

IMPRS Young Scientist Workshop at Ringberg Castle

Report of Contributions

Contribution ID: 0

Type: **not specified**

Astrophysics at the TeV scale

Tuesday, 7 June 2016 20:00 (30 minutes)

Presenter: STRZYS, Marcel

Session Classification: COSMICS

Contribution ID: 1

Type: **not specified**

Cosmic-ray neutron and muon-induced background

Thursday, 9 June 2016 10:00 (30 minutes)

Presenter: VANHOEFER, Laura

Session Classification: COSMICS (cont.)

Contribution ID: 2

Type: **not specified**

The physics potential of CLIC

Monday, 6 June 2016 12:05 (25 minutes)

Presenter: SZALAY, Marco

Session Classification: FUTURE ACCELERATORS

Contribution ID: 4

Type: **not specified**

Transparency of the Universe to very high energy photons

Presenter: Dr KARTAVTSEV, Alexander

Contribution ID: 5

Type: **not specified**

My experiences at Carl Zeiss as an IMPRS alumni

Friday, 10 June 2016 11:00 (1 hour)

Presenter: Dr LENZ, Daniel (Carl Zeiss SMT GmbH)

Session Classification: JOB OPPORTUNITIES

Contribution ID: 9

Type: **not specified**

Small Neutrino Masses from Gravitational Theta-Term

Tuesday, 7 June 2016 11:20 (30 minutes)

Presenter: FUNCKE, Lena

Session Classification: THEORY

Contribution ID: **10**

Type: **not specified**

QCD flux tube model in light of the effective string theory

Wednesday, 8 June 2016 15:45 (30 minutes)

Presenter: HWANG, Sungmin

Session Classification: THEORY (cont.)

Contribution ID: **11**

Type: **not specified**

Non-local observables at finite temperature in AdS/CFT

Friday, 10 June 2016 09:15 (25 minutes)

Presenter: MIEKLEY, Nina

Session Classification: THEORY II

Contribution ID: 12

Type: **not specified**

Soft Hair and Black Holes

Friday, 10 June 2016 09:40 (25 minutes)

Presenter: BART, Henk

Session Classification: THEORY II

Contribution ID: 13

Type: **not specified**

Monsters in flatland

Friday, 10 June 2016 10:05 (25 minutes)

Presenter: KIDAMBI, Abhiram Mamandur

Session Classification: THEORY II

Contribution ID: **15**

Type: **not specified**

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- How to make the PPSM Colloquium more attractive?
- Improving the PPSM Colloquium Peer Evaluation Form
- Preparing for the SAB Meeting

Contribution ID: 17

Type: **not specified**

Introduction to String Theory

Tuesday, 7 June 2016 09:00 (30 minutes)

Presenter: HERSCHMANN, Daniela

Session Classification: STRING THEORY

Contribution ID: **18**

Type: **not specified**

Double Field Theory

Tuesday, 7 June 2016 09:30 (30 minutes)

Presenter: DU BOSQUE, Pascal

Session Classification: STRING THEORY

Contribution ID: **19**

Type: **not specified**

String Phenomenology and Cosmology

Tuesday, 7 June 2016 10:00 (30 minutes)

Presenter: WOLF, Florian

Session Classification: STRING THEORY

Contribution ID: **20**

Type: **not specified**

Linux Unchained

Wednesday, 8 June 2016 12:00 (30 minutes)

Presenter: PAPARA, Viktor

Session Classification: PRECISION PHENOMENOLOGY

Contribution ID: 21

Type: **not specified**

The W boson mass in Two Higgs doublet models

Wednesday, 8 June 2016 11:00 (30 minutes)

Presenter: HESSENBERGER, Stephan

Session Classification: PRECISION PHENOMENOLOGY

Contribution ID: 22

Type: **not specified**

Resummation of large logarithms in MSSM Higgs mass calculations

Wednesday, 8 June 2016 11:30 (30 minutes)

Presenter: BAHL, Henning

Session Classification: PRECISION PHENOMENOLOGY

Contribution ID: 23

Type: **not specified**

Scripting and distributed computation with Mathematica

Presenter: Dr HAHN, Thomas

Contribution ID: 24

Type: **not specified**

From Neutrino Astronomy to Dark Matter-Neutrino Interactions - Part 1

Monday, 6 June 2016 14:00 (25 minutes)

Presenter: VITAGLIANO, Edoardo

Session Classification: ASTROPARTICLE PHYSICS I

Contribution ID: 25

Type: **not specified**

From Neutrino Astronomy to Dark Matter-Neutrino Interactions - Part 2

Monday, 6 June 2016 14:25 (25 minutes)

Presenter: CHIANESE, Marco

Session Classification: ASTROPARTICLE PHYSICS I

Contribution ID: 26

Type: **not specified**

Self induced Neutrino flavor conversion in supernovae without flavor mixing

Monday, 6 June 2016 14:50 (25 minutes)

Presenter: IZAGUIRRE, Ignacio

Session Classification: ASTROPARTICLE PHYSICS I

Contribution ID: 27

Type: **not specified**

The CRESST experiment: Current status and future development

Presenter: WÜSTRICH, Marc

Contribution ID: 28

Type: **not specified**

Module Tests of the Belle II Pixel Vertex Detector

Thursday, 9 June 2016 14:50 (20 minutes)

Presenter: LEITL, Philipp

Session Classification: BELLE PHYSICS II

Contribution ID: 29

Type: **not specified**

Neural Networks in the Belle II Track Trigger

Thursday, 9 June 2016 14:00 (25 minutes)

Presenter: NEUHAUS, Sara

Session Classification: BELLE PHYSICS II

Contribution ID: **30**

Type: **not specified**

The Neuro-Z-Vertex Trigger of the Belle II Experiment

Thursday, 9 June 2016 14:25 (25 minutes)

Presenter: SKAMBRAKS, Sebastian

Session Classification: BELLE PHYSICS II

Contribution ID: **31**

Type: **not specified**

One-loop computations with FeynCalc

Presenter: SHTABOVENKO, Vladyslav

Contribution ID: 32

Type: **not specified**

Search for top-Squarks with the ATLAS detector

Thursday, 9 June 2016 09:35 (25 minutes)

Presenter: KÖHLER, Nicolas (Max-Planck-Institut für Physik (DE))

Session Classification: ATLAS Physics II

Contribution ID: 33

Type: **not specified**

Background studies in the SUSY 4 lepton channel at ATLAS

Presenter: MASCHEK, Stefan

Contribution ID: 34

Type: **not specified**

What are the properties of a 'good' search channel?

Wednesday, 8 June 2016 14:00 (30 minutes)

Presenter: ECKER, Katharina

Session Classification: ATLAS PHYSICS I

Contribution ID: 35

Type: **not specified**

Measurement of the H->ZZ coupling structure in the 4 Lepton channel with the ATLAS Detector

Wednesday, 8 June 2016 14:30 (20 minutes)

Presenter: WALBRECHT, Verena

Session Classification: ATLAS PHYSICS I

Contribution ID: 36

Type: **not specified**

Search of dark matter in the mono-Higgs Channel

Wednesday, 8 June 2016 14:50 (25 minutes)

Presenter: RÖHRIG, Rainer

Session Classification: ATLAS PHYSICS I

Contribution ID: **39**

Type: **not specified**

Welcome & Introduction Round

Monday, 6 June 2016 11:15 (25 minutes)

Contribution ID: 40

Type: **not specified**

Background Analysis for the CRESST Experiment

Presenter: BAUER, Philipp

Contribution ID: 42

Type: **not specified**

A new DAQ for CRESST III

Presenter: FERREIRO, Nahuel

Contribution ID: 43

Type: **not specified**

Phonon Focusing in Cryogenic Detectors

Presenter: ROTHE, Johannes

Contribution ID: 44

Type: **not specified**

Effective Action of F-Theory

Tuesday, 7 June 2016 11:00 (20 minutes)

Presenter: CORVILAIN, Pierre

Session Classification: STRING THEORY (cont.)

Contribution ID: 45

Type: **not specified**

Scintillator tiles with SiPM readout for calorimetry and fast timing in SuperKEKB comissioning

Thursday, 9 June 2016 15:10 (20 minutes)

Presenter: WINDEL, Hendrik

Session Classification: BELLE PHYSICS II

Contribution ID: 46

Type: **not specified**

Characterization of Pilot Run Modules for the Belle II Pixel Detector

Wednesday, 8 June 2016 09:40 (20 minutes)

Presenter: MÜLLER, Felix

Session Classification: BELLE PHYSICS I

Contribution ID: 47

Type: **not specified**

Sensitivity Study of $B \rightarrow \pi^0 \pi^0$ for the Belle II Experiment

Wednesday, 8 June 2016 09:10 (30 minutes)

Presenter: ABUDINEN, Fernando

Session Classification: BELLE PHYSICS I

Contribution ID: 48

Type: **not specified**

Higgs Effective Field Theories

Wednesday, 8 June 2016 16:15 (30 minutes)

Presenter: KRAUSE, Claudius

Session Classification: THEORY (cont.)

Contribution ID: 50

Type: **not specified**

Layered dielectric haloscopes: a new way to search for axion dark matter

Wednesday, 8 June 2016 10:00 (30 minutes)

Presenter: MILLAR, Alexander

Session Classification: AXION PHYSICS

Contribution ID: 51

Type: **not specified**

Search for displaced dileptons with the ATLAS experiment at the LHC

Thursday, 9 June 2016 09:10 (25 minutes)

Presenter: KRAUSS, Dominik

Session Classification: ATLAS Physics II

Contribution ID: 52

Type: **not specified**

Search for Supersymmetry with R-parity violation

Presenter: JUNGGEBURTH, Johannes

Contribution ID: 53

Type: **not specified**

Advisory Panel System

Wednesday, 8 June 2016 17:00 (1 hour)

Session Classification: IMPRS DISCUSSIONS

Contribution ID: 54

Type: **not specified**

AWAKE

Monday, 6 June 2016 11:40 (25 minutes)

Presenter: HÜTHER, Mathias

Session Classification: FUTURE ACCELERATORS

Contribution ID: 55

Type: **not specified**

How to make the PPSMC Colloquium more attractive?

Thursday, 9 June 2016 11:00 (30 minutes)

Session Classification: IMPRS DISCUSSIONS

Contribution ID: 56

Type: **not specified**

Improving the PPSM Colloquium Peer Evaluation Form

Thursday, 9 June 2016 11:30 (30 minutes)

Session Classification: IMPRS DISCUSSIONS

Contribution ID: 57

Type: **not specified**

Preparing for the SAB Meeting

Thursday, 9 June 2016 12:00 (30 minutes)

Session Classification: IMPRS DISCUSSIONS

Contribution ID: 58

Type: **not specified**

The CRESST experiment: Current status and future development

Monday, 6 June 2016 15:45 (30 minutes)

Presenter: WÜSTRICH, Marc

Session Classification: CRESST PHYSICS

Contribution ID: 59

Type: **not specified**

Understanding the new CRESST iStick Modules

Monday, 6 June 2016 16:15 (20 minutes)

Presenter: BAUER, Philipp

Session Classification: CRESST PHYSICS

Contribution ID: **60**

Type: **not specified**

A new DAQ for CRESST III

Monday, 6 June 2016 16:35 (20 minutes)

Presenter: FERREIRO, Nahuel

Session Classification: CRESST PHYSICS

Contribution ID: **61**

Type: **not specified**

Phonon Focusing in Cryogenic Detectors

Monday, 6 June 2016 16:55 (20 minutes)

Presenter: ROTHE, Johannes

Session Classification: CRESST PHYSICS

Contribution ID: **62**

Type: **not specified**

Closed Discussion on the Advisory Panel System

Tuesday, 7 June 2016 20:30 (30 minutes)

Session Classification: IMPRS DISCUSSIONS