



### **Highly motivated team**

- Responsible
- Companionship
- Shared objectives
- Easy to organize, 6 years together
- Wide range of expertise
- All objectives were achieved.

### **Good facilities, support instruments and tools**

### **“Clients” and financial sources**

- Around 85% Lip-groups
- External demands increase.



SOBRE O LIP

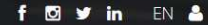
INVESTIGAÇÃO

CENTROS DE COMPETÊNCIA

INFRAESTRUTURAS

CIÊNCIA E SOCIEDADE

FORMAÇÃO AVANÇADA



// INFRAESTRUTURAS

## OFICINA DE MECÂNICA



### Motivated team

- Responsible
- Companionship
- Better communication
- Wide range of expertise
- All objectives were achieved

**Good facilities and machinery, support instruments and tools need continuous upgrade.**

### “Clients” and financial sources

- Around 60% Lip-groups
- External demands increase.





More efficient work schedule and production

Wide range of expertise allows to better project design, shortening production and testing times, as well as reducing the number and/or severity of failures.

Risk: Individual responsibility increase and individual failures could block the system!! However, low risk low profit!!

# Main “tasks” of 2022

DL+MW

- DL

- BrainPET
- Hades
- Sealed RPC
- Dosimetry
- ImprovePT
- Cloud Chambers
- SparkChambers
- All other internal requests
- Significant number of external requests

- MW

- BrainPET
- Cloud Chambers
- ProtoDune
- Dosimetry
- SND Mechanics
- All other internal requests
- Significant number of external requests
- CERN Workshop

Collaboration with the Bioelectronics & Bioenergy Research Lab,  
Centre for Functional Ecology and Associated Laboratory TERRA  
Department of Life Sciences, University of Coimbra

R&D

Production and Test

supply instrumentation for classes

Patent

# Main “tasks” of 2022

We can see contributions from Mechanical Workshop and/or Detector Lab in most talks (with instrumentation) during these two days.

Strong evidence of the capabilities and commitment of both Infrastructures in all demands from Lip research groups

Adding, we also increase exponential the contribution of external demands with a total profit of more than 20 k€