

Session Program

May 5 - 9, 2024

Spoke 3 General Meeting

WP3

Tue, May 7

9:00 AM

WP3: Session 1

Session | **Location:** La Biodola - 57037 Portoferraio- Isola d'Elba (Li) | **Convener:** Matteo Viel

09:00 - 09:15 **WP3 Status Report**

Speaker

Fabio Roberto Vitello

09:15 - 09:30 **Self-supervision on radio data for source analysis**

Speaker

Thomas Ceconello

09:30 - 09:45

Machine Learning/Deep Learning algorithms for Gaia mission data analysis

Speaker

Dr Lorenzo Monti

09:45 - 10:00

Radio U-Net: the convolutional neural network for diffuse radio sources detection

Speaker

Chiara Stuardi

10:00 - 10:15

Enhanced LSS cosmological simulations with ML techniques

Speaker

Lorenzo Piga

10:15 - 10:30

Symmetric solutions for the N-body problem: a computational approach

Speaker

Irene De Blasi

10:30 AM

2:30 PM

WP3: Session 3

Session | **Location:** La Biodola - 57037 Portoferraio- Isola d'Elba (Li) | **Convener:** Milena Valentini

14:30 - 14:45 **Machine Learning Techniques for Space Calorimeter Experiments**

Speaker

Maria Bossa

14:45 - 15:00 **Allucinating molecular cloud emission with Neural nets**

Speaker

Giuseppe Puglisi

15:00 - 15:15

Chemical tagging of field RR Lyrae to constrain the early formation and

Speaker

Karina Baeza Villagra

15:15 - 15:30

Optimal compression and Simulation-Based Inference of the cosmic 21-cm signal

Speaker

Andrei Mesinger

15:30 - 15:45

Anomaly Detection in Time Series from the Fermi Anti-Coincidence Detector with Machine Learning Techniques

Speaker

Mr Andrea Adelfio

15:45 - 16:00

Speeding up the Bayesian Inference Pipeline for the detection of nanoHertz GWs

Speaker

Eleonora Villa

4:00 PM