



LIP – breve apresentação

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Lisboa, Setembro 2017

(*)baseado numa apresentação de Mário Pimenta

// O LIP hoje



Coimbra, Lisboa e Minho

~ 200 membros

~ 90 doutorados

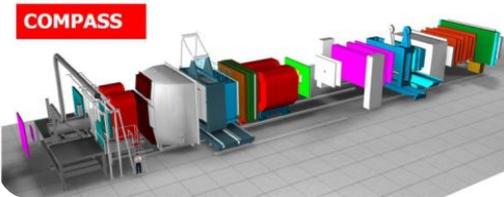
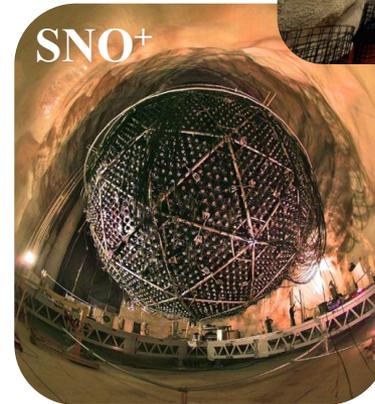
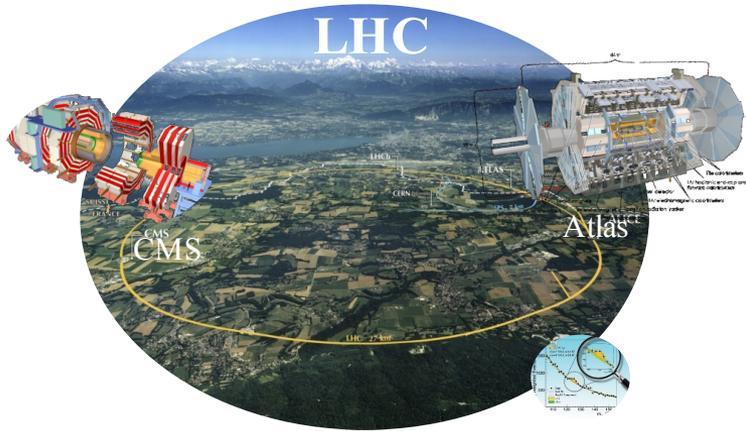
~ 75 estudantes

~ 25 engenheiros e técnicos

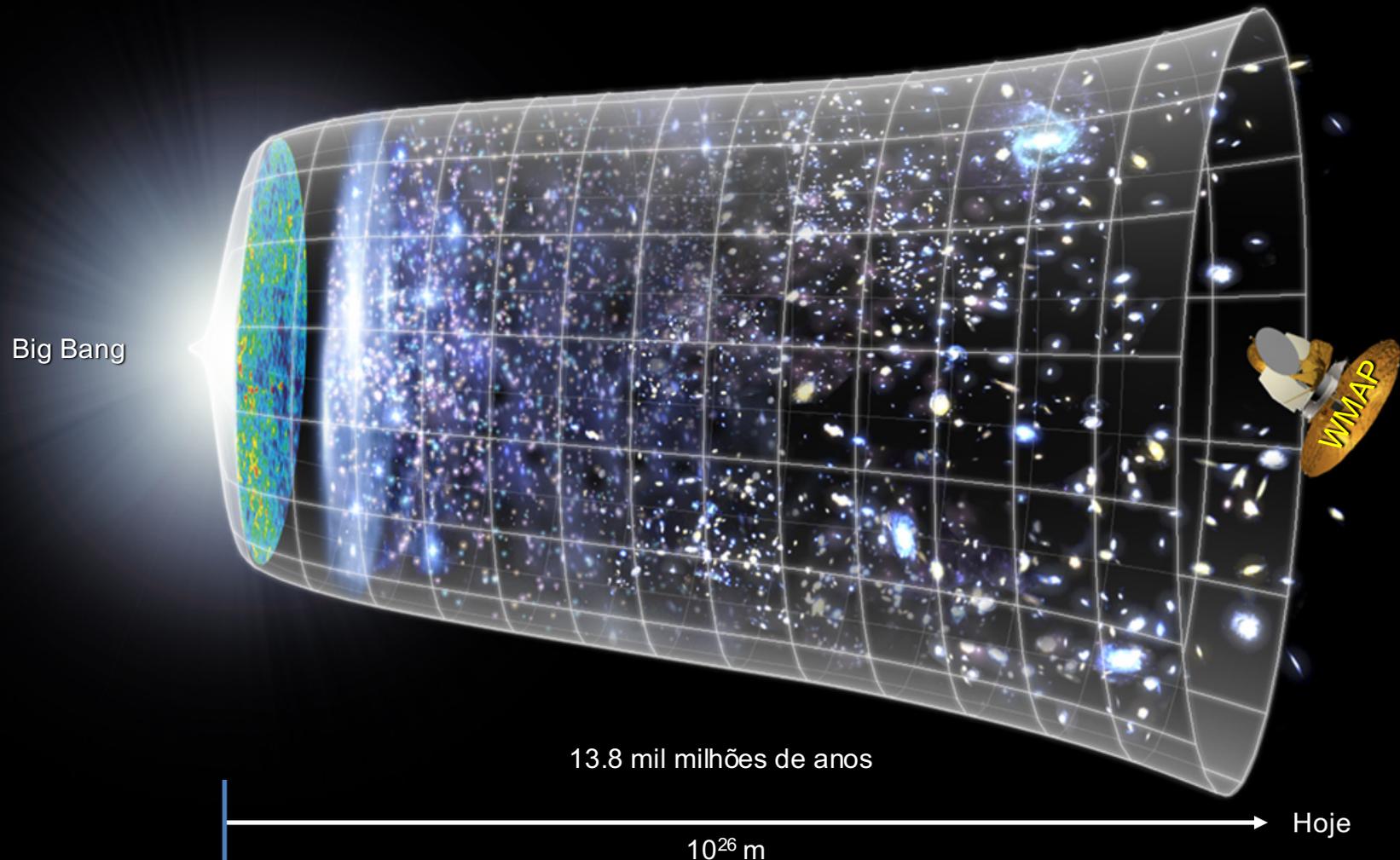
7 administrativos

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

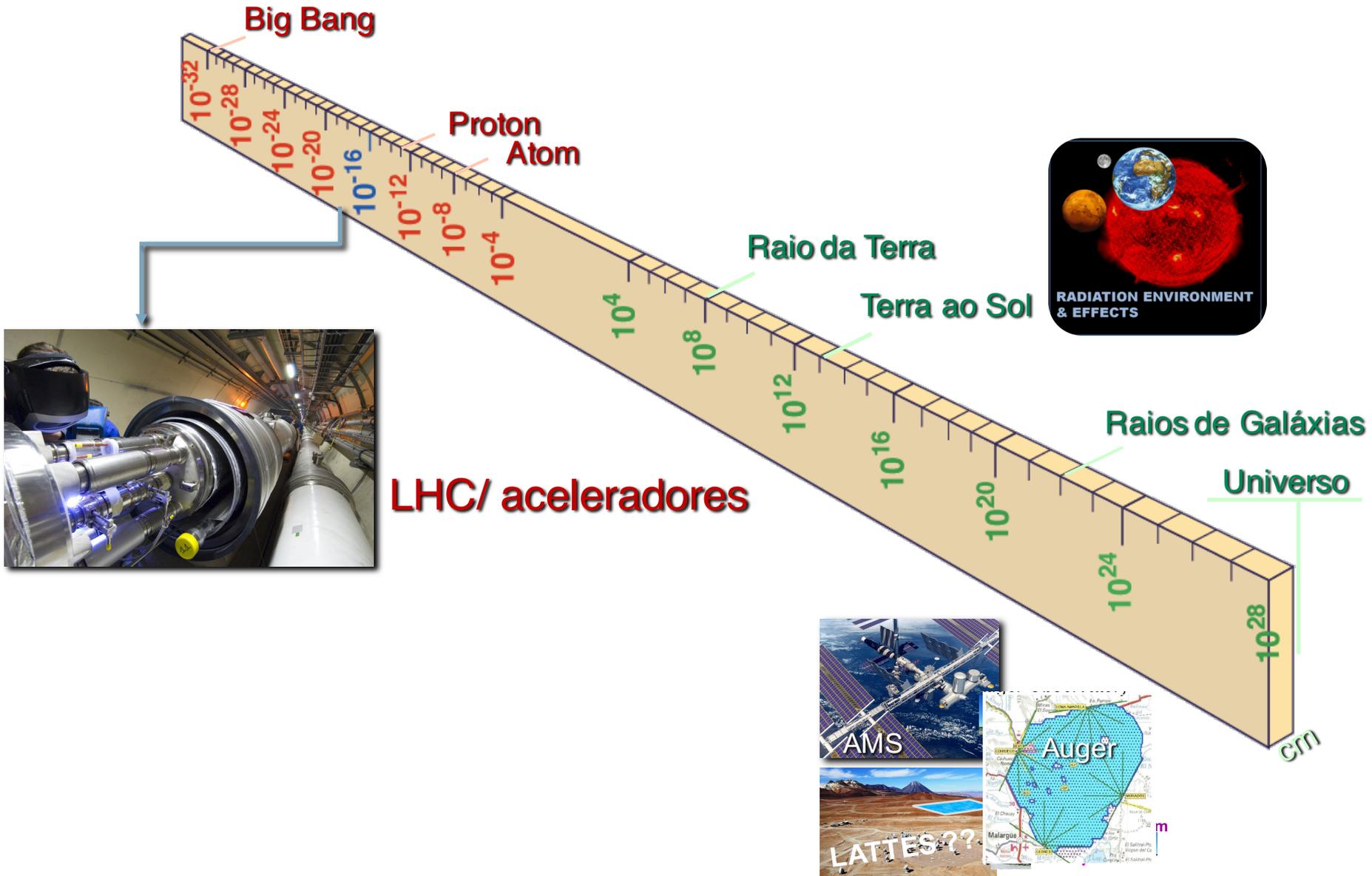
// Do CERN/GSI à pampa argentina, do fundo das minas ao espaço, ...



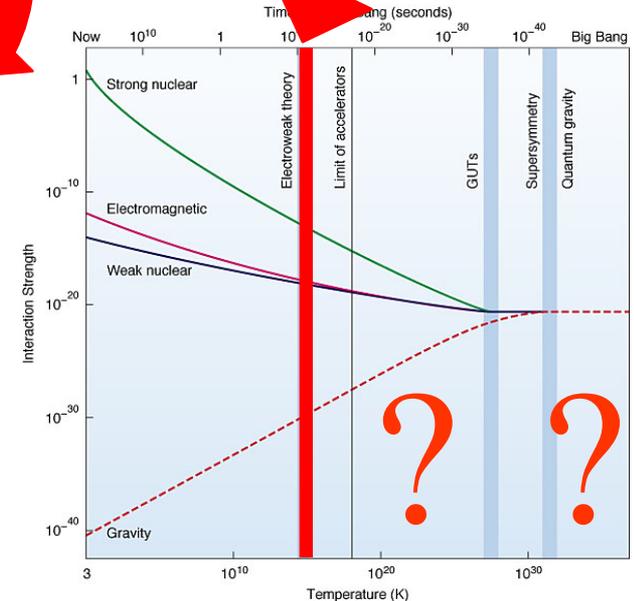
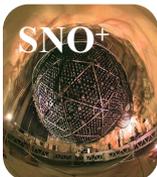
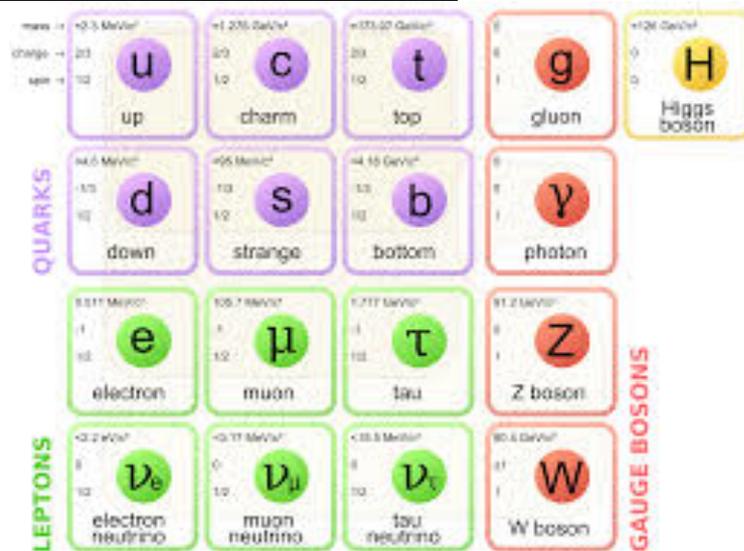
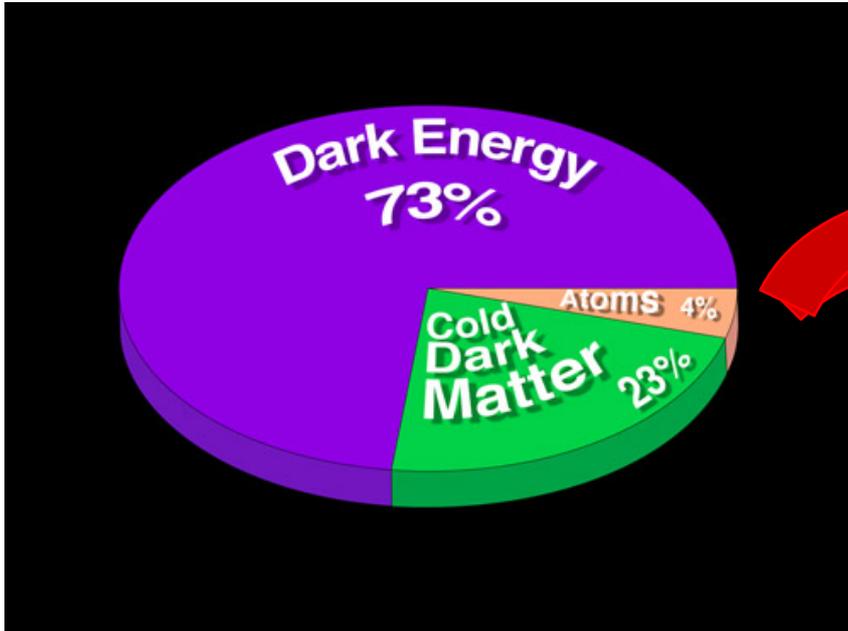
// O Universo para compreender, ...



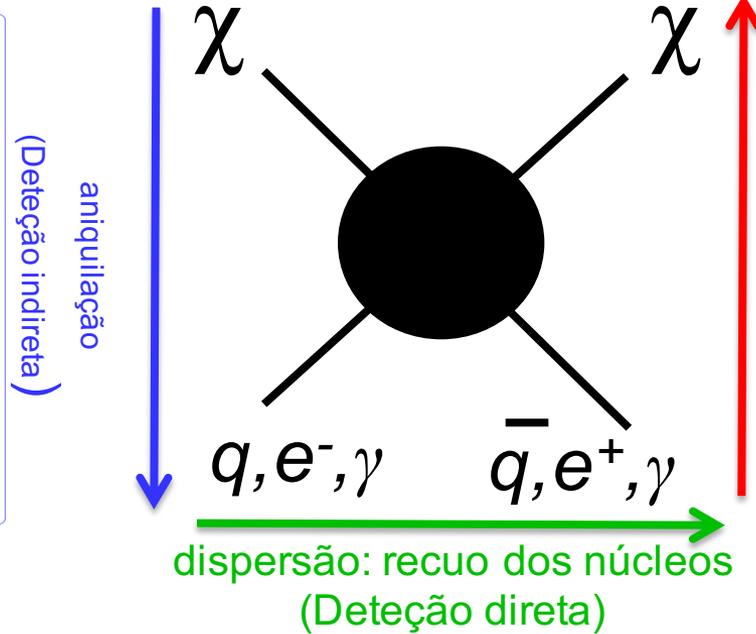
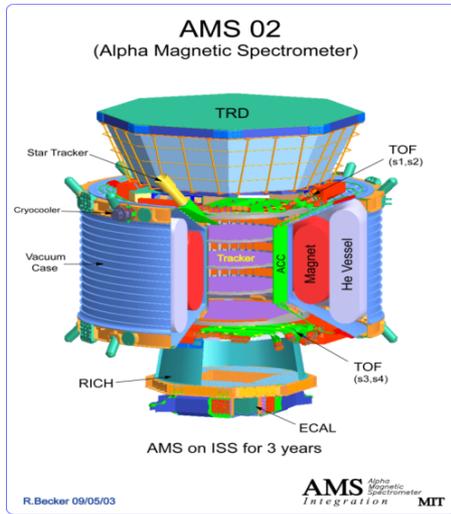
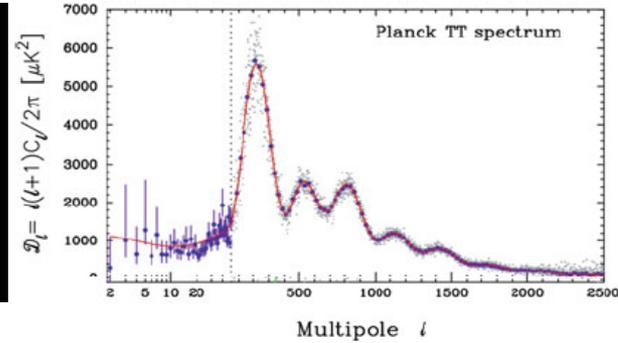
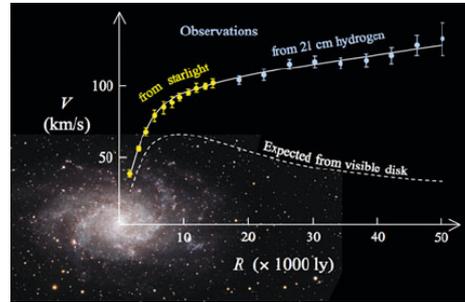
//Escala, ...



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



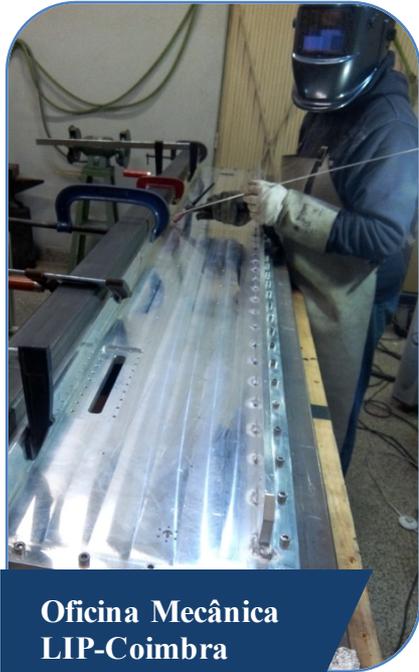
// Matéria Escura



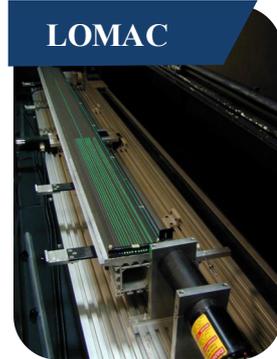
produção (Aceleradores de partículas)



// Infraestruturas de investigação em Portugal



Oficina Mecânica
LIP-Coimbra



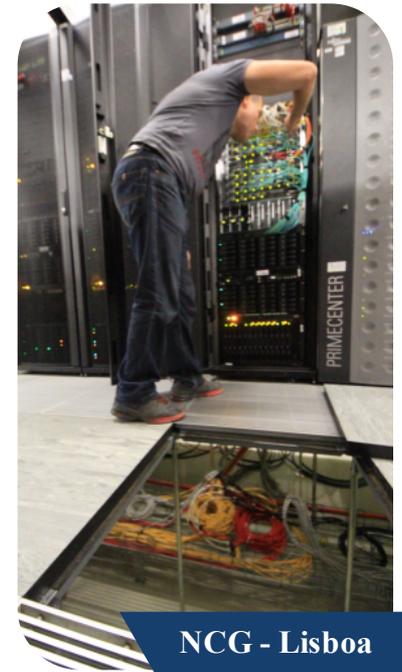
LOMAC



Tagus-LIP



E-CRLab



NCG - Lisboa



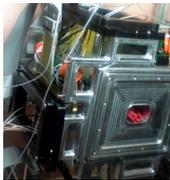
Laboratório de detectores
LIP-Coimbra

// I&D em detectores e instrumentação

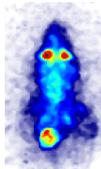
Detectores RPCs



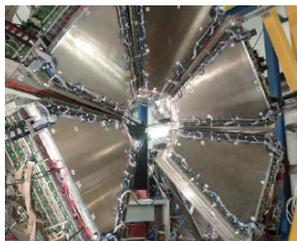
para a pampa,



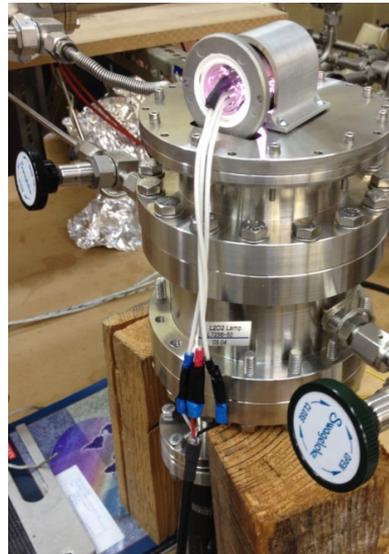
para PET animal e humano,



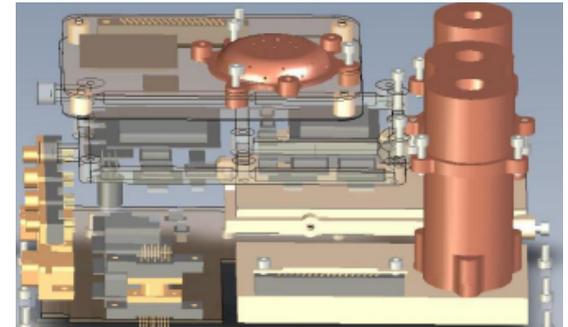
para a Física de partículas



Detectores Xenon



Detectores de radiação em missões espaciais



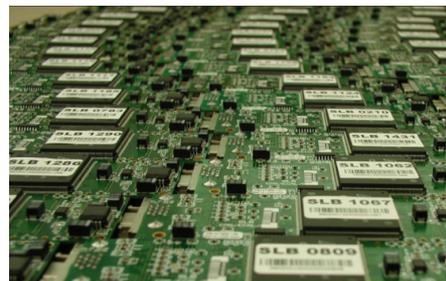
RADEM – Radiation hard electron monitor (LIP: desenho do detector de direcção)

Clear-PEM



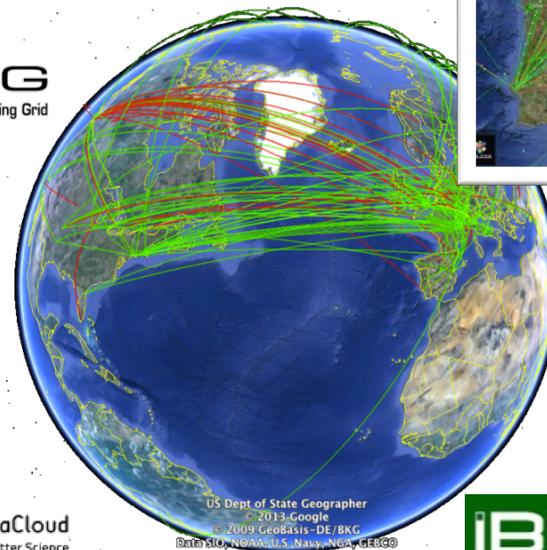
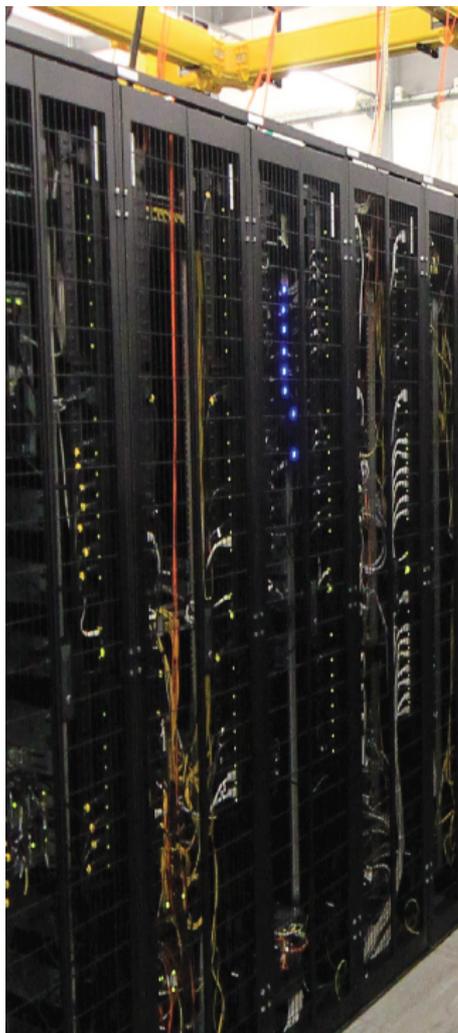
Consórcio nacional liderado pelo LIP

Electrónica digital



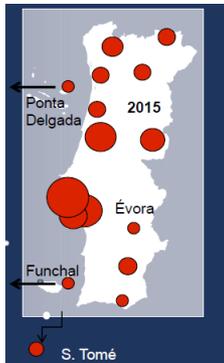
// Computação Científica

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



// Ciência e sociedade

Masterclasses



CIÊNCIA VIVA
Agência Nacional para a Cultura Científica e Tecnológica

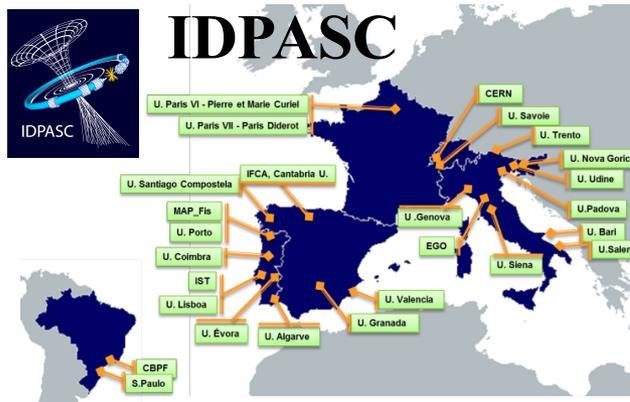
Escolas de Professores em Língua Portuguesa no CERN



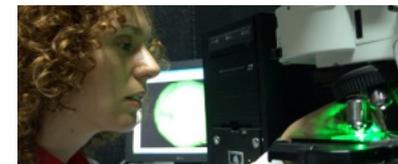
Estágios de Verão



Formação avançada: redes de doutoramento



daephyS



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