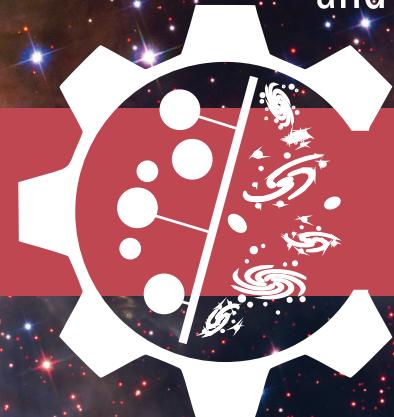


The international conference exploring challenges  
and opportunities presented by the Big Data era in astronomy



# MACHINE LEARNING FOR ASTROPHYSICS

## 2<sup>ND</sup> EDITION

### CATANIA, 8-12 JULY, 2024

## SCIENTIFIC HIGHLIGHTS

Focusing on the integration of machine learning (ML) and deep learning (DL) techniques with astrophysics, the event will showcase cutting-edge AI methodologies tailored for addressing key open problems in this field.

- Past and future multiwavelength all-sky surveys
- Time domain
- Cosmology & Simulations
- Astroparticles, cosmic rays, neutrinos
- Astronomical infrastructure: design, control and forecasting

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