



**Doctoral School ED 352**  
**Physics and Material Science**

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# ADUM

**The unique web interface for all the administration of the doctoral school**

- registration (every year in sept-to-oct) with the CSI report**
- portfolio, to be updated**
- any modification of your profile (supervision, funding etc..)**
- Preparation of the defense**

**You can send an email any time to us:**  
**[ed352-direction@univ-amu.fr](mailto:ed352-direction@univ-amu.fr)**

**No heavy document can be sent to this address**



# Web site: useful information is put here

<https://ecole-doctorale-352.univ-amu.fr/>

## FUTUR DOCTORANT

- > Inscription
- > Charge de Mission d'Enseignement (CME)
- > Guide du doctorant
- > Financements
- > Propositions de sujets de thèse
- > International

## DOCTORANT

- > Réinscription
- > Suivi des thèses - CSI
- > Formation doctorale
- > JSED (Journées Scientifiques de l'ED)
- > Annuaire des doctorants

## SOUTENANCE

- > Modalités
- > Préparation et dépôt du manuscrit de thèse
- > Soutenances à venir
- > Après le doctorat
- > Annuaire des docteurs
- > Prix de Thèse de l'ED

## LIENS UTILES

- > Service RESPECT et EGALITE
- > Association DYNAMU
- > Stages - IPRO
- > Offres d'emploi
- > Passeport Docteur de l'ANDÈS

2) regroupe les  
ale de  
in physique

The french pages are updated regularly

# Thesis direction



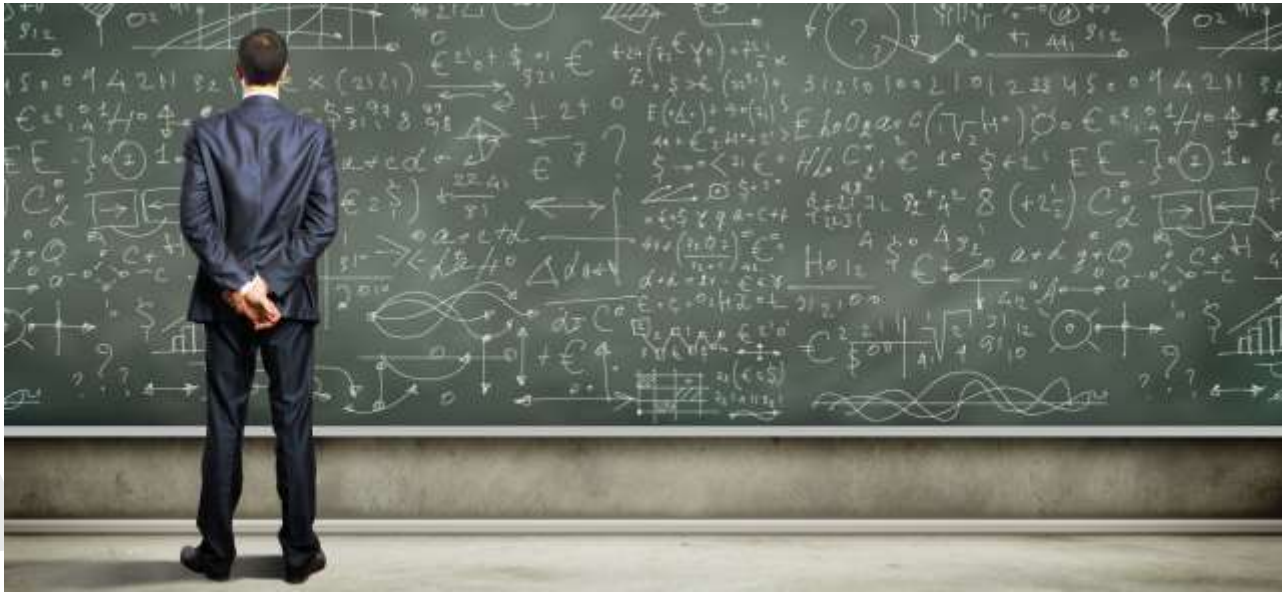
**1 director & 1 co-director (not always)**

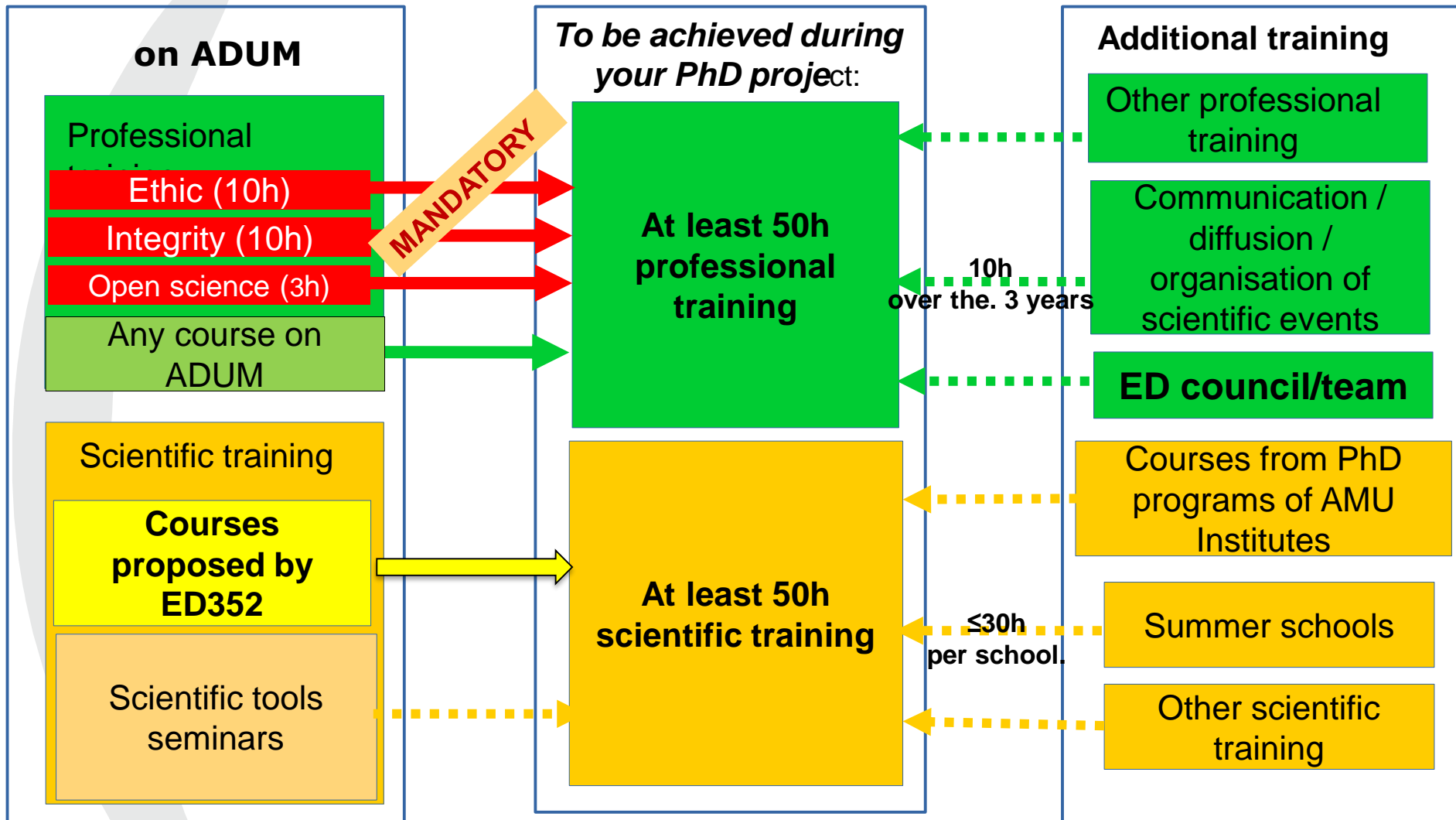
**The director is responsible  
for the university, not the co-director**

**Any administrative issue  
must involve the thesis director**

# Training courses: $\geq 100$ hours

- **Scientific training :  $\geq 50$  hours**  
*Formation scientifiques*
- **Professional training:  $\geq 50$  hours**  
*Formations professionnalisantes*





# Courses proposed in 2023/24 by the ED352

- Introduction to stellar spectroscopy (Joël Rosato),
- Enseigner la physique-chimie : éléments de préparation à l'agrégation de physique spéciale docteur (Julien Duboisset),
- Field theoretical aspects of general relativity (Simone Speziale),
- Magnetic Resonance Imaging physics, bio physical, bio markers (Guillaume Duhamel),
- Modern Density-Functional Theory Applied to Solids and Nanostructures : Structural, Electronic and Optical properties (Hans-Christian Weissker),
- From planet formation to the emergence of life,
- Quantum Processes involving atoms and photons (Caroline Champenois),
- Standard model (Aiofe Bharucha),
- Nanomatériaux et matériaux structurés,
- Seminars and conferences around nuclear science and energy (Marco Minissale)
- Irradiation and Material Damage (Régis Bisson),
- Spacecraft observations accessible throughout the Virtual Observatory : application to the study of planetary plasmas (Laurent Lamy),
- Advanced statistical methods for high energy physics (Lorenzo Feligioni/Yann Coadou),
- Introduction to theories beyond the standard model of particle physics (Michele Frigerio),
- Introduction to nanophysics (Gilles Renversez).





# What is new in 2024?

- **Open science** (*highly recommended by the doctoral college –3 hours, becomes mandatory in???*)
- **Participation to events, to scientific animation in your lab: can be validated for up to 10 hours (max)**
- **Participation to the council of the doctoral school 10 to 15 hours**
- **Participation to a summer school is validated for 30 hours (max) ~~conferences, workshops~~**
- **Scientific training on ADUM not proposed by ED352: not automatically validated**



## It's time for Questions...



# Publication of your thesis work

- **One publication in a peer-reviewed journal is required to defend the thesis**  
**as main contributor:** first author (most of the cases), corresponding author
- A submission is accepted when the request for defense is performed (with a proof of the submission)

# Financing

- **You must be financed until the end of the month preceeding your defense**
- **Any prolongation must be funded**
- Contact your supervisor and ED 352 early if this seems to be a problem, and in any case before the end of your contract

## Conference participation - mobility

- Funding is still available, up to 500€ - ask Michèle Francia

## The defense - timing

- The request for defense has to be done on ADUM **at least 8 weeks** before the defense date:
  - ① Validation of the committee
  - ② Validation of the coursework →  $\geq 100$  h
  - ③ Validation of the publications
  - ④ Validation of the manuscript which has to be 100% completed (including a summary in French of at least 10 pages if the manuscript is in English)

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**If the summer break is included in the 8 weeks you will have to add 4 to 5 weeks → your request has to be done 12-13 weeks before the defense date**

**A more precise calendar will be communicated later  
It is not the doctoral school which decides for the schedule**

## The defense committee I

- 4 to 8 members with the thesis supervisor(s)
- At least half of the committee members equivalent to full professor (rank A)
- At least half of the committee members external to ED 352 laboratories, AMU, ECM, CEA/Cadarache
- Both sexes must be represented
- Cotutelle: things may be more complicated – check very early with your supervisors and the ED

**WARNING!**



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**WARNING!**

**If you want to avoid any issue for the validation of the committee contact us well before your request to defend on ADUM.**

## The defense committee II

- Rank A: full professor members
  - ① France: Professeur, directeur de recherche, astronome, some CEA staff (to be check with CEA and ED)
  - ② Foreign: ONLY Full Professor (e.g. not associate professor)
- Rank B: any other members (with a PhD)
- Check the status of each member on the web site of his institute, and send the link to the ED.

Do not use any other, non official information (like linkedin)

# The defense committee III

## Reviewers

### They can be either Rank A or Rank B

- ① France: (Habilitation à Diriger les Recherches) HDR needed
- ② Foreign: only full professors,

In all other cases for foreign reviewers, a derogation is needed

Contact the ED 4 weeks before your request for defense on ADUM,  
to prepare all the documents needed to apply for the derogation

The reviewers must not be involved in any way to your work, must not have signed any article with you.

It is highly recommended that the reviewers have not signed any paper with your supervisors during the last 5 years.



## It's time for Questions...



# ED Council : composition and organisation

## 22 members

- 2 representatives of AMU and ECM
- 10 representatives of the labs
- 2 representatives of the administrative staff
- 4 external members
- **5 Ph.D. students (elected by their peers),  
to relay questions and needs of the students,  
to stay informed**
- **4 annual meetings**

**Election of the 5 PhD students  
during the scientific day of the ED  
June 2024**



# The Team: PhD students of the ED Council



- To create **a link between all the PhD students**
- Organisation of **events, meetings, seminars on any topic all along the year:** (about post-doc career, social topics linked to your experience, seminar on hot topics, etc...)
- Preparation of the **scientific day** of the doctoral school (JSED)
- **Dedicated budget**
- Zoom meetings with the direction of the doctoral school
- **Training hours allocated** (professional training):
  - 10 hours for 2<sup>nd</sup> year PhD students
  - 15 hours for 1st year PhD students



**It's the last time for Questions...**

You can find all the information you need on the web page of the doctoral school

<https://ecole-doctorale-352.univ-amu.fr/>