

Session Program

3-10 Aug 2016



38th INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS

AUGUST 3 - 10, 2016
CHICAGO

ICHEP 2016 Chicago

Top Quark and Electroweak Physics

Chicago IL USA
Sheraton Grand Chicago 301 East Water Street Chicago IL 60611 USA

Thursday 4 August

09:00

Top Quark and Electroweak Physics: 1

Session | **Location:** Huron, Sheraton Grand Chicago 301 East Water Street Chicago IL 60611 USA | **Convener:** Pedro Vieira De Castro Ferreira Da Silva

09:00–09:20

Top quark pair production cross-section measurements with the ATLAS detector (15' + 5')

Speaker

James William Howarth

09:20–09:40

Top pair cross section measurements (incl./diff.) and event modelling with the CMS detector (15' + 5')

Speaker

James Michael Keaveney

09:40–10:00

Theoretical results for top-quark cross sections and distributions (15' + 5')

Speaker

Nikolaos Kidonakis

10:00–10:20

Latest developments on WbWb production at hadron colliders (15' + 5')

Speaker

Jan Winter

10:20–10:40

Measurements of $t\bar{t}b\bar{b}+X$ using the ATLAS detector (15' + 5')

Speaker

Dr Yichen Li

10:40–11:00

Latest developments in the simulation of final states involving top-pair and heavy bosons (15' + 5')

Speaker

Emanuele Re

11:00

11:30

Top Quark and Electroweak Physics: 2

Session | **Location:** Huron | **Convener:** Doreen Wackerroth

11:30–11:50

Higher-orders in heavy quark processes within the LTD approach (15' + 5')

Speaker

German Sborlini

11:50–12:10

NLO predictions for SM EFT in the top-quark sector (15' + 5')

Speaker

Cen Zhang

12:10-12:30 **Top properties measurements with the ATLAS detector (15' + 5')**

Speaker

Antonio Limosani

12:30-12:50

Top properties measurements with the CMS detector at the LHC (15' + 5')

Speaker

Jui-Fa Tsai

12:50-13:10

Measurement of top quark properties in single top production (15' + 5')

Speaker

Abideh Jafari

13:10-13:30

Measurements of spin correlation, spin polarization, and forward-backward asymmetries in $t\bar{t}$ events at the Tevatron (D0+CDF) (15' + 5')

Speaker

Andreas Jung

13:30

17:00

Top Quark and Electroweak Physics: 3

Session | **Location:** Huron, | **Convener:** Pedro Vieira De Castro Ferreira Da Silva

17:00-17:20

Single Top quark production cross section using the ATLAS detector at the LHC (15' + 5')

Speaker

Sebastian Mergelmeyer

17:20-17:40

Single top quark production measurements in CMS (15' + 5')

Speaker

Hamed Bakhshiansohi

17:40-18:00

Top physics at CLIC and ILC (15' + 5')

Speaker

Aleksander Filip Zarniecki

18:00-18:20

Top physics in pp collisions at 100 TeV (15' + 5')

Speaker

Michelangelo Mangano

18:20-18:40

Top, EW and BSM physics at the LHeC and FCC-he (15' + 5')

Speaker

Christian Schwanenberger

19:00

Friday 5 August

09:00

Top Quark and Electroweak Physics: 4

Session | **Location:** Huron | **Convener:** Joao Barreiro Guimaraes Da Costa

09:00–09:20

Measurement of the ZZ(*) and Zgamma production cross section at 8 TeV and 13 TeV and limits on anomalous triple gauge couplings with the ATLAS detector (15' + 5')

Speaker

Bing Zhou

09:20–09:35

Measurement of the WW production cross section at 8 TeV and 13 TeV and limits on anomalous triple gauge couplings with the ATLAS detector (13' + 2')

Speaker

Samira Hassani

09:35–09:50

Measurement of the WZ production cross section at 8 TeV and 13 TeV and limits on anomalous triple gauge couplings with the ATLAS detector (13' + 2')

Speaker

Christian Gutsche

09:50–10:10

Multiboson production in final states with W and Z decays at CMS (15' + 5')

Speaker

Rafael Coelho Lopes De Sa

10:10–10:30

Associated production of photons and other gauge bosons at CMS (15' + 5')

Speaker

Joshua Milo Kunkle

10:30–10:50

Anomalous Higgs and Triple Gauge Couplings in the Effective Field Theory Approach (15' + 5')

Speaker

Admir Greljo

10:50–11:10

QCD corrections to vector boson pair production in gluon fusion at the LHC (15' + 5')

Speaker

Lorenzo Tancredi

11:10

11:30

Top Quark and Electroweak Physics: 5**Session** | **Location:** Huron | **Convener:** Doreen Wackerroth

11:30–11:45

Fit of electroweak parameters in polarized deep-inelastic scattering using data from the H1 experiment (13' + 2')**Speaker**

Daniel Britzger

11:45–12:00

Dilepton Forward-Backward Asymmetry and electroweak mixing angle at ATLAS and CMS (13' + 2')**Speaker**

Jiyeon Han

12:00–12:20

Measurements and combinations of effective weak angle in Drell-Yan di-electron and di-muon channels at CDF and D0 (15'+5')**Speaker**

Willis Sakumoto

12:20–12:35

LHCb results on Z FB asymmetry and top cross section (13' + 2')**Speaker**

Xabier Cid Vidal

12:35–12:50

Electroweak production of single W and Z bosons at ATLAS and CMS (13' + 2')**Speaker**

Marco Lisboa Leite

12:50–13:05

Combined QCD and electroweak analysis of HERA data (13' + 2')**Speakers**

Amanda Sarkar, amanda sarkar

13:05–13:25

Measurement of the $e^+e^- \rightarrow \pi^+\pi^-\pi^0\pi^0$ and $e^+e^- \rightarrow \pi^+\pi^-\eta$ cross sections and implications for the muon $g-2$ (15' + 5')**Speaker**

Roland Waldi

13:25

17:00

Top Quark and Electroweak Physics: 6**Session** | **Location:** Huron | **Convener:** Joao Barreiro Guimaraes Da Costa

17:00–17:20

Precise Predictions to Divector Boson Production in Association with Jets at the LHC (15' + 5')**Speaker**

Fernando Febres Cordero

17:20–17:35

Measurement of WW and WZ production in the lepton plus heavy flavor jets final state at CDF (13' + 2')

Speakers

Sandra Leone, on behalf CDF Collaboration

17:35–17:55

Vector boson scattering, triple gauge-boson production (including Zgg) and limits on anomalous quartic gauge couplings with the ATLAS detector (15' + 5')**Speaker**

Hulin Wang

17:55–18:15 **WW + jet at 14 and 100 TeV (15' + 5')****Speaker**

Tania Robens

18:15–18:35 **EW phenomena at the highest Q² in pp collisions at 100 TeV (15' + 5')****Speaker**

Fulvio Piccinini

18:35–18:55

Precision Electroweak Measurements at a Future e+e- Linear Collider (15' + 5')**Speaker**

Graham Wilson

19:00

Saturday 6 August

14:00

Top Quark and Electroweak Physics: 7

Session | **Location:** Chicago 9 | **Convener:** Joao Barreiro Guimaraes Da Costa

14:00–14:20

Experimental studies towards a precise measurement of the W mass at ATLAS and CMS (15' + 5')

Speaker

Luca Perrozzi

14:20–14:40

Electroweak precision observables in the Standard Model and beyond: present and future (15' + 5')

Speaker

Dr Jorge de Blas

14:40–15:00

Electroweak Physics at FCC-ee (15' + 5')

Speaker

Mario Antonelli

15:00–15:20

EW Physics at CEPC (15' + 5')

Speaker

Zhijun Liang

15:20–15:40

Top Physics at FCC-ee (15' + 5')

Speaker

Prof. Freya Blekman

15:40

16:15

Top Quark and Electroweak Physics: 8

Session | **Location:** Chicago 9 | **Convener:** Pedro Vieira De Castro Ferreira Da Silva

16:15–16:35

Top Mass Measurement at D0 (15' + 5')

Speaker

Frederic Deliot

16:35–16:55

Measurements of the top quark mass with the ATLAS detector (15' + 5')

Speaker

Andreas Wildauer

16:55–17:15

Top mass measurements at CMS (15' + 5')

Speaker

Elvire Bouvier

17:15–17:35

Relating the top quark \overline{MS} and on-shell masses (15' + 5')

Speaker

Peter Marquard

17:35-17:55

Top quark mass calibration for Monte-Carlo event generators (15' + 5')

Speaker

Moritz Preisser

18:00