

Vienna Central European Seminar 2016



12th VIENNA CENTRAL EUROPEAN SEMINAR
ON PARTICLE PHYSICS AND QUANTUM FIELD THEORY

PHYSICS AT LHC - RUN 2

Dec 01-02, 2016

Report of Contributions

Contribution ID: 1

Type: **not specified**

Public Lecture

Contribution ID: 2

Type: **not specified**

Higgs Experimental Overview

Thursday 1 December 2016 09:30 (40 minutes)

35 talk + 5 discussion

Presenter: VAZQUEZ SCHROEDER, Tamara (McGill University (CA))

Session Classification: THU1

Contribution ID: 3

Type: **not specified**

Higgs precision calculations at the LHC

Thursday 1 December 2016 10:10 (25 minutes)

20 talk + 5 discussion

Presenter: MELNIKOV, Kirill (Karlsruhe Institute of Technology, Germany)

Session Classification: THU1

Contribution ID: 4

Type: **not specified**

Energizing Higgs phenomenology at the LHC

Thursday 1 December 2016 10:35 (25 minutes)

20 talk + 5 discussion

Presenter: SPANNOWSKY, Michael (IPPP Durham)

Session Classification: THU1

Contribution ID: 5

Type: **not specified**

Standard Model Experimental Overview

Thursday 1 December 2016 11:30 (40 minutes)

35 talk + 5 discussion

Presenter: LAYCOCK, Paul James (University of Liverpool (GB))

Session Classification: THU2

Contribution ID: 6

Type: **not specified**

Top quark physics at the LHC

Thursday 1 December 2016 12:10 (25 minutes)

20 talk + 5 discussion

Presenter: MOCH, S. (UHH)

Session Classification: THU2

Contribution ID: 7

Type: **not specified**

Top mass calibration for Monte Carlo generators

Thursday 1 December 2016 12:35 (25 minutes)

20 talk + 5 discussion

Presenter: PREISSER, Moritz (University of Vienna)

Session Classification: THU2

Contribution ID: 8

Type: **not specified**

Standard Model Theory for the LHC

Thursday 1 December 2016 14:30 (45 minutes)

40 talk + 5 discussion

Presenter: GEHRMANN, Thomas (University of Zurich)

Session Classification: THU3

Contribution ID: 9

Type: **not specified**

Physics at Future Colliders

Thursday 1 December 2016 15:15 (45 minutes)

40 talk + 5 discussion

Presenter: LIST, Jenny (Deutsches Elektronen-Synchrotron (DE))

Session Classification: THU3

Contribution ID: **10**

Type: **not specified**

Dark Matter Theory Overview

Thursday 1 December 2016 16:30 (40 minutes)

35 talk + 5 discussion

Presenter: Prof. BOEHM, celine

Session Classification: THU4

Contribution ID: 11

Type: **not specified**

Dark Matter direct detection: experimental overview (CANCELED)

Thursday 1 December 2016 17:10 (25 minutes)

20 talk + 5 discussion

Presenter: KLUCK, Holger (HEPHY)

Session Classification: THU4

Contribution ID: 12

Type: **not specified**

Flavor Theory overview

Friday 2 December 2016 14:30 (35 minutes)

30 talk + 5 discussion

Presenter: STRAUB, David (Excellence Cluster Universe, Munich)

Session Classification: FRI3

Contribution ID: 13

Type: **not specified**

Flavor Experimental Overview (LHCb)

Friday 2 December 2016 15:05 (35 minutes)

30 talk + 5 discussion

Presenter: NERI, Nicola (Università degli Studi e INFN Milano (IT))

Session Classification: FRI3

Contribution ID: 14

Type: **not specified**

Status of Lattice Calculations

Friday 2 December 2016 15:40 (25 minutes)

20 talk + 5 discussion

Presenter: SACHRAJDA, Christopher (University of Southampton)

Session Classification: FRI3

Contribution ID: 15

Type: **not specified**

Heavy Ion Theory Overview

Friday 2 December 2016 16:30 (45 minutes)

40 talk + 5 discussion

Presenter: BLAIZOT, Jean-Paul (IPhT Saclay)

Session Classification: FRI4

Contribution ID: 16

Type: **not specified**

Heavy Ion Experimental Overview

Friday 2 December 2016 17:15 (45 minutes)

40 talk + 5 discussion

Presenter: WEBER, Michael (Stefan Meyer Institute for Subatomic Physics (SMI), Austrian Academy of Sciences (AT))

Session Classification: FRI4

Contribution ID: 17

Type: **not specified**

BSM / Exotica (non-SUSY) experimental overview

Friday 2 December 2016 09:30 (45 minutes)

40 talk + 5 discussion

Presenter: MIKULEC, Ivan (Austrian Academy of Sciences (AT))

Session Classification: FRI1

Contribution ID: **18**

Type: **not specified**

Searches for Supersymmetry with CMS and ATLAS Detectors at the LHC

Friday 2 December 2016 11:30 (40 minutes)

35 talk + 5 discussion

Presenter: CAKIR, Altan (Istanbul Technical University (TR))

Session Classification: FRI2

Contribution ID: **19**

Type: **not specified**

BSM Theory Overview

Friday 2 December 2016 10:15 (45 minutes)

40 talk + 5 discussion

Presenter: POMAROL, Alex (Universidad de Barcelona)

Session Classification: FRI1

Contribution ID: **20**

Type: **not specified**

BSM Theory Overview

Friday 2 December 2016 12:10 (25 minutes)

20 talk + 5 discussion

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

Session Classification: FRI2

Contribution ID: 21

Type: **not specified**

Status of SUSY

Friday 2 December 2016 12:35 (25 minutes)

20 talk + 5 discussion

Presenter: POROD, Werner Rudolf (Julius Maximilians Universitaet Wuerzburg (DE))

Session Classification: FRI2

Contribution ID: 22

Type: **not specified**

Public Lecture: Cosmic ripples from black holes and the big bang

Thursday 1 December 2016 18:30 (1 hour)

Presenter: KAMIONKOWSKI, Marc (Johns Hopkins University)

Contribution ID: 23

Type: **not specified**

Conference Dinner

Contribution ID: **24**

Type: **not specified**

Registration

Thursday 1 December 2016 08:30 (1 hour)

Contribution ID: 25

Type: **not specified**

Registration

Friday 2 December 2016 08:30 (1 hour)

Contribution ID: 26

Type: **not specified**

Planetarium show (limited attendance)

Friday 2 December 2016 13:15 (30 minutes)

“The Phantom of the Universe - the Hunt for Dark Matter”

Contribution ID: 27

Type: **not specified**

Constraining the pMSSM with SModels

Thursday 1 December 2016 13:00 (1 hour)

Presenter: AMBROGI, Federico (Austrian Academy of Sciences (AT))

Session Classification: Poster Session (lunch provided)

Contribution ID: 28

Type: **not specified**

From threshold to continuum: Off-shell top pair production at a lepton collider

Thursday 1 December 2016 13:00 (1 hour)

Presenter: CHOKOUFE, Bijan

Session Classification: Poster Session (lunch provided)

Contribution ID: 29

Type: **not specified**

Four tops for LHC

Thursday 1 December 2016 13:00 (1 hour)

Presenter: FAROUGHY, Darius (Jozef Stefan Institute)

Session Classification: Poster Session (lunch provided)

Contribution ID: **30**

Type: **not specified**

Neutral Meson Oscillations in Baryonic Matter

Thursday 1 December 2016 13:00 (1 hour)

Presenter: FILIP, Peter (Slovak Academy of Sciences (SK))

Session Classification: Poster Session (lunch provided)

Contribution ID: **31**

Type: **not specified**

Neutrino masses from a matrix analysis point of view

Thursday 1 December 2016 13:00 (1 hour)

Presenter: FLIEGER, Wojciech (University of Silesia)

Session Classification: Poster Session (lunch provided)

Contribution ID: 32

Type: **not specified**

The Grimus-Neufeld model with today's measurements

Thursday 1 December 2016 13:00 (1 hour)

Presenter: GAJDOSIK, Thomas (Vilnius University (LT))

Session Classification: Poster Session (lunch provided)

Contribution ID: 33

Type: **not specified**

The limits on the strong Higgs sector parameters in the presence of new vector resonances

Thursday 1 December 2016 13:00 (1 hour)

Presenter: GINTNER, Mikulas (University of Zilina (SK))

Session Classification: Poster Session (lunch provided)

Contribution ID: 34

Type: **not specified**

Three jet production with the CoLoRFuINNLO method

Thursday 1 December 2016 13:00 (1 hour)

Presenter: KARDOS, Adam (University of Debrecen)

Session Classification: Poster Session (lunch provided)

Contribution ID: 35

Type: **not specified**

Proton lifetime in the minimal SO(10) GUT and its implications for the LHC

Thursday 1 December 2016 13:00 (1 hour)

Presenter: KOLESOVA, Helena

Session Classification: Poster Session (lunch provided)

Contribution ID: 36

Type: **not specified**

Noncommutative Geometry and the Higgs phenomenon

Thursday 1 December 2016 13:00 (1 hour)

Presenter: MADORE, John

Session Classification: Poster Session (lunch provided)

Contribution ID: 37

Type: **not specified**

One-loop spectrum of the minimal calculable unified model

Thursday 1 December 2016 13:00 (1 hour)

Presenter: MEDE, Timon (IJS)

Session Classification: Poster Session (lunch provided)

Contribution ID: 38

Type: **not specified**

Search for top squark pair-production in the single-lepton channel in models with highly compressed mass spectra with the CMS experiment

Thursday 1 December 2016 13:00 (1 hour)

Presenter: RAD, Navid K. (Austrian Academy of Sciences (AT))

Session Classification: Poster Session (lunch provided)

Contribution ID: 39

Type: **not specified**

Dissipative Losses in Self-Interacting Dark Matter Collisions

Thursday 1 December 2016 13:00 (1 hour)

Presenter: SEMMELROCK, Lukas

Session Classification: Poster Session (lunch provided)

Contribution ID: 40

Type: **not specified**

H->tau tau measurements with CMS

Thursday 1 December 2016 13:00 (1 hour)

Presenter: SPANRING, Markus (Austrian Academy of Sciences (AT))

Session Classification: Poster Session (lunch provided)

Contribution ID: 41

Type: **not specified**

Search for supersymmetry in pp collisions at 13 TeV in the single lepton final state with the CMS experiment

Thursday 1 December 2016 13:00 (1 hour)

Presenter: SPITZBART, Daniel (Austrian Academy of Sciences (AT))

Session Classification: Poster Session (lunch provided)

Contribution ID: 42

Type: **not specified**

Exploring Non-Local Observables in Shock Wave Collisions

Thursday 1 December 2016 13:00 (1 hour)

Presenter: STANZER, Philipp

Session Classification: Poster Session (lunch provided)

Contribution ID: 43

Type: **not specified**

One-loop effective actions and higher spins

Thursday 1 December 2016 13:00 (1 hour)

Presenter: STEMBERGA, Tamara

Session Classification: Poster Session (lunch provided)

Contribution ID: 44

Type: **not specified**

Three jet rate in electron-positron annihilation

Thursday 1 December 2016 13:00 (1 hour)

Presenter: SZOR, Zoltan

Session Classification: Poster Session (lunch provided)

Contribution ID: 45

Type: **not specified**

N-jettiness at NNLO accuracy in electron-positron annihilation

Thursday 1 December 2016 13:00 (1 hour)

Presenter: TULIPÁNT, Zoltán

Session Classification: Poster Session (lunch provided)

Contribution ID: 46

Type: **not specified**

Studies of correlations between measurements of jet observables

Thursday 1 December 2016 13:00 (1 hour)

Presenter: VERBYTSKYI, Andrii (Max-Planck-Institut für Physik (DE))

Session Classification: Poster Session (lunch provided)

Contribution ID: 48

Type: **not specified**

Combined analysis of charm-quark fragmentation-fraction measurements

Thursday 1 December 2016 13:00 (1 hour)

Presenter: ZENAIEV, Oleksandr (DESY)

Session Classification: Poster Session (lunch provided)