

LIP Internship Program 2024

welcome to LIP and instructions

Sofia Andringa 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

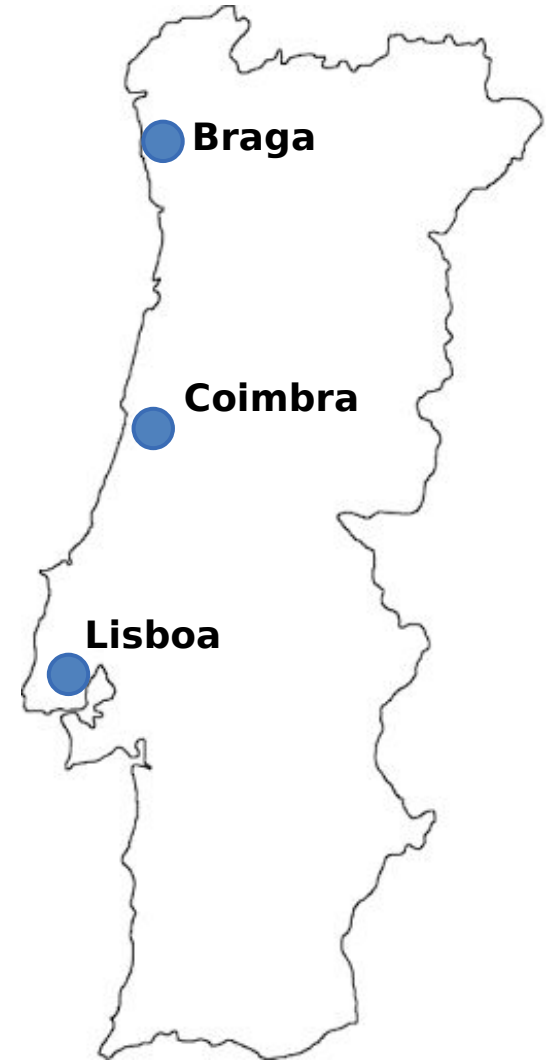
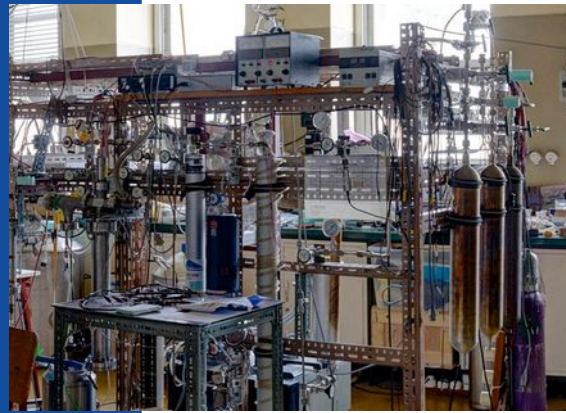


Knowledge transfer, education and outreach

WHERE

LIP IS

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



LIP Internship Program

photos from 2023



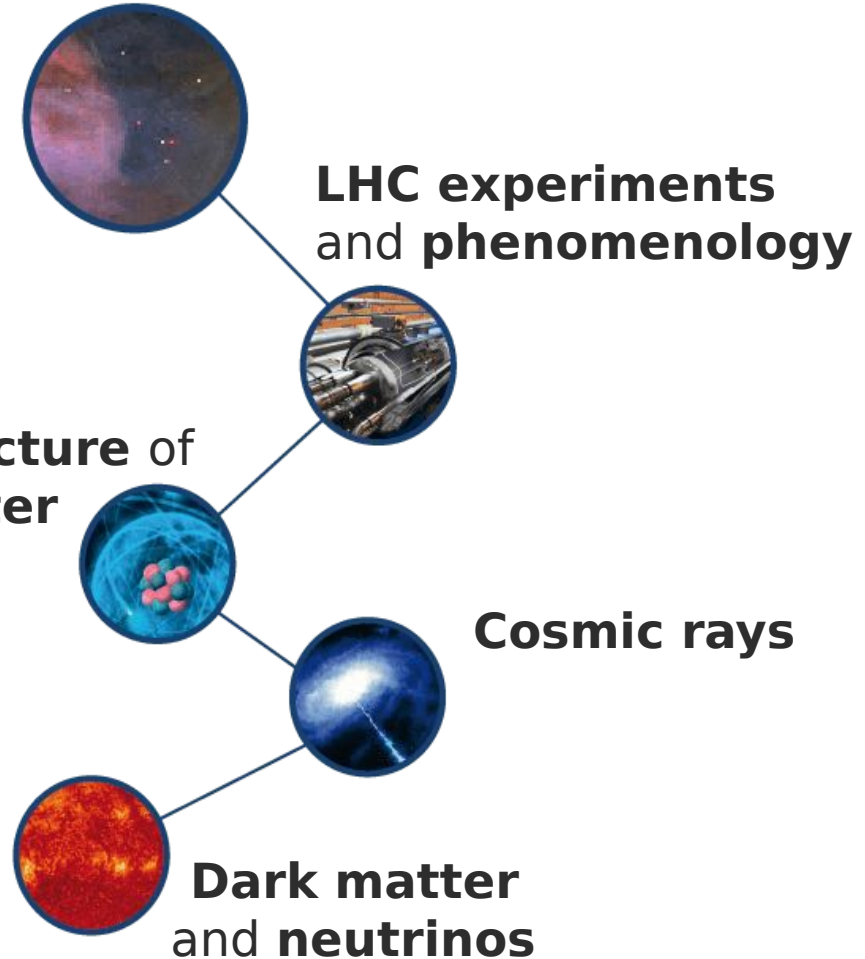
Research Areas

**Experimental particle
and astroparticle physics**

**Development of new
instruments and methods**

Scientific computing

**Experimental particle and
astroparticle physics**

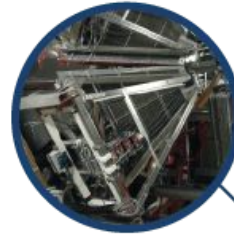


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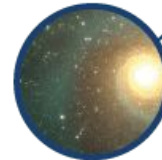
Development of new
instruments and
methods



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)



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 tuesday
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/1779/>

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?

Sofia @ lip.pt

Lisboa: Inês
miOchoa @ lip.pt

Coimbra: Luís
Margato @ coimbra.lip.pt

Minho: **Raul @ lip.pt**
Sarmento