



# 9th KSETA Plenary Workshop 2022

## Monday, March 14, 2022

### PhD session (11:30 AM - 12:30 PM)

time	[id] title	presenter
11:30 AM	[12] Mixed dimension-8 operators for VBS from a UV complete theory	SCHÄFER-SIEBERT, Heiko
12:00 PM	[13] Functional Tests of Silicon Strip Sensor Modules for the CMS Experiment	KOPPENHÖFER, Roland

### PhD session (3:00 PM - 4:00 PM)

time	[id] title	presenter
3:00 PM	[14] Tau Embedding at CMS	BROMMER, Sebastian
3:30 PM	[15] Towards a combined estimation of the cosmic-ray mass composition and hadronic interaction cross sections at ultrahigh energies	TKACHENKO, Olena

# Tuesday, March 15, 2022

## PhD session (10:00 AM - 11:00 AM)

time	[id] title	presenter
10:00 AM	[16] A self-consistent wave description of axion minicluster and their survival in the galaxy	DANDOY, Virgile
10:30 AM	[17] Background investigations at the KATRIN experiment using a transverse energy filter	HINZ, Dominic

# Wednesday, March 16, 2022

## **PhD session (9:00 AM - 10:00 AM)**

time	[id] title	presenter
9:00 AM	[18] Cosmic-Ray Composition analysis at IceCube Observatory	KOUNDAL, Paras
9:30 AM	[19] Towards the first measurement of the dynamic viscosity of gaseous tritium at cryogenic temperatures	WYDRA, Johanna

## **PhD session (11:30 AM - 12:30 PM)**

time	[id] title	presenter
11:30 AM	[20] Fully differential colour singlet production at N3LO	BARANOWSKI, Daniel
12:00 PM	[21] A Search for anomalous couplings in the hadronic decay channel of Vector Boson Scattering at the CMS experiment	NEUKUM, Max

## **PhD session (3:00 PM - 4:00 PM)**

time	[id] title	presenter
3:00 PM	[22] A Novel Implementation of the Goertzel Filter Bank for Multitonal Signals Channelization in Experimental Physics	FERREYRO, Luciano
3:30 PM	[23] Development of a new generation of silicon detectors for particle physics experiment	TRIFONOVA, Ekaterina