

IMPRS Young Scientist Workshop at Ringberg Castle

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Wednesday, 22 November 2023 16:00 (10 minutes)

Welcome and introduction to Ringberg Castle and on possible C19 precaution measures

Presenters: STEFFEN, Frank; ZANDERIGHI, Giulia

Contribution ID: 9

Type: **not specified**

Phenomenological implications of neutrinos and axions in many species theories

Thursday, 23 November 2023 14:00 (20 minutes)

Presenter: ETTENGRUBER, Manuel

Session Classification: Astroparticle Theory

Contribution ID: **10**

Type: **not specified**

A leptonic ALP

Thursday, 23 November 2023 14:20 (20 minutes)

Presenter: WEISS, Joachim

Session Classification: Astroparticle Theory

Contribution ID: 11

Type: **not specified**

Using Stellar Remnants as a Probe of Axions and Other New Light Scalars

Thursday, 23 November 2023 14:40 (20 minutes)

Presenter: BARTNICK, Kai

Session Classification: Astroparticle Theory

Contribution ID: **12**

Type: **not specified**

MADMAX analysis

Thursday, 23 November 2023 16:10 (20 minutes)

Presenter: DIEHL, Johannes

Session Classification: Experiments

Contribution ID: **20**

Type: **not specified**

GUIDED TOUR - CASTLE RINGBERG

Wednesday, 22 November 2023 17:30 (1 hour)

Presenter: ESSL, Jochen

Contribution ID: 39

Type: **not specified**

Departure from Munich/Garching towards Ringberg Castle

Wednesday, 22 November 2023 13:00 (2 hours)

Contribution ID: 40

Type: **not specified**

Check-in at Castle Ringberg & Welcome Coffee/Tea in the Garden Room

Wednesday, 22 November 2023 15:00 (1 hour)

Contribution ID: 41

Type: **not specified**

How to hunt for PeVatrons with the MAGIC Telescopes

Wednesday, 22 November 2023 16:10 (20 minutes)

Presenter: VAN SCHERPENBERG, Juliane

Session Classification: Cosmic ray physics

Contribution ID: 42

Type: **not specified**

How to find correlations in Blazer emission

Wednesday, 22 November 2023 16:30 (20 minutes)

Presenter: SCHMUCKERMAIER, Felix

Session Classification: Cosmic ray physics

Contribution ID: 43

Type: **not specified**

Cosmic cartography with UHECRs: Source constraints from individual events at the highest energies

Wednesday, 22 November 2023 16:50 (20 minutes)

Presenter: BOURRICHE, Nadine

Session Classification: Cosmic ray physics

Contribution ID: 44

Type: **not specified**

Detection prospects of NGC 1068-like neutrino sources

Wednesday, 22 November 2023 17:10 (20 minutes)

Presenter: SAURENHAUS, Lena

Session Classification: Cosmic ray physics

Contribution ID: 45

Type: **not specified**

How do we compute Feynman integrals?

Thursday, 23 November 2023 09:00 (20 minutes)

Presenter: MATIJASIC, Antonela

Session Classification: Particle theory

Contribution ID: 46

Type: **not specified**

Conserved currents as a tool to study infrared divergences

Thursday, 23 November 2023 09:20 (20 minutes)

Presenter: STADLBAUER, Michael

Session Classification: Particle theory

Contribution ID: 47

Type: **not specified**

A look inside the proton

Thursday, 23 November 2023 09:40 (20 minutes)

Presenter: BIELLO, Christian

Session Classification: Particle theory

Contribution ID: 48

Type: **not specified**

QCD and HQET Light-cone Distribution Amplitudes

Thursday, 23 November 2023 10:00 (20 minutes)

Presenter: FINAURI, Gael

Session Classification: Particle theory

Contribution ID: 49

Type: **not specified**

Lecture: Reasons to dump your particle beam

Thursday, 23 November 2023 11:30 (35 minutes)

Presenter: Dr DÖBRICH, Babette

Session Classification: Experimental Particle Physics

Contribution ID: 51

Type: **not specified**

Good Scientific Practise

Wednesday, 22 November 2023 20:00 (30 minutes)

Presenter: Dr MAJOROVITS, Bela

Session Classification: Scientific Life

Contribution ID: 52

Type: **not specified**

Neutrino fast flavor conversions in core-collapse supernovae

Thursday, 23 November 2023 15:00 (20 minutes)

Presenter: EHRING, Jakob

Session Classification: Astroparticle Theory

Contribution ID: 53

Type: **not specified**

An example for a successful career in science

Thursday, 23 November 2023 12:05 (25 minutes)

Presenter: Dr DÖBRICH, Babette

Session Classification: Scientific Life

Contribution ID: 54

Type: **not specified**

Emerging from the swamp

Thursday, 23 November 2023 16:30 (20 minutes)

Presenter: PARASKEVOPOULOU, Antonia

Session Classification: Particle theory

Contribution ID: 55

Type: **not specified**

Noninvertible symmetries and axions from five dimensions

Thursday, 23 November 2023 16:50 (20 minutes)

Presenter: NOVICIC, Dusan

Session Classification: Particle theory

Contribution ID: 56

Type: **not specified**

Small black holes, light species, and the emergent string conjecture?

Thursday, 23 November 2023 17:10 (20 minutes)

Presenter: MONTELLA, Carmine

Session Classification: Particle theory

Contribution ID: 58

Type: **not specified**

Should you trust an experimental (particle) physicist?

Thursday, 23 November 2023 15:50 (20 minutes)

Presenter: TITTEL, Oscar

Session Classification: Experiments

Contribution ID: 59

Type: **not specified**

Measurement of cross sections of the process $pp \rightarrow WbWb$ with the ATLAS experiment

Friday, 24 November 2023 09:10 (20 minutes)

Presenter: HESSLER, Johannes

Session Classification: Collider Experiments

Contribution ID: **61**

Type: **not specified**

Exploring new ML possibilities in particle physics with the ATLAS detector

Friday, 24 November 2023 09:30 (20 minutes)

Presenter: VIGL, Mathias

Session Classification: Collider Experiments

Contribution ID: 62

Type: **not specified**

What can we still learn from studying the Higgs boson with the ATLAS detector?

Friday, 24 November 2023 09:50 (20 minutes)

Presenter: REED, Alice

Session Classification: Collider Experiments

Contribution ID: 63

Type: **not specified**

Can instantons in the early Universe justify bouncing cosmologies?

Friday, 24 November 2023 11:00 (20 minutes)

Presenter: CAROSI, Matthias

Session Classification: Astroparticle Theory

Contribution ID: 64

Type: **not specified**

Revisiting the neutrino mass bound from leptogenesis

Friday, 24 November 2023 11:20 (20 minutes)

Presenter: WANG, Edward

Session Classification: Astroparticle Theory

Contribution ID: 67

Type: **not specified**

Dark Matter Searches with the CRESST experiment

Friday, 24 November 2023 15:00 (20 minutes)

Presenter: BERTOLINI, Anna

Session Classification: Experiments

Contribution ID: **68**

Type: **not specified**

Dark Matter Direct Detection with the CRESST Experiment

Friday, 24 November 2023 15:20 (20 minutes)

Presenter: PUCCI, Francesca

Session Classification: Experiments

Contribution ID: 69

Type: **not specified**

Illuminating the invisible: deep underground dark matter search with COSINUS using NaI cryogenic calorimeters

Friday, 24 November 2023 14:20 (20 minutes)

Presenter: RAGHUNATH, Mukund

Session Classification: Experiments

Contribution ID: 70

Type: **not specified**

COSINUS: Dark Matter Search with NaI Calorimeters

Friday, 24 November 2023 14:40 (20 minutes)

Presenter: SHERA, Kumrie

Session Classification: Experiments

Contribution ID: 71

Type: **not specified**

Fifth forces from Softly Gauged Symmetries

Friday, 24 November 2023 16:10 (20 minutes)

Presenter: ALEXANDRE, Ana

Session Classification: Particle theory

Contribution ID: 72

Type: **not specified**

Astrophysical Phenomenology of Light and GUT-massive Colored Higgs Triplet

Friday, 24 November 2023 12:00 (20 minutes)

Presenter: JANKOWSKY, Anna

Session Classification: Astroparticle Theory

Contribution ID: 73

Type: **not specified**

Quasi-bound states and Sommerfeld enhancement

Friday, 24 November 2023 11:40 (20 minutes)

Presenter: DE ROS, Lorenzo

Session Classification: Astroparticle Theory

Contribution ID: 74

Type: **not specified**

Large Extra Dimensions

Friday, 24 November 2023 16:50 (20 minutes)

Presenter: STUHLFAUTH, Anja

Session Classification: Particle theory

Contribution ID: 75

Type: **not specified**

Generalised Symmetries

Thursday, 23 November 2023 10:20 (20 minutes)

Presenter: HASLEHNER, Dominik

Session Classification: Particle theory

Contribution ID: 77

Type: **not specified**

The Memory Burden Effect

Friday, 24 November 2023 16:30 (20 minutes)

Presenter: KOMISEL, Lucy

Session Classification: Particle theory

Contribution ID: 79

Type: **not specified**

How to communicate your scientific adventures to the general public?

Wednesday, 22 November 2023 19:30 (30 minutes)

Presenter: WANKERL, Barbara

Session Classification: Scientific Life

Contribution ID: **81**

Type: **not specified**

From physics to IT consulting: A personal narrative

Friday, 24 November 2023 17:10 (45 minutes)

Presenter: Dr HALA, Amando (Senior Consultant at Senacor Technologies AG)

Session Classification: IMPRS Alumni

Contribution ID: 82

Type: **not specified**

Enhanced galactic center gamma-rays from dark matter annihilation

Thursday, 23 November 2023 11:10 (20 minutes)

Presenter: BETANCOURT KAMENETSKAIA, Boris

Session Classification: Cosmic ray physics

Contribution ID: 83

Type: **not specified**

Searches for charged Higgs Bosons with the ATLAS detector at the LHC

Friday, 24 November 2023 10:10 (20 minutes)

Presenter: GREWE, Simon

Session Classification: Collider Experiments

Contribution ID: **84**

Type: **not specified**

Phonons in Cryogenic Detectors

Friday, 24 November 2023 14:00 (20 minutes)

Presenter: KELLERMANN, Moritz

Session Classification: Experiments

Contribution ID: **85**

Type: **not specified**

Group picture

Thursday, 23 November 2023 13:50 (10 minutes)