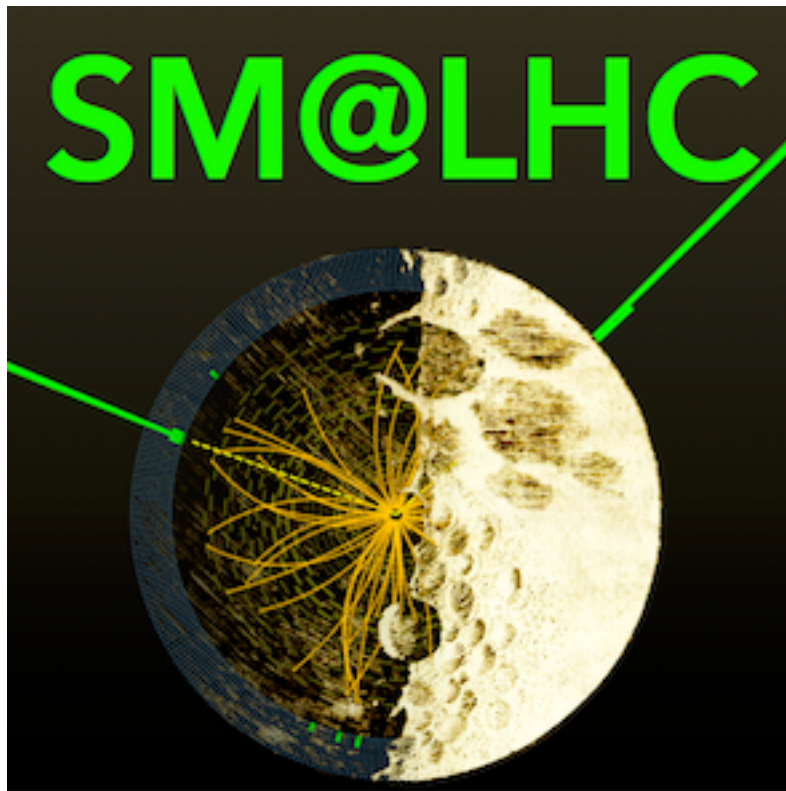


Standard Model at LHC 2015 (SM@LHC)



Report of Contributions

Contribution ID: 0

Type: **not specified**

SM Higgs theory

Tuesday 21 April 2015 11:30 (30 minutes)

Presenter: HARLANDER, Robert Valentin (Bergische Universitaet Wuppertal (DE))

Session Classification: Higgs Physics

Contribution ID: 1

Type: **not specified**

LHC results on Higgs production, decays, couplings, rare decays, offshell

Tuesday 21 April 2015 12:05 (30 minutes)

Presenter: KURO, Chia-Ming (National Central University (TW))

Session Classification: Higgs Physics

Contribution ID: 2

Type: **not specified**

LHC Higgs Boson Mass Combination

Tuesday 21 April 2015 12:40 (15 minutes)

Presenter: Dr ADYE, Tim (STFC - Rutherford Appleton Lab. (GB))

Session Classification: Higgs Physics

Contribution ID: 3

Type: **not specified**

Review on off-shell Higgs theory

Wednesday 22 April 2015 09:00 (25 minutes)

Presenter: KAUER, Nikolas (Royal Holloway, University of London)

Session Classification: Higgs Physics

Contribution ID: 4

Type: **not specified**

Review on BSM Higgs physics theory

Wednesday 22 April 2015 09:30 (20 minutes)

Presenter: AZATOV, Aleksandr (CERN)

Session Classification: Higgs Physics

Contribution ID: 5

Type: **not specified**

Searches for Additional Higgs Bosons and BSM Decays

Wednesday 22 April 2015 09:55 (20 minutes)

Presenter: ROZEN, Yoram (Israel Institute of Technology (IL))

Session Classification: Higgs Physics

Contribution ID: 6

Type: **not specified**

LHC results on Spin, Anomalous Couplings, and CP structure

Wednesday 22 April 2015 10:20 (20 minutes)

Presenter: Dr GONZALEZ SUAREZ, Rebeca (University of Nebraska (US))

Session Classification: Higgs Physics

Contribution ID: 7

Type: **not specified**

HH production and Higgs self coupling at the LHC and beyond

Thursday 23 April 2015 16:45 (20 minutes)

Presenter: Dr BAGLIO, Julien (University of Tübingen)

Session Classification: Higgs Physics

Contribution ID: 8

Type: **not specified**

Jet veto uncertainties and diff. cross sect.

Thursday 23 April 2015 17:10 (20 minutes)

Presenter: BANFI, Andrea (University of Sussex)

Session Classification: Higgs Physics

Contribution ID: 9

Type: **not specified**

EFT and Higgs physics

Thursday 23 April 2015 18:00 (25 minutes)

Presenter: RIVA, Francesco (Ecole Polytechnique Federale de Lausanne (CH))

Session Classification: Higgs Physics

Contribution ID: **10**

Type: **not specified**

LHC results on Fiducial and Differential Distributions

Thursday 23 April 2015 17:35 (20 minutes)

Presenter: GAO, Yanyan (University of Edinburgh (GB))

Session Classification: Higgs Physics

Contribution ID: 11

Type: **not specified**

Jet properties : Theory

Tuesday 21 April 2015 16:30 (20 minutes)

Primary author: SOYEZ, Gregory (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Presenter: SOYEZ, Gregory (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Session Classification: QCD Physics

Contribution ID: 12

Type: **not specified**

Jet properties : ATLAS

Tuesday 21 April 2015 17:00 (20 minutes)

Presenter: LACEY, James John (Carleton University (CA))

Session Classification: QCD Physics

Contribution ID: 13

Type: **not specified**

Jet properties : CMS

Tuesday 21 April 2015 17:30 (20 minutes)

Presenter: SHVETSOV, Ivan (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: QCD Physics

Contribution ID: 14

Type: **not specified**

PDF Theory

Wednesday 22 April 2015 14:30 (20 minutes)

Primary author: Dr UBIALI, Maria (University of Cambridge)

Presenter: Dr UBIALI, Maria (University of Cambridge)

Session Classification: QCD Physics

Contribution ID: 15

Type: **not specified**

PDF Experimental results

Wednesday 22 April 2015 14:55 (20 minutes)

Presenter: LIPKA, Katerina (Deutsches Elektronen-Synchrotron (DE))

Session Classification: QCD Physics

Contribution ID: **16**

Type: **not specified**

QCD resummation

Wednesday 22 April 2015 15:20 (20 minutes)

Primary author: MONNI, Pier Francesco (University of Oxford (GB))

Presenter: MONNI, Pier Francesco (University of Oxford (GB))

Session Classification: QCD Physics

Contribution ID: 17

Type: **not specified**

AlphaS measurements

Wednesday 22 April 2015 15:45 (20 minutes)

Presenter: KOKKAS, Panos (University of Ioannina (GR))

Session Classification: QCD Physics

Contribution ID: **18**

Type: **not specified**

Progress in Parton Shower

Thursday 23 April 2015 11:40 (20 minutes)

Primary author: NAIL, Graeme

Presenter: NAIL, Graeme

Session Classification: QCD Physics

Contribution ID: **19**

Type: **not specified**

Measurements used to tune MC generators

Thursday 23 April 2015 11:15 (20 minutes)

Presenter: YATSENKO, Elena (Centre National de la Recherche Scientifique (FR))

Session Classification: QCD Physics

Contribution ID: 20

Type: **not specified**

Multi-parton interaction theory

Thursday 23 April 2015 12:05 (20 minutes)

Primary author: GAUNT, Jonathan (DESY)

Presenter: GAUNT, Jonathan (DESY)

Session Classification: QCD Physics

Contribution ID: 21

Type: **not specified**

Multi-parton interaction experiment

Thursday 23 April 2015 12:30 (20 minutes)

Presenter: BELYAEV, Vanya (ITEP Institute for Theoretical and Experimental Physics (RU))

Session Classification: QCD Physics

Contribution ID: 22

Type: **not specified**

State-of-the-art of theory predictions for Drell-Yan processes

Tuesday 21 April 2015 09:30 (20 minutes)

Presenter: SCHWINN, Christian (Freiburg University)

Session Classification: Electroweak Physics

Contribution ID: 23

Type: **not specified**

W/Z and DY differential measurements (p_T , η , y , ϕ^*)

Tuesday 21 April 2015 10:00 (20 minutes)

Presenter: ILTEN, Philip (Massachusetts Inst. of Technology (US))

Session Classification: Electroweak Physics

Contribution ID: 24

Type: **not specified**

W/Z differential: Z AFB, angles and mass

Tuesday 21 April 2015 10:30 (20 minutes)

Presenter: GROSSI, Giulio Cornelio (Louisiana Tech University (US))

Session Classification: Electroweak Physics

Contribution ID: 25

Type: **not specified**

Theory review on diboson production

Wednesday 22 April 2015 11:15 (20 minutes)

Presenter: RATHLEV, Dirk

Session Classification: Electroweak Physics

Contribution ID: 26

Type: **not specified**

Precision multiboson phenomenology: status and prospects

Wednesday 22 April 2015 11:45 (20 minutes)

Presenter: RAUCH, Michael (Univ. Karlsruhe, KIT)

Session Classification: Electroweak Physics

Contribution ID: 27

Type: **not specified**

Diboson production and anomalous TGCs

Wednesday 22 April 2015 12:15 (20 minutes)

Presenter: BRIGLJEVIC, Vuko (Institute Rudjer Boskovic (HR))

Session Classification: Electroweak Physics

Contribution ID: **28**

Type: **not specified**

EWK Hot Topic from ATLAS

Wednesday 22 April 2015 12:45 (10 minutes)

Presenter: KOUSKOURA, Vasiliki (Brookhaven National Laboratory (US))

Session Classification: Electroweak Physics

Contribution ID: 29

Type: **not specified**

Precise electroweak predictions for V+multijet production

Thursday 23 April 2015 14:30 (20 minutes)

Presenter: POZZORINI, Stefano Augusto (Universitaet Zuerich (CH))

Session Classification: Electroweak Physics

Contribution ID: **30**

Type: **not specified**

W/Z + jets production

Thursday 23 April 2015 15:00 (20 minutes)

Presenter: NEUMEISTER, Norbert (Purdue University (US))

Session Classification: Electroweak Physics

Contribution ID: **31**

Type: **not specified**

VBF/VBS/triboson production and anomalous aQGC

Thursday 23 April 2015 15:30 (20 minutes)

Presenter: Dr LIANG, Zhijun (University of California, Santa Cruz (US))

Session Classification: Electroweak Physics

Contribution ID: **32**

Type: **not specified**

EWK Hot Topic from CMS

Thursday 23 April 2015 16:00 (10 minutes)

Presenter: CALDERON TAZON, Alicia (Universidad de Cantabria (ES))

Session Classification: Electroweak Physics

Contribution ID: **33**

Type: **not specified**

Theory talk on new physics in top and flavour

Tuesday 21 April 2015 14:20 (20 minutes)

Presenter: F. KAMENIK, Jernej (Jozef Stefan Institute)

Session Classification: Top & Flavour Physics

Contribution ID: 34

Type: **not specified**

Heavy flavour LHC results

Tuesday 21 April 2015 14:45 (20 minutes)

Presenter: PASSALEVA, Giovanni (INFN Florence (IT))

Session Classification: Top & Flavour Physics

Contribution ID: 35

Type: **not specified**

Heavy Flavour Theory

Wednesday 22 April 2015 18:40 (20 minutes)

Presenter: GORBAHN, Martin (Liverpool University)

Session Classification: Top & Flavour Physics

Contribution ID: 36

Type: **not specified**

LHCb results on heavy flavour jets, B tagging, V+HF and top prospects

Tuesday 21 April 2015 15:10 (20 minutes)

Presenter: ILTEN, Philip (Massachusetts Inst. of Technology (US))

Session Classification: Top & Flavour Physics

Contribution ID: 37

Type: **not specified**

Overview on inclusive and differential $t\bar{t}$ top cross section measurements and comparisons to fixed order calculation

Wednesday 22 April 2015 17:00 (20 minutes)

Presenter: SCODELLARO, Luca (Universidad de Cantabria (ES))

Session Classification: Top & Flavour Physics

Contribution ID: **38**

Type: **not specified**

Recent developments and prospects in $t\bar{t}$ NNLO QCD calculations

Wednesday 22 April 2015 18:15 (20 minutes)

Presenter: HEYMES, David (RWTH Aachen)

Session Classification: Top & Flavour Physics

Contribution ID: 39

Type: **not specified**

Final state measurements in $t\bar{t}$ events and comparison to MC generators

Tuesday 21 April 2015 15:35 (20 minutes)

Presenter: MIJOVIC, Liza (Universitaet Bonn (DE))

Session Classification: Top & Flavour Physics

Contribution ID: 40

Type: **not specified**

Overview on inclusive and differential single top cross section and results on V_{tb}

Wednesday 22 April 2015 17:25 (20 minutes)

Presenter: BECKER, Kathrin (University of Oxford (GB))

Session Classification: Top & Flavour Physics

Contribution ID: 41

Type: **not specified**

Recent developments on single top cross section calculations in NNLO

Wednesday 22 April 2015 17:50 (20 minutes)

Presenter: CAOLA, Fabrizio (CERN)

Session Classification: Top & Flavour Physics

Contribution ID: 42

Type: **not specified**

Recent progress in NLO ttbar Monte Carlo generators for complex observables

Thursday 23 April 2015 09:00 (25 minutes)

Presenter: KRAUSS, Frank Martin (University of Durham (GB))

Session Classification: Top & Flavour Physics

Contribution ID: 43

Type: **not specified**

Measurements $t\bar{t}$ production in association with boson

Thursday 23 April 2015 09:35 (20 minutes)

Presenter: LE BIHAN, Anne-Catherine (Institut Pluridisciplinaire Hubert Curien (FR))

Session Classification: Top & Flavour Physics

Contribution ID: 44

Type: **not specified**

Electroweak top quark couplings

Thursday 23 April 2015 10:00 (35 minutes)

Presenters: Dr STAMOU, Emmanuel (Weizmann Institute of Science); SCHULZE, Markus Christian (CERN)

Session Classification: Top & Flavour Physics

Contribution ID: 45

Type: **not specified**

HERAFitter project and its related studies

Wednesday 22 April 2015 16:10 (15 minutes)

Presenter: GLAZOV, Alexander (Deutsches Elektronen-Synchrotron (DE))

Session Classification: QCD Physics

Contribution ID: 46

Type: **not specified**

Higgs outlook

Friday 24 April 2015 10:00 (15 minutes)

Presenters: DAVID, André (CERN); SCHUMACHER, Markus (Albert-Ludwigs-Universitaet Freiburg (DE)); GRAZZINI, Massimiliano (Universitaet Zuerich (CH))

Session Classification: Summary talk & discussion

Contribution ID: 47

Type: **not specified**

Discussion

Friday 24 April 2015 10:15 (15 minutes)

Session Classification: Summary talk & discussion

Contribution ID: 48

Type: **not specified**

QCD outlook

Friday 24 April 2015 10:30 (15 minutes)

Presenters: BANFI, Andrea (University of Sussex); Dr SAOULIDOU, Niki (National and Kapodistrian University of Athens (GR)); COCO, Victor (CERN)

Session Classification: Summary talk & discussion

Contribution ID: 49

Type: **not specified**

Discussion

Friday 24 April 2015 10:45 (15 minutes)

Session Classification: Summary talk & discussion

Contribution ID: 50

Type: **not specified**

TOP+HF outlook

Friday 24 April 2015 11:30 (15 minutes)

Presenters: MITOV, Alexander Dimitrov (University of Cambridge (GB)); VESTERINEN, Mika Anton (Ruprecht-Karls-Universitaet Heidelberg (DE)); CARLI, Tancredi (CERN); HAISCH, Ulrich Andreas (University of Oxford (GB))

Session Classification: Summary talk & discussion

Contribution ID: 51

Type: **not specified**

Discussion

Friday 24 April 2015 11:45 (15 minutes)

Session Classification: Summary talk & discussion

Contribution ID: 52

Type: **not specified**

EWK outlook

Friday 24 April 2015 12:00 (15 minutes)

Presenters: MONTAGNA, Guido (University of Pavia e INFN, Pavia (IT)); BERRYHILL, Jeffrey (Fermi National Accelerator Lab. (US)); BARREIRO GUIMARAES DA COSTA, Joao (Harvard University (US))

Session Classification: Summary talk & discussion

Contribution ID: 53

Type: **not specified**

Discussion

Friday 24 April 2015 12:15 (15 minutes)

Session Classification: Summary talk & discussion

Contribution ID: 54

Type: **not specified**

Discussion and summary

Tuesday 21 April 2015 18:30 (30 minutes)

Presenters: Dr COSSUTTI, Fabio (Universita e INFN, Trieste (IT)); CARLI, Tancredi (CERN)

Session Classification: Truth particle definition

Contribution ID: 55

Type: **not specified**

Input from the Alice experiment

Presenter: Dr MORSCH, Andreas (CERN)

Contribution ID: 56

Type: **not specified**

Input from the NNPDF collaboration

Presenters: ROJO CHACON, Juan (University of Oxford (GB)); FORTE, Stefano (Università degli Studi e INFN Milano (IT))

Contribution ID: 57

Type: **not specified**

Welcome Address

Tuesday 21 April 2015 09:10 (15 minutes)

Presenter: Prof. MANDÒ, Pier Andrea (INFN and University of Florence)

Session Classification: Welcome

Contribution ID: 59

Type: **not specified**

Material Contributed to the Session

Tuesday 21 April 2015 18:00 (20 minutes)

Session Classification: Truth particle definition

Contribution ID: **61**

Type: **not specified**

Discussion

Friday 24 April 2015 09:00 (20 minutes)

Presenters: Dr COSSUTTI, Fabio (Universita e INFN, Trieste (IT)); CARLI, Tancredi (CERN)

Session Classification: Truth particle definition