

## **Session Program**

**Nov 21 - 24, 2022**



## **Third ML-INFN Hackathon: Advanced Level**

### ***Advanced Machine Learning Lectures***

Sala Multimediale  
INFN Sezione di Bari Via Giovanni Amendola, 173, 70126 Bari BA

# Tue, November 22

9:00 AM

## Advanced Machine Learning Lectures

**Session** | **Location:** Sala Multimediale, INFN Sezione di Bari Via Giovanni Amendola, 173, 70126 Bari BA

9:00 - 9:25 AM **Systems of Neural Networks in HEP**

**Speaker**

Piergiulio Lenzi

9:30 - 9:55 AM **Domain adaptation**

**Speakers**

Lorenzo Viliani, Piergiulio Lenzi

10:00 - 10:25 AM **Autoencoders and U-Nets**

**Speaker**

Francesca Lizzi

10:30 - 10:55 AM **Coffee**

11:00 - 11:25 AM **Tensorflow and what's behind a Keras layer**

**Speaker**

Angela Taliercio

11:30 - 11:55 AM **Introduction to PyTorch**

**Speaker**

Stefano Giagu

12:00 - 12:55 PM **Introduction to generative models**

**Speakers**

Francesco Vaselli, Matteo Barbetti

1:00 PM