

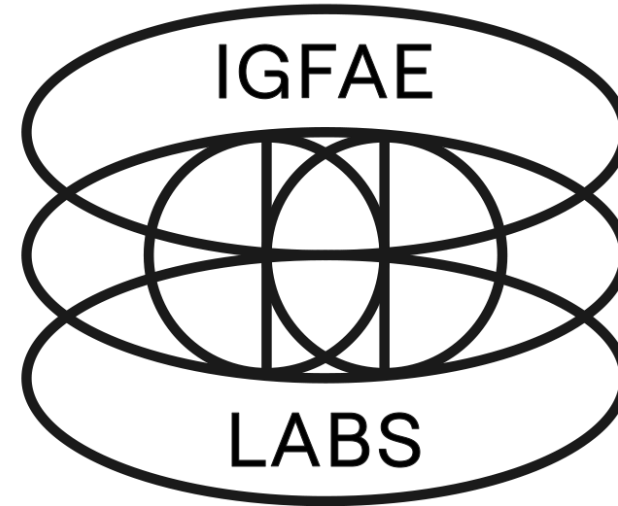
27th IPPOG meeting

Madrid, April 24th 2024



IGFAE

LABS



Manuel Rey

Communication Officer
Galician Institute of High Energy Physics
(IGFAE)



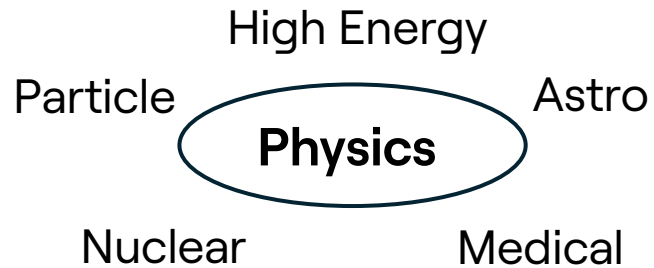
Who we are?





Founded in 1999

 25 years in 2024 



Involved in
CERN (LHCb)
Pierre Auger
LIGO
GSI-FAIR
etc.

**Based in Santiago de Compostela,
(Galicia - NW Spain)**

Joint Center



EXCELENCIA
MARÍA
DE MAEZTU

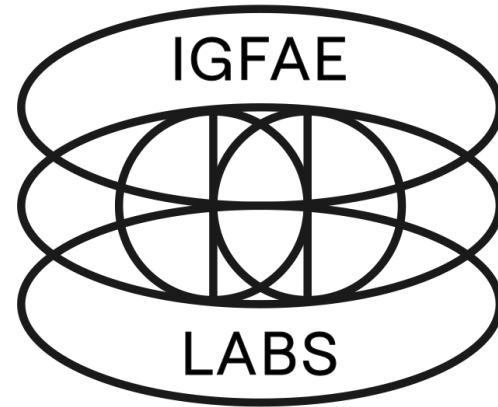
2017-2021
2023-2027



New headquarters by the end of 2024!



Why



?

As a result of the 2017-2022 strategic plan, thanks to the María de Maeztu accreditation of excellence.

OBJECTIVE

to focus our scientific work towards the RRI principles (Responsible Research & Innovation) getting closer to society and specially to the IGFAE's immediate environment (Santiago de Compostela & Galicia).

IGFAE.01
ART.LAB

IGFAE.02
EDU.LAB

IGFAE.03
TECH.LAB

Within the framework of this strategy, three lines of work are created. Each of them opens spaces for dialogue with external actors and IGFAE partners

igfae.usc.es/labs

IGFAE . 02
EDU . LAB

02.EDU.L

AB

IGFAE . 03
TECH . LAB

03.TEC

IGFAE . 01
ART . LAB

01.ART.LA

.ES

IGFAE
USC . ES

IGFAE

ART LAB

A space for dialogue between art and science made up of IGFAE research staff and external collaborators.

Proposing and developing new ideas to encourage conversations between the two disciplines.

Building bridges between society and the research community through different artistic expressions, promoting reflection, collaborations and research spaces at this intersection, as well as the use of imagination and creative thinking.

ART LAB



Cosmoloxías (2019)

Credit | Elena Mora



ART LAB

O sonho musical dos mapas celestes (2021)



Credit | Elena Mora



ART LAB

Transfronteirizas: conversas de arte e ciencia

(2020 -

14 events
+40k views

TRANS FRONTEIRIZAS
conversas de arte e ciencia

Rosa Montero

José Edelstein
investigador IGFAE

15 maio
20:00

bit.ly/IGFAEyoutube

igfae.usc.es

TRANS FRONTEIRIZAS
conversas de arte e ciencia

José Gordon

José Edelstein
investigador IGFAE

22 xuño
20:00

youtube.com/igfae

igfae.usc.es

TRANS FRONTEIRIZAS
conversas de arte e ciencia

Ricardo Gurriarán

Cibrán Santamarina
investigador IGFAE

22 setembro
19:00

bit.ly/ricardogurriaranIGFAE

igfae.usc.es

TRANS FRONTEIRIZAS
conversas de arte e ciencia

Javier Ruibal

José Edelstein
investigador IGFAE

27 outubro
20:00

bit.ly/javierruibalIGFAE

igfae.usc.es

TRANS FRONTEIRIZAS
conversas de arte e ciencia

Alejandro Dolina

José Edelstein
investigador IGFAE

12 novembro
20:00

bit.ly/alejandrodolinaIGFAE

igfae.usc.es

TRANS FRONTEIRIZAS
conversas de arte e ciencia

José Ignacio Latorre

Javier Mas
investigador IGFAE

17 decembro
18:00

bit.ly/latorreIGFAE

igfae.usc.es

07

José Edelstein
Investigador IGFAE

Conversa con:

Marta Macho Stadler

<http://bit.ly/martamachoIGFAE>

25.02.2021
20:00 h.

IGFAE ART.LAB

08

José Edelstein
Investigador IGFAE

Conversa con:

Anna R. Figueiredo

<http://bit.ly/annafigueiredoIGFAE>

08.04.2021
20:00 h.

IGFAE ART.LAB

09

José Edelstein
Investigador IGFAE

Conversa con:

Agustín Fernández Mallo e Guillermo Martínez

<https://bit.ly/fdez-mallomartinezIGFAE>

18.11.2021
20.00h.

IGFAE ART.LAB

10

José Edelstein
Investigador IGFAE

Conversa con:

Estibaliz Espinosa Gastón Giribet

<http://bit.ly/transfronteirizas10>

Auditorio da Facultade de Ciencias da Comunicación da USC

19.05.2022
19:00 h.

IGFAE ART.LAB

13

José Edelstein
Investigador IGFAE

Conversa con:

Olga Osorio e Tamar Novas

<https://bit.ly/osorionovasIGFAE>

13.09.2023
19.00 h.

IGFAE ART.LAB

14

José Edelstein
Investigador IGFAE

Conversa con:

Alan Sokal

<https://bit.ly/AlanSokalIGFAE>

09.11.2023
20.00 h.

IGFAE ART.LAB

ART LAB

And much more to come!

**Special concert with the Banda Municipal
de Música de Santiago de Compostela**
(June 27th 2024)



Credit | Concello de Santiago de Compostela



Arts at CERN



COMING SOON!

**Art exhibition in collaboration with
Arts at CERN, on the occasion of
its 70th anniversary
(and our 25th birthday)**

EDU LAB

Exchange and co-creation with the educational community where IGFAE scientific staff, teachers & students come together to launch new collaborative projects.

EduLab aims to produce innovative, more attractive and stimulating ways of educating about scientific topics related to Physics, especially those closer to the research carried out at the IGFAE.

This forum promotes initiatives to support the teaching activity, which also awaken scientific vocations among young people, offering their first experiences in the field of research.

Cloud Chamber Workshop for Teachers



IGFAE USC XUNTA DE GALICIA

Paso 2: Instalación do sistema de refraxeración

- Paneis laterais con orifícios
- Ventiladores
- Sistema de refraxeración con tubos e parafusos

Tubo lateral de refraxeración
Tubo de refraxeración cara ao lado
Orificio no lado oposto aos ventiladores

IGFAE USC XUNTA DE GALICIA

Paso 3: Instalación da fonte de alimentación

- Peza impresa para apoio da fonte de alimentación
- Fonte de alimentación
- Parafusos

Peza impresa
Fonte de alimentación

Paso 4: Instalación da cuberta superior

- Parafusos métrica 5 (M5) de 10 mm (6 unidades)
- Guias de 450 mm (1 unidade), 160 mm (2 unidades)
- Esquinais (2 unidades)

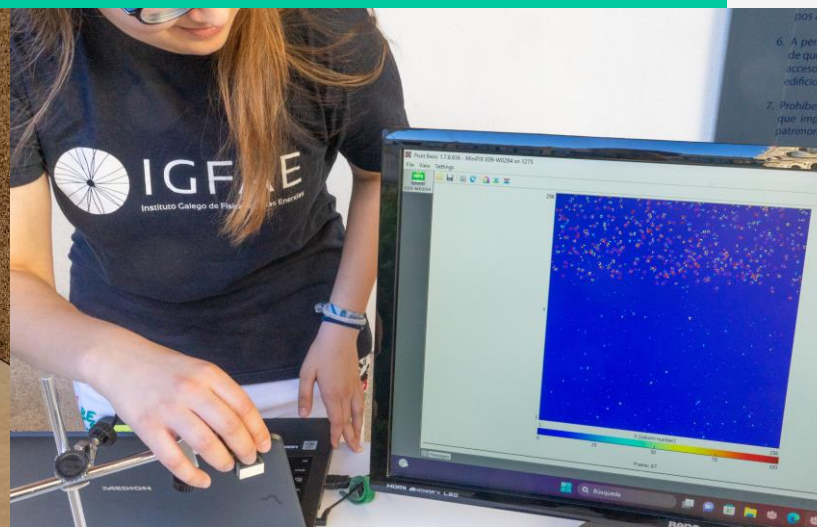
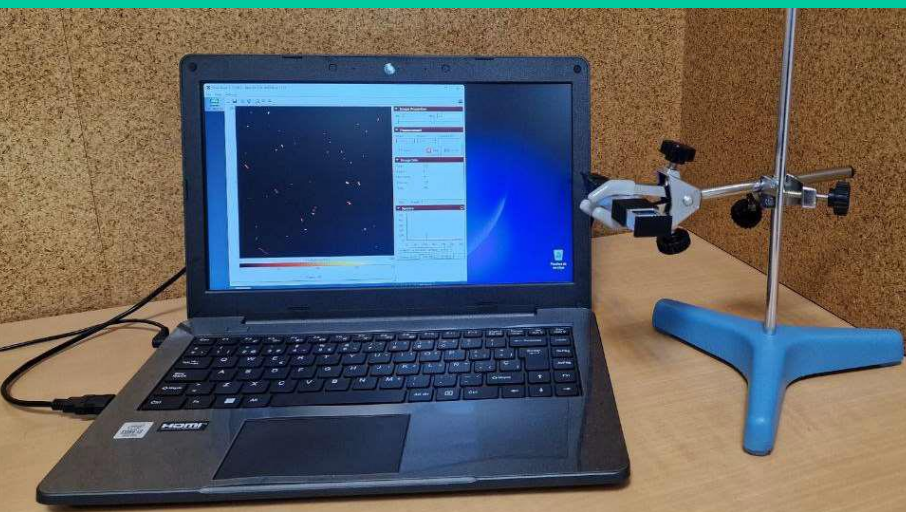
M5 x 10 mm
450 mm
160 mm
Orificio no lado oposto aos ventiladores

EDU LAB

MEDRA Project

The first research experience in particle physics for high school students

+100 students
+20 research projects



TECH LAB

Workshops & exchanges with industry to stimulate collaborative innovation and the exploitation of IGFAE knowledge and results, as well as a tool for IGFAE research staff to explore career opportunities in the sector.

A space for transferring the results of the research carried out at the IGFAE to the economy and society.

Cooperation with partners from science and research, as well as with actors from business and industry, associations, and networks.

Make our scientific and technical know-how and our infrastructure available through our research and contract work offer.

TECH LAB

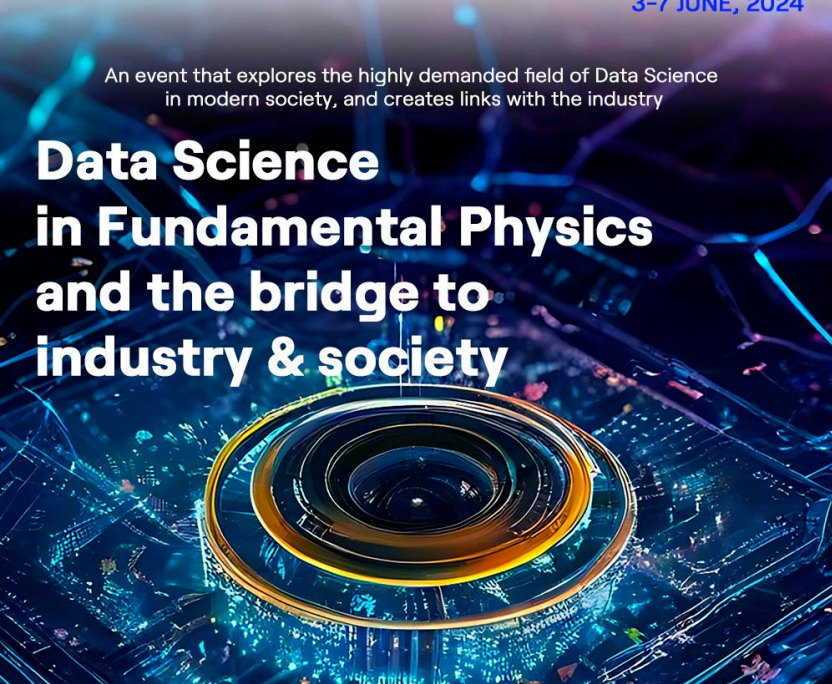
Centro de Estudos Avanzados | Parque de Vista Alegre

SANTIAGO DE COMPOSTELA, GALICIA, SPAIN

3-7 JUNE, 2024

An event that explores the highly demanded field of Data Science in modern society, and creates links with the industry

Data Science in Fundamental Physics and the bridge to industry & society



School (3-5 June)

Symposium (6-7 June)

PARTICIPANT COMPANIES & INSTITUTIONS

ALTA	CITIUS	DEUS	LIP	SDG GROUP
AREA SCIENCE PARK	CLARITY AI	DTX	MESTRELAB	SPAIN AI
CEGID	COMPLEXITY SCI HUB	IGFAE	NAVANTIA	TRIPLE ALPHA
CESGA	DATA LIFE	INDITEX	NOW SYSTEMS	and more...

REGISTRATION DEADLINE: MAY 13TH

igfae.usc.es/datascience2024

indico.cern.ch/e/datascience2024

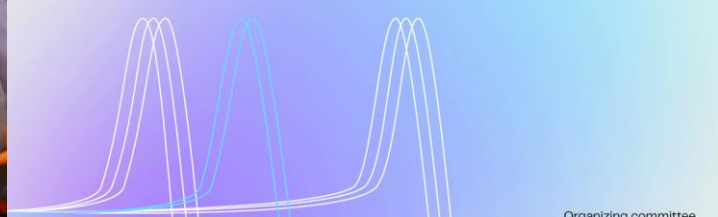


Partners

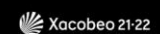


Workshop on Technologies & applied research at the future Galician proton-therapy facility

Santiago de Compostela | May 9-10, 2023



Organizing committee
 Antonio Fernández Prieto
 Dolores Cortina Gil
 Iris García Rivas
 José Benlliure Anaya
 Pablo Cabanelas Eiras
 Pablo Vázquez Regueiro



Fondo Europeo de Desenvolvemento Rexional "Unha maneira de facer Europa"

THANKS!

communication@igfae.usc.es



igfae_hep



IGFAE

Instituto Galego de Física de Altas Enerxías



**XUNTA
DE GALICIA**

