

## **Session Program**

**17-24 Jul 2013**



**HEP 2013**  
**Stockholm**  
**18-24 July 2013**



**EPS HEP 2013 Stockholm**

***Top and Electroweak Physics***

KTH and Stockholm University Campus

## Thursday 18 July

09:00

### Top and Electroweak Physics

Session | Location: KTH Campus, F2

09:00-09:20

#### Electroweak measurements from W and Z/gamma\* properties with the ATLAS detector

## Speaker

Massimiliano Bellomo

09:20-09:40

#### W and Z boson production at CMS

## Speaker

Sangeun Lee

09:40-10:00

#### Measurements of W/Z properties at the Tevatron

## Speakers

Stefan Soldner-Rembold, Stefan Soldner-Rembold

10:00-10:15

#### Measurements with electroweak gauge bosons at LHCb

## Speaker

Tara Shears

10:15-10:30

#### Elastic Z0 production at HERA

## Speaker

Dr Junpei Maeda

10:35

11:00

### Top and Electroweak Physics

Session | Location: KTH Campus, F2

11:00-11:20

#### Measurement of the mass of the W boson at DØ

## Speaker

Tibor Kurca

11:20-11:35

#### Prospects in W mass measurement

## Speaker

Alessandro Vicini

11:35-11:50

#### Testing the closure of the Standard Model: Tera-Z and Oku-W's at TLEP

## Speaker

Alain Blondel

11:50-12:15

#### Vector-boson pair production at the LHC

## Speaker

Tobias Kasprzik

	12:15-12:30	<b>Measurements of heavy flavour production in association with W and Z bosons with the ATLAS detector</b>
	<b>Speaker</b>	Ben Cooper
13:05	12:30-12:45	<b>W + Heavy Flavor Jet Measurements with CMS</b>
	<b>Speaker</b>	Isabel Ojalvo
14:30	12:45-13:00	<b>Measurement of vector boson plus photon production with the ATLAS detector and associated constraints on new physics</b>
	<b>Speaker</b>	Louis Helary
16:00	14:45-15:00	<b>Top and Electroweak Physics</b> Session   Location: KTH Campus, F2
	14:30-14:45	<b>Vector boson plus photon production at CMS</b>
	<b>Speaker</b>	Chia-Ming Kuo
	14:45-15:00	<b>Measurement of WW production with the ATLAS detector and constraints on associated triple gauge couplings</b>
	<b>Speaker</b>	Jianbei Liu
	15:00-15:15	<b>Measurement of WZ production with the ATLAS detector and constraints on associated triple gauge couplings</b>
	<b>Speaker</b>	Advait Neel Nagarkar
	15:15-15:30	<b>Measurement of ZZ production with the ATLAS detector and constraints on associated triple gauge couplings</b>
	<b>Speaker</b>	Andrea Bocci
	15:30-15:45	<b>WW, WZ, and ZZ production at CMS</b>
	<b>Speaker</b>	Jordi Duarte Campderros
	15:45-16:00	<b>Measurements of WW, ZZ cross section and search for anomalous quartic gauge couplings at D0</b>
	<b>Speaker</b>	Sudeshna Banerjee

16:30

**Top and Electroweak Physics**

Session | Location: KTH Campus, F2

16:30-16:50 **NNLO top quark pair production****Speaker**

Paul Fiedler

16:50-17:10

**Measurement of the inclusive top quark pair cross section in pp collisions at 7 and 8 TeV with the ATLAS detector****Speaker**

Anna Henrichs

17:10-17:30

**Measurement of the inclusive top quark pair cross section in pp collisions at 7 and 8 TeV with the CMS detector****Speaker**

Michael Maes

18:00

# Friday 19 July

09:00

## Top and Electroweak Physics

Session | Location: KTH Campus, F2

09:00-09:15 **Differential cross sections for top-pair and single-top production**

**Speaker**

Nikolaos Kidonakis

09:15-09:35

### Measurement of differential cross sections in top pair production in pp collisions with the CMS detector

**Speaker**

Philip Hugh Symonds

09:35-09:55

### Measurement of differential cross sections in top pair production in pp collisions with the ATLAS detector

**Speaker**

Ford Garberson

09:55-10:15 **Inclusive and differential top quark production at the Tevatron**

**Speaker**

Maria Veronica Sorin

10:15-10:30

### t tbar b bbar production at NLO accuracy matched with parton shower

**Speaker**

Zoltan Laszlo Trocsanyi

10:35

11:00

## Top and Electroweak Physics

Session | Location: KTH Campus, F2

11:00-11:20 **Top-quark Pair Production in a Running Mass Scheme**

**Speaker**

Matthew Dowling

11:20-11:40 **Top quark mass measurements in ATLAS**

**Speaker**

Gabriele Compostella

11:40-12:00 **CMS Measurements of the Top Quark Mass**

**Speaker**

Dr Hartmut Stadie

12:00-12:20 **Measurement of the top quark mass at the Tevatron**

**Speaker**

Reinhold Peters

	12:20-12:40	<b>New approaches in determining the mass of the top quark: alternative techniques and differential measurements</b>
	<b>Speaker</b>	Stijn Blyweert
13:00	12:40-13:00	<b>Top quark mass measurements at and above threshold in e+e- collisions at Linear Colliders</b>
	<b>Speaker</b>	Dr Philipp Roloff
14:30	<b>Top and Electroweak Physics</b>	Session   Location: KTH Campus, F2
	14:30-14:50	<b>Measurement of the single top quark production cross section in pp collisions with the ATLAS detector</b>
	<b>Speaker</b>	Attila Krasznahorkay
	14:50-15:05	<b>Measurement of t-channel single top quark production in pp collisions with the CMS detector</b>
	<b>Speaker</b>	Alberto Orso Maria Iorio
	15:05-15:20	<b>Measurement of single top production in the tW-channel in pp collisions and search for FCNC with the CMS detector</b>
	<b>Speaker</b>	Dr Gabriele Benelli
	15:20-15:40	<b>Single top quark production cross section at the Tevatron</b>
	<b>Speaker</b>	Aran Garcia-Bellido Alvarez De Miranda
	15:40-16:00	<b>Search for Single-Top Production in ep Collisions at HERA</b>
	<b>Speaker</b>	Stefano Antonelli
	16:00-16:15	<b>Top Decays with Flavor Changing Neutral Higgs Interactions at the LHC</b>
	<b>Speaker</b>	Chung Kao
16:30	16:15-16:30	<b>Probing for the t-&gt;ch decay at the LHC</b>
	<b>Speaker</b>	George Wei-Shu HOU

17:00

**Top and Electroweak Physics**

Session | Location: KTH Campus, F2

17:00-17:20 **Top quark properties studies at the Tevatron****Speaker**

Sandra Leone

17:20-17:40

**Measurement of intrinsic top quark properties (top mass, charge, top and W polarisation, and search for FCNC in top decays) with the ATLAS detector****Speaker**

Lucia Masetti

17:40-18:00

**Measurement of the properties of top quarks in decays (top quark and W polarization, top quark charge and couplings) with the CMS detector****Speaker**

Dr Mara Senghi Soares

18:00-18:20

**Top quark pair properties (spin correlations, charge asymmetry and complex final states) with the ATLAS detector****Speaker**

Liza Mijovic

18:20-18:40

**Measurements of the production properties of top quark pairs in pp collisions (includes charge asymmetry and spin correlations) with the CMS detector****Speaker**

Tyler Mc Millan Dorland

18:40-19:00

**Measurement of the charge asymmetry in top quark pair production at the Tevatron****Speakers**

Dr Demina, Dr regina demina

19:20

## Saturday 20 July

09:00

### Top and Electroweak Physics

Session | Location: KTH Campus, F2

09:00-09:20 **Advanced nucleon EM structure model and its predictability****Speaker**

Stanislav Dubnicka

09:20-09:40

### The QWeak Experiment: A measurement of the proton weak charge and up-down quark weak couplings.

**Speaker**

Michael Gericke

09:40-10:00 **TOPLHCWG: combinations of top measurements at the LHC****Speaker**

Markus Cristinziani

10:00-10:20

### Review of electroweak fits of the SM and beyond, after the Higgs discovery -- with Gfitter

**Speaker**

Max Baak

10:35

11:00

### Top and Electroweak Physics

Session | Location: KTH Campus, F2

11:00-11:20 **Beam Polarisation and Triple Gauge Couplings in ee->WW at the ILC****Speaker**

Jenny List

11:20-11:40

### A precise determination of top quark electroweak couplings at the ILC operating at 500 GeV

**Speaker**

Roman Poeschl

11:40-12:00

### Impact of beam polarization on the LC physics potential for the staged approach

**Speaker**

Gudrid Moortgat-Pick

12:00-12:20

### New determination of the e+e- hadronic cross section below 1 GeV with KLOE

**Speaker**

Graziano Venanzoni

12:20-12:40 **Four-loop on-shell integrals: MSbar -- on-shell relation and g-2**

	<b>Speaker</b> Peter Marquard
13:00	<b>12:40–13:00 NLO merging in <math>t\bar{t}</math>+jets</b>
	<b>Speaker</b> Marek Schoenherr