

Local Introduction

First COMETA workshop on artificial intelligence for multi-boson physics



Welcome to Amsterdam!

We are at the [Veltman](#) Centre

- All sessions will be here
- Coffee breaks will be downstairs by the coffee machine
- Lunch will be served outside the room
- All food vegetarian

Wi-Fi:

- eduroam
- Amsterdam Science Park (password free, just agree with terms and conditions)



Welcome to Amsterdam!

Photo: Before going for lunch today

→ We gather in the room for a picture



Welcome to Amsterdam!

How to get a coffee in Amsterdam

✓ Koffiebar / Cafe



✗ Coffee Shop



Scientific Introduction



COMETA aims at studying multiboson interactions, profiting from diverse techniques, among these ML advanced methods



More info:
COMETA [website](#)
COST Action [page](#)

This workshop: **ML tools for jets** for

→ jet substructures

→ flavour tagging



Programme of the workshop

Tuesday Morning

09:00	Welcome and introduction <i>Nikhef</i>	<i>Alessandra Cappati et al.</i> 09:00 - 09:10
	Theory aspects of jet & jet flavour definition <i>Nikhef</i>	<i>Simone Caletti</i> 09:10 - 10:10
10:00	Break <i>Nikhef</i>	10:10 - 10:30
	Experimental aspects of jet flavor definition in ATLAS and CMS <i>Nikhef</i>	<i>Francesco Armando Di Bello</i> 10:30 - 11:30
11:00	Experimental aspects of jet substructure technical definition in ATLAS and CMS <i>Nikhef</i>	<i>Deniz Sunar Cerci et al.</i> 11:30 - 12:30
12:00		

Tuesday Afternoon

14:00	Graph Convolutional Neural Networks for HEP <i>Nikhef</i>	<i>Frederic Magniette</i> 14:00 - 14:50
15:00	Break <i>Nikhef</i>	15:00 - 15:30
	Hands-on: open data session <i>Nikhef</i>	<i>Robert Les et al.</i> 15:30 - 18:00
16:00		
17:00		
18:00		

Programme of the workshop

Wednesday Morning

09:00	Discussion: future meetings, possibilities within COMETA (STSM, ..) <i>Nikhef</i>	<i>Alessandra Cappati et al.</i> 09:00 - 09:20
	Panel and discussion: flavour tagging <i>Nikhef</i>	<i>Karolos Potamianos et al.</i> 09:20 - 10:00
10:00	Break <i>Nikhef</i>	10:00 - 10:20
	Panel and discussion: jet substructure <i>Nikhef</i>	<i>Karolos Potamianos et al.</i> 10:20 - 11:00
11:00		