

# LIP Internship Program 2025

welcome to LIP and instructions

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for the many people involved



LABORATÓRIO DE INSTRUMENTAÇÃO  
E FÍSICA EXPERIMENTAL DE PARTÍCULAS

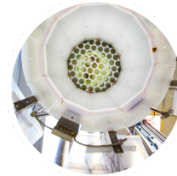
WHAT

# LIP IS

The reference institution for experimental particle physics in Portugal and the Portuguese reference partner of CERN as well as other international scientific infrastructures



**Experimental particle and astroparticle physics**



**Development of new instruments and methods**



**Scientific computing**

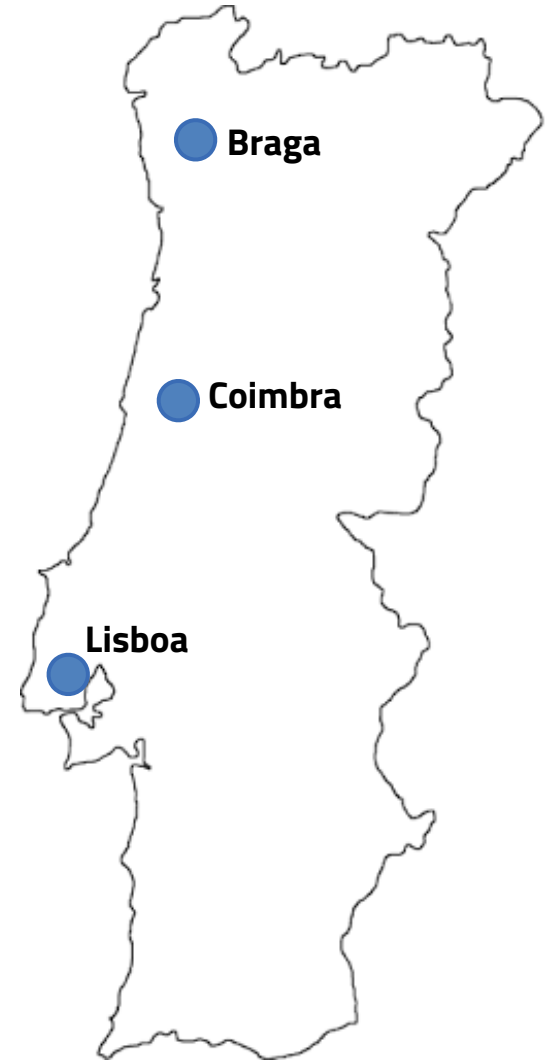
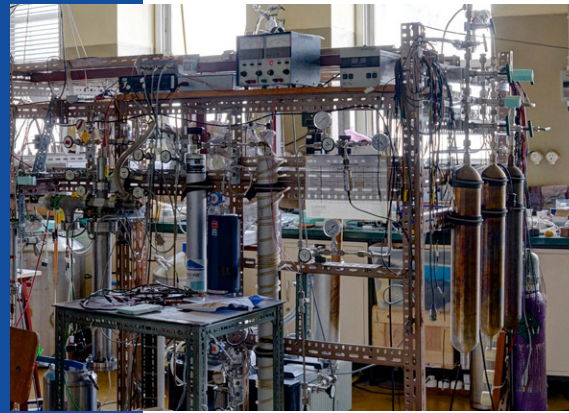


**Knowledge transfer, education and outreach**

WHERE

# LIP IS

A nation-wide laboratory  
working in close  
collaboration with the local  
universities



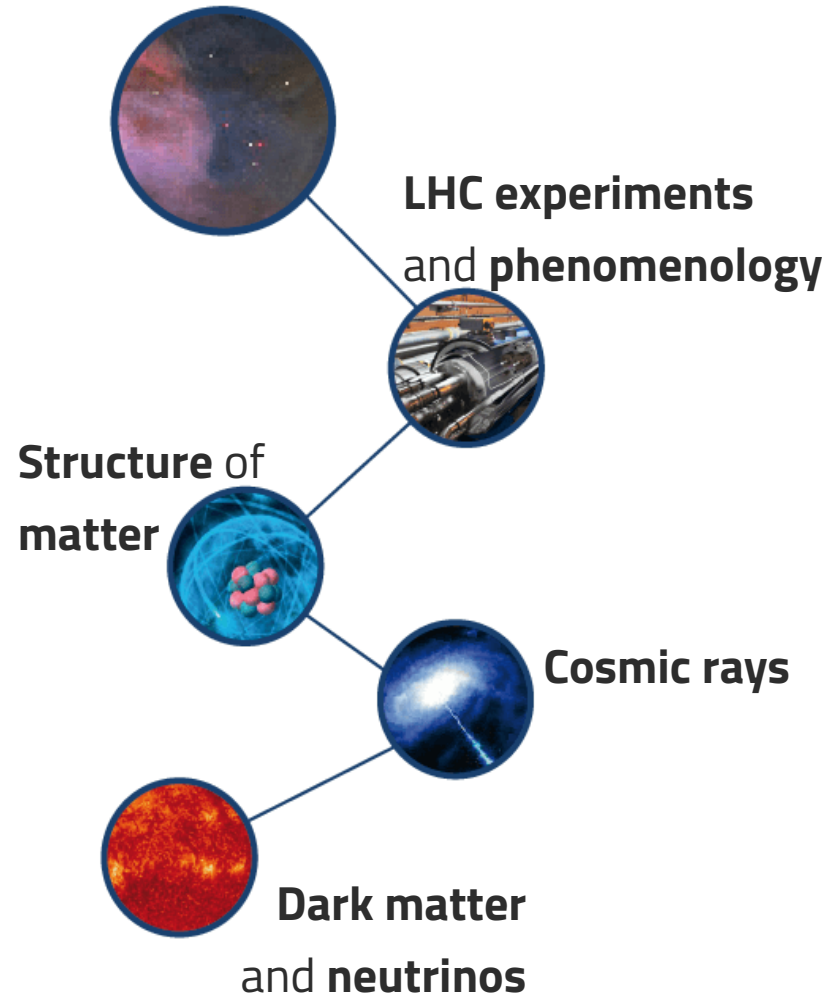
# LIP Internship Program



# Research Areas

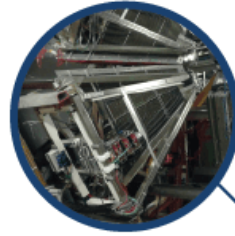
- **Experimental particle and astroparticle physics**
- **Development of new instruments and methods**
- **Scientific computing**

## Experimental particle and astroparticle physics



# Research Areas

- Experimental particle and astroparticle physics
- **Development of new instruments and methods**
- Scientific computing



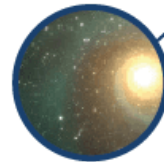
**Development of new instruments and methods**



**Detectors for Particle and nuclear physics**



**Health applications**



**Radiation environment studies and applications for space**

# the full program

## **introductory lectures and tutorials**

learn about the research at LIP

for your summer project and beyond

## **develop your research project**

in close contact with supervisor(s)

and your other colleagues

## **present your results and learn about others**

in a common final workshop

and in a paper for future reference

[\(check the papers from previous years\)](#)



[indico - link](#)

[slack - link](#)

# the center & surroundings

## **your summer research project**

this is the main focus for all of us

## **your supervisor, colleagues, group**

the supervisor is your main contact:

has everyone already met?

## **the LIP community**

colleagues are spread around in location

but we stay connected to the rest of LIP



Estagios @ lip.pt  
Helpdesk @ lip.pt  
Secretariado @ lip.pt



# the common agenda

**introductory lectures each Wednesday**  
on the several research lines of LIP

**meeting point for all subjects**  
please ask all the questions you want

**hands-on tutorials in the afternoons**  
learn useful tools for your projects & beyond  
(these are in parallel: you'll need to choose)

<https://indico.lip.pt/event/2021/>

**Today**

Introduction to  
Particle Physics

and Detectors

*meeting supervisors*

and a tour of LIP

# your questions & contacts

Coffee-break times and where to have lunch?

Working times and spaces?

Summer holidays...

Languages...

What else?