

Particle Physics and associated technologies in Portugal

»How we are organized

»What we do

Portugal joined **CERN** in 1985/1986

LIP was created in 1986 as
a non profit private scientific organization owned
the two main public science funding agencies

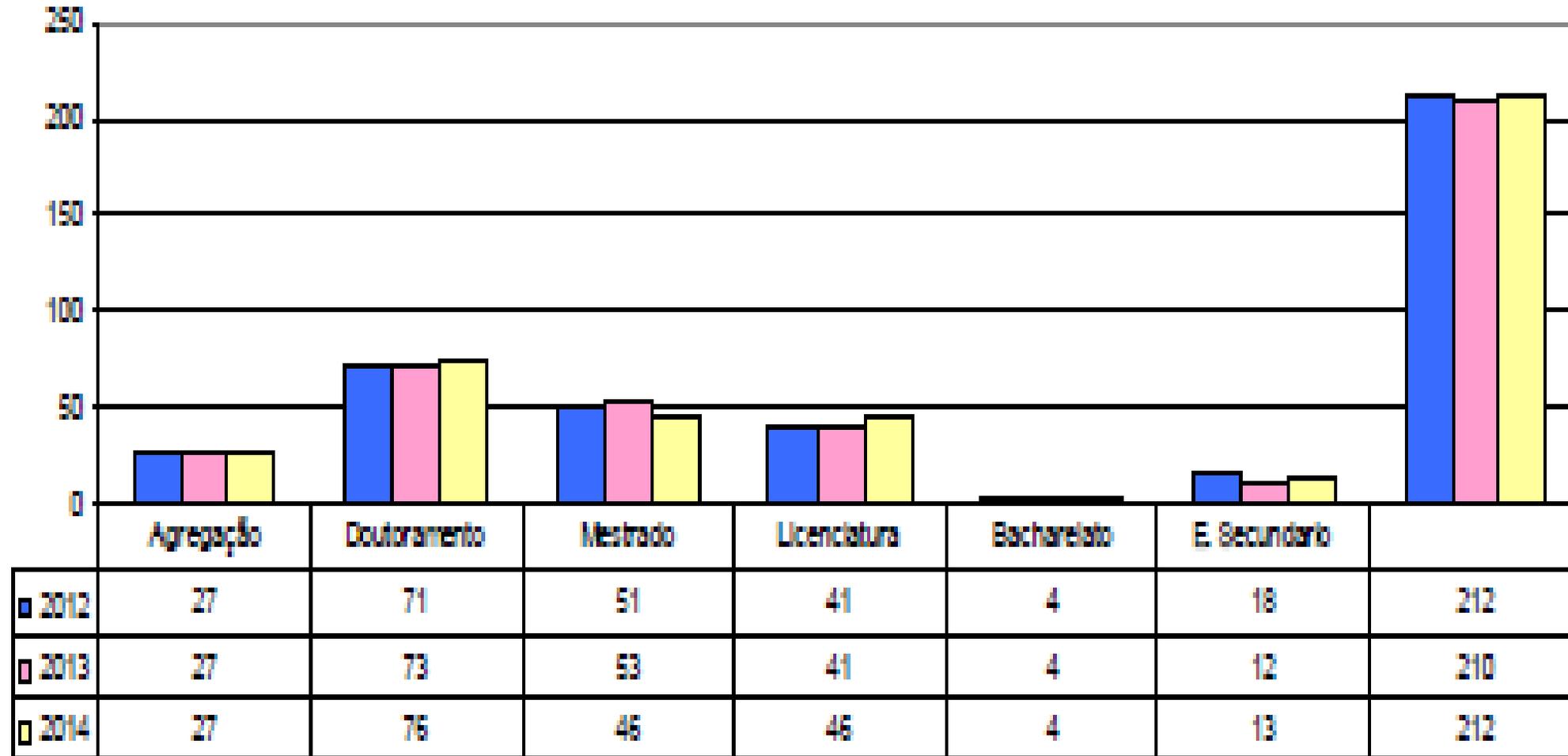
Now:

FCT, ANIMÉE, Universities of Lisbon, Coimbra and

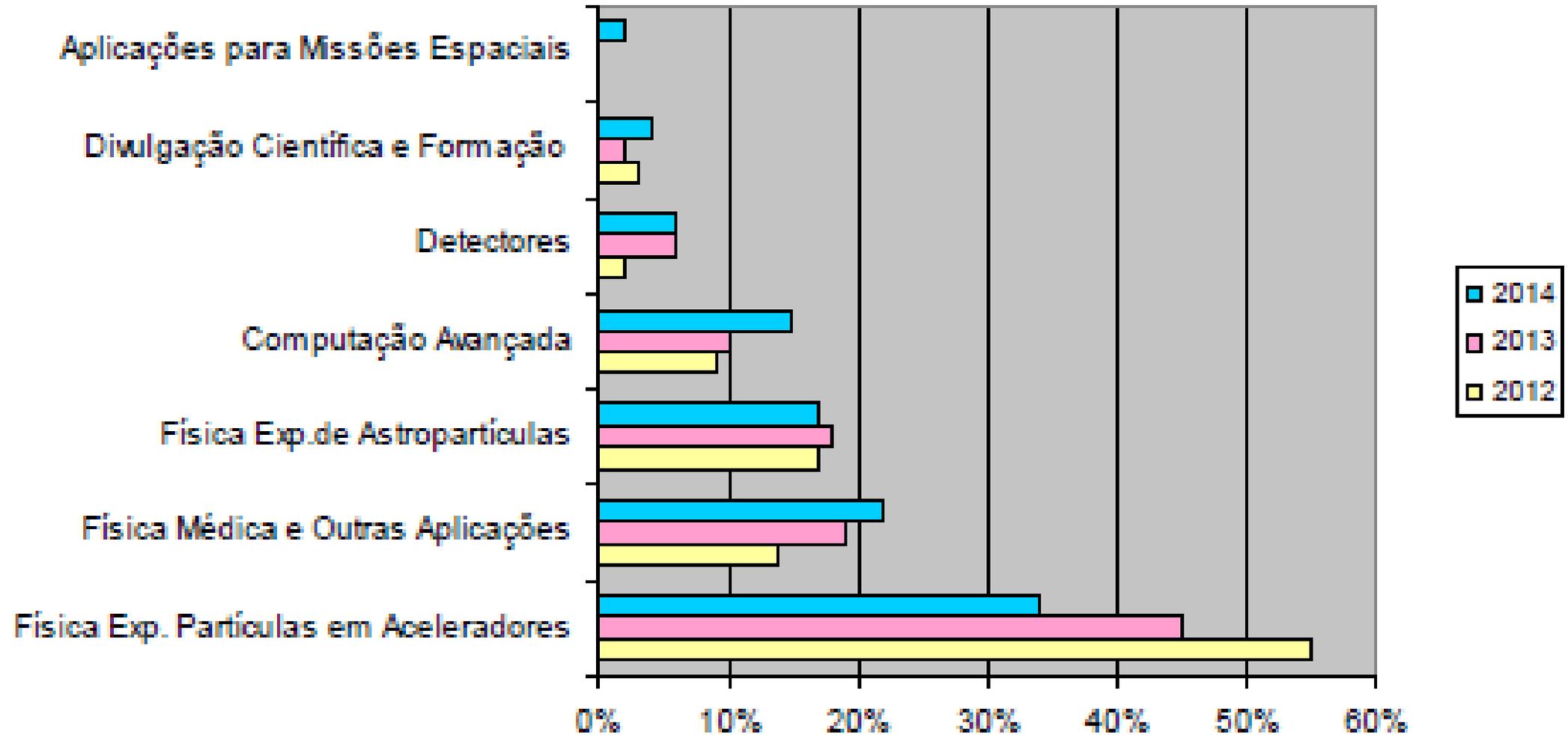
We do...

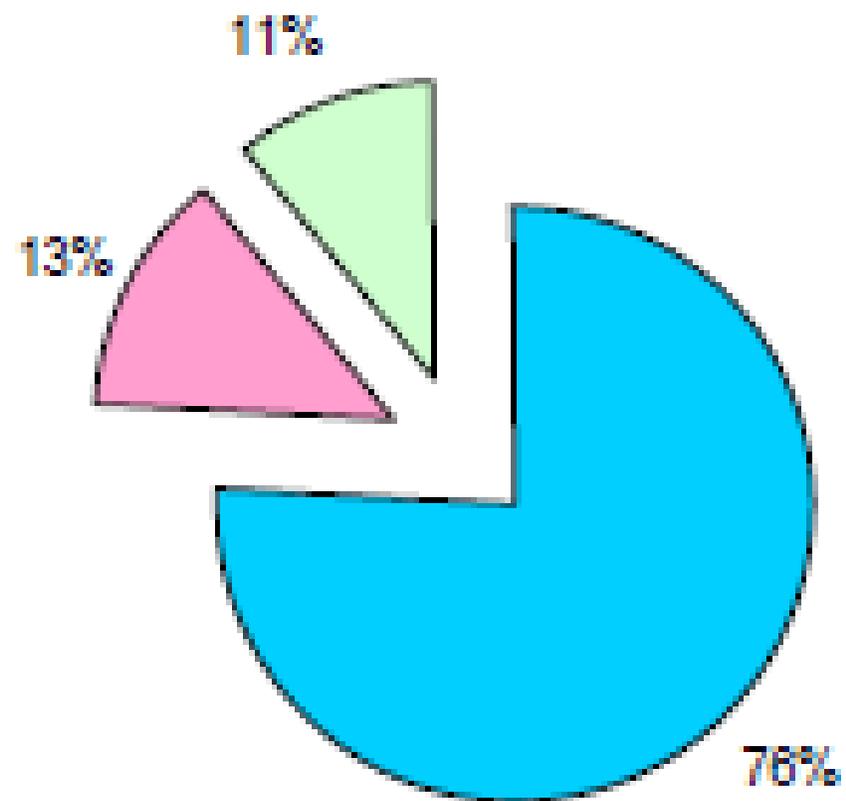
- ...Experimental Particle and Astroparticle Physics
- Detectors
- Advanced Computing
- Medical Physics
- Outreach
- Training
- Physics Education

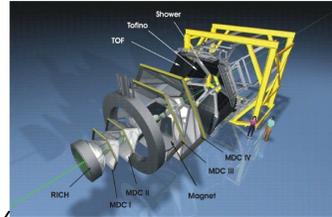
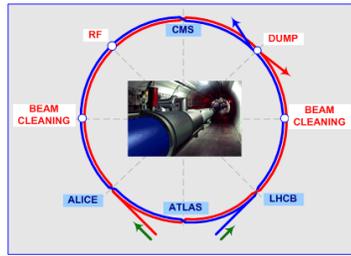
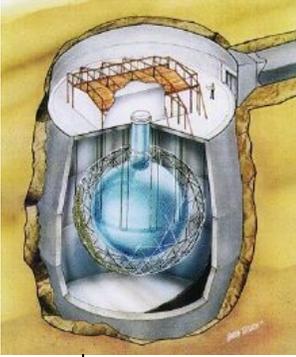
Evolução R. Humanos 2012/2014



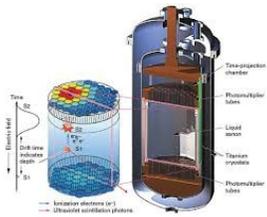
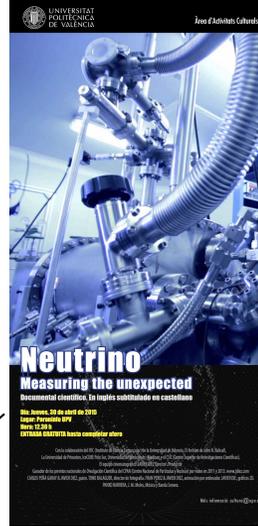
Financiamentos por Domínios de Investigação
(2012-2013-2014)







LABORATORIO DE INSTRUMENTAÇÃO E FÍSICA EXPERIMENTAL DE PARTICULAS



-2070 M
Sudbury,
Canada

~2000 M
Lux dark matter

-100 M
CERN,CH

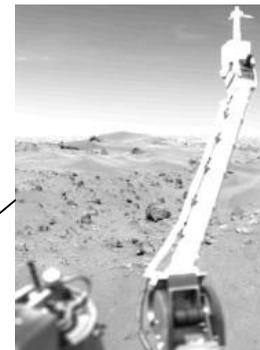
AUGER
Pampa Argentina

GSI
Germany

Next
Canfranc
Spain

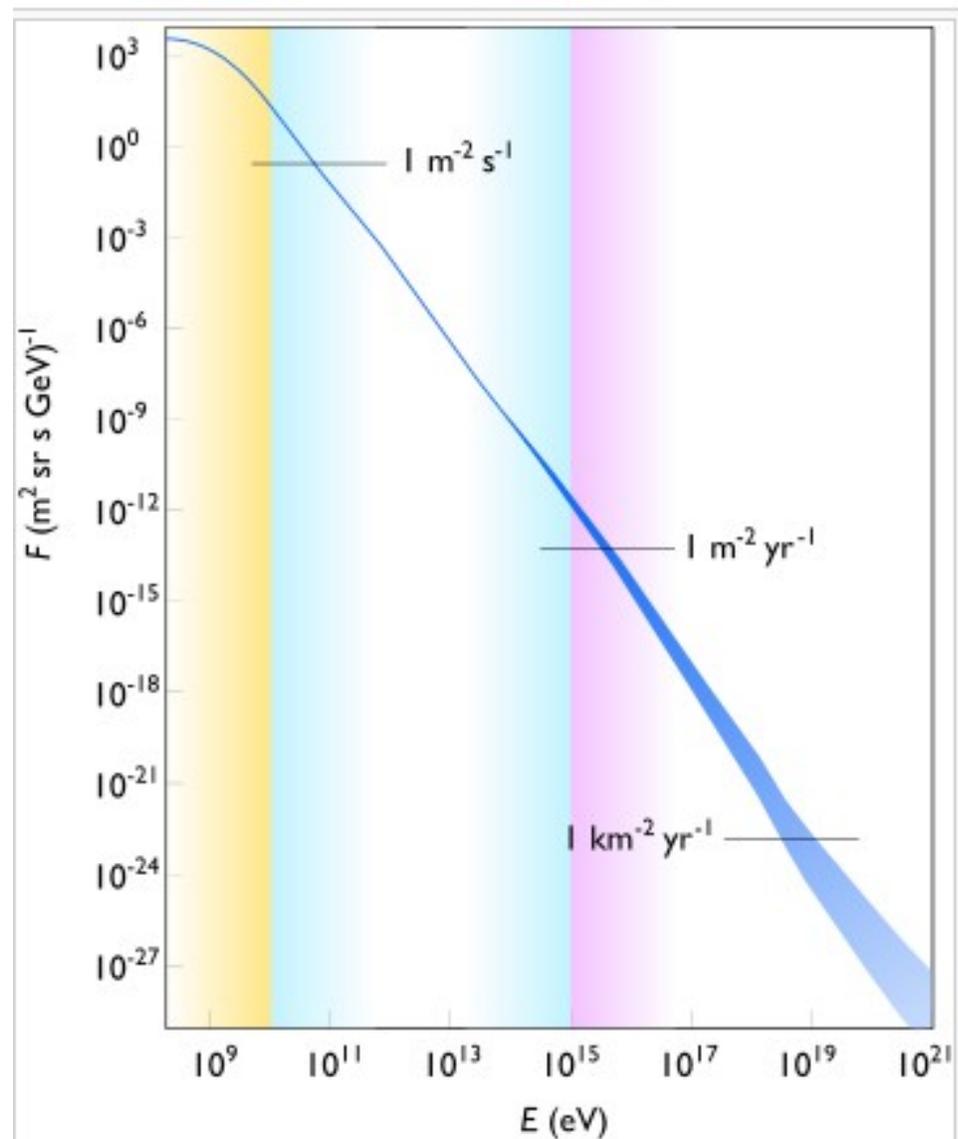


+200 KM
ISS, Earth
surroundongs



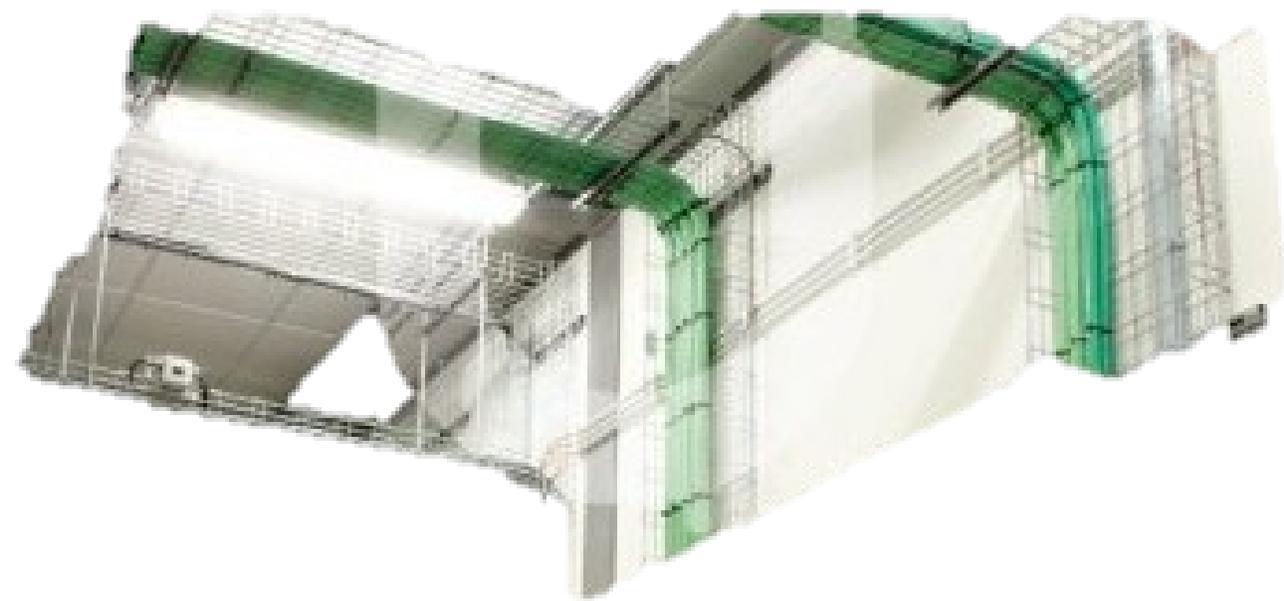
Millions and millions Km away
MARS

2000∞
CIENCIA



Cosmic ray flux versus particle energy





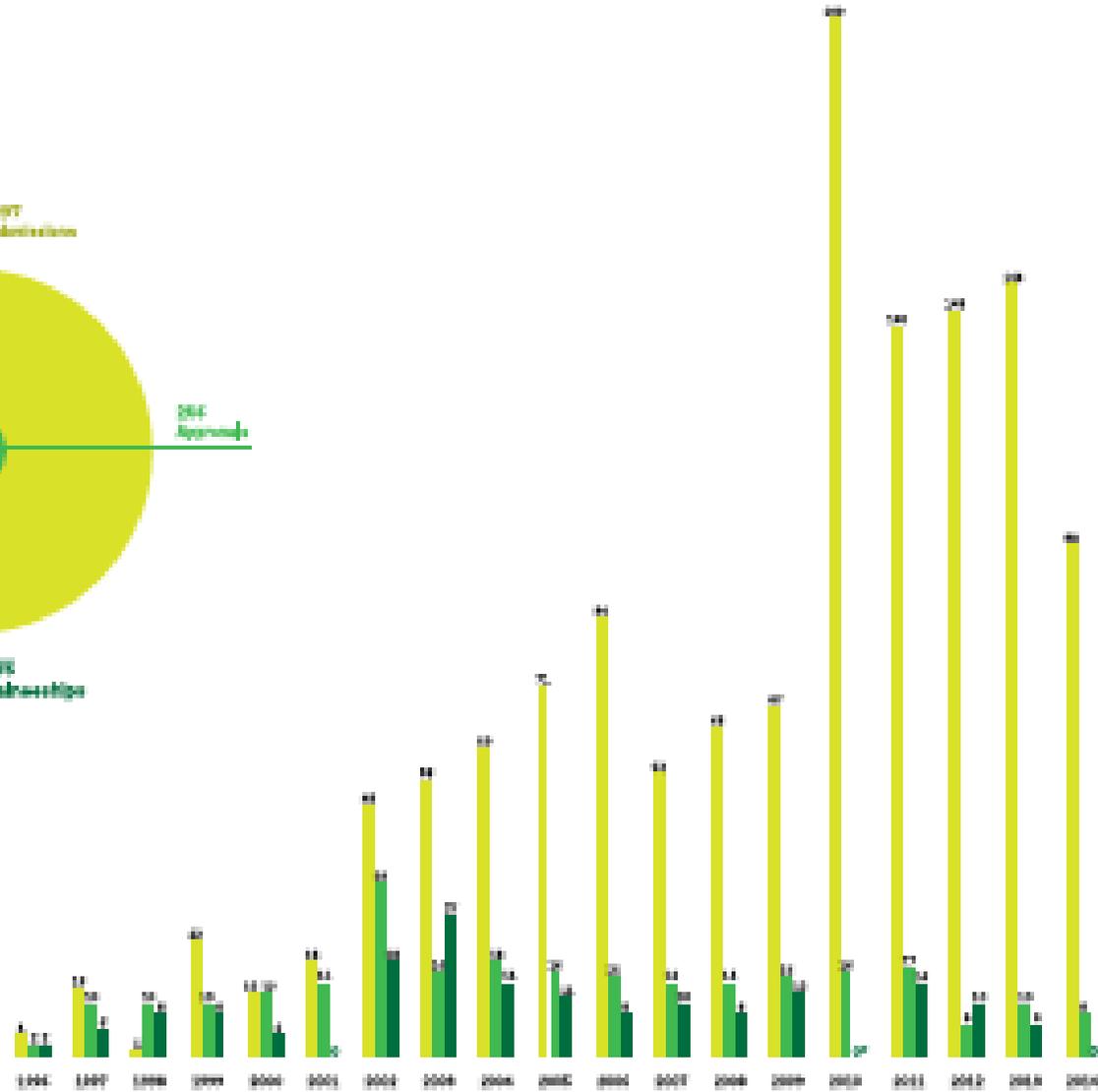
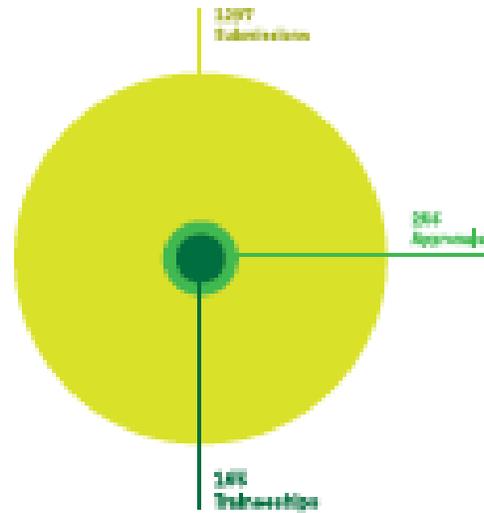


**HIGHLIGHTS OF THE
PORTUGUESE TRAINEESHIP
PROGRAMME AT
CERN, ESA AND ESO**

FCT

Fundação para a Ciência e a Tecnologia
financia a educação superior

CERN



Some items were approved before technologies started the subsequent year.
The difference between approvals and technologies means contributions by the organization or by the candidate.



A.SILVA MATOS
METALOMECÂNICA SA

The portuguese industry at cern...



LABORATORIO DE INSTRUMENTAÇÃO E FÍSICA EXPERIMENTAL DE PARTÍCULAS