

Session Program

23-27 Jul 2018



26th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2018)

Electroweak, Top and Higgs Physics

Barcelona, Hotel Catalonia Plaza
Hotel Catalonia Plaza, Plaça Espanya, 6-8

Monday 23 July

15:00

Electroweak, Top and Higgs Physics: Session 1

Session | Location: Plaza 1 | Convener: Seth Zenz

15:00–15:20 **Can we discover a light singlet-like NMSSM Higgs boson at the LHC?**

Speaker

Conny Renate Beskidt

15:20–15:40

Searches for additional neutral Higgs bosons in the MSSM in ATLAS and CMS

Speaker

Daniel Winterbottom

15:40–16:00

Searches for additional charged Higgs bosons in the MSSM in ATLAS and CMS

Speaker

Christian Autermann

16:00–16:20

Mass-degenerate NMSSM Higgs bosons and the effects of quantum interference

Speaker

Dr Shoaib Munir

16:20–16:40

Higher-order corrections to scalar couplings in BSM models with extended Higgs sectors

Speaker

Johannes Braathen

16:40–17:00

Electroweak symmetry breaking by a neutral sector: Dynamical relaxation of the little hierarchy problem

Speaker

Bumseok Kyae

17:00

Tuesday 24 July

14:30

Electroweak, Top and Higgs Physics: Session 2

Session | Location: Room B | Convener: Jose Santiago Perez

14:30–14:50

Searches for non Standard Model decays of the Higgs to two light bosons in ATLAS and CMS

Speaker

Georgia Karapostoli

14:50–15:10

Searches for non-Standard Model decays to a light meson and a photon of the Higgs boson

Speaker

Rhys Edward Owen

15:10–15:30

Dark matter from electroweak top-quark production

Speaker

Susanne Westhoff

15:30–15:50

Matching BSM physics to the SMEFT and the Weak Hamiltonian with 1-loop accuracy

Speaker

Pedro Ruiz-Femenia

15:50–16:10

Multiboson production and searches for anomalous gauge boson couplings in ATLAS and CMS

Speaker

Carlos Francisco Erice Cid

16:10–16:30

Results of vector boson scattering from ATLAS and CMS

Speaker

Xavier Janssen

16:30

17:00

Electroweak, Top and Higgs Physics: Session 3

Session | Location: Room B | Convener: Valerio Dao

17:00–17:20

Measurement of cross sections and properties of the Higgs boson in decays to bosons with ATLAS and CMS

Speaker

Stylios Angelidakis

17:20–17:40

Measurements and searches of Higgs boson decays to two fermions at ATLAS and CMS

Speaker

Luca Fiorini

17:40–18:00

Quantum scale symmetry via constrained dimensional regularization

Speaker

Pawel Olszewski

18:00–18:20

New Weak-Scale Physics in SO(10) with High-Scale Supersymmetry

Speaker

Kunio Kaneta

18:40

Wednesday 25 July

14:30

Electroweak, Top and Higgs Physics: Session 4

Session | Location: Room B | Convener: Jose Santiago Perez

14:30–14:50

Highlights of top-quark production measurements at ATLAS and CMS (production: top pairs, single top as well as $t\bar{t}+X$, $t+X$)

Speaker

Olga Bessidskaia Bylund

14:50–15:10

Highlights of top-quark properties measurements at ATLAS and CMS

Speaker

Xin Chen

15:10–15:30

The top-quark mass: uncertainties due to bottom fragmentation

Speaker

Gennaro Corcella

15:30–15:50

$t\bar{t}H$ production measurements at CMS

Speaker

Dr Pietro Vischia

15:50–16:10

Studies of Higgs boson production in association with a $t\bar{t}b\bar{b}$ pair

Speaker

Alexander Held

16:10–16:30

High Precision Predictions for SUSY Higgs-Boson Masses

Speaker

Sven Heinemeyer

16:30

17:00

Electroweak, Top and Higgs Physics: Session 5

Session | Location: Room B | Convener: Susanne Westhoff

17:00–17:20

Search for di-Higgs production

Speaker

Elisabeth Petit

17:20–17:40

Higgs Pair Production at Future Hadron Colliders: From Kinematics to Dynamics

Speaker

Michihisa Takeuchi

17:40–18:00

A universally enhanced light-quarks Yukawa couplings paradigm

Speaker

Dr Shaouly Bar-Shalom

18:00–18:20

Search for LFV Higgs and Flavon decays at future colliders

Speaker

Prof. Lorenzo Diaz-Cruz

18:20–18:40

Higgs decays in the NMSSM

Speaker

Sven Heinemeyer

18:40