



LIP – breve apresentação

(de Mário Pimenta)
Lisboa, Agosto 2019

// O LIP hoje

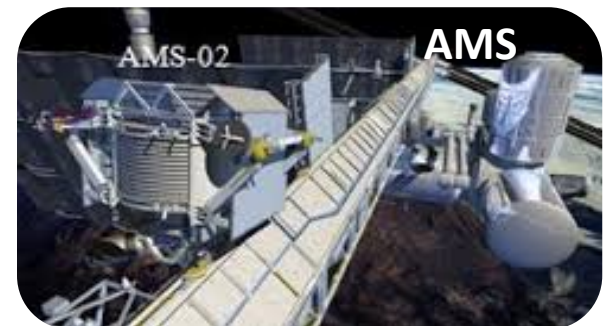
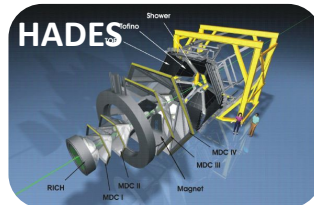
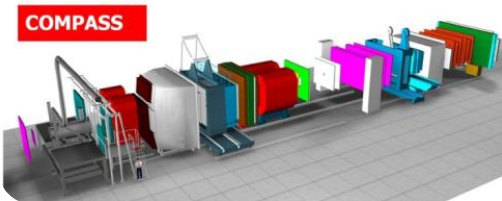
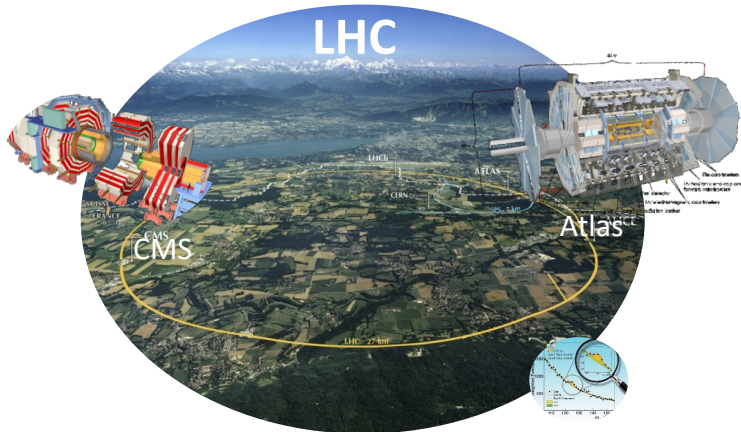


Coimbra, Lisboa e Minho

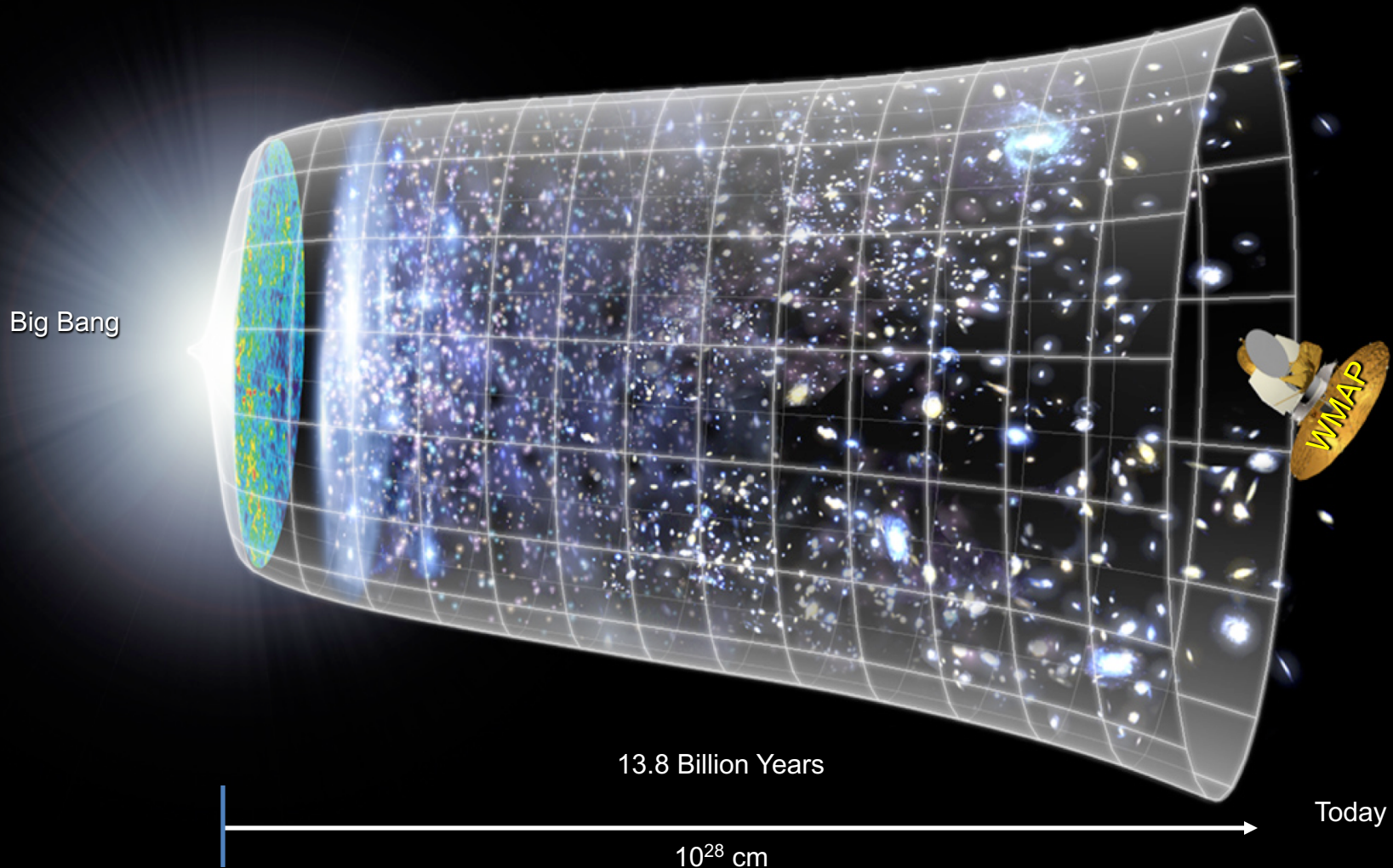
- ~ 200 membros
- ~ 90 doutorados
- ~ 75 estudantes
- ~ 25 engenheiros e técnicos
- 7 administrativos

- Física Experimental de Partículas e Astropartículas
- Desenvolvimento de novos Instrumentos e Métodos
- Computação Científica

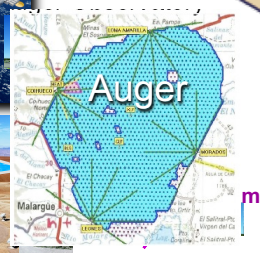
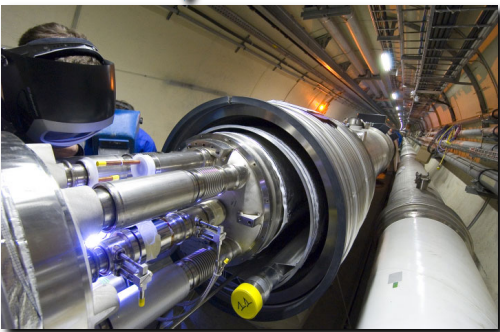
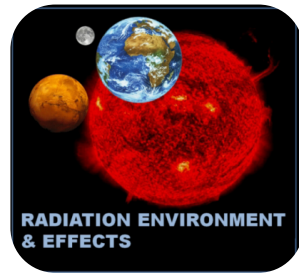
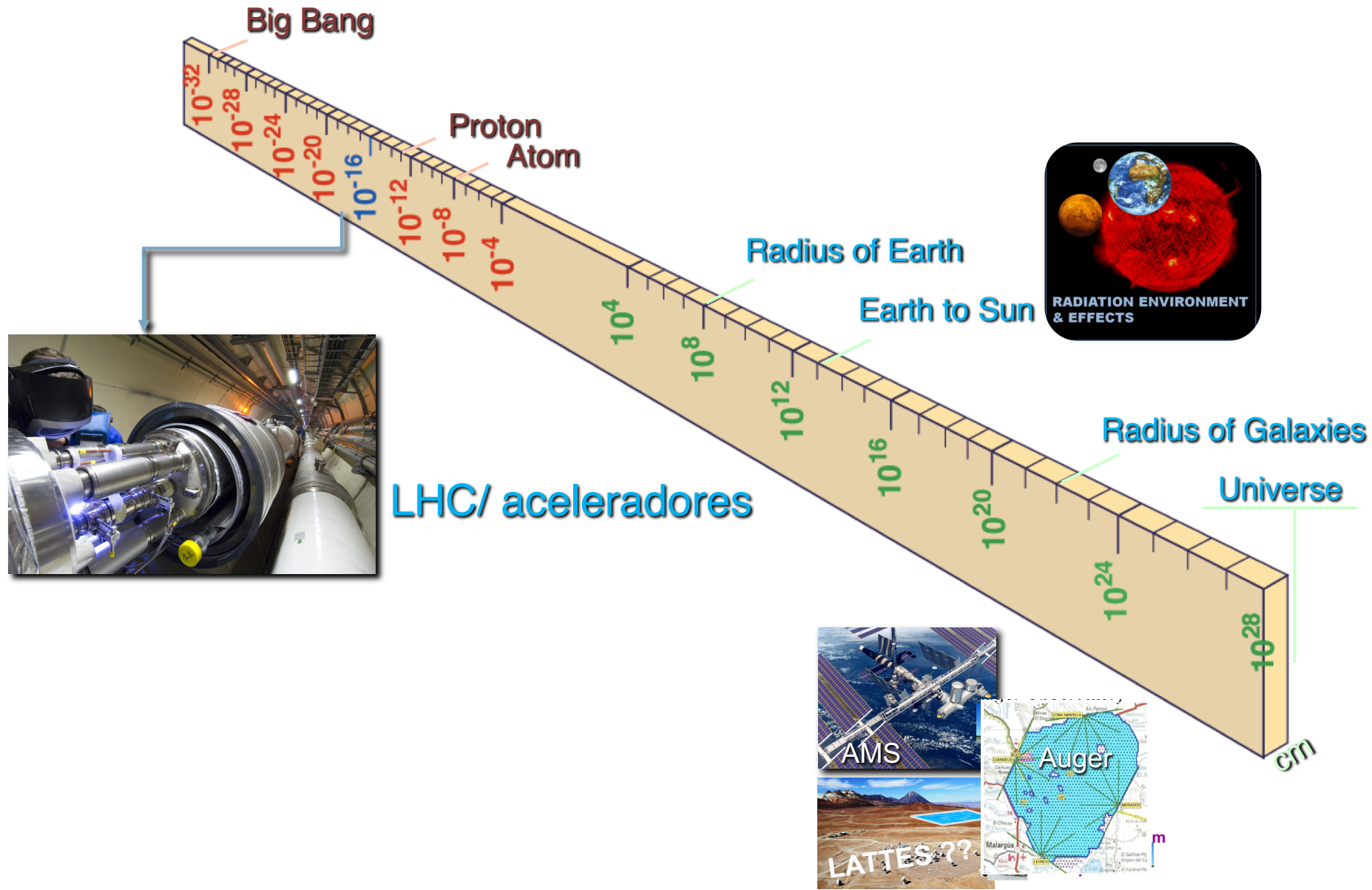
// Do CERN/GSI à pampa argentina, do fundo das minas ao espaço, ...



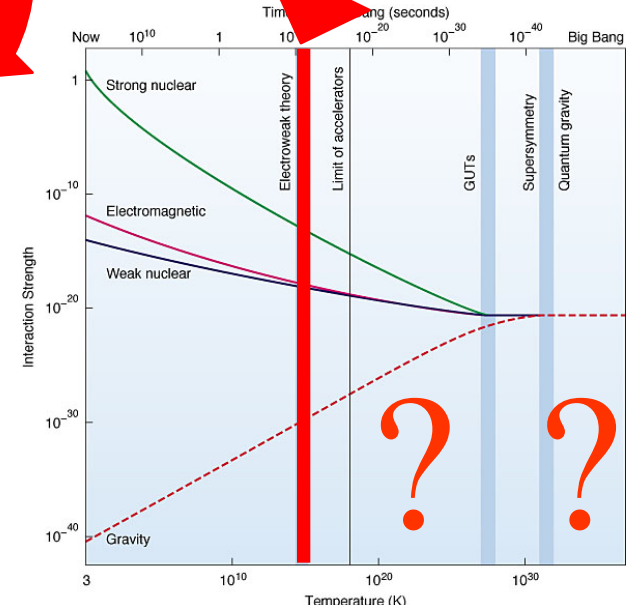
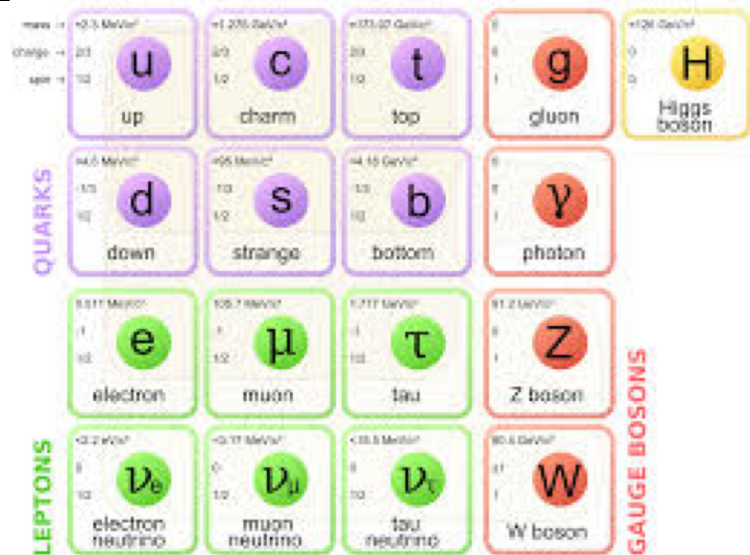
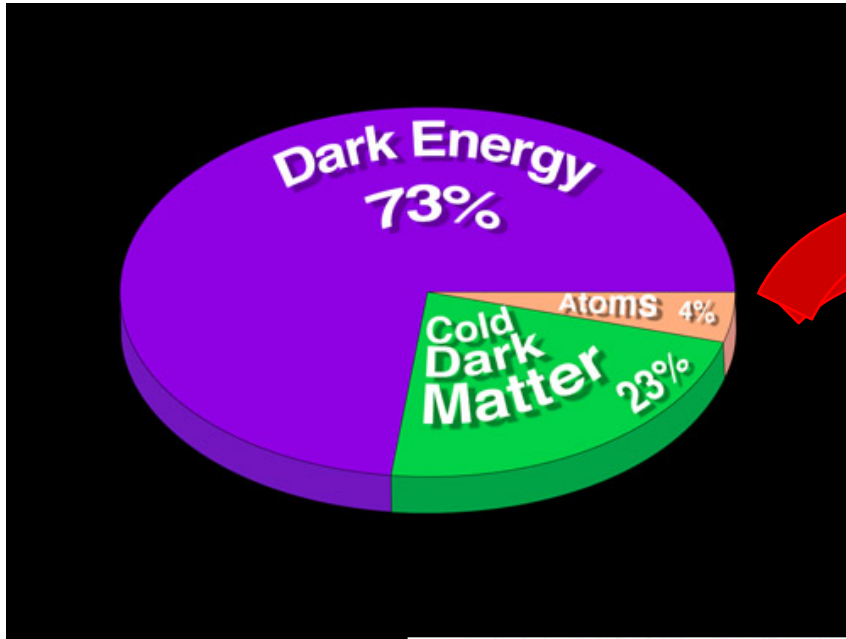
// O Universo para compreender, ...



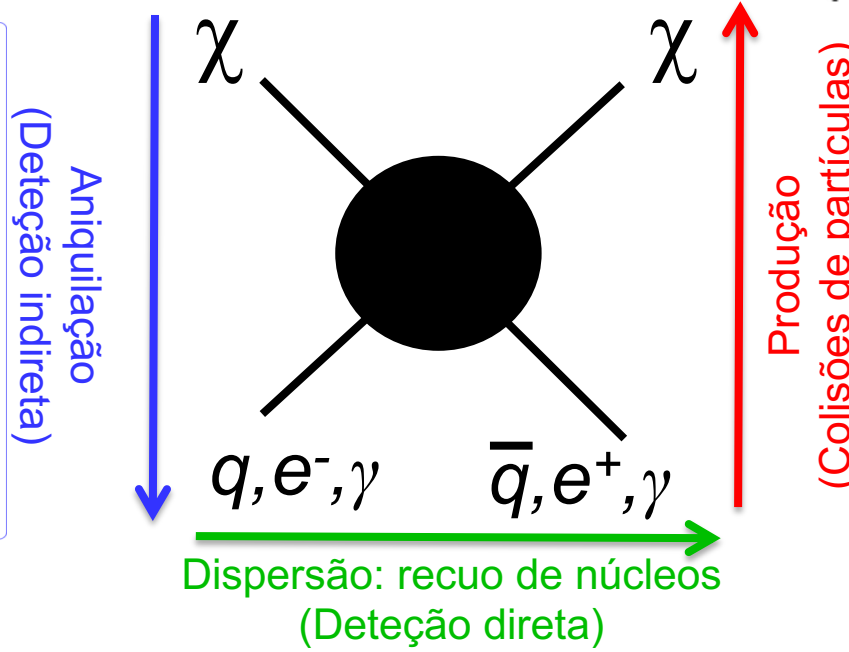
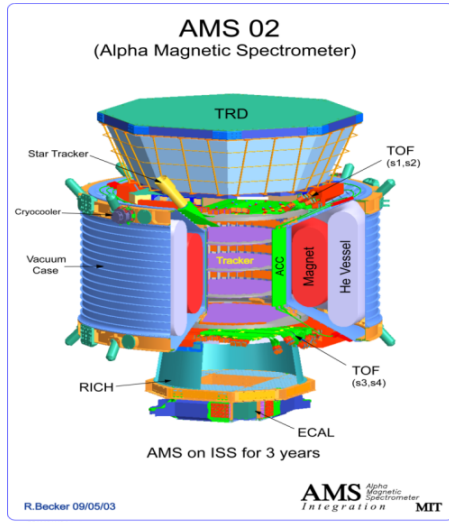
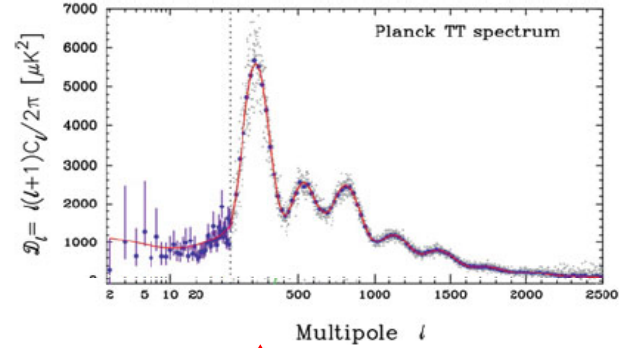
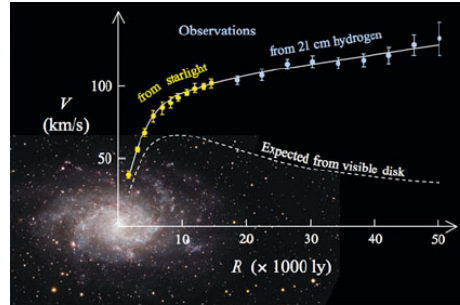
//Escalas, ...



//Fronteiras do nosso (des)conhecimento ...



//Matéria Escura



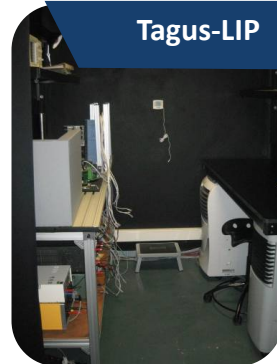
// Infraestruturas de investigação em Portugal



Oficina Mecânica
LIP-Coimbra



LOMAC



Tagus-LIP



E-CRLab



NCG - Lisboa



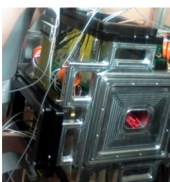
Laboratório de detectores
LIP-Coimbra

// I&D em detetores e instrumentação

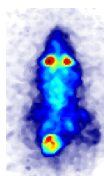
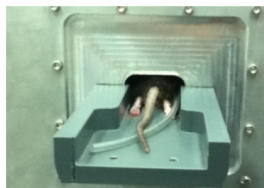
Detetores RPCs



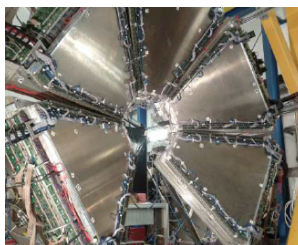
para a pampa,



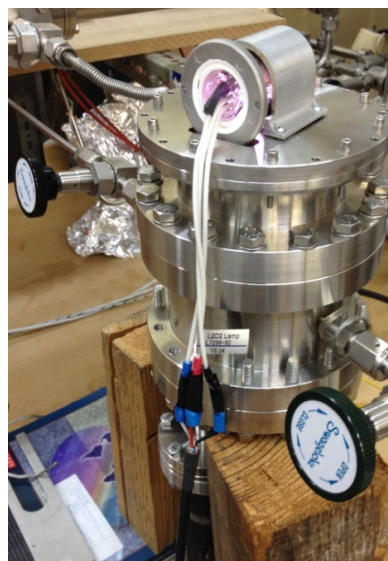
para PET animal e humano,



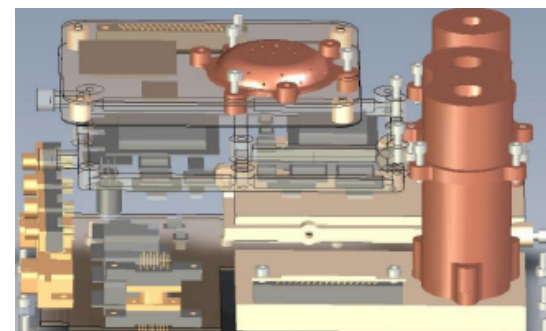
para a Física de partículas



Detetores Xenon



Detetores de radiação em missões espaciais



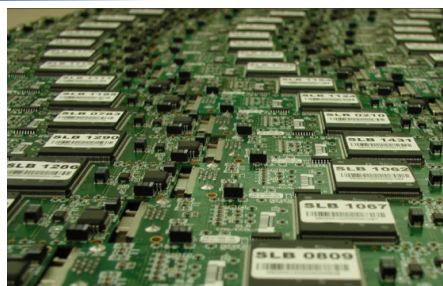
RADEM – Radiation hard electron monitor (LIP: desenho do detetor de direção)

Clear-PEM



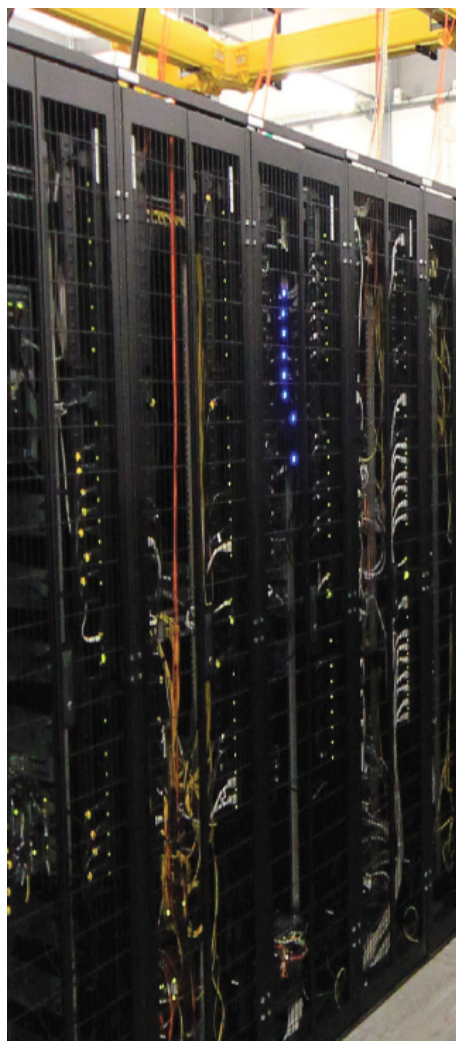
Consórcio nacional liderado pelo LIP

Eletrónica digital

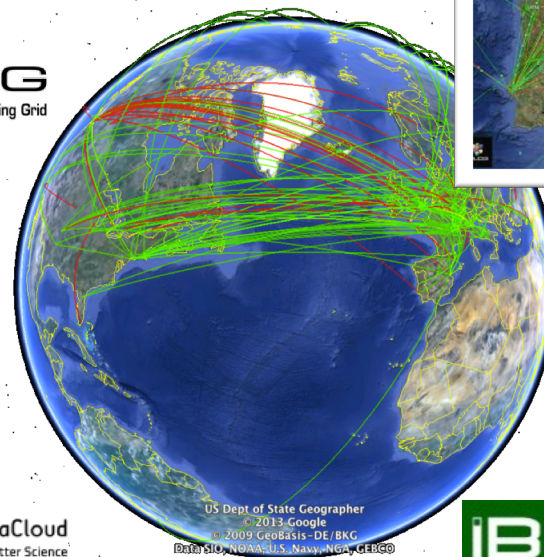


// Computação Científica

- I&D em tecnologias de informação
- Participação em infraestruturas digitais e consórcios internacionais
- Apoio à comunidade científica



INDIGO - DataCloud
Better Software for Better Science

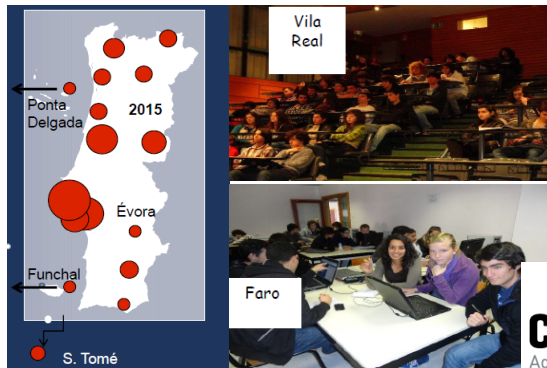


Infraestrutura
Nacional de
Computação
Distribuída



// Ciência e sociedade

Masterclasses



Escolas de Professores no CERN em Língua Portuguesa

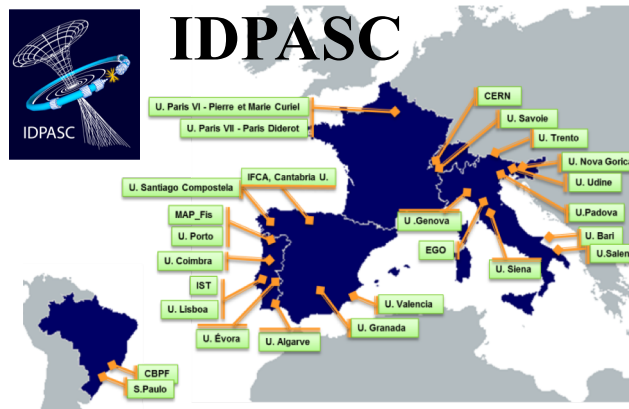


CIÊNCIA VIVA
Agência Nacional para a Cultura Científica e Tecnológica

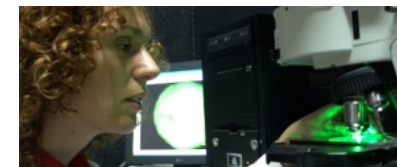
Estágios de Verão



Formação avançada: redes de doutoramento



daephys



U. Aveiro, U. Coimbra
U. Lisboa (FCUL) U.
Nova de Lisboa