

Standard Model at the LHC 2019

Report of Contributions

Contribution ID: 1

Type: **not specified**

Study of H->VV decays

Tuesday 23 April 2019 11:30 (30 minutes)

Presenter: ANASTOPOULOS, Christos (University of Sheffield (GB))

Session Classification: Higgs

Contribution ID: 2

Type: **not specified**

Measurement of $H \rightarrow b\bar{b}$, $H \rightarrow \tau\tau$ and $H \rightarrow c\bar{c}$ processes

Tuesday 23 April 2019 12:00 (30 minutes)

Presenter: WOZNIEWSKI, Sebastian (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Higgs

Contribution ID: 3

Type: **not specified**

Theory predictions for Higgs-boson differential distributions

Tuesday 23 April 2019 11:00 (30 minutes)

Presenter: CAOLA, Fabrizio (University of Durham (GB))

Session Classification: Higgs

Contribution ID: 4

Type: **not specified**

Study of Higgs properties form channels combination

Wednesday 24 April 2019 09:00 (30 minutes)

Presenter: Dr PATARAIA, Sophio (Johannes-Gutenberg-Universitaet Mainz (DE))

Session Classification: Higgs

Contribution ID: 5

Type: **not specified**

Recent HL/HE-LHC projections based on 3000fb-1 at 14 TeV

Wednesday 24 April 2019 09:30 (30 minutes)

Presenter: Dr KOMARAGIRI, Jyothsna Rani (Indian Institute of science (IN))

Session Classification: Higgs

Contribution ID: 6

Type: **not specified**

Best way to test SM and best sensitivity to new physics

Wednesday 24 April 2019 10:00 (30 minutes)

Presenter: MANGANO, Michelangelo (CERN)

Session Classification: Higgs

Contribution ID: 7

Type: **not specified**

Theory status of top production and decay

Thursday 25 April 2019 16:30 (40 minutes)

Presenter: Prof. CZAKON, Michal Wiktor (Rheinisch Westfaelische Tech. Hoch. (DE))

Session Classification: Top

Contribution ID: 8

Type: **not specified**

Inclusive and Differential $t\bar{t}$ and single-top measurements

Thursday 25 April 2019 17:40 (30 minutes)

Presenter: DELL'ASTA, Lidia (INFN e Universita Roma Tor Vergata (IT))

Session Classification: Top

Contribution ID: 9

Type: **not specified**

Rare Processes with top quark

Friday 26 April 2019 10:15 (30 minutes)

Presenter: DAVID, Pieter (Universite Catholique de Louvain (UCL) (BE))

Session Classification: Top

Contribution ID: **10**

Type: **not specified**

Top Mass

Thursday 25 April 2019 17:10 (30 minutes)

Presenter: MELNIKOV, Kirill (Karlsruhe Institute of Technology, Germany)

Session Classification: Top

Contribution ID: **11**

Type: **not specified**

Top properties

Friday 26 April 2019 10:45 (30 minutes)

Presenter: CERRITO, Lucio (University and INFN Rome Tor Vergata (IT))

Session Classification: Top

Contribution ID: 12

Type: **not specified**

Measurement of the ttH and tH process in multi-lepton, bb

Wednesday 24 April 2019 14:00 (30 minutes)

Presenter: MISSIROLI, Marino (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Top+Higgs

Contribution ID: 13

Type: **not specified**

Recent measurement of $t\bar{t}+V$ and $t\bar{t}+HF$

Wednesday 24 April 2019 14:30 (30 minutes)

Presenter: KUHL, Thorsten (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Top+Higgs

Contribution ID: 14

Type: **not specified**

tt+V and 4-top: modelling and recent studies of QCD+EW correction

Wednesday 24 April 2019 15:00 (30 minutes)

Presenter: ZARO, Marco (Nikhef National institute for subatomic physics (NL))

Session Classification: Top+Higgs

Contribution ID: 15

Type: **not specified**

Monte Carlo modelling and uncertainties: $t\bar{t}b\bar{b}$ as background to $t\bar{t}H(b\bar{b})$

Wednesday 24 April 2019 15:30 (30 minutes)

Presenter: SIEGERT, Frank (Technische Universitaet Dresden (DE))

Session Classification: Top+Higgs

Contribution ID: 16

Type: **not specified**

A Global Likelihood for Precision Constraints and Flavour Anomalies

Wednesday 24 April 2019 11:00 (30 minutes)

Presenter: STRAUB, David (Excellence Cluster Universe, Munich)

Session Classification: SMEFT

Contribution ID: 17

Type: **not specified**

EW + Higgs EFT - recent progress on global fits to data

Wednesday 24 April 2019 11:30 (30 minutes)

Presenter: Prof. SANZ GONZALEZ, Veronica

Session Classification: SMEFT

Contribution ID: **18**

Type: **not specified**

Top EFT

Wednesday 24 April 2019 12:00 (30 minutes)

Presenter: VRYONIDOU, Eleni (CERN)

Session Classification: SMEFT

Contribution ID: 19

Type: **not specified**

Measurement of transverse momentum of vector bosons and its impact on the measurement of M_W

Tuesday 23 April 2019 16:30 (30 minutes)

Presenter: BIANCHINI, Lorenzo (INFN Sezione di Pisa, Universita' e Scuola Normale Superiore, P)

Session Classification: QCD+EW

Contribution ID: 20

Type: **not specified**

Resummed predictions for W/Z-pT

Tuesday 23 April 2019 17:00 (30 minutes)

Presenter: MONNI, Pier Francesco (CERN)

Session Classification: QCD+EW

Contribution ID: 21

Type: **not specified**

Associated production of vector bosons and jets at LHC

Tuesday 23 April 2019 17:30 (30 minutes)

Presenter: Dr SFORZA, Federico (Tufts University (US))

Session Classification: QCD+EW

Contribution ID: 22

Type: **not specified**

VV@NNLO(PS) QCD+EW

Wednesday 24 April 2019 16:30 (30 minutes)

Presenter: WIESEMANN, Marius (CERN)

Session Classification: QCD+EW

Contribution ID: 23

Type: **not specified**

Vgamma & gamma gamma

Wednesday 24 April 2019 17:00 (30 minutes)

Presenter: BALDIN, Evgenii (Budker Institute of Nuclear Physics (RU))

Session Classification: QCD+EW

Contribution ID: 24

Type: **not specified**

VV with W,Z measurements

Wednesday 24 April 2019 17:30 (30 minutes)

Presenter: Dr VISCHIA, Pietro (Universite Catholique de Louvain (UCL) (BE))

Session Classification: QCD+EW

Contribution ID: 25

Type: **not specified**

PDF overview

Tuesday 23 April 2019 09:00 (30 minutes)

Presenter: Dr ROJO, Juan (VU Amsterdam and Nikhef)

Session Classification: QCD

Contribution ID: 26

Type: **not specified**

Jet and photon production at LHC

Tuesday 23 April 2019 10:00 (30 minutes)

Presenter: CALLEA, Giuseppe (University of Glasgow (GB))

Session Classification: QCD

Contribution ID: 27

Type: **not specified**

Current theory status for jet production

Tuesday 23 April 2019 09:30 (30 minutes)

Presenter: Dr RAMALHO PIRES, Joao (CFTP, Instituto Superior Tecnico, Universidade de Lisboa)

Session Classification: QCD

Contribution ID: 28

Type: **not specified**

Jet structure and event shapes at LHC

Thursday 25 April 2019 09:30 (30 minutes)

Presenter: SEIDEL, Markus (University of Maryland (US))

Session Classification: QCD

Contribution ID: 29

Type: **not specified**

Jet Substructure Theory

Thursday 25 April 2019 09:00 (30 minutes)

Presenter: Dr MARZANI, Simone (Università di Genova and INFN Genova)

Session Classification: QCD

Contribution ID: 30

Type: **not specified**

QCD in the forward regime and Multi-Parton Scattering (LHCb)

Thursday 25 April 2019 10:00 (30 minutes)

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

Session Classification: QCD

Contribution ID: **31**

Type: **not specified**

News from DY in ATLAS+CMS

Thursday 25 April 2019 14:00 (30 minutes)

Presenter: GONZALEZ LOPEZ, Oscar (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas)

Session Classification: Electroweak

Contribution ID: **32**

Type: **not specified**

Discussion

Thursday 25 April 2019 15:00 (20 minutes)

Session Classification: Electroweak

Contribution ID: 33

Type: **not specified**

EW corrections to Drell-Yan at NLO and beyond

Thursday 25 April 2019 14:30 (30 minutes)

Presenter: VICINI, Alessandro

Session Classification: Electroweak

Contribution ID: **34**

Type: **not specified**

New VBS and VBF results from ATLAS+CMS

Friday 26 April 2019 09:00 (25 minutes)

Presenter: LONG, Kenneth (University of Wisconsin Madison (US))

Session Classification: Electroweak

Contribution ID: 35

Type: **not specified**

New physics searches in SM standard candles

Friday 26 April 2019 09:25 (25 minutes)

Presenter: LEE, Claire (Brookhaven National Laboratory (US))

Session Classification: Electroweak

Contribution ID: **36**

Type: **not specified**

Global SMEFT fits for VBS

Friday 26 April 2019 09:50 (25 minutes)

Presenter: GOMEZ AMBROSIO, Raquel (Durham university)

Session Classification: Electroweak

Contribution ID: 37

Type: **not specified**

SM EFT predictions in rare decays

Tuesday 23 April 2019 14:00 (30 minutes)

Presenter: VIRTO, Javier (Massachusetts Institute of Technology)

Session Classification: Flavour

Contribution ID: **38**

Type: **not specified**

Lattice overview

Tuesday 23 April 2019 14:30 (30 minutes)

Presenter: HANSEN, Maxwell (CERN)

Session Classification: Flavour

Contribution ID: **39**

Type: **not specified**

General Lepton Universality Tests

Tuesday 23 April 2019 15:00 (30 minutes)

Presenter: HUMAIR, Thibaud (Imperial College (GB))

Session Classification: Flavour

Contribution ID: 40

Type: **not specified**

Lepton Flavour Violation in rare B decays

Tuesday 23 April 2019 15:30 (30 minutes)

Presenter: MANCINELLI, Giampiero (Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France)

Session Classification: Flavour

Contribution ID: 41

Type: **not specified**

Flavour opportunities at high-pT

Thursday 25 April 2019 11:00 (25 minutes)

Presenter: BISHARA, Fady Adibsamy (DESY)

Session Classification: Flavour

Contribution ID: 42

Type: **not specified**

Establishing connections between B-physics & High-pT

Thursday 25 April 2019 11:25 (25 minutes)

Presenter: FUENTES-MARTIN, Javier (University of Zurich)

Session Classification: Flavour

Contribution ID: 43

Type: **not specified**

NP searches in DiTau, DiMuon, and MonoTau Tails

Thursday 25 April 2019 11:50 (25 minutes)

Presenter: TAKAHASHI, Yuta (Universitaet Zuerich (CH))

Session Classification: Flavour

Contribution ID: 44

Type: **not specified**

B-physics guided LQ searches

Thursday 25 April 2019 12:15 (25 minutes)

Presenter: REIMERS, Arne Christoph (Hamburg University (DE))

Session Classification: Flavour

Contribution ID: 45

Type: **not specified**

Measurement of the top quark-antiquark pair production cross section, the top quark mass, and the strong coupling constant in CMS at 13 TeV

Thursday 25 April 2019 15:30 (10 minutes)

Presenter: DEFRANCHIS, Matteo (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Young Scientist Forum

Contribution ID: 46

Type: **not specified**

Measurement of H $\tau_{\text{had}} \tau_{\text{had}}$ at $\sqrt{s}=13$ TeV with the ATLAS Experiment

Thursday 25 April 2019 15:40 (10 minutes)

Presenter: DREYER, Timo (Georg August Universitaet Goettingen (DE))

Session Classification: Young Scientist Forum

Contribution ID: 47

Type: **not specified**

Combined measurement of the Higgs boson production and decay at $\sqrt{s} = 13$ TeV with the ATLAS detector

Thursday 25 April 2019 15:50 (10 minutes)

Presenter: MEGY, Theo (Albert Ludwigs Universitaet Freiburg (DE))

Session Classification: Young Scientist Forum

Contribution ID: 48

Type: **not specified**

gamma+jet production at NNLO

Thursday 25 April 2019 15:20 (10 minutes)

Presenter: Dr CHEN, Xuan (Universitaet Zuerich (CH))

Session Classification: Young Scientist Forum

Contribution ID: 49

Type: **not specified**

Higgs

Friday 26 April 2019 11:45 (15 minutes)

Presenters: CERUTTI, Fabio (Lawrence Berkeley National Lab. (US)); REINA, Laura (Florida State University (US)); MERIDIANI, Paolo (Sapienza Universita e INFN, Roma I (IT))

Session Classification: All sessions

Contribution ID: 50

Type: **not specified**

QCD

Friday 26 April 2019 12:00 (15 minutes)

Presenters: HUSS, Alexander Yohei (CERN); COSSUTTI, Fabio (Universita e INFN Trieste (IT)); SCHMELLING, Michael (Max-Planck-Gesellschaft (DE))

Session Classification: All sessions

Contribution ID: 51

Type: **not specified**

EW

Friday 26 April 2019 12:15 (15 minutes)

Presenters: JOSA MUTUBERRIA, Isabel (Centro de Investigaciones Energéticas Medioambientales y Tecnol.); LINDERT, Jonas (University of Durham (GB)); LOHWASSER, Kristin (University of Sheffield (GB))

Session Classification: All sessions

Contribution ID: 52

Type: **not specified**

Top

Friday 26 April 2019 12:30 (15 minutes)

Presenters: JAFARI, Abideh (Deutsches Elektronen-Synchrotron (DE)); NASON, Paolo (Universita & INFN, Milano-Bicocca (IT)); DI SIPIO, Riccardo (University of Toronto (CA))

Session Classification: All sessions

Contribution ID: 53

Type: **not specified**

Flavour

Friday 26 April 2019 12:45 (15 minutes)

Presenters: GRELJO, Admir; FACINI, Gabriel (University of London (GB)); OWEN, Patrick Haworth (Universitaet Zuerich (CH))

Session Classification: All sessions