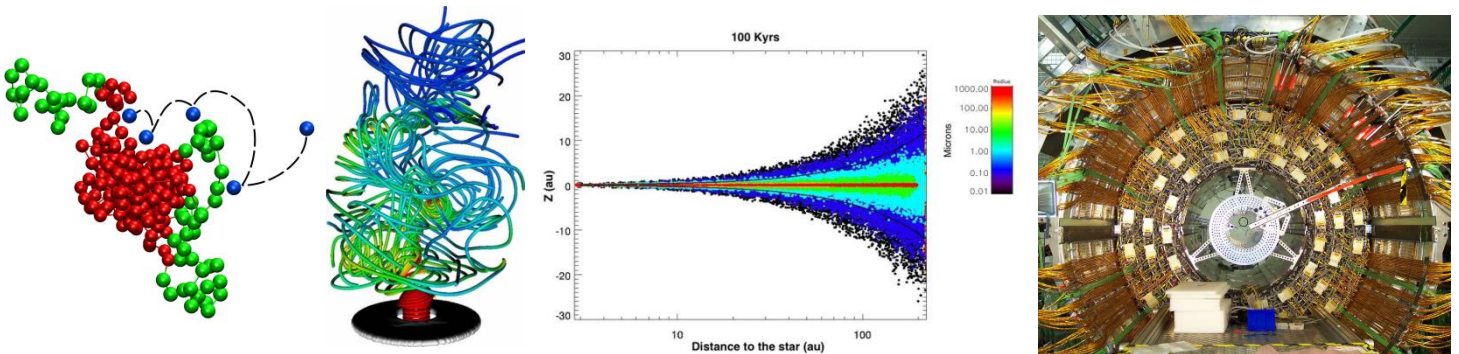


The *Paris Physics Master* is a two-year Master's program in physics, taught in English, in Paris (France). It is jointly run by two universities, Sorbonne Université and Université Paris Cité. The first year, starting in September 2023, consists of a broad and demanding set of courses in advanced fundamental, experimental, and numerical physics. The second year consists of further courses followed by a Master's thesis on a research topic of the student's choice. Through regular contact with researchers in theoretical and experimental physics, the Master's program aims to develop the necessary intellectual rigor and practical acumen for research, and hence prepare the students for a doctoral thesis.



## FIRST YEAR MASTER CURRICULUM

### First semester courses (30 ECTS):

- Advanced quantum mechanics
- Statistical physics
- Numerical methods for physics
- Macroscopic and complex systems
- French foreign language or International Physicists' Tournament
- Laboratory

### Second semester courses (30 ECTS):

Three courses to choose among four:

- Atomic and molecular physics
- Condensed matter: from fundamentals to nanosciences
- Nuclear and particle physics
- Astrophysics and cosmology

- Project or Advanced Quantum mechanics 2
- Internship (April-June)



## SECOND YEAR MASTER SPECIALIZATIONS

After completing the first year, students are fully prepared to continue their second year in one of the four programs offered by our universities:

Physics of Complex Systems (i-PCS)

Quantum Devices

Nanomat : nanosciences and material science

Nuclei, Particles, Astroparticles Cosmology (NPAC) ...

Physics of Plasmas and Fusion

Quantum Information for Physics

The second year consists of specialized courses including a six-month Master's thesis on a research topic of the student's choice.

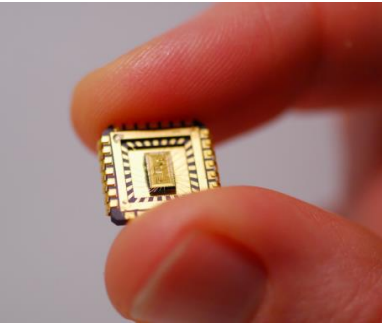
## APPLICATION PROCEDURE

Pre-requisites: A Bachelor's degree in physics, and fluency in English. No knowledge of French is required.

The application procedure is as follows:

- 1- **Initiation:** please send an email to both the directors of the master program (see contacts below), including a detailed resumé, a letter of motivation, and academic transcripts (in English). Recommendation letters are optional.
- 2- **Administrative validation:** this step depends on the country of origin of the applicant; all information may be found on the website of Campus France (<https://www.campusfrance.org/en/procedure-studying-in-France>):
  - If the so-called "Studying in France procedure" described on this website concerns you, you must apply to this Master's program through Campus France (*validation deadline: early in 2023, please contact us if you are late*).
  - If you are not concerned, your administrative files will be processed directly by one of our universities (*validation deadline: June 1, 2022*).
- 3- **Final selection:** after validation of their administrative files, applicants will be invited to a Skype interview, whose purpose is to complete our evaluation of the applicant's physics background and their English proficiency. The candidate will then be invited to complete the application procedure.

*Partial financial support may be available.*



## CONTACTS

Please send questions or applications to both the directors of this master program:

Florent Baboux ([florent.baboux@u-paris.fr](mailto:florent.baboux@u-paris.fr))

Nicolas Rodriguez ([nicolas.rodriquez@sorbonne-universite.fr](mailto:nicolas.rodriquez@sorbonne-universite.fr))

Please visit the website of *Paris Physics Master*: <http://www.parisphysicsmaster.com/>

