

NPAC


Noyaux
Particules
Astroparticules
Cosmologie



Master 2 Recherche










Everything You Always Wanted To Know About PhD (But Were Afraid to Ask)

Morning Program

NPAC - ED presentations

 mardi 3 déc. 2024, 10:00 → 14:00 Europe/Paris

Videoconférence  NPAC - ED presentations ▶ Rejoindre 

10:00	→ 10:20	Everything You Always Wanted To Know About PhD (But Were Afraid to Ask) ?	🕒 20m 
Orateur: Fabien Cavalier (IJCLab)			
 PhD NPAC.pdf			
10:20	→ 10:40	ED PIF	🕒 20m 
Orateur: Maria Chamarro			
10:40	→ 11:00	ED PHENIICS	🕒 20m 
Orateur: Dr David Verney (IJCLab Orsay)			
 presentation NPAC ...			
11:00	→ 11:20	ED STEPUP	🕒 20m 
Orateur: Fabien Cassé			
 STEPUP_presentati...			
11:20	→ 11:40	ED A&A	🕒 20m 
Orateur: Laurent Verstraete			
 ED@M2_NPAC_3de...			

What is a Thesis ?

- It is :
 - An **Academic Degree**
 - A **Professional Experience** in research \Rightarrow In France, you will have a **work contract** for the **whole duration** of the thesis
- It rewards an **original** research **work** done during **three years**. This duration is the nominal one, longer thesis should be exceptional and well justified
- Your work will be guided by a **Supervisor** who belongs to a **laboratory** and most of the time to a **physics group**
- The outcomes are :
 - A **written document** which describes a part of or the full work done during the thesis
 - An **oral defense (presentation ~1h+ questions ~1h)** in front of a jury

Thesis = 1 Subject
+ 1 PhD Supervisor
+ 1 Grant
+ 1 Lab + 1 Group (optional)

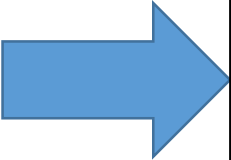
Doctoral School, you said Doctoral School ?

- It **follows** the progress of the thesis and the training of the students
- It **distributes** some grants (1 Grant costs ~130 k€)
- Each doctoral school has **its own rules** and **calendar**, in particular about grant distribution

PhD Supervisor belongs
to a given Doctoral School



You will apply (if needed),
be validated
and register
in this Doctoral School

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- In **Paris area**, there are several Doctoral Schools in our fields :
 - Thematic : **Astronomy & Astrophysics, PIF** (Physics in Ile de France)
 - Local : **PHENICS** (Paris-Saclay), **STEP-UP** (UPC), **IPPDS** (IPP) (Remark: SU has no local DS and is present for our fields in A&A and PIF)
 - In **Regions**, there is **one Doctoral School per site**
 - Formally, there is **no link** between **M2s** and **Doctoral Schools**

⇒ **any M2 student can apply to any Doctoral School**

- **In practice**, in some places, there are **some biases** towards “**local**” students. **Be careful !**

How to find a thesis ?

- NPAC website : <https://npac.ijclab.in2p3.fr/thesis-2425/>
- Doctoral Schools website (France) : <https://npac.ijclab.in2p3.fr/graduate-schools/> and others to be found
- Labs website
- Discuss with your professors and NPAC responsables

Some Advices

- **Meet** in person your future supervisor and **discuss** about the **subject**, the **funding**, the **team** and the **lab**
- **Ask** your future supervisor if she/he has her/his **HDR** (Habilitation à Diriger des Recherches)
- **Ask** to **discuss** with current **PhDs** and **postdocs** (without your future supervisor)
- **Stay open-minded** and investigate **several possibilities**
- You should have a **plan B** (different fundings, another ED ...)
- Discuss with your professors and NPAC responsables