

MU days 2021

Report of Contributions

Contribution ID: 1

Type: **not specified**

Fundamental Particles and Forces

Wednesday, November 24, 2021 9:15 AM (20 minutes)

Presenter: WEIGLEIN, Georg

Session Classification: Overview

Contribution ID: 2

Type: **not specified**

Cosmic Matter in the Laboratory

Wednesday, November 24, 2021 9:35 AM (20 minutes)

Presenters: MAAS, Frank (Helmholtz-Institut Mainz); MAAS, Frank (Helmholtz-Institut Mainz)

Session Classification: Overview

Contribution ID: 3

Type: **not specified**

Matter and Radiation from the Universe

Wednesday, November 24, 2021 9:55 AM (20 minutes)

Presenter: STEGMANN, Christian (DESY)

Session Classification: Overview

Contribution ID: 4

Type: **not specified**

GridKa

Thursday, November 25, 2021 9:25 AM (15 minutes)

Presenter: STREIT, Achim (KIT-SCC)

Session Classification: Overview

Contribution ID: 5

Type: **not specified**

Green IT Cube + GSI MU Facilities

Thursday, November 25, 2021 9:40 AM (15 minutes)

Presenter: LEIFELS, Yvonne

Session Classification: Overview

Contribution ID: 6

Type: **not specified**

Fundamental Particles and Forces

Session Classification: Outlook

Contribution ID: 7

Type: **not specified**

Cosmic Matter in the Laboratory

Session Classification: Outlook

Contribution ID: 8

Type: **not specified**

Matter and Radiation from the Universe

Session Classification: Outlook

Contribution ID: 9

Type: **not specified**

Computing

Session Classification: Outlook

Contribution ID: **10**

Type: **not specified**

Welcome

Wednesday, November 24, 2021 9:00 AM (15 minutes)

Presenters: HEINEMANN, Beate; ENGEL, Ralph (KIT)

Session Classification: Intro

Contribution ID: **11**

Type: **not specified**

Dark matter

Wednesday, November 24, 2021 10:15 AM (45 minutes)

Presenter: COVI, Laura

Session Classification: Topical talk

Contribution ID: 12

Type: **not specified**

Outlook: Fundamental Particles and Forces

Thursday, November 25, 2021 11:30 AM (15 minutes)

Presenter: PANI, Priscilla

Session Classification: Outlook

Contribution ID: 13

Type: **not specified**

Outlook: Cosmic Matter in the Laboratory

Thursday, November 25, 2021 11:45 AM (15 minutes)

Presenter: GALATYUK, Tetyana

Session Classification: Outlook

Contribution ID: 14

Type: **not specified**

Outlook: Matter and Radiation from the Universe

Thursday, November 25, 2021 12:00 PM (15 minutes)

Presenter: VALERIUS, Kathrin (Karlsruhe Institute of Technology)

Session Classification: Outlook

Contribution ID: 15

Type: **not specified**

Outlook: GridKa

Thursday, November 25, 2021 12:15 PM (15 minutes)

Presenter: PETZOLD, Andreas (KIT)

Session Classification: Outlook

Contribution ID: 16

Type: **not specified**

Gravitational Waves and Einstein Telescope

Thursday, November 25, 2021 9:00 AM (25 minutes)

Presenter: NISSANKE, Samaya

Session Classification: Outlook

Contribution ID: 17

Type: **not specified**

Dynamic Compute Resource Integration

Thursday, November 25, 2021 10:51 AM (7 minutes)

Presenter: FISCHER, Max (Karlsruhe Institute of Technology)

Session Classification: Flashtalks

Contribution ID: **18**

Type: **not specified**

Tape Storage

Thursday, November 25, 2021 10:16 AM (7 minutes)

Presenter: Dr GOTTMANN, Artur (KIT/SCC)

Session Classification: Flashtalks

Contribution ID: **19**

Type: **not specified**

Results from the Pierre Auger Observatory

Wednesday, November 24, 2021 11:30 AM (7 minutes)

Presenter: SCHMIDT, David (Karlsruhe Institute of Technology)

Session Classification: Flashtalks

Contribution ID: 20

Type: **not specified**

Results from KATRIN - Neutrino Mass and BSM Physics Searches

Wednesday, November 24, 2021 11:58 AM (7 minutes)

Presenter: KÖLLENBERGER, Leonard (IKP, KIT)

Session Classification: Flashtalks

Contribution ID: 21

Type: **not specified**

Sterile Neutrinos - Phenomenology and Global Analysis

Wednesday, November 24, 2021 12:19 PM (7 minutes)

Presenter: ZHOU, Albert (IAP, KIT)

Session Classification: Flashtalks

Contribution ID: 22

Type: **not specified**

IceCube Surface Array Enhancements

Thursday, November 25, 2021 10:02 AM (7 minutes)

Presenter: TURCOTTE, Roxanne (KIT)

Session Classification: Flashtalks

Contribution ID: 23

Type: **not specified**

Tidal Disruption Events

Thursday, November 25, 2021 10:30 AM (7 minutes)

Presenter: REUSCH, Simeon

Session Classification: Flashtalks

Contribution ID: 24

Type: **not specified**

High-Energy Astroparticle Theory

Session Classification: Flashtalks

Contribution ID: 25

Type: **not specified**

How much gold is created during the collision of two neutron stars?

Wednesday, November 24, 2021 11:44 AM (7 minutes)

Presenter: JUST, Oliver

Session Classification: Flashtalks

Contribution ID: 26

Type: **not specified**

Towards Scattering Amplitudes and Cross Sections from Quantum Chromodynamics

Wednesday, November 24, 2021 12:12 PM (7 minutes)

Presenter: MOHLER, D.

Session Classification: Flashtalks

Contribution ID: 27

Type: **not specified**

Exploring QCD matter at high density with HADES

Wednesday, November 24, 2021 12:33 PM (7 minutes)

Presenter: SPIES, Simon

Session Classification: Flashtalks

Contribution ID: 28

Type: **not specified**

Novel methods for lifetime measurements in atomic nuclei

Thursday, November 25, 2021 9:55 AM (7 minutes)

Presenter: WIMMER, K.

Session Classification: Flashtalks

Contribution ID: 29

Type: **not specified**

FAIR Phase-0 PANDA: Messung der Pion-Übergangsformfaktoren in der virtuellen Primakoff-Kinematik

Thursday, November 25, 2021 10:23 AM (7 minutes)

Presenter: WOLFF, Sahra

Session Classification: Flashtalks

Contribution ID: 30

Type: **not specified**

PANDA@HADES

Thursday, November 25, 2021 10:44 AM (7 minutes)

Presenter: WALEED ESMAIL

Session Classification: Flashtalks

Contribution ID: 31

Type: **not specified**

High-precision predictions for LHC physics

Wednesday, November 24, 2021 12:05 PM (7 minutes)

Presenter: CHEN, xuan (Karlsruhe Institute of Technology (KIT))

Session Classification: Flashtalks

Contribution ID: 32

Type: **not specified**

Interplay between collider physics and the thermal evolution of the universe

Wednesday, November 24, 2021 12:26 PM (7 minutes)

Presenter: OLEA ROMACHO, María Olalla (DESY)

Session Classification: Flashtalks

Contribution ID: 33

Type: **not specified**

Physics at Belle II

Thursday, November 25, 2021 10:09 AM (7 minutes)

Presenter: MARTINI, Alberto

Session Classification: Flashtalks

Contribution ID: 34

Type: **not specified**

The Top, the Dark and the Wiggly - A Pas de Deux in Searches for New Phenomena on Searches for Dark Matter, Heavy Higgs bosons and EFT couplings with top quarks

Wednesday, November 24, 2021 11:37 AM (7 minutes)

Presenter: ANUAR, Afq

Session Classification: Flashtalks

Contribution ID: 35

Type: **not specified**

A 70W continuous-wave highly stable laser system for the ALPS II experiment

Thursday, November 25, 2021 10:37 AM (7 minutes)

Presenter: KARAN, Kanioar

Session Classification: Flashtalks

Contribution ID: 36

Type: **not specified**

Borexino unravels the Sun and Earth with neutrinos

Wednesday, November 24, 2021 12:40 PM (7 minutes)

Presenter: KUMARAN, Sindhujha

Session Classification: Flashtalks