

Young Scientist Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

DEPARTURE FROM MUNICH

Monday, 21 June 2021 08:30 (2 hours)

Contribution ID: 2

Type: **not specified**

CORONA TESTS & CHECKING OF TESTS

Monday, 21 June 2021 10:30 (30 minutes)

Contribution ID: 3

Type: **not specified**

WELCOME

Monday, 21 June 2021 12:00 (30 minutes)

Welcome to Ringberg Castle and the C19 imposed guidelines
Giulia ZANDERIGHI & Frank STEFFEN

Introduction Round

Presenters: Dr STEFFEN , Frank; Prof. ZANDERIGHI, Giulia

Contribution ID: 4

Type: **not specified**

Pulse simulation in germanium detectors

Monday, 21 June 2021 14:30 (30 minutes)

Presenter: HERVAS AQUILAR, David

Session Classification: GERMANIUM DETECTOR PHYSICS

Contribution ID: 5

Type: **not specified**

Voltage scans on germanium detectors

Monday, 21 June 2021 15:00 (30 minutes)

Presenter: HAGEMANN , Felix

Session Classification: GERMANIUM DETECTOR PHYSICS

Contribution ID: 6

Type: **not specified**

The future of neutrinoless double beta decay searches with germanium detectors

Monday, 21 June 2021 14:00 (30 minutes)

Presenter: EDZARDS, Frank

Session Classification: GERMANIUM DETECTOR PHYSICS

Contribution ID: 7

Type: **not specified**

Bimetric and strings

Monday, 21 June 2021 16:00 (30 minutes)

Presenter: MAZLOUMI, Pouria

Session Classification: STRING THEORY

Contribution ID: 8

Type: **not specified**

Geometric flow for the number of space-time dimensions

Monday, 21 June 2021 16:30 (30 minutes)

Presenter: DE BIASIO, Davide

Session Classification: STRING THEORY

Contribution ID: 9

Type: **not specified**

TOUR OF CASTLE RINGBERG

Monday, 21 June 2021 17:15 (45 minutes)

Presenter: ESSL, Jochen

Contribution ID: 10

Type: **not specified**

Astrophysical aspects of detecting axions with haloscopes

Tuesday, 22 June 2021 09:30 (30 minutes)

Presenter: DIEHL, Johannes

Session Classification: DIRECT DM DETECTION - THEORY

Contribution ID: 11

Type: **not specified**

Direct detection of light dark matter

Tuesday, 22 June 2021 09:00 (30 minutes)

Presenter: HERRERA MORENO , Gonzalo

Session Classification: DIRECT DM DETECTION - THEORY

Contribution ID: 12

Type: **not specified**

Impact of operator interference in dark matter direct detection

Tuesday, 22 June 2021 10:00 (30 minutes)

Presenter: BRENNER, Anja

Session Classification: DIRECT DM DETECTION - THEORY

Contribution ID: 13

Type: **not specified**

Recent progress in high energy neutrino astronomy

Tuesday, 22 June 2021 11:00 (1h 30m)

Presenter: RESCONI, Elisa

Session Classification: LECTURE

Contribution ID: 14

Type: **not specified**

Self-monitoring calibration light source for large volume neutrino telescopes

Tuesday, 22 June 2021 14:00 (30 minutes)

Presenter: HENNINGSEN, Felix

Session Classification: NEUTRINO PHYSICS

Contribution ID: 15

Type: **not specified**

Search for transient neutrino sources

Tuesday, 22 June 2021 14:30 (30 minutes)

Presenter: KARL, Martina

Session Classification: NEUTRINO PHYSICS

Contribution ID: 16

Type: **not specified**

Neutrino fast flavour oscillations in supernovae

Tuesday, 22 June 2021 15:00 (30 minutes)

Presenter: EHRING , Jakob

Session Classification: NEUTRINO PHYSICS

Contribution ID: 17

Type: **not specified**

Ricci-flowing an extremal black hole through the swampland

Tuesday, 22 June 2021 16:00 (30 minutes)

Presenter: FREIGANG, Julian

Session Classification: STRING THEORY

Contribution ID: 18

Type: **not specified**

Almost topological gravity and the swampland

Tuesday, 22 June 2021 16:30 (30 minutes)

Presenter: MAKRIDOU, Andriana

Session Classification: STRING THEORY

Contribution ID: 19

Type: **not specified**

IMPRS DISCUSSIONS

Tuesday, 22 June 2021 17:00 (1 hour)

Presenter: HAGEMANN , Felix

Contribution ID: 20

Type: **not specified**

Motion of a constituent in a superfluid

Wednesday, 23 June 2021 09:00 (30 minutes)

Presenter: CINTIA, Giordano

Session Classification: DM & ITS DETECTION

Contribution ID: 21

Type: **not specified**

Dark matter searches with diamond detectors

Wednesday, 23 June 2021 09:30 (30 minutes)

Presenter: BERTOLINI, Anna

Session Classification: DM & ITS DETECTION

Contribution ID: 22

Type: **not specified**

A new sensor design for the CRESST experiment

Wednesday, 23 June 2021 10:00 (30 minutes)

Presenter: PUCCI, Francesca

Session Classification: DM & ITS DETECTION

Contribution ID: 23

Type: **not specified**

Hot topics in physics beyond the Standard Model

Wednesday, 23 June 2021 11:00 (1h 30m)

Presenter: WEILER, Andreas

Session Classification: LECTURE

Contribution ID: 24

Type: **not specified**

The use of Corryvreckan framework for the ATLAS ITk pixel test-beam data reconstruction and analysis

Wednesday, 23 June 2021 14:00 (30 minutes)

Presenter: HADZIC, Selja

Session Classification: COLLIDER PHYSICS

Contribution ID: 25

Type: **not specified**

Matching NNLO to parton shower

Wednesday, 23 June 2021 14:30 (30 minutes)

Presenter: ZANOLI, Silvia

Session Classification: COLLIDER PHYSICS

Contribution ID: 26

Type: **not specified**

High-precision phenomenology for dibon processes

Wednesday, 23 June 2021 15:00 (30 minutes)

Presenter: LOMBARDI, Daniele

Session Classification: COLLIDER PHYSICS

Contribution ID: 27

Type: **not specified**

Probing BSM at low energies: an EFT perspective on fundamental symmetries

Wednesday, 23 June 2021 16:00 (30 minutes)

Presenter: HALA, Amando

Session Classification: BSM PHYSICS & COSMOLOGY

Contribution ID: 28

Type: **not specified**

Searching for pseudo Nambu-Goldstone boson dark matter production in association with top quarks

Wednesday, 23 June 2021 16:30 (30 minutes)

Presenter: SCHULTE, Stefan

Session Classification: BSM PHYSICS & COSMOLOGY

Contribution ID: 29

Type: **not specified**

IMPRS DISCUSSIONS (cont.)

Wednesday, 23 June 2021 17:30 (15 minutes)

Presenter: HAGEMANN, Felix

Contribution ID: 30

Type: **not specified**

On the MPP Sustainability Group

Wednesday, 23 June 2021 17:45 (15 minutes)

Presenter: EHRING , Jakob

Contribution ID: 31

Type: **not specified**

The Gravitino and the Swampland

Thursday, 24 June 2021 09:00 (1 hour)

Presenter: LÜST, Dieter

Session Classification: LECTURE

Contribution ID: 32

Type: **not specified**

SOCIAL ACTIVITIES

Thursday, 24 June 2021 10:30 (8 hours)

Contribution ID: 33

Type: **not specified**

Direct Dark Matter Searches using novel NaI detectors as Cryogenic Calorimeters

Friday, 25 June 2021 09:15 (30 minutes)

Presenter: BHARADWAJ , Mukund R

Session Classification: COSINUS

Contribution ID: 34

Type: **not specified**

The Construction of a new Dark Matter Experiment

Friday, 25 June 2021 09:45 (30 minutes)

Presenter: KELLERMANN, Moritz

Session Classification: COSINUS

Contribution ID: 35

Type: **not specified**

The Crab Nebula - The brightest source on the gamma-ray sky

Presenter: VAN SCHERPENBERG, Juliane

Session Classification: SESSION

Contribution ID: **36**

Type: **not specified**

GROUP PICTURE TAKING

Friday, 25 June 2021 10:15 (15 minutes)

Contribution ID: 37

Type: **not specified**

Study of neutrino masses

Friday, 25 June 2021 11:00 (30 minutes)

Presenter: ETTENGRUBER, Manuel

Session Classification: NEUTRINO PHYSICS

Contribution ID: 38

Type: **not specified**

First direct neutrino-mass measurement with sub-eV sensitivity with the KATRIN experiment

Friday, 25 June 2021 11:30 (30 minutes)

Presenter: SCHLÜTER, Lisa

Session Classification: NEUTRINO PHYSICS

Contribution ID: 39

Type: **not specified**

How to build a detector for keV sterile neutrino search

Friday, 25 June 2021 12:00 (30 minutes)

Presenter: SIEGMANN, Daniel

Session Classification: NEUTRINO PHYSICS

Contribution ID: 40

Type: **not specified**

Early Universe Resonances

Wednesday, 23 June 2021 17:00 (30 minutes)

Presenter: ALEXANDRE, Ana

Session Classification: BSM PHYSICS & COSMOLOGY