

## **Session Program**

**Mar 14 - 16, 2022**



## **9th KSETA Plenary Workshop 2022**

### **PhD session**

Dorint Hotel Durbach  
Almstraße 49 77770 Durbach

# Mon, March 14

11:30 AM

## PhD session: PhD session

**Session** | **Location:** Dorint Hotel Durbach, Almstraße 49 77770 Durbach

11:30 – 12:00

### Mixed dimension-8 operators for VBS from a UV complete theory

**Speaker**

Heiko Schäfer-Siebert

12:00 – 12:30

### Functional Tests of Silicon Strip Sensor Modules for the CMS Experiment

**Speaker**

Roland Koppenhöfer

12:30 PM

3:00 PM

## PhD session

**Session** | **Location:** Dorint Hotel Durbach, Almstraße 49 77770 Durbach

15:00 – 15:30

### Tau Embedding at CMS

**Speaker**

Sebastian Brommer

15:30 – 16:00

### Towards a combined estimation of the cosmic-ray mass composition and hadronic interaction cross sections at ultrahigh energies

**Speaker**

Olena Tkachenko

4:00 PM

## Tue, March 15

10:00 AM

### PhD session

**Session** | **Location:** Dorint Hotel Durbach, Almstraße 49 77770 Durbach

10:00 – 10:30

#### **A self-consistent wave description of axion minicluster and their survival in the galaxy**

**Speaker**

Virgile Dandoy

10:30 – 11:00

#### **Background investigations at the KATRIN experiment using a transverse energy filter**

**Speaker**

Dominic Hinz

11:00 AM

## Wed, March 16

9:00 AM

### PhD session

**Session** | **Location:** Dorint Hotel Durbach, Almstraße 49 77770 Durbach

09:00 – 09:30

#### Cosmic-Ray Composition analysis at IceCube Observatory

##### Speaker

Paras Koundal

09:30 – 10:00

#### Towards the first measurement of the dynamic viscosity of gaseous tritium at cryogenic temperatures

##### Speaker

Johanna Wydra

10:00 AM

11:30 AM

### PhD session

**Session** | **Location:** Dorint Hotel Durbach, Almstraße 49 77770 Durbach

11:30 – 12:00

#### Fully differential colour singlet production at N3LO

##### Speaker

Daniel Baranowski

12:00 – 12:30

#### A Search for anomalous couplings in the hadronic decay channel of Vector Boson Scattering at the CMS experiment

##### Speaker

Max Neukum

12:30 PM

3:00 PM

### PhD session

**Session** | **Location:** Dorint Hotel Durbach, Almstraße 49 77770 Durbach

15:00 – 15:30

#### A Novel Implementation of the Goertzel Filter Bank for Multitonal Signals Channelization in Experimental Physics

##### Speaker

Luciano Ferreyro

15:30 – 16:00

#### Development of a new generation of silicon detectors for particle physics experiment

##### Speaker

Ekaterina Trifonova

4:00 PM