

Session Program

20-22 Nov 2023

From Physics to Medicine: XAI workshop ***AI Application in Physics and Medicine***

Università degli studi di Milano Bicocca

Tuesday 21 November

09:30

AI Application in Physics and Medicine

Session | **Location:** U3-03 | **Conveners:** Mariagrazia Monteleone, Francesca Camagni

09:30–10:00

Most wanted models in HEP: what is working and what may work in the near future

Speakers

Alessandro Rossi, Alessandro Rossi

10:00–10:30

A mathematical model for the enhancement of digital images and applications in the biomedical field

Speaker

Prof. Gianluca Vinti

10:30–11:00

Treatment of systematic uncertainties with Bayesian networks

Speaker

Andrea Messina

11:00–11:30

Coffee Break

11:30–12:00

Gaussian Mixture Models for probabilistic learning

Speaker

Luca Scrucca

12:00–12:30

Anomaly detection with Autoencoders for Data Quality Monitoring in HEP

Speaker

Alkis Papanastassiou

13:00