

Vienna Central European Seminar 2016

Thursday 01 December 2016 - Friday 02 December 2016

Natural History Museum



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

PHYSICS AT LHC - RUN 2

Dec 01-02, 2016

Book of Abstracts

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FRI1 / 17

BSM / Exotica (non-SUSY) experimental overview

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40 talk + 5 discussion

FRI2 / 20

BSM Theory Overview

Corresponding Author: jernej.kamenik@ijs.si

20 talk + 5 discussion

FRI1 / 19

BSM Theory Overview

Corresponding Author: alex.pomarol@cern.ch

40 talk + 5 discussion

Poster Session (lunch provided) / 48

Combined analysis of charm-quark fragmentation-fraction measurements

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Conference Dinner

Poster Session (lunch provided) / 27

Constraining the pMSSM with SModelS

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THU4 / 10

Dark Matter Theory Overview

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35 talk + 5 discussion

THU4 / 11

Dark Matter direct detection: experimental overview (CANCELED)

Corresponding Author: holger.kluck@oeaw.ac.at

20 talk + 5 discussion

Poster Session (lunch provided) / 39

Dissipative Losses in Self-Interacting Dark Matter Collisions

THU1 / 4

Energizing Higgs phenomenology at the LHC

Corresponding Author: michael.spannowsky@googlemail.com

20 talk + 5 discussion

Poster Session (lunch provided) / 42

Exploring Non-Local Observables in Shock Wave Collisions

FRI3 / 13

Flavor Experimental Overview (LHCb)

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30 talk + 5 discussion

FRI3 / 12

Flavor Theory overview

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30 talk + 5 discussion

Poster Session (lunch provided) / 29

Four tops for LHC

Corresponding Author: darius.faroughy@ijs.si

Poster Session (lunch provided) / 28

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

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Poster Session (lunch provided) / 40

H->tau tau measurements with CMS

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FRI4 / 16

Heavy Ion Experimental Overview

Corresponding Author: m.weber@cern.ch

40 talk + 5 discussion

FRI4 / 15

Heavy Ion Theory Overview

40 talk + 5 discussion

THU1 / 2

Higgs Experimental Overview

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35 talk + 5 discussion

THU1 / 3

Higgs precision calculations at the LHC

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20 talk + 5 discussion

Poster Session (lunch provided) / 45

N-jettiness at NNLO accuracy in electron-positron annihilation

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Poster Session (lunch provided) / 30

Neutral Meson Oscillations in Baryonic Matter

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Poster Session (lunch provided) / 31

Neutrino masses from a matrix analysis point of view

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Poster Session (lunch provided) / 36

Noncommutative Geometry and the Higgs phenomenon

Poster Session (lunch provided) / 43

One-loop effective actions and higher spins

Poster Session (lunch provided) / 37

One-loop spectrum of the minimal calculable unified model

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THU3 / 9

Physics at Future Colliders

Corresponding Author: jenny.list@cern.ch

40 talk + 5 discussion

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Planetarium show (limited attendance)

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

Poster Session (lunch provided) / 35

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

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Public Lecture

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

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Registration

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Registration

Poster Session (lunch provided) / 41

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

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Poster Session (lunch provided) / 38

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

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FRI2 / 18

Searches for Supersymmetry with CMS and ATLAS Detectors at the LHC

Corresponding Author: altan.cakir@cern.ch

35 talk + 5 discussion

THU2 / 5

Standard Model Experimental Overview

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35 talk + 5 discussion

THU3 / 8

Standard Model Theory for the LHC

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40 talk + 5 discussion

FRI3 / 14

Status of Lattice Calculations

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20 talk + 5 discussion

FRI2 / 21

Status of SUSY

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20 talk + 5 discussion

Poster Session (lunch provided) / 46

Studies of correlations between measurements of jet observables

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Poster Session (lunch provided) / 32

The Grimus-Neufeld model with todays measurements

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Poster Session (lunch provided) / 33

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

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Poster Session (lunch provided) / 34

Three jet production with the CoLoRFulNNLO method

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Poster Session (lunch provided) / 44

Three jet rate in electron-positron annihilation

THU2 / 7

Top mass calibration for Monte Carlo generators

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20 talk + 5 discussion

THU2 / 6

Top quark physics at the LHC

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20 talk + 5 discussion