

## Session Program

8-12 mars 2021



# IWAPP - Innovative Workflows in Astro- & Particle Physics

## *Workflows*

Online

<https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>

## mar. 9 mars

09:30

**Workflows: Specific approaches**

Session | Site: Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09> | Convener: Cristiano Bozza

**09:30 - 10:00 MEGAVIS - Real-time spectra analysis and visualization with autoencoders****Orateur**

Dr Antonio D'Isanto

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**10:00 - 10:30 APEIRON****Orateurs**

Luca Pontisso, Matteo Turisini

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**10:30 - 11:00 Real-time analysis in high energy physics and beyond****Orateur**

Caterina Doglioni

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**11:00 - 11:15 Coffee break****11:15 - 11:45 Some benefits of using normalizing flows for PDF modelling****Orateur**

Thorsten Glüßenkamp

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**11:45 - 12:45 A machine learning workflow for reproducible data science****Orateur**

Luca Antiga

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>

12:45

## mer. 10 mars

09:30

**Workflows: Solutions in Research Infrastructures**

**Session** | **Site:** Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09> | **Convener:** Thomas Eberl

**09:30 – 10:00 Machine Learning Algorithms in LIGO-Virgo****Orateur**

Maxime Fays

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**10:00 – 10:20 Anomaly Detection in Gravitational Waves data using Convolutional AutoEncoders****Orateur**

Filip Morawski

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**10:20 – 10:50 Science data challenges for the SKA****Orateur**

Alex Clarke

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**10:50 – 11:10 Coffee break****11:10 – 11:40 Machine Learning Workflows in KM3NeT****Orateur**

Stefan Reck

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**11:40 – 12:10 Incorporating deep learning into the analysis of the Cherenkov Telescope Array****Orateur**

Tjark Miener

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>**12:10 – 12:30 GNA: data flow approach for the neutrino oscillation experiments****Orateurs**

Maxim Gonchar, Maxim Gonchar

**Site**Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>

12:30

14:00

**Workflows: Open interactive session**

**Session** | **Site:** Online, <https://fau.zoom.us/j/92555464859?pwd=RHIHUERjeVRRMWJHVnJoSk1BZ0VHUT09>

**14:00 – 16:00 The OSSR**

**Orateur**  
Jutta Schnabel

14:00 – 16:00 **ALFA / FairRoot Framework**

**Orateur**  
Dmytro Kresan

16:00