

Session Program

22 June 2018

LHC DMWG public meeting on dark photons

Public meeting

CERN, 4/S-030

Friday 22 June

13:30

Public meeting: Recasting dark photon signals to connect to existing searches

Session | Location: CERN, 4/S-030

13:30-13:50 **Darkcast**

Speaker
Philip Ilten

13:50-14:00 **Discussion**

14:00

14:00

Public meeting: Overview of models used by LHC collaborations

Session | Location: CERN, 4/S-030

14:00-14:05 **Introduction**

14:10-14:25 **LHCb benchmarks**

Speaker
Philip Ilten

14:30-14:45 **CMS benchmarks**

Speaker
Andreas Albert

14:50-15:05 **ATLAS benchmarks**

Speakers
Stefano Giagu, Stefano Giagu

15:10-15:25 **Physics Beyond Colliders benchmarks**

Speaker
Maxim Pospelov

15:25-15:35 **Discussion**

15:35

16:00

Public meeting: Comparison of existing searches for dark photon/LLP benchmarks

Session | Location: CERN, 4/S-030

16:00-16:20 **Connecting LLP searches to vector model searches**

Speaker
Philip Coleman Harris

16:20-16:30 **Discussion**

16:30

16:30

Public meeting: Discussion and tools for relic density on LHC plots

Session | Location: CERN, 4/S-030

16:30-16:50 **On the LHC sensitivity for non-thermalised hidden sectors**

Speaker

Felix Kahlhoefer

16:55-17:10 **Freeze-in dark matter at the LHC**

Speaker

Mr Bryan Zaldivar

17:15-17:30 **Tests of freeze-out and freeze-in for vector models**

Speaker

Ms Isabelle John

17:30-17:45 **Discussion and next steps**

18:00