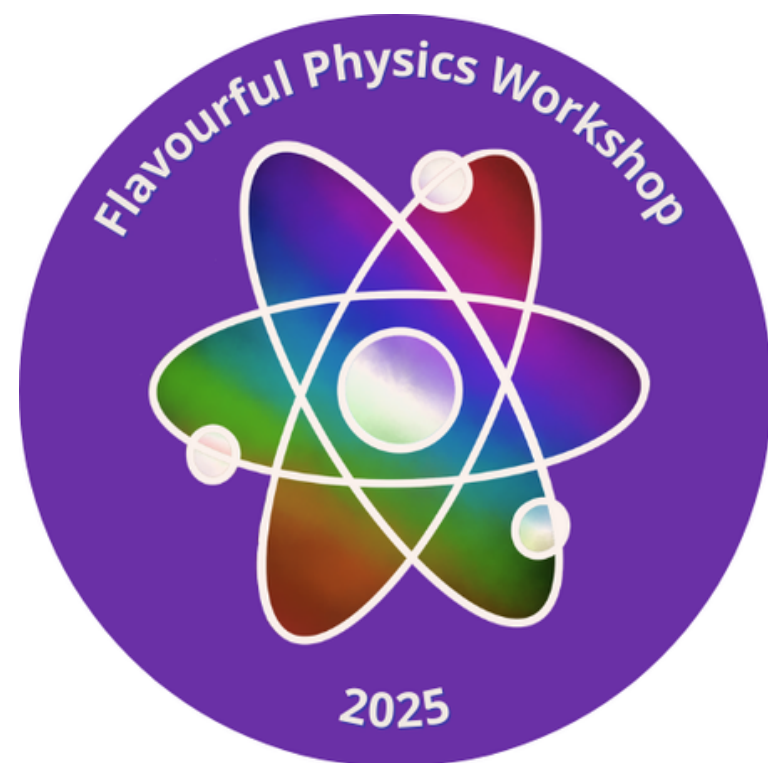


# FLAVOURFUL PHYSICS WORKSHOP



Gen=T

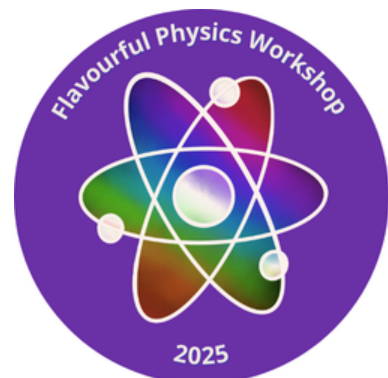
VNIVERSITAT DE VALÈNCIA Departament de Física Atòmica, Molecular i Nuclear

diversitats

VNIVERSITAT DE VALÈNCIA  
Vicerectorat d'Igualtat, Diversitat i Polítiques Inclusives

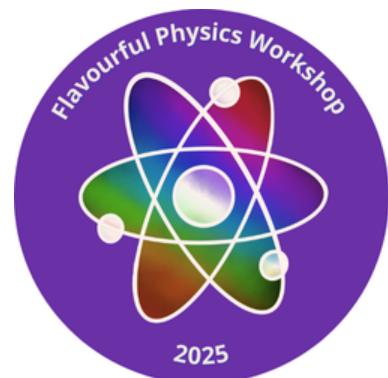
IFIC | cid  
INSTITUT DE FÍSICA CORPUSCULAR





This workshop would not have been possible without the aid of:

- The ATLAS group and the AHEP group of IFIC, in particular S. Martí García (PID2021-124912NB-I00 grant), V. De Romeri (GVA Research Project CIDEXG/2022/20) and M. Tortola Baixauli (PROMETEO grant CIPROM/2021/054)
- The Comisión de Igualdad y Diversidad (CID) of the IFIC, with the Distintivo de Igualdad of CSIC
- The IFIC (CSIC - UV), the University of Valencia (+ Diversitats & Vicerectorat d'Igualtat, Diversitat i Polítiques Inclusives) and the CSIC
- The IFIMED secretariat, the IFIC secretariat, administration and IT departments



... and the organizing committee!

Agnese Tolino

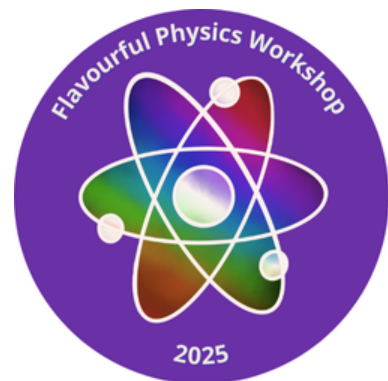
Ana Martín Galán

Josu Hernández García

Neus López March

Pokhee Saharia

Sonja Orrigo



Sergio Pastor Carpi,  
Vicedirector IFIC and CSIC researcher





VNIVERSITAT  
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CSIC  
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



EXCELENCIA  
SEVERO  
OCHOA

2024-2030

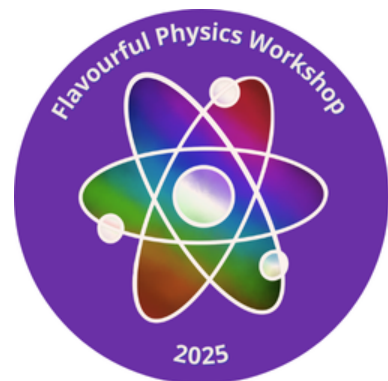
# Welcome!



IFIC is one of the oldest Spanish institutes in Experimental Physics (1950) and **the first one studying particle and nuclear physics**

Now devoted to **experimental** and **theoretical** research in **Nuclear**, **Particle** and **Astroparticle Physics**, and applications such as Medical Physics (personnel ~380)

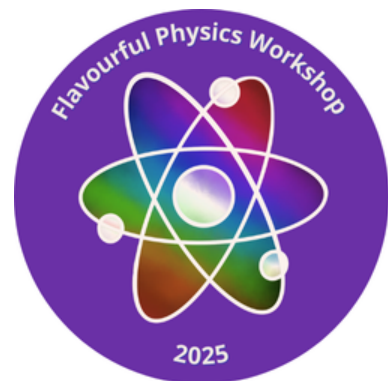
- **Origin of mass:** understanding the fundamental laws of physics
- **Origin of matter:** understanding the Universe
- **Advanced instrumentation & computing:** from fundamental physics to society



Sylvia Martínez Gallego,  
Vicerectora d'Igualtat, Diversitat i Polítiques Inclusives

VNIVERSITAT  
DE VALÈNCIA

Vicerectorat d'Igualtat, Diversitat  
i Polítiques Inclusives



Sonja Orrigo,  
CID coordinator and CSIC researcher





## Committee for Equality and Diversity

Aiming to eliminate any type of discrimination or harassment that may occur at the IFIC and to ensure equal opportunities for all its members

- IFIC is a research center with an international environment, made up of a diverse group of people from all over the world
- Promote equal opportunities and non-discrimination regardless of sex, sexual orientation, gender identity, age, professional or socio-economic status, disability or medical condition, physical appearance, nationality, racial or ethnic origin, religion, or family situation





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- Assist, in a strictly confidential manner, any member of the Institute who feels they are a victim of harassment, discrimination, or any type of inappropriate behavior
  - “CSIC protocol against sexual and gender-based harassment” – updated April 2024
  - “Protocol of the University of Valencia for action and response to sexual harassment, based on sex and other discriminatory harassment” – June 2021
- Raise awareness about the issue of stereotypes and unconscious bias

# Committee for Equality and Diversity

Initiatives promoted and supported by IFIC Directorate

**IFIC** INSTITUT DE FÍSICA CORPUSCULAR

**CSIC** CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

UNIVERSITAT DE VALÈNCIA



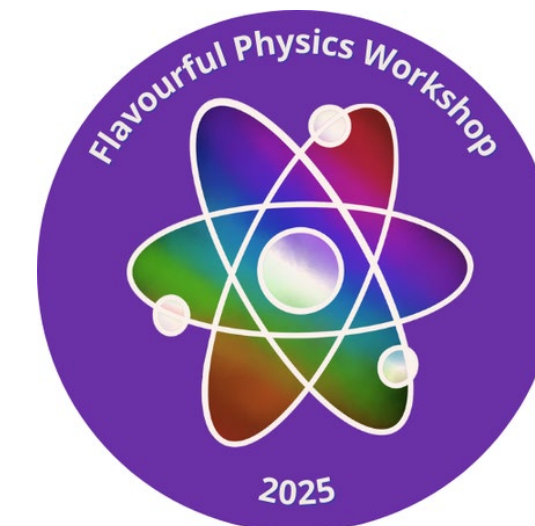
Using statistics to monitor imbalances



Contributing to CSIC/UV equality plans  
(work/life balance: teleworking, childcare, etc.)



Organizing meetings and events that  
promote discussion on gender,  
inclusion and diversity



## Committee for Equality and Diversity

All this work and commitment led IFIC to win the **"CSIC Equality Award"** in 2022

- Each year, one CSIC center receives this award (out of 124 centers!)





# Committee for Equality and Diversity

## Who we are



Neus López March

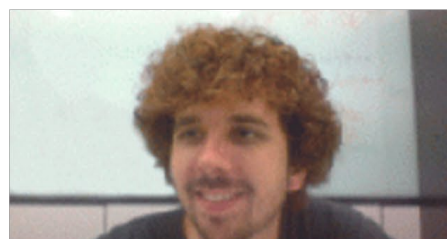


Sonja Orrigo

### Coordinators



Mariam Tórtola Baixauli



Miguel García Folgado



Víctor Montesinos Llácer



Ana Martín Galán



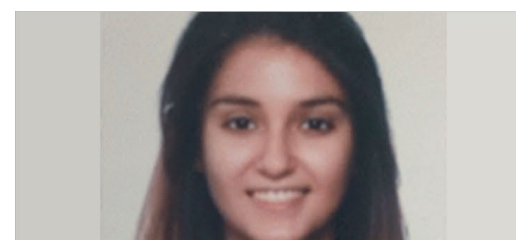
Emma Torró Pastor



Andrea Donini



Ángela Molina Ruiz



Marta Lanzac Berrocal



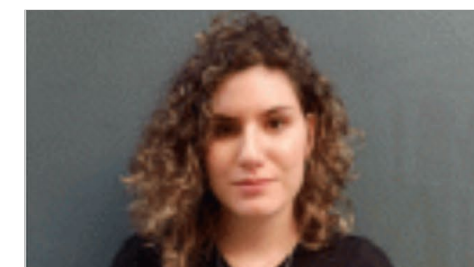
Ana Ros García



Emanuela Musumeci



Raquel Molina Peralta



Agnese Tolino



Azahara Rubio



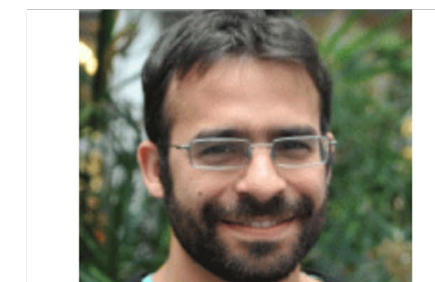
Rasmi Hajjar Muñoz



Susana Cabrera Urbán



Josu Hernández García



Bryan Zaldívar Montero



Pokhee Saharia



# Committee for Equality and Diversity

## Who we are



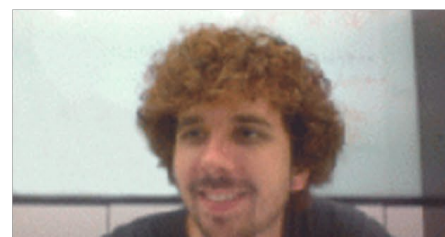
Neus López March



Sonja Orrigo



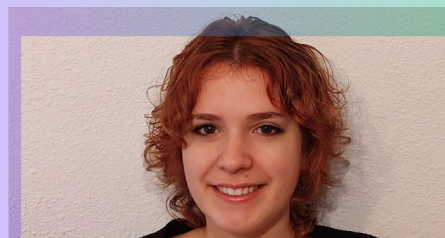
Mariam Tórtola Baixauli



Miguel García Folgado



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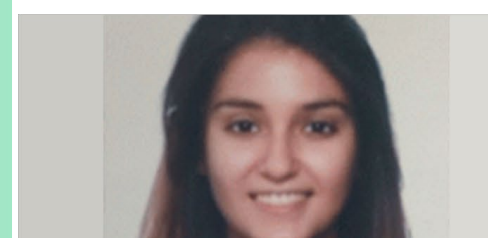
Emma Torró Pastor



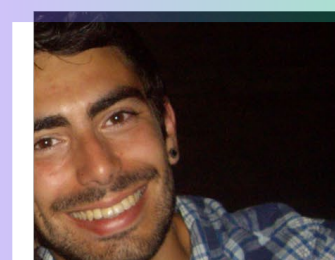
Andrea Donini



Ángela Molina Ruiz



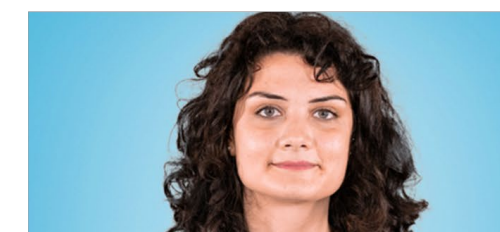
Marta Lanzac Berrocal



Josu Hernández García



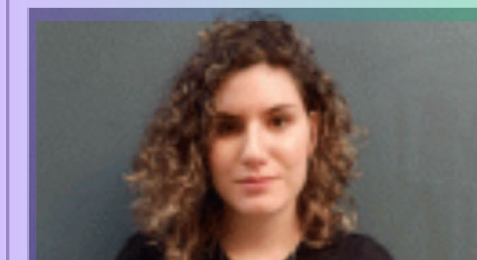
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Emanuela Musumeci



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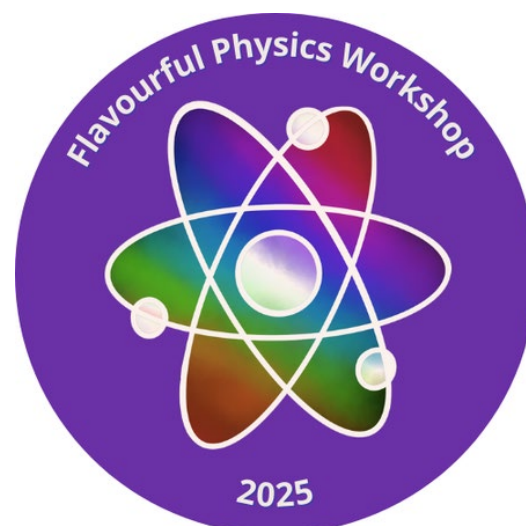
Azahara Rubio



Bryan Zaldívar Montero



Pokhee Saharia



Rasmi Hajjar Muñoz



Susana Cabrera Urbán



## Committee for Equality and Diversity



Marian Tórtola Balcells



Emma Torró Pastor

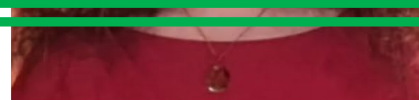


Ana Rus Gascía

Welcome & enjoy !!!



Neus López March



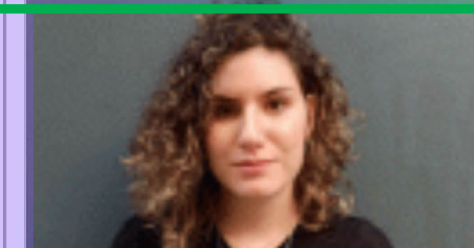
Sonja Orrigo



Ana Martín Galán



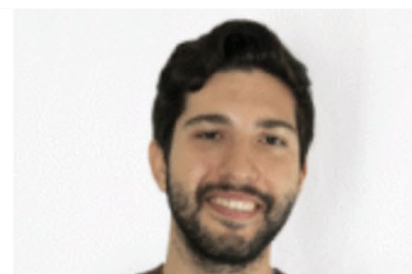
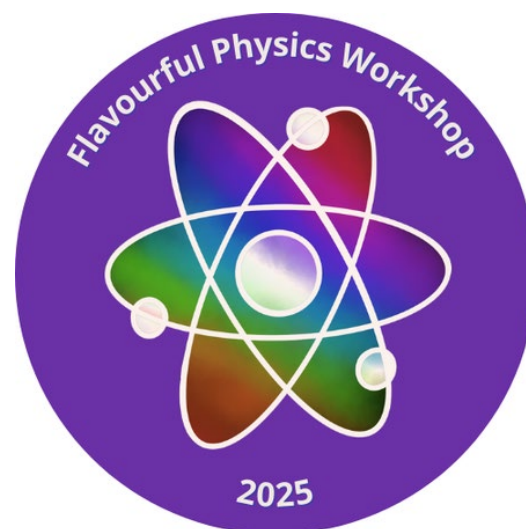
Marta Lanzac Berrocal



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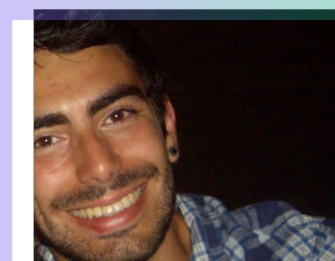
Azahara Rubio



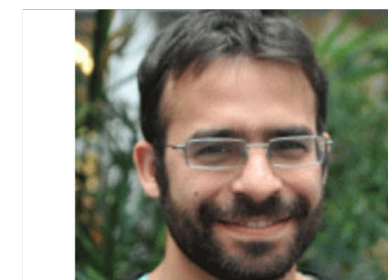
Rasmi Hajjar Muñoz



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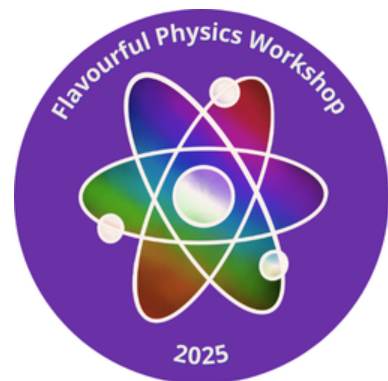


Bryan Zaldívar Montero

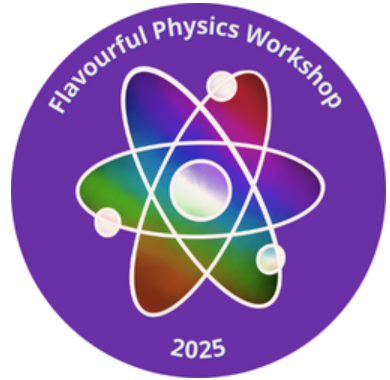


Pokhee Saharia





# Why do we need to address inclusion in academia?



Researchers in the LGBTQIA+ community often face **discrimination** regardless of the quality of their work

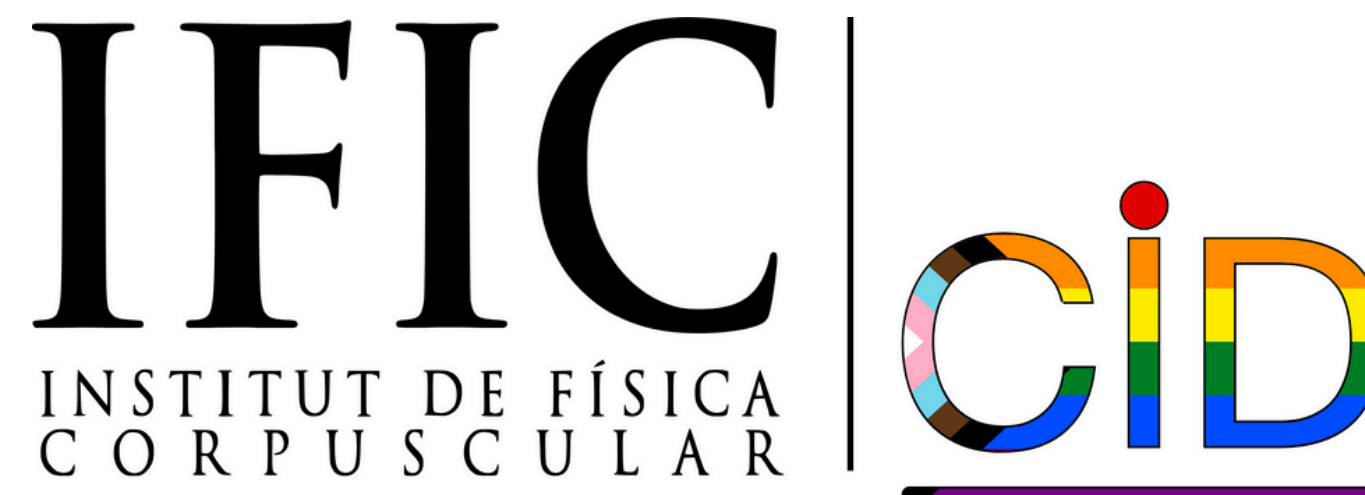
We need to promote **more inclusivity** in the particle, astroparticle & nuclear physics community

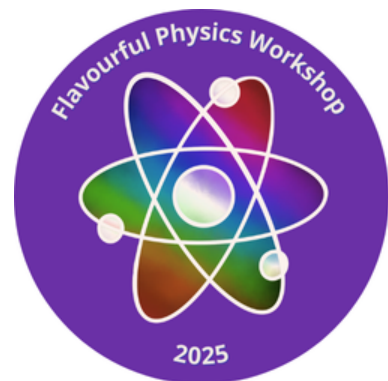


We need to fight discrimination and **promote researchers** who are actively working to **increase inclusion**, especially when it comes to the **LGBTQIA+** community, whose different flavours are still source of bias and prejudice

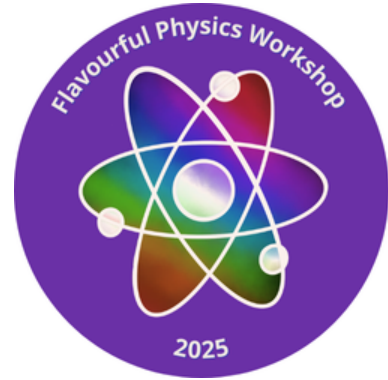


This is how the **Flavourful Physics** workshop was  
created,  
by an idea of the members of the Comisión de  
Igualdad y Diversidad (CID) of IFIC



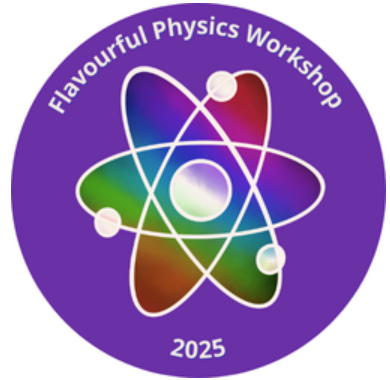


The workshop will feature Physics Talks given by researchers who are actively involved in inclusivity events and activities, or/and who are openly part of the LGBTQIA+ community






Speakers will present their research and, if they wish, share their perspectives or experiences on discrimination/inclusion in our fields

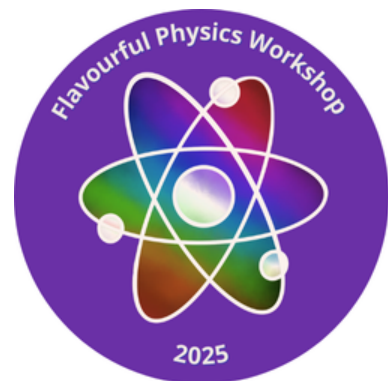




Alongside the more physics-oriented talks, there will be talks that focus on analysing the situation in academia and addressing some specific issues when it comes to the inclusion of the LGBTQIA+ community and what actions have been taken to tackle them



Time	Topic
9:00-9:30	Registration
9:30-10:15	Welcome session
10:15-10:45	The Higgs boson: a new window on the universe (Aidan Robson, Glasgow Univ.)
10:45-11:05	Diversity and inclusion at the University of Valencia (Sela Andreu, Diversitats UV)
11:05-11:35	Coffee Break 
11:35-12:05	AI & Astroparticles: Applying Machine Learning to Cosmic Ray Physics (Raffaella Bonino, UniTo)
12:05-12:35	Cosmic diversity: LGBTQ+ in Academia (David Vallés Pérez, UV)
12:35-13:05	Espectre Visible Exhibition (David Vallés Pérez, UV)
13:05-15:00	Lunch 
15:00-15:30	Dark matter, neutrino masses and queer science (Karen Macías Cárdenas, IFT)
15:30-16:00	Waiting points on type I x-rays burts (Selene Bárbara Parra Aedo, IFIC CSIC-UV)
16:00-16:30	Coffee Break 
16:30-17:30	Round table
17:30-18:00	Conclusion



**Enjoy the workshop!**