



SECOND CYCLE DEGREE/TWO YEAR MASTER IN ADVANCED METHODS IN PARTICLE PHYSICS

A.Y. 2022/2023

Course duration:
2 years

Language:
English

Place of Teaching:
**Clermont-Auvergne
Bologna
Dortmund**

Degree Programme Class:
LM-17 - Physics

Type of Access:
**Open access with
assessment of personal
competencies**

OVERVIEW

ADVANCED METHODS IN PARTICLE PHYSICS

The International Master of Advanced Methods in Particle Physics (IMAPP) is a joint degree program between the TU Dortmund University, the University of Bologna, and Clermont Auvergne.

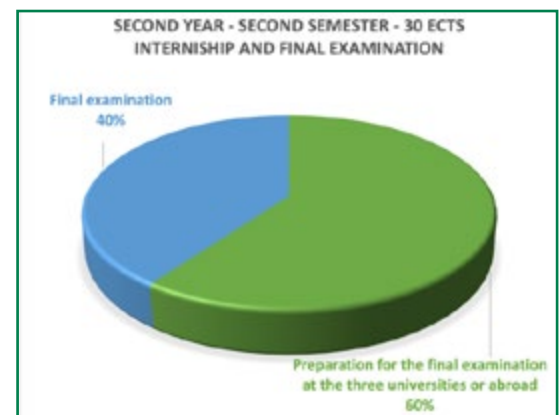
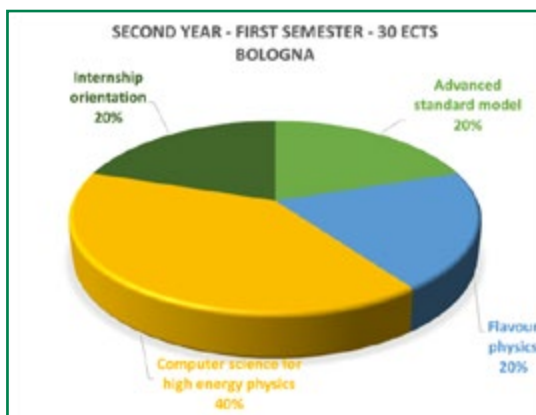
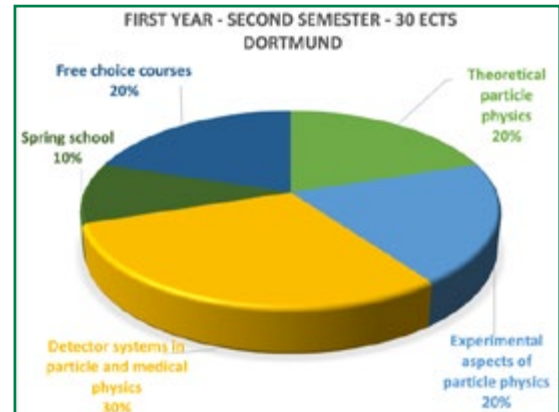
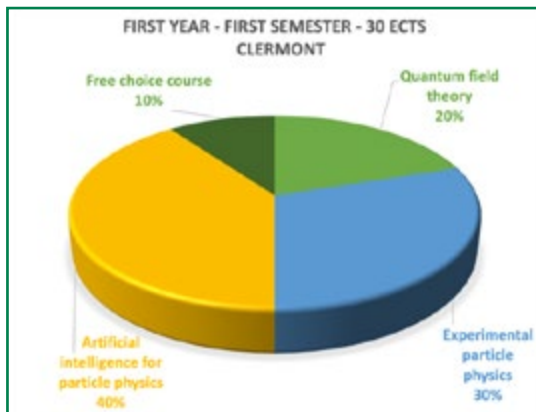
The program is designed for students interested in particle physics and aiming at being leading researchers in academia or private companies.

The degree aligns its program with the job market needs: it offers 36 credits in statistics and artificial intelligence, in the development of detectors and electronics and computer science.

Moreover, 36 credits are devoted to experimental techniques, 18 credits are focused on the theoretical foundations, and 30 credits are reserved for the final research thesis.

By studying at three universities at the core of Europe, IMAPP offers a unique mobility experience.

COURSE STRUCTURE DIAGRAM:



ADVANCED METHODS IN PARTICLE PHYSICS



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- 36 credits in statistics and artificial intelligence, in the development of detectors and electronics, and computer science
- 36 credits are devoted to experimental techniques
- 18 credits are focused on the theoretical foundations
- 30 credits are reserved for the final research thesis

FOR INFORMATION ON THE DEGREE PROGRAMME: info@imapp.eu



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF PHYSICS AND ASTRONOMY
"AUGUSTO RIGHI"

International character

tu technische universität
dortmund

UCA
UNIVERSITÉ
Clermont
Auvergne