



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

The International Master of Advanced Methods in Particle Physics (IMAPP)  
is an Erasmus Mundus Joint Master between  
the TU Dortmund University, the University of Bologna  
and the University of Clermont Auvergne.



International Master  
Advanced Methods  
in Particle Physics

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**

For information on  
the degree programme visit



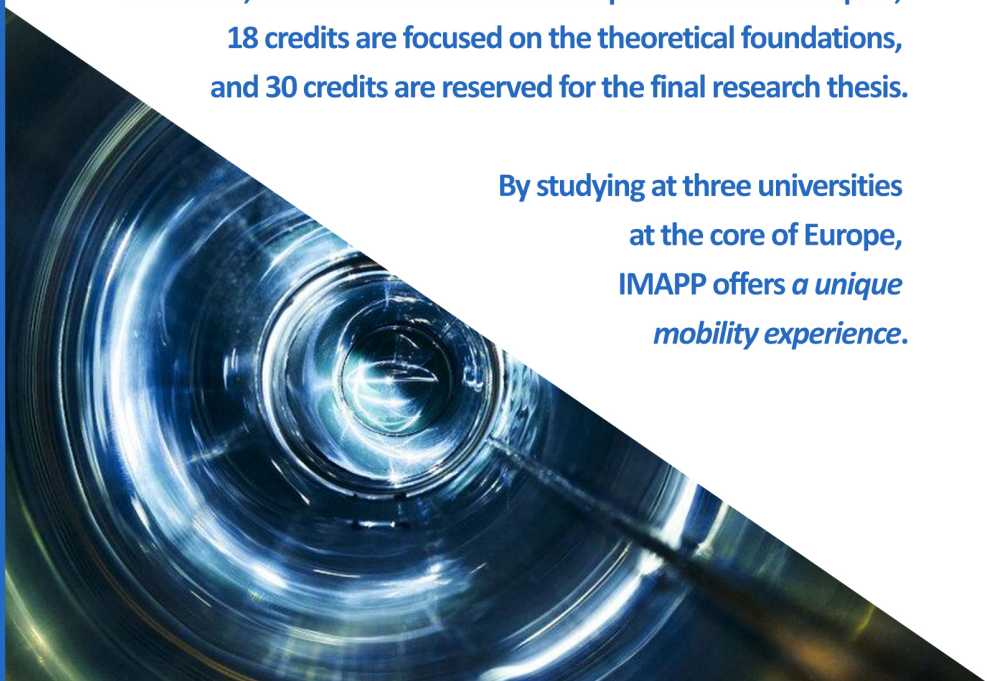
[imapp.eu](http://imapp.eu)  
f i y x

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

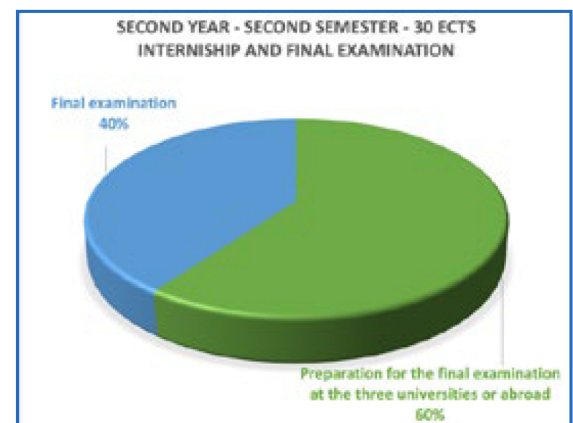
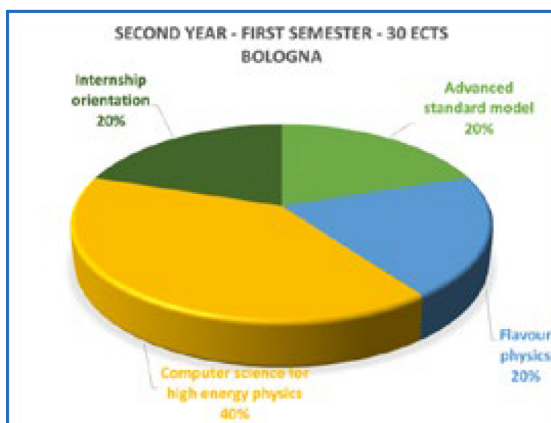
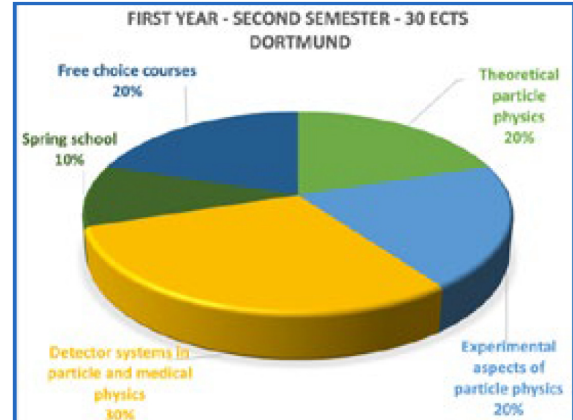
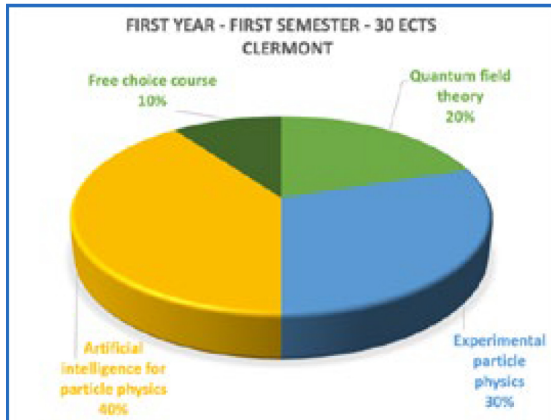
The degree aligns its program with the job market needs:  
it offers 36 credits in statistics and artificial intelligence,  
in the development of detectors  
and electronics and computer science.

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:



1

UNIVERSITY OF  
CLERMONT

2

UNIVERSITY OF  
DORTMUND

3

UNIVERSITY OF  
BOLOGNA

4

INTERNSHIP CHOSEN  
BY STUDENTS

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
- 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](mailto:info@imapp.eu)



ALMA MATER STUDIORUM  
UNIVERSITA DI BOLOGNA

**tu** technische universität  
dortmund

**UNIVERSITÉ  
Clermont  
Auvergne**



Co-funded by  
the European Union



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