

Session Program

22-29 Jul 2015



EPS HEP 2015

Top and Electroweak Physics

Thursday 23 July

09:00

Top and Electroweak Physics

Session | Location: HS31

09:00–09:25

Improved prediction for the mass of the W boson in the SM, the MSSM and the NMSSM

Speaker

Prof. Georg Weiglein

09:25–09:43

Measurements of W charge asymmetry

Speaker

Jenny Lyn Holzbauer

09:43–10:01

Precision measurements of Standard Model parameters with the ATLAS detector

Speaker

Aleksandra Dimitrievska

10:01–10:19

W/Z results from CMS

Speaker

Rajdeep Mohan Chatterjee

10:19–10:37

Measurements of Z production distribution and decay asymmetry

Speaker

Aran Garcia-Bellido

11:00

11:30

Top and Electroweak Physics

Session | Location: HS31

11:30–11:48

Electroweak physics at LHCb

Speaker

William James Barter

11:48–12:06

Light-by-light scattering with intact protons at the LHC: from Standard Model to New Physics

Speaker

Matthias Saimpert

12:06–12:24

Measurement of exclusive $\gamma\gamma \rightarrow \ell\ell$ production in proton-proton collisions with the ATLAS detector

Speaker

Mariusz Przybycien

12:24-12:42

Exclusive $W+W^-$ production measured with the CMS experiment and constraints on Anomalous Quartic Gauge Couplings**Speaker**

Manfred Jeitler

12:42-13:00

Measurements of Vector Boson Fusion and Scattering and Multiboson production with the ATLAS detector**Speaker**

Narei Lorenzo Martinez

13:00

14:30

Top and Electroweak Physics**Session** | **Location:** HS31

14:30-14:48

Measurement of t-channel single top quark production in pp collisions**Speaker**

Francesco Fabozzi

14:48-15:06

Measurement of single top production in the tW-channel and search for s-channel in pp collisions**Speaker**

Mario Merola

15:06-15:24

Tevatron combined single top production cross sections**Speaker**

Manfredi Ronzani

15:24-15:42

Measurement of ttbar production cross section**Speaker**

Reinhild Peters

15:42-16:00

Top-quark pair production at hadron colliders: differential cross section and phenomenological applications with DiffTop**Speaker**

Katerina Lipka

16:00

16:30

Top and Electroweak Physics**Session** | **Location:** HS31

16:30-16:48

Measurements of the top quark pair production cross section in pp collisions**Speaker**

Eleni Ntomari

16:48-17:06

Measurement of differential cross sections in top pair production in pp collisions**Speaker**

Ulrich Husemann

17:06-17:24

Top quark pair production measurements using the ATLAS detector at the LHC**Speaker**

Dr Marino Romano

17:24-17:42

Measurements of $t\bar{t}$ +X using the ATLAS detector**Speaker**

Olga Bessidskaia Bylund

17:42-18:00

 $t\bar{t}$ + isolated photon production at NLO accuracy matched with parton shower**Speaker**

Zoltan Laszlo Trocsanyi

18:00

Friday 24 July

09:00

Top and Electroweak Physics

Session | Location: HS31

09:00–09:18

Flavour-changing top decays in the aligned two-Higgs-doublet model

Speaker

gauhar abbas

09:18–09:36

Z'-induced FCNC Decays of Top, Beauty and Strange Quarks

Speaker

Dr Masaya Kohda

09:36–09:54

Searching for anomalous top quark couplings and decays with the ATLAS detector

Speaker

Joseph Boudreau

09:54–10:12

Hadroproduction of a charged vector boson pair in association with a b-quark pair at NLO accuracy matched with parton shower

Speaker

Zoltan Laszlo Trocsanyi

10:12–10:30

Matching NLO QCD Corrections in WHIZARD with the POWHEG scheme

Speaker

Bijan Chokoufe

10:30–10:48

Subleading P-wave, Higgs and nonresonant contributions to top-pair production near threshold

Speaker

Mr Thomas Rauh

11:00

11:30

Top and Electroweak Physics

Session | Location: HS31

11:30–11:48

CMS Measurements of the top quark mass

Speaker

Henning Kirschenmann

11:48–12:06

Measurements of the top quark mass with the ATLAS detector

Speaker

Oleg Brandt

12:06–12:24

Measurement of the top quark mass and spin polarization at the Tevatron

13:00

Speaker

Boris Tuchming

12:25-12:43

New approaches in determining m_{top} : alternative techniques and differential measurements**Speaker**

Jan Kieseler

14:30

Top and Electroweak Physics**Session** | **Location:** HS31

14:30-14:48

Subleading processes in production of W^+W^- pairs in proton-proton collisions**Speaker**

Antoni Szczurek

14:48-15:06

Measurement of anomalous triple and quartic gauge couplings at CMS**Speaker**

Senka Duric

15:06-15:24

Di-boson production measurements with the ATLAS detector**Speaker**

Laurent Chevalier

15:24-15:42

Multiboson production at CMS**Speaker**

Phillip Russell Duerdo

15:42-16:00

The Inclusive four-lepton lineshape measurement from pp collisions at 8 TeV with ATLAS**Speaker**

Lailin Xu

16:18

16:30

18:00

Top and Electroweak Physics: Joint TOP/EW+QCD subsession on vector boson plus jet production**Session** | **Location:** HS31

Saturday 25 July

09:00

Top and Electroweak Physics

Session | Location: HS31

09:00–09:18 **Physics with jets at LHCb**

Speaker

Roger Barlow

09:18–09:36 **Top properties measurements with the ATLAS detector**

Speaker

Tom Neep

09:36–09:54

Measurements of the top quark properties in $t\bar{t}$ production at the LHC (includes charge asymmetry, top quark polarization, spin correlations and $t\bar{t}+V$)

Speaker

Frank Sebastian Roscher

09:54–10:12

Measurements of forward-backward asymmetries and top quark polarization with the D0 detector

Speaker

Ulrich Husemann

10:13–10:31

Measurement of the properties of top quarks in decays (includes W polarization, top quark charge and couplings)

Speaker

Jonatan Piedra Gomez

10:31–10:49 **Measurement of top quark properties in single top production**

Speaker

Andres Tiko

11:00

11:30

Top and Electroweak Physics

Session | Location: HS31

11:30–11:50 **Precision Electroweak measurements at the Future Circular Colliders**

Speaker

Mogens Dam

11:50–12:10 **Top and EW physics at the LHeC**

Speaker

Zhiqing Philippe Zhang

12:10–12:30 **Top Quark Physics at a Future Linear Collider**

Speaker

Roman Poeschl

13:00

12:30-12:50

Precision measurements of the top quark couplings at the FCC

Speaker

Patrick Janot