 2018 10:30 (1h 30m)*

**Presenter:** PUKHOV, Alexander (SINP, MSU)

**Session Classification:** Hands-on session on recasting and relic density calculation for dark photons

Contribution ID: 12

Type: **not specified**

## Freeze-in dark matter at the LHC

*Friday 22 June 2018 16:55 (15 minutes)*

**Presenter:** Mr ZALDIVAR, Bryan (LAPTh, Annecy)

**Session Classification:** Public meeting

Contribution ID: 13

Type: **not specified**

## Darkcast

*Friday 22 June 2018 13:30 (20 minutes)*

Recasting constraints from dark photon searches into other models

**Presenter:** ILTEN, Philip (University of Birmingham (GB))

**Session Classification:** Public meeting

Contribution ID: **14**

Type: **not specified**

## Discussion

*Friday 22 June 2018 13:50 (10 minutes)*

**Session Classification:** Public meeting

Contribution ID: 15

Type: **not specified**

## Discussion

*Friday 22 June 2018 16:20 (10 minutes)*

**Session Classification:** Public meeting



Contribution ID: **16**

Type: **not specified**

## **Discussion and next steps**

*Friday 22 June 2018 17:30 (15 minutes)*

**Session Classification:** Public meeting