

Standard Model at LHC 2014 (SM@LHC)



Report of Contributions

Contribution ID: 0

Type: **not specified**

EW corrections with emphasis on high energy behaviour (20'+10' discussion)

Tuesday, April 8, 2014 9:00 AM (30 minutes)

20'+10'

Presenter: SCHULZE, Markus Christian (CERN)

Session Classification: Electroweak Physics

Contribution ID: 1

Type: **not specified**

Diboson production: recent theoretical progress, 20'+10'

Tuesday, April 8, 2014 9:30 AM (30 minutes)

Presenter: KASPRZIK, Tobias (KIT, Karlsruhe)

Session Classification: Electroweak Physics

Contribution ID: 2

Type: **not specified**

New Di-Boson total and differential cross section measurements, 20+10'

Tuesday, April 8, 2014 10:00 AM (30 minutes)

Presenter: KUNKLE, Joshua Milo (University of Maryland (US))

Session Classification: Electroweak Physics

Contribution ID: 3

Type: **not specified**

Discussion

Tuesday, April 8, 2014 10:30 AM (15 minutes)

Session Classification: Electroweak Physics

Contribution ID: 4

Type: **not specified**

Effective theory approach in coupling determination, 15+10'

Wednesday, April 9, 2014 9:25 AM (25 minutes)

Presenter: Dr MAWATARI, Kentarou (Korea Institute for Advanced Study)

Session Classification: Higgs Physics

Contribution ID: 5

Type: **not specified**

Measurement of Higgs decay in Bosonic final states at LHC, 20+10'

Tuesday, April 8, 2014 11:40 AM (30 minutes)

Presenter: FERRARI, Pamela (NIKHEF (NL))

Session Classification: Higgs Physics

Contribution ID: 6

Type: **not specified**

Measurement of Higgs decay in Fermionic final states at LHC and Tevatron, 20+10'

Tuesday, April 8, 2014 12:10 PM (30 minutes)

Presenter: KROPIVNITSKAYA, Anna (Kangweon National University (KR))

Session Classification: Higgs Physics

Contribution ID: 7

Type: **not specified**

Review of recent developments in BSM Higgs physics, 20+5'

Tuesday, April 8, 2014 12:40 PM (25 minutes)

Presenter: HEINEMEYER, Sven (CSIC (Santander, ES))

Session Classification: Higgs Physics

Contribution ID: 8

Type: **not specified**

Status for the calculation of theory errors in B decays, 20+5'

Tuesday, April 8, 2014 2:30 PM (25 minutes)

Presenter: Dr MATIAS, Joaquim (Universitat Autònoma de Barcelona)

Session Classification: Top Physics

Contribution ID: 9

Type: **not specified**

Experimental talk on current measurements on B decays, 20+5'

Tuesday, April 8, 2014 2:55 PM (25 minutes)

Presenter: COWAN, Greig (University of Edinburgh (GB))

Session Classification: Top Physics

Contribution ID: **10**

Type: **not specified**

Future prospects for HF measurements, 15+5'

Tuesday, April 8, 2014 3:20 PM (20 minutes)

Presenter: YASCHENKO, Sergey (DESY)

Session Classification: Top Physics

Contribution ID: **11**

Type: **not specified**

Discussion

Tuesday, April 8, 2014 3:40 PM (35 minutes)

Session Classification: Top Physics

Contribution ID: 12

Type: **not specified**

Precision calculations for the LHC, 20+10'

Tuesday, April 8, 2014 4:45 PM (30 minutes)

Presenter: GLOVER, Nigel (University of Durham (GB))

Session Classification: QCD Physics

Contribution ID: 13

Type: **not specified**

QCD measurements at LHC: Jets, multi-jets, α_S , 20+10'

Tuesday, April 8, 2014 5:15 PM (30 minutes)

Presenter: STOBER, Fred (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: QCD Physics

Contribution ID: 14

Type: **not specified**

Resummation, 20+10'

Tuesday, April 8, 2014 5:45 PM (30 minutes)

Presenter: MARZANI, Simone (IPPP / Durham University)

Session Classification: QCD Physics

Contribution ID: 15

Type: **not specified**

Discussion

Tuesday, April 8, 2014 6:15 PM (15 minutes)

Session Classification: QCD Physics

Contribution ID: 16

Type: **not specified**

Review of recent developments in SM Higgs physics, 20+5

Tuesday, April 8, 2014 11:15 AM (25 minutes)

Presenter: FORTE, Stefano (Università degli Studi e INFN Milano (IT))

Session Classification: Higgs Physics

Contribution ID: 17

Type: **not specified**

Measurement of the Higgs boson mass, width and Spin-CP quantum numbers at LHC and Tevatron, 20+10'

Wednesday, April 9, 2014 9:50 AM (30 minutes)

Presenter: DALCHENKO, Mykhailo (Ecole Polytechnique (FR))

Session Classification: Higgs Physics

Contribution ID: **18**

Type: **not specified**

Measurement of SM Higgs differential fiducial cross-sections at LHC, 15+5'

Thursday, April 10, 2014 5:35 PM (20 minutes)

Presenter: SKOTTOWE, Hugh (Harvard University)

Session Classification: Higgs Physics

Contribution ID: 19

Type: **not specified**

Combining resummed Higgs predictions across jet bin, 15+10'

Wednesday, April 9, 2014 10:20 AM (25 minutes)

Presenter: TACKMANN, Frank

Session Classification: Higgs Physics

Contribution ID: **20**

Type: **not specified**

Discussion

Contribution ID: 21

Type: **not specified**

Theory predictions and Monte Carlo modeling for top physics, 20+5'

Wednesday, April 9, 2014 11:15 AM (25 minutes)

Presenter: WINTER, Jan (Dresden University)

Session Classification: Top Physics

Contribution ID: 22

Type: **not specified**

T-tbar production: inclusive and differential cross section measurements, 20+5'

Wednesday, April 9, 2014 11:40 AM (25 minutes)

Presenter: NEGRINI, Matteo (Universita e INFN (IT))

Session Classification: Top Physics

Contribution ID: 23

Type: **not specified**

Top mass measurements, 15+5'

Wednesday, April 9, 2014 12:05 PM (20 minutes)

Presenter: CRUCY, Shannon (Ghent University (BE))

Session Classification: Top Physics

Contribution ID: 24

Type: **not specified**

Discussion

Wednesday, April 9, 2014 12:25 PM (35 minutes)

Session Classification: Top Physics

Contribution ID: 25

Type: **not specified**

PDFs Theory, 20+5'

Wednesday, April 9, 2014 2:30 PM (25 minutes)

Presenter: ROJO CHACON, Juan (CERN)

Session Classification: QCD Physics

Contribution ID: 26

Type: **not specified**

PDF measurements at the LHC (jet, V+jet, photons), 20+10'

Wednesday, April 9, 2014 2:55 PM (30 minutes)

Presenter: LA LICATA, Chiara (Universita e INFN (IT))

Session Classification: QCD Physics

Contribution ID: 27

Type: **not specified**

Photon production, 15+5'

Wednesday, April 9, 2014 3:25 PM (20 minutes)

Presenter: BLAIR, Robert (Argonne National Laboratory (US))

Session Classification: QCD Physics

Contribution ID: 28

Type: **not specified**

V+jet + HF production, 15+5'

Wednesday, April 9, 2014 3:45 PM (20 minutes)

Presenter: Dr CHIODINI, Gabriele (Universita del Salento (IT))

Session Classification: QCD Physics

Contribution ID: 29

Type: **not specified**

Discussion

Wednesday, April 9, 2014 4:05 PM (10 minutes)

Session Classification: QCD Physics

Contribution ID: 30

Type: **not specified**

Differential W/Z distributions (I): p_T/ϕ^* , boosted W/Z, generator tuning, 20+10'

Wednesday, April 9, 2014 4:45 PM (30 minutes)

Presenter: LISOVYI, Mykhailo (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Electroweak Physics

Contribution ID: 31

Type: **not specified**

Differential W/Z distributions (and II): Angles and mass, 20+10'

Wednesday, April 9, 2014 5:15 PM (30 minutes)

Presenter: PERROZZI, Luca (CERN)

Session Classification: Electroweak Physics

Contribution ID: 32

Type: **not specified**

MC simulations of vector-boson production processes: recent methodological developments, 20+10'

Wednesday, April 9, 2014 5:45 PM (30 minutes)

Presenter: SIEGERT, Frank (Technische Universitaet Dresden (DE))

Session Classification: Electroweak Physics

Contribution ID: 33

Type: **not specified**

Single-top theory overview, 15+5'

Thursday, April 10, 2014 9:00 AM (20 minutes)

Presenter: FRIXIONE, Stefano (CERN)

Session Classification: Top Physics

Contribution ID: **34**

Type: **not specified**

Single-top measurements at LHC, 20+5'

Thursday, April 10, 2014 9:20 AM (25 minutes)

Presenter: MEROLA, Mario (Universita e INFN (IT))

Session Classification: Top Physics

Contribution ID: 35

Type: **not specified**

Boosted top: SM and new physics 20+5'

Thursday, April 10, 2014 9:45 AM (25 minutes)

Presenter: KASIECZKA, Gregor (Eidgenoessische Tech. Hochschule Zuerich (CH))

Session Classification: Top Physics

Contribution ID: 36

Type: **not specified**

Top properties and new physics studies, charge/FB asymmetries, W helicity, top polarization, etc., 20+5'

Thursday, April 10, 2014 10:10 AM (25 minutes)

Presenter: DETERRE, Cecile (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Top Physics

Contribution ID: 37

Type: **not specified**

Discussion

Thursday, April 10, 2014 10:35 AM (10 minutes)

Session Classification: Top Physics

Contribution ID: **38**

Type: **not specified**

(N)NLO+MC, 20+10'

Thursday, April 10, 2014 11:15 AM (30 minutes)

Presenter: PRESTEL, Stefan (Deutsches Elektronen-Synchrotron (DE))

Session Classification: QCD Physics

Contribution ID: 39

Type: **not specified**

PS Uncertainties, MPI, UE and Tuning, 20+10'

Thursday, April 10, 2014 11:45 AM (30 minutes)

Presenter: GIESEKE, Stefan (Unknown)

Session Classification: QCD Physics

Contribution ID: 40

Type: **not specified**

Measurements useful for MC tuning (Event shapes, color coherence, UE, kt splitting, jet substructure, ...), 20+10'

Thursday, April 10, 2014 12:15 PM (30 minutes)

Presenter: ROBINSON, James (University of Manchester (UK))

Session Classification: QCD Physics

Contribution ID: 41

Type: **not specified**

Discussion

Thursday, April 10, 2014 12:45 PM (15 minutes)

Session Classification: QCD Physics

Contribution ID: 42

Type: **not specified**

VBF and VBS processes: state-of-the art theory predictions and open issues, 20+10'

Thursday, April 10, 2014 2:30 PM (30 minutes)

Presenter: JAEGER, Barbara (Johannes-Gutenberg University Mainz)

Session Classification: Electroweak Physics

Contribution ID: 43

Type: **not specified**

VBF production of single gauge bosons, 15+5'

Thursday, April 10, 2014 3:00 PM (20 minutes)

Presenter: JONES, Graham (University of Warwick (GB))

Session Classification: Electroweak Physics

Contribution ID: 44

Type: **not specified**

TGC and QGC in the presence of a light Higgs boson, 20+10'

Thursday, April 10, 2014 3:20 PM (30 minutes)

Presenter: Prof. HAN, Tao (University of Wisconsin)

Session Classification: Electroweak Physics

Contribution ID: 45

Type: **not specified**

QGC in VVjj and VVV final states: Measurements and prospects, 20+10'

Thursday, April 10, 2014 3:50 PM (30 minutes)

Presenter: KOBEL, Michael (Technische Universitaet Dresden (DE))

Session Classification: Electroweak Physics

Contribution ID: 46

Type: **not specified**

Test of the Higgs boson couplings with LHC and Tevatron data, 20+10'

Thursday, April 10, 2014 4:45 PM (30 minutes)

Presenter: VALENTINETTI, Sara (Universita e INFN (IT))

Session Classification: Higgs Physics

Contribution ID: 47

Type: **not specified**

NNNLO $gg \rightarrow H$, 15 + 5'

Thursday, April 10, 2014 5:15 PM (20 minutes)

Presenter: HERZOG, Franz (CERN)

Session Classification: Higgs Physics

Contribution ID: 48

Type: **not specified**

Measuring Higgs width at the LHC via interference effects, 15+10'

Wednesday, April 9, 2014 9:00 AM (25 minutes)

Presenters: PASSARINO, Giampiero (Torino University); PASSARINO, Gian Piero (Universita e INFN (IT))

Session Classification: Higgs Physics

Contribution ID: 49

Type: **not specified**

Search for rare and BSM Higgs decays, 20+10'

Thursday, April 10, 2014 5:55 PM (30 minutes)

Presenter: CASASSO, Stefano

Session Classification: Higgs Physics

Contribution ID: 50

Type: **not specified**

Introduction to CIEMAT

Tuesday, April 8, 2014 8:45 AM (10 minutes)

Presenter: CERRADA, Marcos (Centro de Investigaciones Energ. Medioambientales y Tecn. - (ES)

Session Classification: Welcome

Contribution ID: 51

Type: **not specified**

General info & Logistics

Tuesday, April 8, 2014 8:55 AM (5 minutes)

Presenter: Dr PUERTA PELAYO, Jesus (Centro de Investigaciones Energ. Medioambientales y Tecn.
- (ES)

Session Classification: Welcome

Contribution ID: 52

Type: **not specified**

TOP+HF outlook

Friday, April 11, 2014 10:00 AM (15 minutes)

Presenter: PECJAK, Ben (DESY)

Session Classification: Summary talks & discussion

Contribution ID: 53

Type: **not specified**

QCD outlook

Friday, April 11, 2014 10:30 AM (15 minutes)

Presenter: RABBERTZ, Klaus (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Summary talks & discussion

Contribution ID: 54

Type: **not specified**

EWK outlook

Contribution ID: 55

Type: **not specified**

Higgs outlook

Contribution ID: 56

Type: **not specified**

EWK outlook

Friday, April 11, 2014 11:30 AM (15 minutes)

Presenter: BLUMENSCHN, Ulrike (Georg-August-Universitaet Goettingen (DE))

Session Classification: Summary talks & discussion

Contribution ID: 57

Type: **not specified**

Discussion

Contribution ID: 58

Type: **not specified**

Higgs outlook

Friday, April 11, 2014 12:00 PM (15 minutes)

Presenter: BOUGHEZAL, Radja (Wuerzburg University)

Session Classification: Summary talks & discussion

Contribution ID: 59

Type: **not specified**

Discussion

Contribution ID: **60**

Type: **not specified**

Closing remarks

Friday, April 11, 2014 12:30 PM (5 minutes)

Presenter: CIULLI, Vitaliano (Universita e INFN (IT))

Session Classification: Summary talks & discussion