

Session Program

10-17 Jul 2019



EPS-HEP2019

Top and Electroweak Physics

Ghent

International Convention Center and Ghent University - Campus Ledeganck, Ghent, Belgium

Thursday 11 July

09:00

Top and Electroweak Physics

Session | **Location:** Ghent, ICC - Baeckeland 2 | **Conveners:**
Cen Zhang, Pedro Vieira De Castro Ferreira Da Silva, Maria Jose Costa

09:00–09:15 **Top-quark electroweak interactions at high energy**

Speaker
Mr Luca Mantani

09:15–09:30

Comparison of direct and indirect constraints on anomalous tWb couplings

Speaker
Anastasiia Kozachuk

09:30–09:45

The Matrix Element Method as a tool for precision and accuracy

Speaker
Till Martini

09:45–10:00

Production of $W^+ W^-$ and $t \bar{t}$ pairs via photon-photon processes in proton-proton scattering and corresponding gap survival factor

Speakers
Marta Luszczak, Antoni Szczurek

10:00–10:15

Recent top quark properties in CMS

Speaker
Agostino De Iorio

10:15–10:30

FCNC and EFT interpretations in top quark events in CMS

Speaker
Kirill Skovpen

10:30–10:45

Top quark pair property measurements using the ATLAS detector at the LHC

Speaker
James William Howarth

10:45–11:00

Measurements of the top quark mass using the ATLAS detector at the LHC

Speaker
Andrea Helen Knue

11:00–11:30

Coffee break

11:30–11:45

Three-loop soft anomalous dimensions for top-quark production

Speaker
Nikolaos Kidonakis

11:45-12:00

Top-quark pair production at NNLO

Speaker

Javier Mazzitelli

12:00-12:15

Recent $t\bar{t}$ and single top inclusive cross sections results in CMS

Speaker

Juan Gonzalez

12:15-12:30

Top quark pair and single top differential cross sections in CMS

Speaker

Otto Heinz Hindrichs

12:30-12:45

Top quark pair-production cross-section measurements with the ATLAS detector

Speaker

Michele Fauci Giannelli

12:45-13:00

Single-top-quark production cross section using the ATLAS detector at the LHC

Speaker

Muhammad Alhroob

13:00

Friday 12 July

09:00

Top and Electroweak Physics

Session | **Location:** Ghent, Campus Ledeganck - Aud. 3 | **Conveners:**
Maria Jose Costa, Cen Zhang, Pedro Vieira De Castro Ferreira Da Silva

09:00–09:15

Learning to pinpoint effective operators at the LHC: a study of the $t\bar{t}b\bar{b}$ signature

Speaker

Seth Moortgat

09:15–09:30

Probing standard-model Higgs substructures using tops and weak gauge bosons

Speaker

Axel Torsten Maas

09:30–09:45

Measurements of $t\bar{t}b\bar{b}$ pairs produced in association with electroweak gauge bosons using the ATLAS detector

Speaker

Alvaro Lopez Solis

09:45–10:00

$t\bar{t}+X$ and $t+X$ production in CMS: $t\bar{t}Z$, $t\bar{t}W$, $t\bar{t}\gamma$, tZ , $t\gamma$ in CMS

Speaker

Jose Enrique Palencia Cortezon

10:00–10:15

Measurement of $t\bar{t}b\bar{b}$ with additional jets with the ATLAS detector

Speaker

Timothee Theveneaux-Pelzer

10:15–10:30

Charming Top Decays with a Flavor Changing Neutral Higgs Boson at Hadron Colliders

Speaker

Prof. Chung Kao

10:30–10:45

Measurements of $t\bar{t}+jets$ and $t\bar{t}+b\bar{b}$ production and $t\bar{t}t\bar{t}$ production in CMS

Speaker

Dr Sebastien Wertz

10:45–11:00

Top Physics at LHCb

Speaker

Stephen Farry

11:00–11:30

Coffee break

11:30–11:45

Boosted Top quark polarization

Speaker

Aravind Holur Vijay

11:45-12:00 Tagging Top in Leptonic Decay**Speaker**

Mr Suman Chatterjee

12:00-12:15 Vetoing Tops without B-Tagging**Speaker**

Richard Ruiz

12:15-12:30 LHCTOPWG: combinations of top quark measurements at the LHC**Speakers**

Martijn Mulders, Reinhard Schwienhorst, Michelangelo Mangano

12:30-12:45 Top-quark physics at the FCC-ee**Speaker**

Freya Blekman

12:45-13:00 Top-quark physics at CLIC**Speaker**

Aleksander Filip Zarnacki

13:00

14:30

Top and Electroweak Physics**Session** | **Location:** Ghent, Campus Ledeganck - Aud. 3 | **Conveners:**

Maria Jose Costa, Cen Zhang, Pedro Vieira De Castro Ferreira Da Silva

14:30-14:45**Increasing the precision for Z production at colliders: including mixed QCD-QED effects****Speaker**

German Sborlini

14:45-15:00 Measurement of W and Z boson production at ATLAS**Speaker**

Siqi Yang

15:00-15:15 Measurement of photon production at ATLAS**Speaker**

Josu Cantero

15:15-15:30 Recent measurements of electroweak boson properties at D0**Speaker**

Chen Wang

15:30-15:45 Electroweak and QCD aspects in V+jets in CMS**Speaker**

Stephane Brunet Cooperstein

15:45-16:00 Measurement of V+jets production at ATLAS**Speaker**

Evelin Meoni

16:00-16:30 **Coffee break**

16:30-16:45

Measurement of electroweak-boson production in p--Pb and Pb--Pb collisions at the LHC with ALICE

Speaker

Guillaume Taillepied

16:45-17:00

Recent advances in the μ - e scattering amplitude at NNLO in QED

Speaker

William Javier Torres Bobadilla

17:00-17:15

Precision electroweak measurements with ATLAS

Speaker

Nansi Andari

17:15-17:30

Precision EW results at CMS

Speaker

Markus Seidel

17:30-17:45

Precision electroweak physics at LHCb

Speaker

William Barter

17:45-18:00

Determination of electroweak parameters in polarised deep-inelastic scattering at HERA

Speakers

Daniel Britzger, Daniel Britzger

18:00-18:15

V+heavy flavor jets and constraints to PDFs in CMS

Speaker

Juan Pablo Fernandez Ramos

18:30

Saturday 13 July

09:00

Top and Electroweak Physics

Session | **Location:** Ghent, Campus Ledeganck - Aud. 2 | **Conveners:**
Cen Zhang, Maria Jose Costa, Pedro Vieira De Castro Ferreira Da Silva

09:00–09:15 **Positivity bounds on vector boson scattering**

Speaker

Prof. Shuang-Yong Zhou

09:15–09:30

Effective theories and resonances in strongly-coupled electroweak symmetry breaking scenarios

Speaker

Ignasi Rosell

09:30–09:45

Measurements of inclusive WW and WZ production with ATLAS

Speaker

Philippe Calfayan

09:45–10:00

Measurements of inclusive neutral diboson production with ATLAS

Speaker

Stefan Richter

10:00–10:15

Observation and measurements of vector-boson scattering with ATLAS

Speaker

Philip Sommer

10:15–10:30

Evidence of the production of three massive vector bosons using the ATLAS detector

Speaker

Alexander Naip Tuna

10:30–11:00

Electroweak physics in multiboson final states at CMS

Speaker

Chia-Ming Kuo

11:00–11:30

Coffee break

11:30–11:45

Standard Model measurements at the High-Luminosity LHC with CMS

Speaker

Jian Wang

11:45–12:00

Electroweak Physics at FCC-ee

Speaker

Elizabeth Locci

12:00-12:15

Reconstruction of the W mass and width at and above WW threshold at FCC-ee

Speaker

Marina Beguin

12:15-12:30

Electroweak Physics at CEPC

Speaker

Prof. Zhijun Liang

12:30-12:45

Production and electroweak couplings of 3rd generation quarks at the ILC

Speaker

Adrian Irlles

12:45-13:00

Top and Electro-Weak physics at the LHeC and the FCC-eh

Speaker

Christian Schwanenberger

13:00