

Session Program

Jul 10 - 17, 2019



EPS-HEP2019

Top and Electroweak Physics

Ghent

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

Thu, July 11

9:00 AM

Top and Electroweak Physics

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

9:00 – 9:15 AM **Top-quark electroweak interactions at high energy**

Speaker
Mr Luca Mantani

9:15 – 9:30 AM

Comparison of direct and indirect constraints on anomalous tWb couplings

Speaker
Anastasiia Kozachuk

9:30 – 9:45 AM **The Matrix Element Method as a tool for precision and accuracy**

Speaker
Till Martini

9:45 – 10:00 AM

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 AM **Recent top quark properties in CMS**

Speaker
Agostino De Iorio

10:15 – 10:30 AM **FCNC and EFT interpretations in top quark events in CMS**

Speaker
Kirill Skovpen

10:30 – 10:45 AM

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

Speaker
James William Howarth

10:45 – 11:00 AM

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

Speaker
Andrea Helen Knue

11:00 – 11:30 AM **Coffee break**

11:30 – 11:45 AM **Three-loop soft anomalous dimensions for top-quark production**

Speaker
Nikolaos Kidonakis

11:45 AM - 12:00 PM

Top-quark pair production at NNLO

Speaker

Javier Mazzitelli

12:00 - 12:15 PM

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

Speaker

Juan Gonzalez

12:15 - 12:30 PM

Top quark pair and single top differential cross sections in CMS

Speaker

Otto Heinz Hindrichs

12:30 - 12:45 PM

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

Speaker

Michele Fauci Giannelli

12:45 - 1:00 PM

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

Speaker

Muhammad Alhroob

1:00 PM

Fri, July 12

9:00 AM

Top and Electroweak Physics

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

9:00 – 9:15 AM

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

Speaker

Seth Moortgat

9:15 – 9:30 AM

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

Speaker

Axel Torsten Maas

9:30 – 9:45 AM

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

Speaker

Alvaro Lopez Solis

9:45 – 10:00 AM

$t\bar{t}+X$ 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 AM

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

Speaker

Timothee Thevenaux-Pelzer

10:15 – 10:30 AM

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

Speaker

Prof. Chung Kao

10:30 – 10:45 AM

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

Speaker

Dr Sebastien Wertz

10:45 – 11:00 AM

Top Physics at LHCb

Speaker

Stephen Farry

11:00 – 11:30 AM

Coffee break

11:30 – 11:45 AM

Boosted Top quark polarization

Speaker

Aravind Holur Vijay

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

Mr Suman Chatterjee

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

Richard Ruiz

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

Martijn Mulders, Reinhard Schwienhorst, Michelangelo Mangano

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

Freya Blekman

12:45 - 1:00 PM **Top-quark physics at CLIC****Speaker**

Aleksander Filip Zarnacki

1:00 PM

2:30 PM

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

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

2:30 - 2:45 PM

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

German Sborlini

2:45 - 3:00 PM **Measurement of W and Z boson production at ATLAS****Speaker**

Siqi Yang

3:00 - 3:15 PM **Measurement of photon production at ATLAS****Speaker**

Josu Cantero

3:15 - 3:30 PM **Recent measurements of electroweak boson properties at D0****Speaker**

Chen Wang

3:30 - 3:45 PM **Electroweak and QCD aspects in V+jets in CMS****Speaker**

Stephane Brunet Cooperstein

3:45 - 4:00 PM **Measurement of V+jets production at ATLAS****Speaker**

Evelin Meoni

4:00 – 4:30 PM **Coffee break**

4:30 – 4:45 PM

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

Speaker

Guillaume Taillepied

4:45 – 5:00 PM

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

Speaker

William Javier Torres Bobadilla

5:00 – 5:15 PM

Precision electroweak measurements with ATLAS

Speaker

Nansi Andari

5:15 – 5:30 PM

Precision EW results at CMS

Speaker

Markus Seidel

5:30 – 5:45 PM

Precision electroweak physics at LHCb

Speaker

William Barter

5:45 – 6:00 PM

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

Speakers

Daniel Britzger, Daniel Britzger

6:00 – 6:15 PM

V+heavy flavor jets and constraints to PDFs in CMS

Speaker

Juan Pablo Fernandez Ramos

6:30 PM

Sat, July 13

9:00 AM

Top and Electroweak Physics

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

9:00 – 9:15 AM **Positivity bounds on vector boson scattering**

Speaker

Prof. Shuang-Yong Zhou

9:15 – 9:30 AM

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

Speaker

Ignasi Rosell

9:30 – 9:45 AM **Measurements of inclusive WW and WZ production with ATLAS**

Speaker

Philippe Calfayan

9:45 – 10:00 AM **Measurements of inclusive neutral diboson production with ATLAS**

Speaker

Stefan Richter

10:00 – 10:15 AM

Observation and measurements of vector-boson scattering with ATLAS

Speaker

Philip Sommer

10:15 – 10:30 AM

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

Speaker

Alexander Naip Tuna

10:30 – 11:00 AM **Electroweak physics in multiboson final states at CMS**

Speaker

Chia-Ming Kuo

11:00 – 11:30 AM **Coffee break**

11:30 – 11:45 AM

Standard Model measurements at the High-Luminosity LHC with CMS

Speaker

Jian Wang

11:45 AM – 12:00 PM **Electroweak Physics at FCC-ee**

Speaker

Elizabeth Locci

12:00 - 12:15 PM

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

Speaker

Marina Beguin

12:15 - 12:30 PM

Electroweak Physics at CEPC

Speaker

Prof. Zhijun Liang

12:30 - 12:45 PM

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

Speaker

Adrian Irlles

12:45 - 1:00 PM

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

Speaker

Christian Schwanenberger

1:00 PM