

Triggering on New Physics at the High-Luminosity LHC



Report of Contributions

Contribution ID: 1

Type: **not specified**

Theory Overview

Session Classification: Session 2

Contribution ID: 2

Type: **not specified**

Displaced Track Trigger CMS

Presenter: GERSHTEIN, Yuri (Rutgers State Univ. of New Jersey (US))

Contribution ID: 3

Type: **not specified**

Phase 2 Trigger Overview

Monday 15 January 2018 10:10 (25 minutes)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Track Trigger CMS

Monday 15 January 2018 14:20 (30 minutes)

Presenter: GERSHTEIN, Yuri (Rutgers State Univ. of New Jersey (US))

Contribution ID: 5

Type: **not specified**

Flavor gaps in heavy Higgs searches

Monday 15 January 2018 11:35 (30 minutes)

Presenter: Dr GORI, Stefania

Contribution ID: 6

Type: **not specified**

Long Lived Particles

Presenter: Dr EVANS, Jared

Contribution ID: 7

Type: **not specified**

Particle Flow at Level 1

Tuesday 16 January 2018 09:30 (30 minutes)

Presenter: PETRUCCIANI, Giovanni (CERN)

Contribution ID: 8

Type: **not specified**

Large N, Disorder and Mimesis at the LHC

Monday 15 January 2018 13:50 (30 minutes)

Presenter: D'AGNOLO, Raffaele

Contribution ID: 9

Type: **not specified**

Calorimeter Trigger CMS

Monday 15 January 2018 15:10 (30 minutes)

Presenter: CAILLOL, Cecile Sarah (University of Wisconsin Madison (US))

Contribution ID: **10**

Type: **not specified**

Theory Talk Exotica

Presenter: Dr CURTIN, David

Contribution ID: **11**

Type: **not specified**

Hidden valleys and where to find them

Tuesday 16 January 2018 11:50 (30 minutes)

Presenter: KNAPEN, Simon (Lawrence Berkeley National Lab)

Contribution ID: 12

Type: **not specified**

Coffee

Contribution ID: 13

Type: **not specified**

Lunch

Contribution ID: 14

Type: **not specified**

Searching for Simple Hidden Sectors

Tuesday 16 January 2018 16:15 (30 minutes)

Presenter: Dr SHUVE, Brian

Contribution ID: 15

Type: **not specified**

Stopping Quirks

Wednesday 17 January 2018 10:00 (30 minutes)

Presenter: Dr EVANS, Jared

Contribution ID: **16**

Type: **not specified**

Muon Trigger CMS

Monday 15 January 2018 15:40 (30 minutes)

Presenter: BACHTIS, Michail (University of California Los Angeles (US))

Contribution ID: 17

Type: **not specified**

LLP Results Run 2

Tuesday 16 January 2018 14:25 (30 minutes)

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

Contribution ID: **18**

Type: **not specified**

Jet/MET with pileup and machine learning

Tuesday 16 January 2018 10:00 (25 minutes)

Presenter: TRAN, Nhan Viet (Fermi National Accelerator Lab. (US))

Contribution ID: **19**

Type: **not specified**

Extending coverage for exotic Higgs decays

Wednesday 17 January 2018 10:30 (30 minutes)

Presenter: Dr SHELTON, Jessie

Contribution ID: **20**

Type: **not specified**

Taus

Tuesday 16 January 2018 10:25 (25 minutes)

Presenter: OJALVO, Isobel (Princeton University (US))

Contribution ID: 21

Type: **not specified**

Dark Showers: Motivation, Simulation, and Triggering

Tuesday 16 January 2018 11:20 (30 minutes)

Presenter: STOLARSKI, Daniel

Contribution ID: 22

Type: **not specified**

Topologies for X+Displaced Decay Signals

Tuesday 16 January 2018 13:55 (30 minutes)

Presenter: TSAI, Yuhsin

Contribution ID: 23

Type: **not specified**

Summary of Workshop/Looking Forward

Wednesday 17 January 2018 11:00 (30 minutes)

Presenters: OJALVO, Isobel (Princeton University (US)); BERRYHILL, Jeffrey (Fermi National Accelerator Lab. (US)); CAVANAUGH, Rick (University of Illinois at Chicago (US))

Contribution ID: 24

Type: **not specified**

Phase 2 Trigger Overview

Monday 15 January 2018 10:50 (25 minutes)

Presenter: BOTTA, Cristina (CERN)

Contribution ID: 25

Type: **not specified**

LLP

Tuesday 16 January 2018 14:55 (30 minutes)

Presenter: KOLBERG, Ted Ritchie (Florida State University (US))

Contribution ID: 26

Type: **not specified**

Welcome and Introduction

Monday 15 January 2018 10:00 (10 minutes)

Presenter: OJALVO, Isobel (Princeton University (US))

Contribution ID: 27

Type: **not specified**

SM at the HL-LHC

Monday 15 January 2018 12:05 (30 minutes)

Presenters: MITOV, Alexander (University of Cambridge (GB)); MITOV, Alexander

Contribution ID: 28

Type: **not specified**

Discussion

Tuesday 16 January 2018 15:45 (30 minutes)

Contribution ID: 29

Type: **not specified**

Discussion

Contribution ID: **30**

Type: **not specified**

Current Level 1 Trigger Methods (CMS and ATLAS)

Monday 15 January 2018 14:50 (20 minutes)

Session Classification: Coffee Break

Contribution ID: **31**

Type: **not specified**

Trigger and DAQ for Hadron Colliders

Monday 15 January 2018 10:35 (15 minutes)

Presenter: DASU, Sridhara (University of Wisconsin Madison (US))

Contribution ID: 32

Type: **not specified**

Good memory and neural nets - Machine Learning in the (L1) Trigger

Tuesday 16 January 2018 10:50 (10 minutes)

Presenter: ACOSTA, Darin (University of Florida (US))