

Erasmus Mundus Joint Master on Large Scale Accelerators and Lasers (EMJM LASCALA)



LUND
UNIVERSITY



SAPIENZA
UNIVERSITÀ DI ROMA



UNIVERSIDAD
DE SALAMANCA

université
PARIS-SACLAY

EMJM LASCALA

Master of Physics in

- accelerator physics
- high-power laser technologies, high-intensity laser–plasma interactions,
- and gravitational wave detectors.



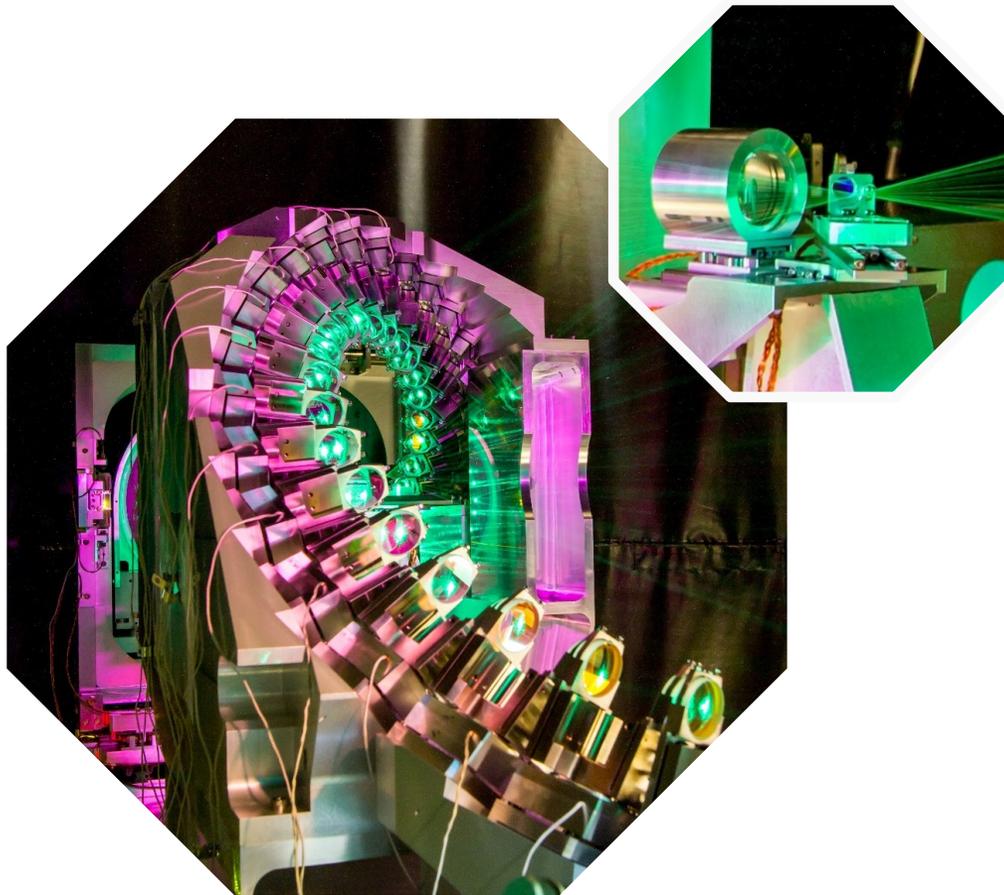
EMJM LASCALA

Erasmus+ action of the European Commission:

- Mandatory mobility in at least two countries (other than the country of residence)
- Fully taught in English
- Open to European and non-European students.



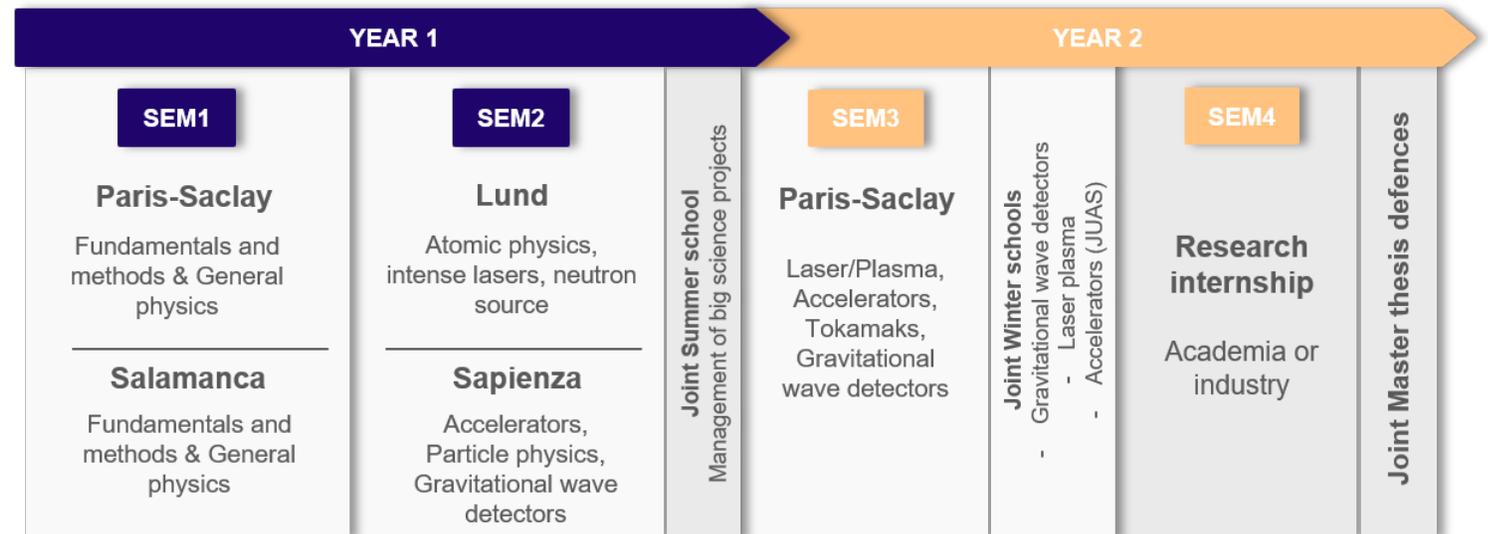
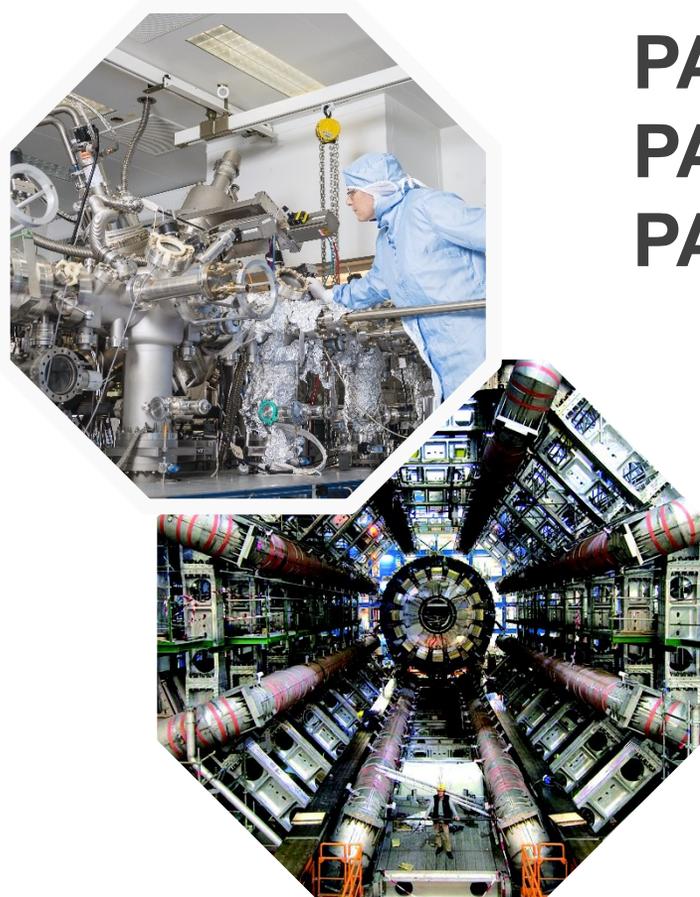
EMJM LASCALA



Established	2020
Student / cohort	25
Duration	2 years
Credits	120 ECTS
Master Thesis (TFM)	30 ECTS
Semesters	1st - Paris-Saclay or Salamanca 2nd - Lund or Sapienza Roma 3rd - Paris-Saclay 4th - TFM at one of the universities or collaborating partner

Mobility track & specialization

- PATH 1** – High power lasers, femto and attosecond
- PATH 2** – Accelerators
- PATH 3** – Gravitational wave detectors



Partners

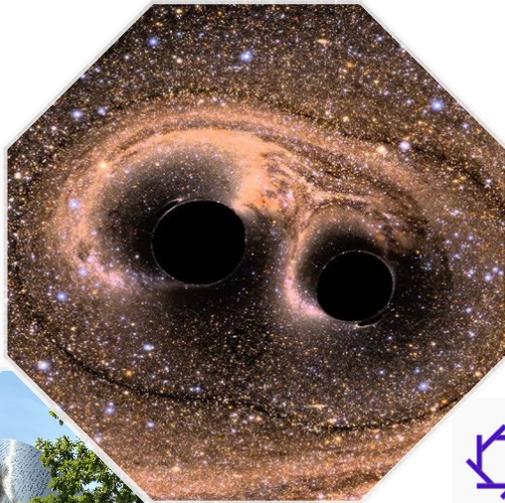
- Research centers:** CLPU (Spain), Elettra Sincrotrone Trieste (Italy), HUN-REN Wigner (Hungary), INFN (Italy), L2A2 (Spain), ELI-ALPS (Hungary), Laserlab Europe (Europe), MAX-IV (Sweden), SOLEIL Synchrotron (France), Central Laser Facility (United Kingdom), Institute of Photonics and Technologies (Taiwan), Structured Light Laboratory (South Africa).
- Scientific collaboration:** Einstein telescope (Europe), EuPRAXIA (Europe), ECFA (Europe), VIRGO (Europe), LIGO (USA).
- Companies:** Thales accelerator RF department (France), Thales laser department (France), Amplitude (France).



Schools

JOINT WINTER SCHOOLS

- **PATH 1 - Laser-Plasma Interaction, ELI-ALPS, Szeged, Hungary.**
- **PATH 2 - JUAS, ESI, Archamps, France.**
- **PATH 3 - Advanced gravitational wave data analysis, Wigner, Budapest, Hungary.**



JOINT SUMMER SCHOOL

Techniques of Oversight in Scientific project Administration (TOSCA) - Archamps, France.

One-week intensive programme on managing large-scale scientific projects (accelerators, lasers, gravitational wave detectors).



Tuition fees

PARTNER COUNTRY STUDENTS

8000 €/year

All other nationalities

PROGRAMME COUNTRY STUDENTS

4500 €/year

27 EU countries
+ Iceland, Macedonia, Liechtenstein, Norway,
Turkey, Serbia

Scholarship & funding

**Scholarship
application
deadline**

14 February 2026

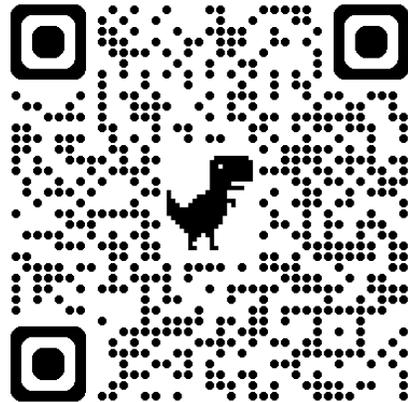
**Please see the details at
[https://www.master-lascaLa.eu/
apply/application-procedure](https://www.master-lascaLa.eu/apply/application-procedure)**

<p>ERASMUS MUNDUS SCHOLARSHIPS <i>(About 12 scholarships per cohort)</i></p> <p>1400€/month x 24 month + fee waiving</p>	<p>ERASMUS MOBILITY SCHOLARSHIPS <i>(Bachelor's students from UPSaclay, Lund, Sapienza and Salamanca)</i></p> <p>Up to 600€ per month</p> <p>Funding for up to 12 months (360 days) Request to be made upon enrollment in the program</p>
<p>LASCALA PARTIAL SCHOLARSHIPS <i>(About 12 scholarships per cohort)</i></p> <p>Fee waiving</p> <p>Can be combined with IDEX, Erasmus Mobility scholarships</p>	<p>PARIS-SACLAY SCHOLARSHIPS (IDEX) <i>(About 3 scholarships per cohort)</i></p> <p>Up to 17 500€</p> <p>Bachelor's students from outside Paris-Saclay University</p>

Application

ADMISSION CRITERIA

Bachelor degree (180 ECTS or equivalent) in Physics and related topics.
English skills (TOEFL, IELTS or other proof).



www.master-lascale.eu

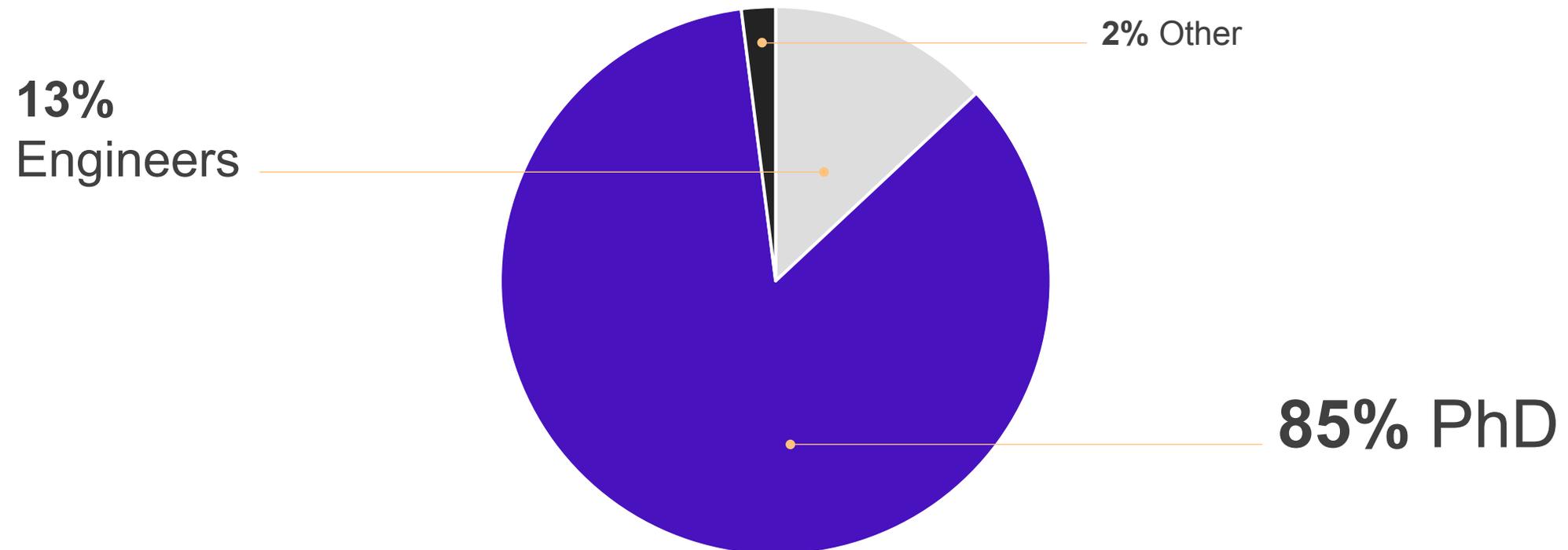
APPLICATION DEADLINE

Scholarships: 14 February 2026

Self-financed students: 30 April 2026

After LASCALA?

After two years of master's studies, LASCALA graduates pursue diverse career paths in academia and industry. Within three months of graduation, **90% secure positions**:



Contact us

- Website:
 - www.master-lascala.eu
- General coordinator (U. Paris-Saclay):
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- USAL coordinator
 - lascala@usal.es

