# PHYSTAT - Statistics meets ML



**Monday 9 September 2024 - Thursday 12 September 2024**

**Imperial College London**

# Scientific Programme

This meeting is devoted to the statistical issues that arise when applying Machine Learning to analyses in Particle Physics or Astro/Cosmo. The main part of the meeting is from 9am on Tuesday September 10th to late afternoon on Thursday 12th.

On the afternoon of Monday 9th, there are some optional talks for people who want more background material to help them understand the talks and discussions of the next 3 days. They will give an introduction to Machine Learning, explain the range of ML applications in the fields of interest, and also provide a brief explanation of Particle Physics and of Astrophysics/Cosmology for those in other disciplines. People not registered for "Statistics meets ML" are also welcome to attend these talks.

Confirmed Speakers

Thea Aarrestad
Pierre Baldi
Purvasha Chakravarti
Kyle Cranmer
Maximilian Dax
Philipp Eller
Aishik Ghosh
Tobias Golling
Gaia Grosso
Lukas Heinrich
Alex Held
Gregor Kasieczka
Mikael Kuusela
Gilles Louppe
Luisa Lucie-Smith
Vinicius Mikuni
Hiranya Peiris
Jesse Thaler
Jeyan Thiyagalingam
Ben Wandelt
Ramon Winterhalder
Lily Zhang

Monday Talks

Niall Jeffrey
Jonathon Langford
Lucas Makinen
Eleni Tsaprazi
Daniel Winterbottom

Contributed Talks

Maximilian Autenrieth
William Handley
Artur Monsch
Alicja Polanska
Oliver Rieger
Andre Scaffidi
Jonas Spinner
Josh Villarreal