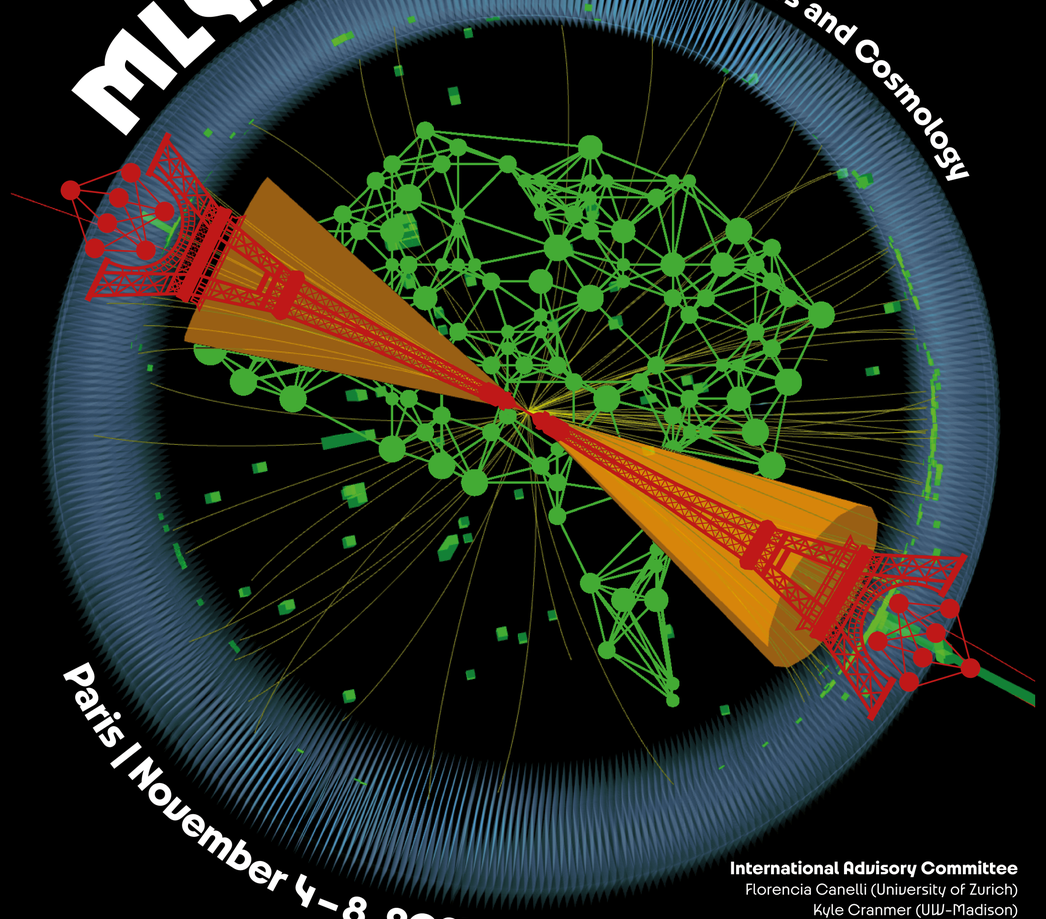
Tagging ■ Reconstruction ■ Detector Simulation ■ Event Generation ■ Astrophysics
Unfolding ■ Theory ■ Anomaly Detection ■ Uncertainties ■ Interpretability

ML4Jets | (Astro-)Particle Physics and Cosmology



Paris | November 4 – 8, 2024

Local Organizing Committee
Anja Butter (LPNHE)
Reina Camacho (LPNHE)
Benjamin Fuks (LPTHE)
Nabil Garroum (LPNHE)
Mark Goodsell (LPTHE)
Bertrand Laforge (LPNHE)
Bogdan Malaescu (LPNHE)
David Rousseau (IJCLab)

https://indico.cern.ch/event/1386125/

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~~Welcome to~~ ML4Jets 2024 Good bye

On behalf of the local organizing committee

Anja Butter (LPNHE)
Reina Camacho (LPNHE)
Benjamin Fuks (LPTHE)
Nabil Garroum (LPNHE)
Vladimir Gligorov (LPNHE)
Mark Goodsell (LPTHE
Bertrand Laforge (LPNHE)
Bogdan Malaescu (LPNHE)
David Rousseau (IJCLab)

We made it :)

- 106 contributions

- from 10 different tracks

- 140 in person participants
+ 150 online participants

Tracks

Anomaly detection
Astro & Cosmo
Detector simulation
Event generation
Foundation models
Reconstruction
Tagging
Theorie
Uncertainties & Interpretation
Unfolding & Inference

Last requests

From us: Please return your **badges** for reuse

From you: **Certificates of attendance** will be send upon request

Recordings

We will send forms for agreement to all speakers

Please answer asap!

We would like to thank

LPNHE for hosting this event and providing us with the full infrastructure

Sorbonne University for hosting the Reception in Tour Zamansky

SCAI for the reception lunch

FRIF, UPC & IN2P3 for financial support

LPTHE for administrative support

Carla and Isabelle for extensive administrative help

Lorenz Vogel for the poster design

Antoine, Daniel, Javier for supporting the LOC during this week

We would like to thank

The speakers
For great talks

The session chairs
For making sure everything went smoothly

All participants
For many questions and discussions

ML4Jets 2024

We hope you enjoyed MLYJets 2024, and Paris

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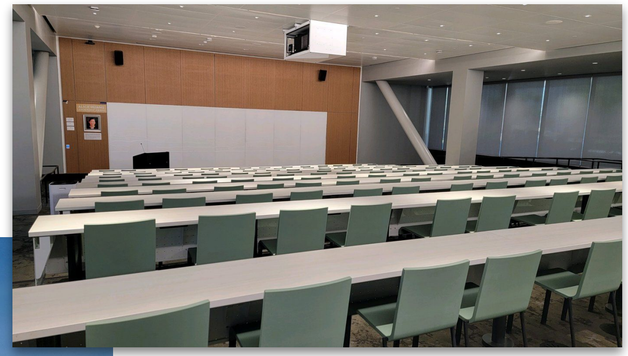
Save the dates for ML4Jets 2025
@ Caltech, Pasadena, California
August 24-29, 2025

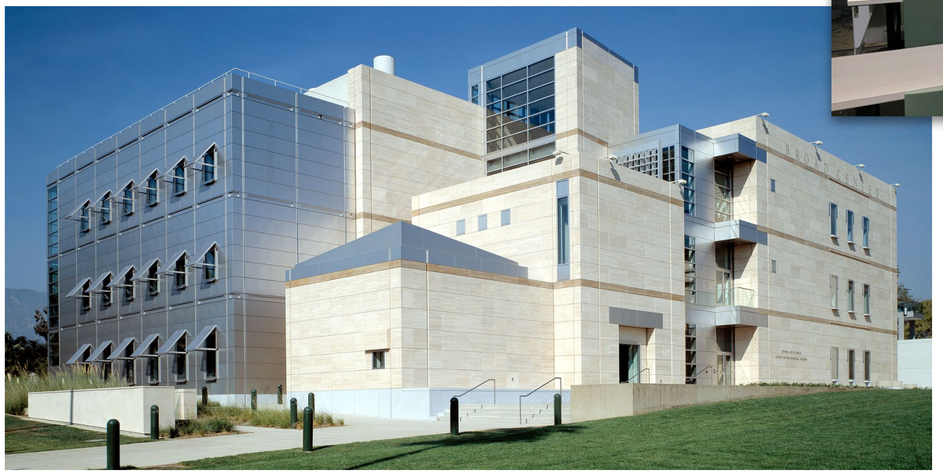
Main local organizers:
Prof. Maria Spiropulu (Caltech), Jennifer Ngadiuba (Fermilab+Caltech), ++

Vision/hope: participation from a broader multi-disciplinary and multi-domain community!

Chen Neuroscience Research Building



Broad Center for Biological Science



Jet Propulsion Laboratory

Griffith Observatory

Venice Beach

Manhattan Beach