

DPG Rehearsals

Report of Contributions

Contribution ID: 1

Type: **not specified**

Measurement of the tZq cross section in events with two leptons

Thursday 25 February 2021 09:00 (40 minutes)

Talk T8.8:

Presenter: COLOMBINA, Federica Cecilia (CMS (LHC Experiment CMS))

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Measurements of differential cross sections for $t\bar{t}$

Thursday 25 February 2021 09:40 (40 minutes)

Session T28.1

Presenter: PETERSEN, Henriette (CMS (CMS Fachgruppe TOP))

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

Measurement of multi-differential cross sections for the production of top quark pairs plus additional jets in pp collisions at $\sqrt{s}=13\text{TeV}$

Thursday 25 February 2021 10:20 (40 minutes)

T28.10

Presenter: SOSA RICARDO, Rafael Eduardo (CMS (CMS Fachgruppe TOP))

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Measurements of the total charm and beauty cross sections with the CMS detector

Friday 26 February 2021 14:00 (40 minutes)

Presenter: METWALLY, Josry (CMS (CMS Fachgruppe QCD))

Session Classification: Session 4

Contribution ID: 6

Type: **not specified**

Reconstruction of tau lepton decay planes for analysing the Higgs CP at CMS

Friday 26 February 2021 09:00 (40 minutes)

Presenter: WIENS, Lucas (Deutsches Elektronen-Synchrotron(DESY))

Session Classification: Session 3

Contribution ID: 7

Type: **not specified**

Analysis of the CP structure of the Higgs boson in tautau decays

Friday 26 February 2021 09:40 (40 minutes)

Presenter: FILATOV, Oleg (DESY)

Session Classification: Session 3

Contribution ID: 8

Type: **not specified**

Measurement of the top quark pole mass using $t\bar{t}+1\text{jet}$ events with the CMS experiment

Thursday 25 February 2021 11:00 (40 minutes)

Talk T29.2

Presenter: WUCHTERL, Sebastian (DESY - CMS)

Session Classification: Session 1

Contribution ID: 9

Type: **not specified**

Search for contact interactions with inclusive jet production at the LHC at 13 TeV

Thursday 25 February 2021 14:40 (40 minutes)

Presenter: MÄKELÄ, Toni (DESY)

Session Classification: Session 2

Contribution ID: **10**

Type: **not specified**

Measurement of di-jet event cross sections in pp collisions at $\sqrt{s} = 13$ TeV with CMS 2016 data

Thursday 25 February 2021 16:40 (40 minutes)

Presenter: ESTÉVEZ BAÑOS, Luis Ignacio (DESY)

Session Classification: Session 2

Contribution ID: **11**

Type: **not specified**

Search for heavy neutral Higgs bosons decaying into a pair of b quarks

Friday 26 February 2021 11:00 (40 minutes)

Presenter: ASMUSS, Paul (DESY)

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

Full Run2 analysis of Higgs boson decay to b-quarks in CMS

Friday 26 February 2021 11:40 (40 minutes)

Presenter: KAVEH, Hessamoddin (CMS (CMS Fachgruppe HIGGS))

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

Differential measurement of $t\bar{t}b\bar{b}$ in association with a photon

Thursday 25 February 2021 12:20 (40 minutes)

Talk T79.4

Presenter: RIBEIRO LOPES, Beatriz (CMS-DESY)

Session Classification: Session 1

Contribution ID: 15

Type: **not specified**

Differential Measurement of the Associated Production of a Single Top Quark and a Z Boson at the CMS Experiment

Thursday 25 February 2021 11:40 (40 minutes)

Talk T8.5

Presenter: WALTER, David (CMS (CMS Fachgruppe TOP))

Session Classification: Session 1

Contribution ID: 16

Type: **not specified**

Improvements of the MVA classifiers for the $t\bar{t}H(bb)$ analysis in the dilepton channel with full Run2 data in the CMS experiment

Friday 26 February 2021 10:20 (40 minutes)

Presenter: GIRALDI, Angela (CMS (CMS Fachgruppe TOP))

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

Search for heavy Higgs bosons decaying to a top quark pair using the full CMS Run II data set

Friday 26 February 2021 16:00 (40 minutes)

Presenter: RUEBENACH, Jonas (DESY)

Session Classification: Session 4

Contribution ID: **18**

Type: **not specified**

Transverse momentum discriminating silicon modules for the Phase-II Upgrade of the CMS Outer Tracker

Friday 26 February 2021 14:40 (40 minutes)

Presenter: OTARID, Younes (CMS (CMS Fachgruppe Detektor))

Session Classification: Session 4

Contribution ID: 20

Type: **not specified**

Including heavy spin effects in the investigation of $\bar{c}/\bar{b}/\bar{b}/u$ tetraquark candidates with lattice QCD static potentials

Thursday 25 February 2021 16:00 (40 minutes)

Presenter: ZIMERMMANE CASTRO SANTOS, Andre (CMS (CMS Fachgruppe TOP))

Session Classification: Session 2

Contribution ID: 21

Type: **not specified**

Investigation of Intrinsic kT and DY processes

Thursday 25 February 2021 14:00 (40 minutes)

Presenter: MENDIZABAL MORENTIN, Mikel (DESY)

Session Classification: Session 2

Contribution ID: 22

Type: **not specified**

Searching for Dark Matter in top quark production with the CMS experiment

Thursday 25 February 2021 15:20 (40 minutes)

Presenter: STAFFORD, Dominic (CMS (CMS Fachgruppe TOP))

Session Classification: Session 2

Contribution ID: 23

Type: **not specified**

(postponed to Monday) Test Beam Analysis of a Silicon-Strip Module for the CMSPhase-II Tracker Upgrade

Friday 26 February 2021 15:20 (40 minutes)

Comments from Andreas

Presenter: CHENG, Chun (Desy)

Session Classification: Session 4