Institut de Física d'Altes Energies

Welcome Day

Newcomers

16th October 2024

Talking, tasting, Science and Mezcal

por Virginia Aranda

“(..) y la diosa Mayahuel fue desmembrada y comida por los demonios; Quetzacoatl, dolido ante la pérdida de su amor, plantó sus restos y de estos nació el maguey”

....Maguey grows from love

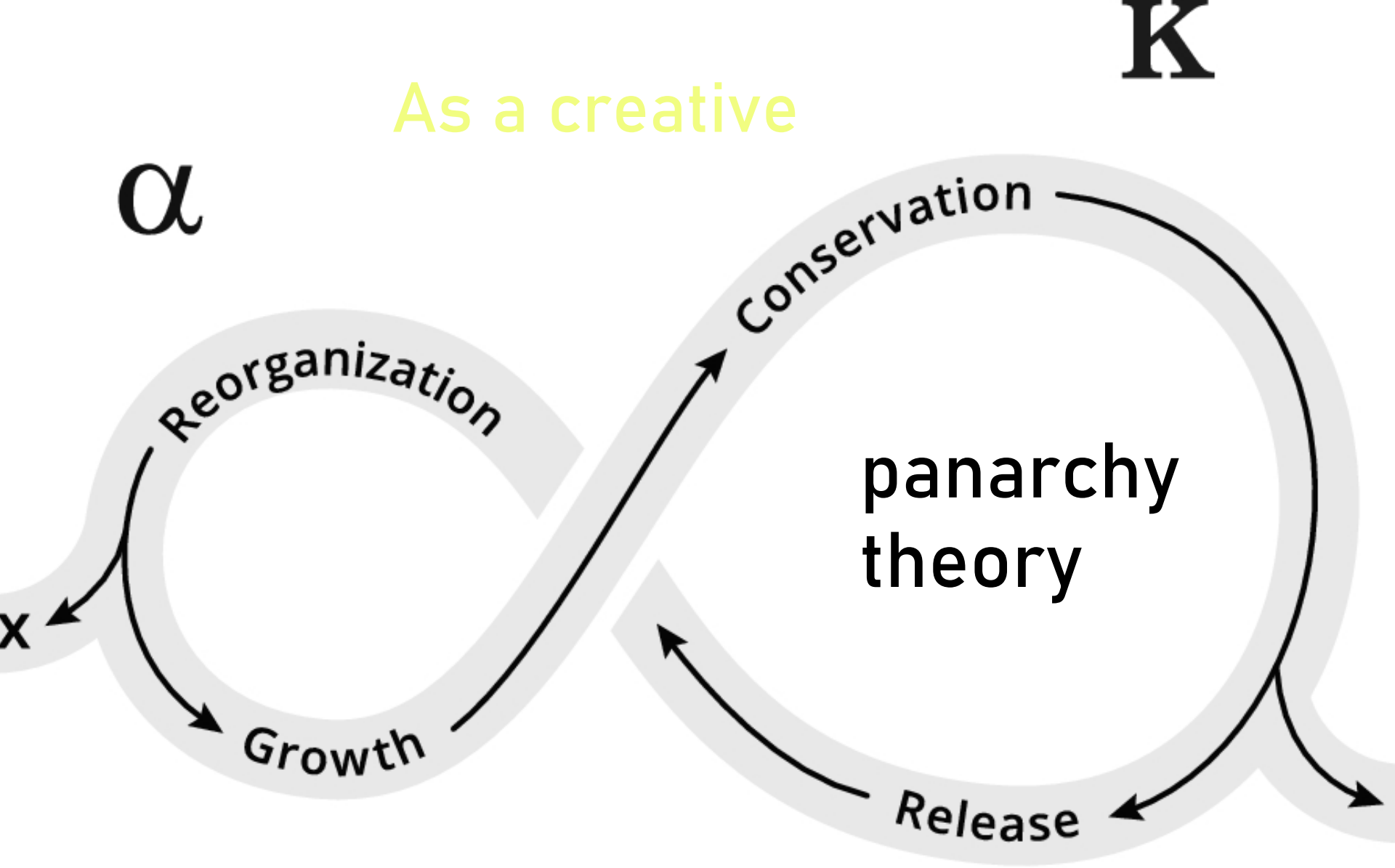
I am an
ARCHITECT
parametric design
form, space, light, color… SHAPES BEHAVIOUR

from architecture, I developed

creative thinking

Toys that stimulate creativity

As a creative



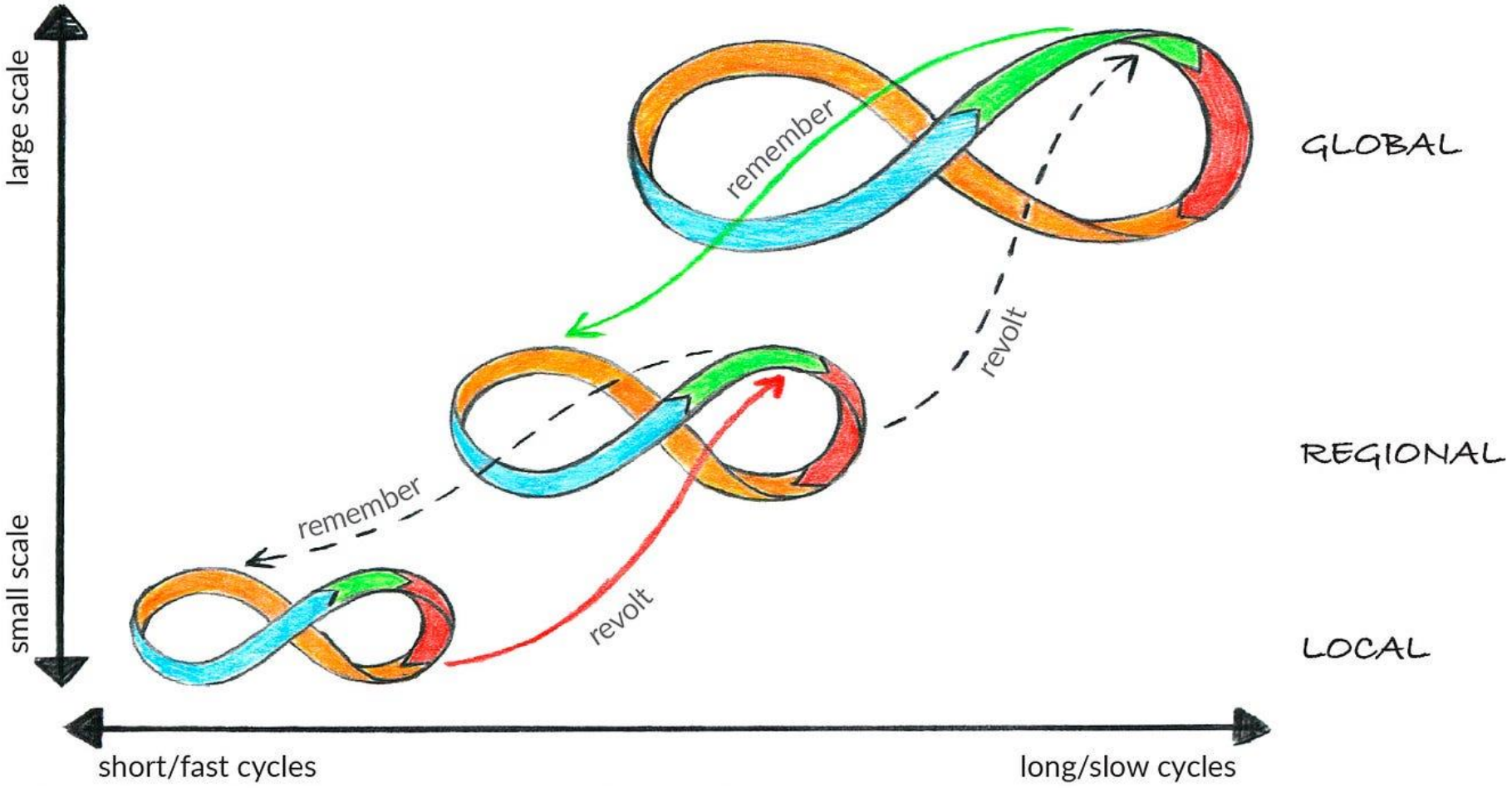
Try to understand

phD

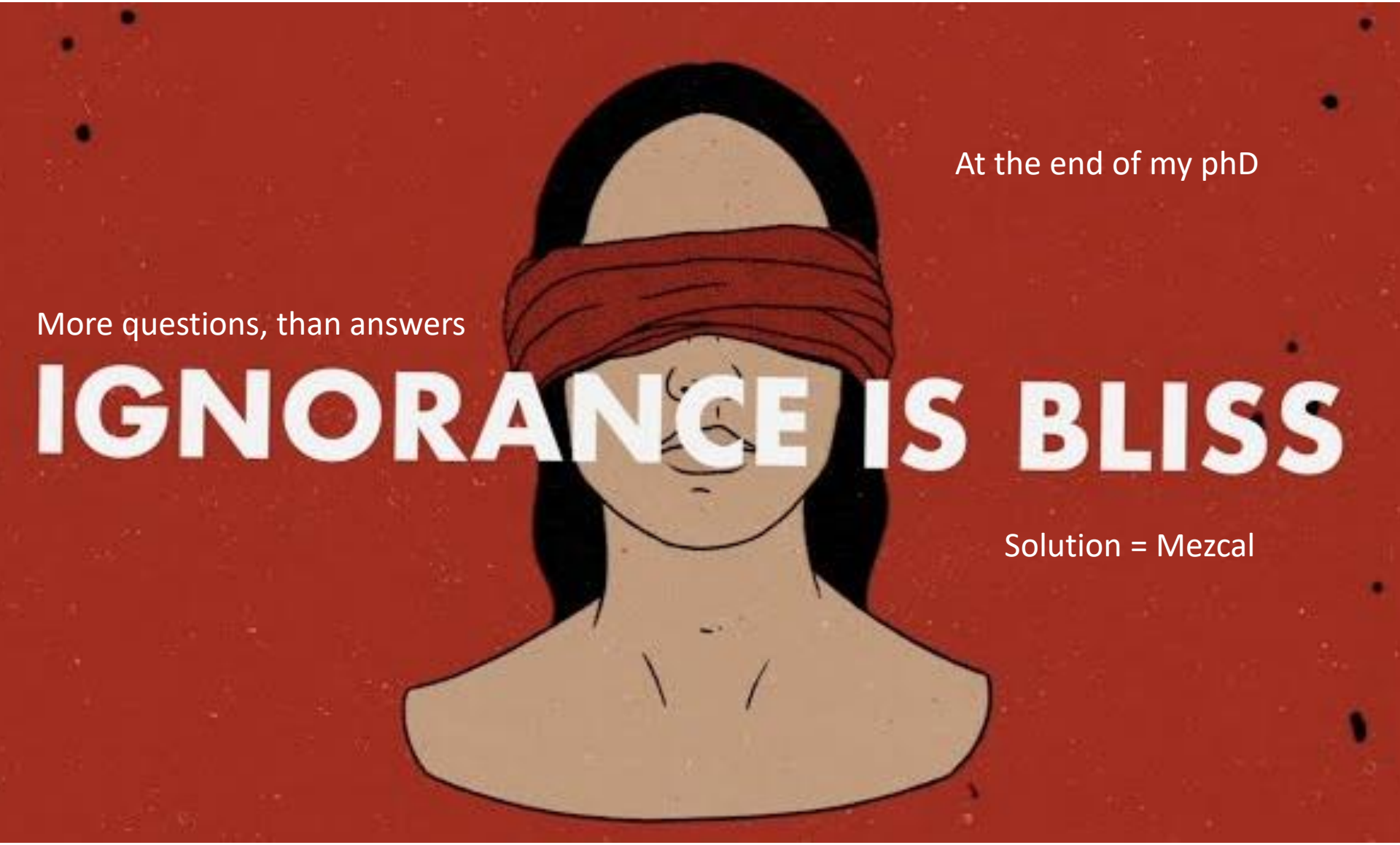
panarchy = resilience

grounded theory

PANARCHY OF INTERCONECTED ADAPTIVE CYCLES AT DIFFERENT SPATIAL AND TEMPORAL SCALES

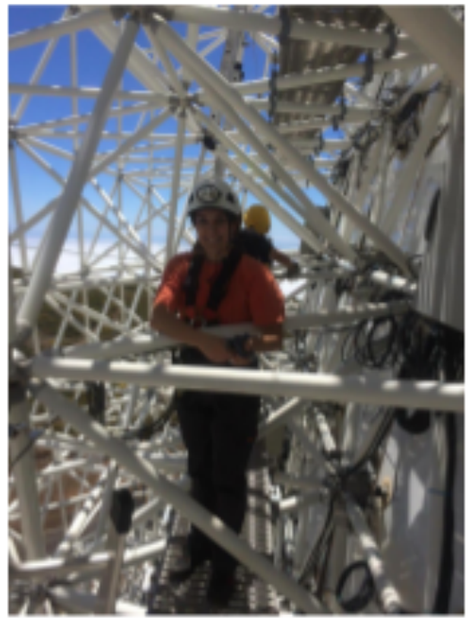


Source: Designing Regenerative Cultures, 2016 - www.danielchristianwahl.com; Graphics: www.flaviagargiulo.com


At the end of my phD
More questions, than answers
IGNORANCE IS BLISS
Solution = Mezcal

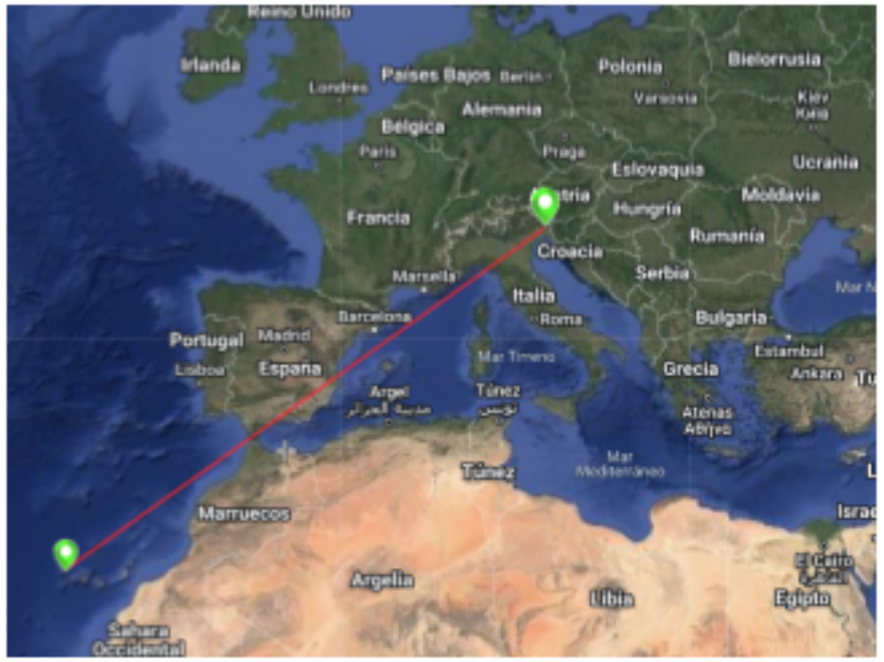
Try to drink a Mezcal with a worm i
You´ll forget… ever
Para todo mal, un mezcal
Para todo bien, también…..
Y sino tiene remedio, LITRO Y MEDIO..
salud
So you will need … START tesis
That is resilience - in

Irene Burelli - postdoc



Academic Path

- **Bachelor in Physics** (University of Trieste)
  Focus: Short GRB spectral analysis as gravitational wave counterparts.
- **Master in Astrophysics and Cosmology** (University of Trieste)
  Focus: GRB detection at Very High Energy with CTA.
- **PhD in Mathematics, Physics, and Computer Science** (University of Udine, associated with INFN)
  Focus: Divergent pointing strategies for CTAO



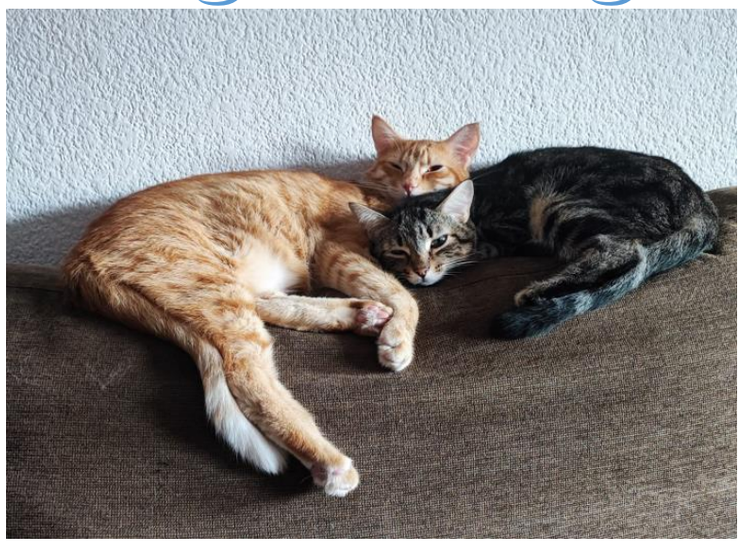
My current workplace is not in Barcelona but in Canary Islands

Not only is this my first postdoc, but it's also my first time working abroad! Moving from the mountains of Friuli to the stunning Canary Islands for the MAGIC experiment has been quite the adventure

Joan Cano i Martínez – Knowledge & Technology Transfer Unit

-From Montcada i Reixac
-Studied fundamental physics at UB

Ringui & Dingui



PAU FUSTÉ MARTÍN

Gràcia, Barcelona

Physics degree

UAB

Erasmus Heidelberg

ICN2 internship

QED -

TFG

IFAE Master UAB

2HDM -

TFM

HGTD - IFAE Pixels

Group

Physics

Sports

Traveling

Reading

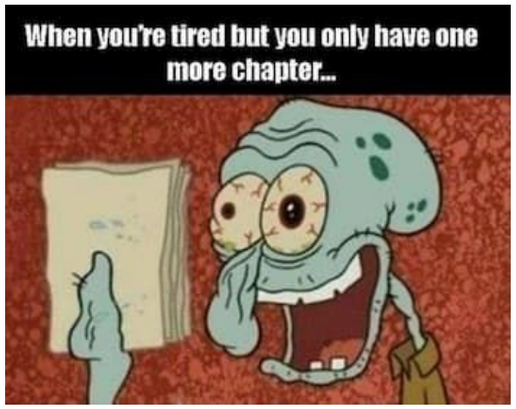
Movies

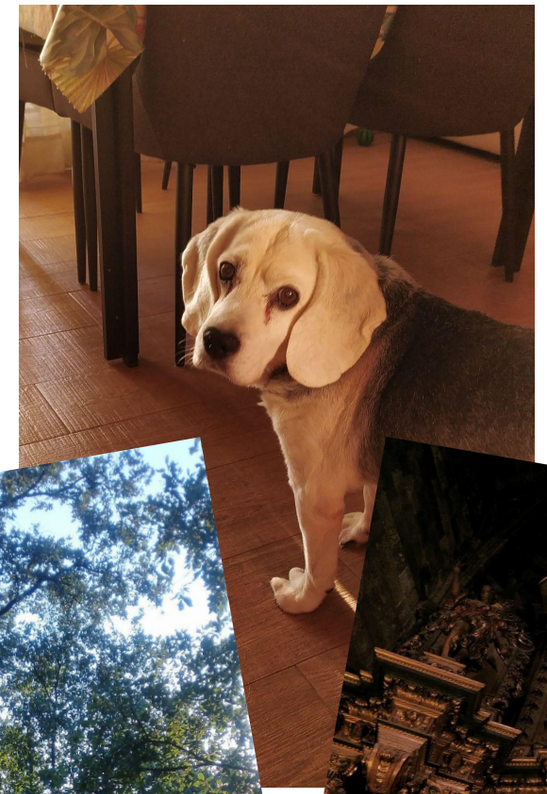
Music

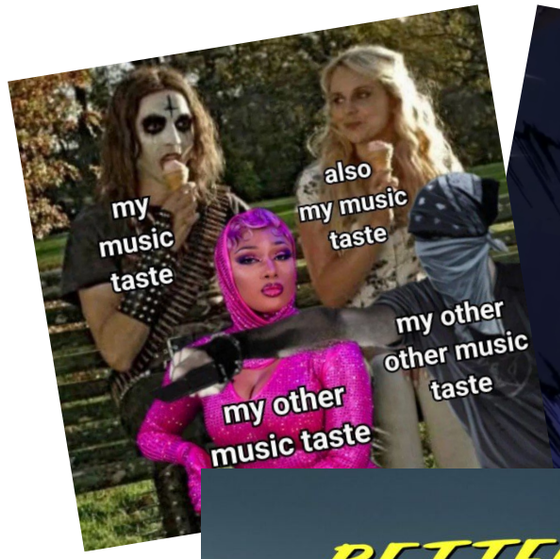
Food

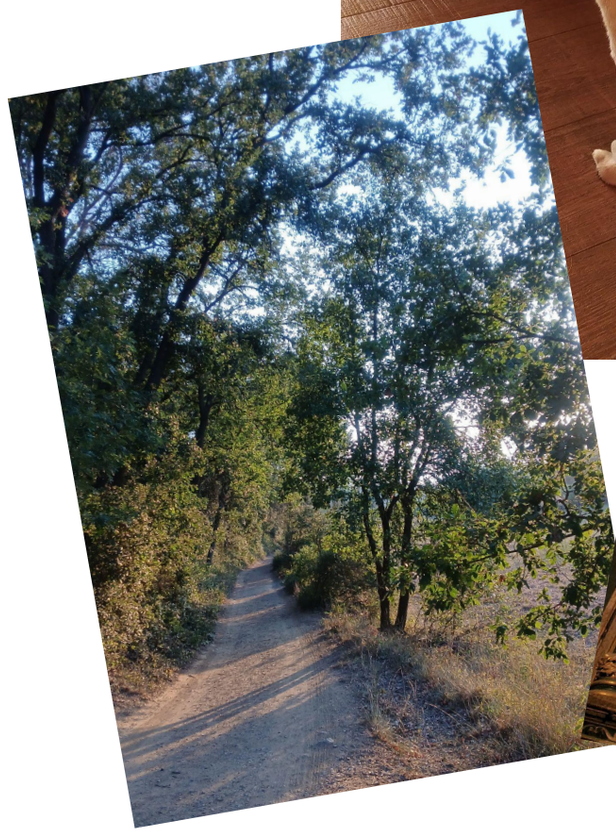
Having fun

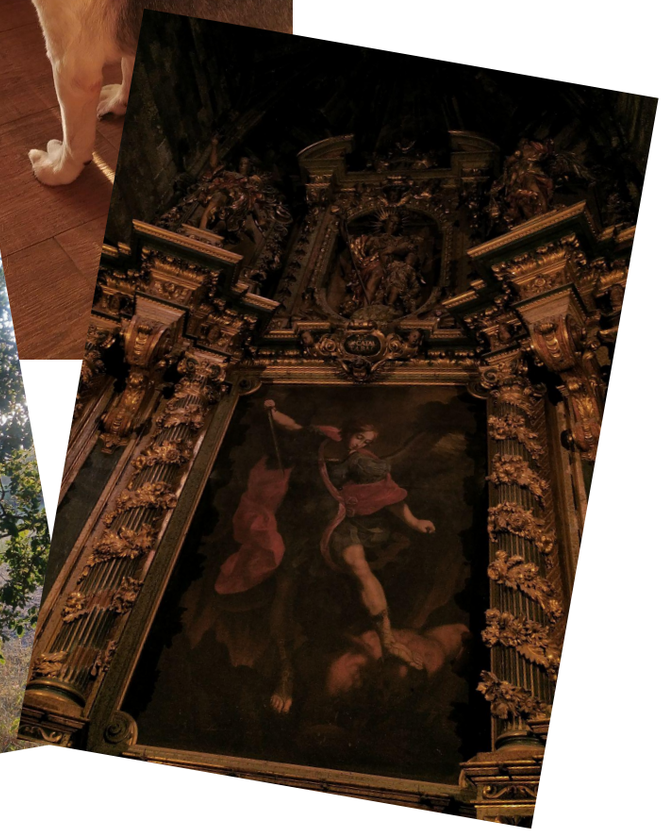
Javier García Romero











IFAE Welcome Day

Ariadna Gómez del Pulgar Martínez

PhD student at the Quantum Computing Technologies group

16th October 2024

Introduction

Academic background

- 2016 • BSc in Mathematics
  Universitat de Barcelona
- • BSc in Physics
  2022 Universitat de Barcelona
- 2023 • MSc in Quantum Science and Technology
  2024 UB - UAB - UPC

Trajectory at IFAE

- 2021 • IFAE Summer Fellowship
- 2022 • Bachelor thesis
- 2024 • Master thesis

NitrAl

- • PhD: impact of cosmic radiation on superconducting qubits + dark matter detection

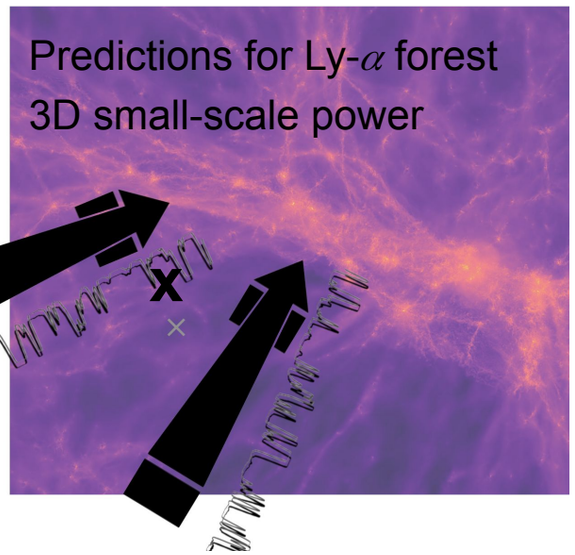
Hobbies

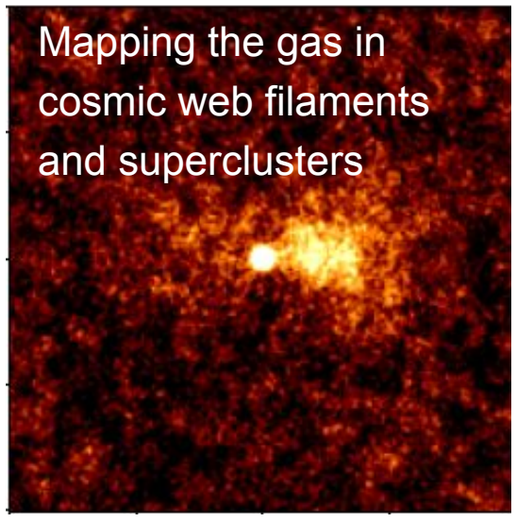
Martine Lokken

Postdoc, Observational Cosmology Group

Lyman-α cosmology, Galaxies x CMB secondaries + alternative clustering statistics

Research interests





DARK ENERGY SPECTROSCOPIC INSTRUMENT

U.S. Department of Energy Office of Science

THE DARK ENERGY SURVEY

Other interests

Environmental sustainability

Dance

Music

Language and culture

Website and contact

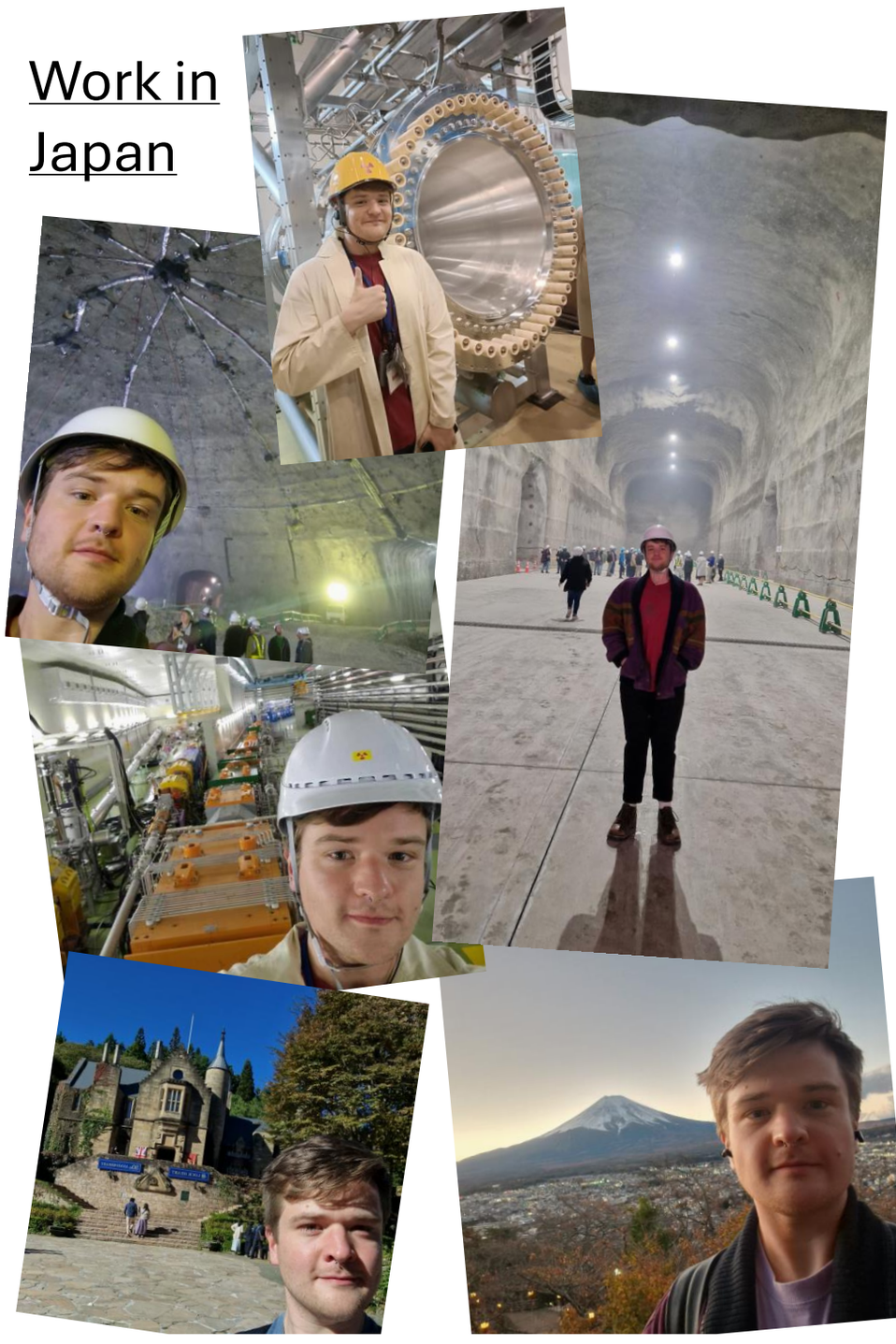
https://marlena6.github.io/, mlokken@ifae.es

Office: C7b-146 (downstairs)

Ewan Miller

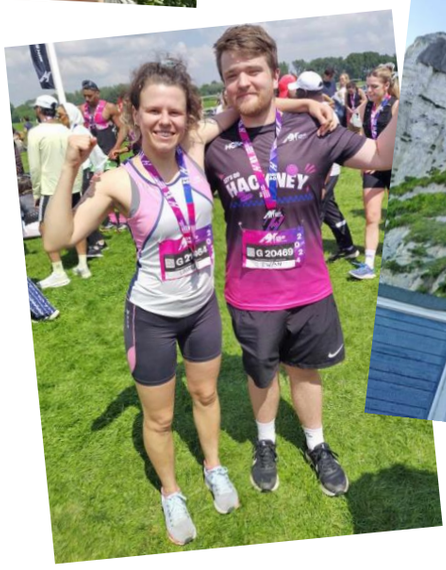
Recently started my first postdoc in the IFAE neutrino group working on the T2K and Hyper-K experiments

Work in Japan



Sometimes go to other places too

Come from Scotland



Did PhD in London

BY: Salvador Moreno Gómez

THIS IS A PICTURE OF ME.

I'M 23 YEARS OLD.

THESE ARE MY FAVORITE COLOURS:

THESE ARE MY FAVORITE FOODS:

THEY ARE MY FAVORITE PEOPLE:

THIS IS MY FAVORITE ANIMAL

THIS IS MY FAVORITE SUBJECT:

THIS IS MY FAVORITE SPORT:

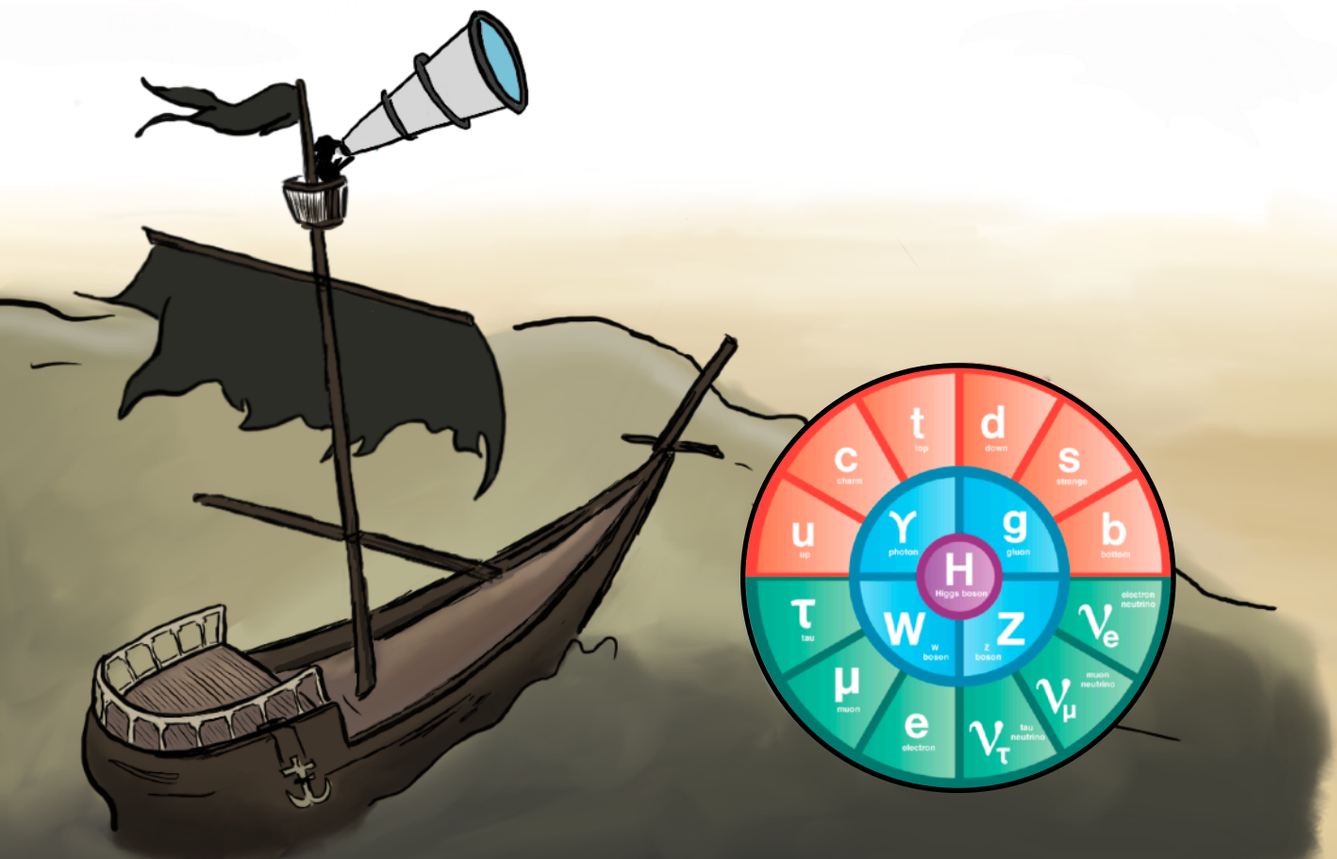
THIS IS SOMETHING YOU DIDN'T KNOW ABOUT ME:

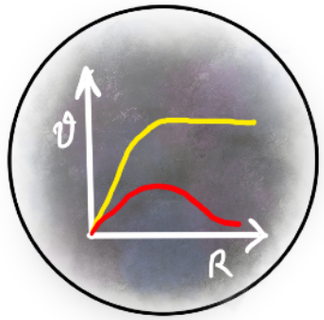
SHHHH!

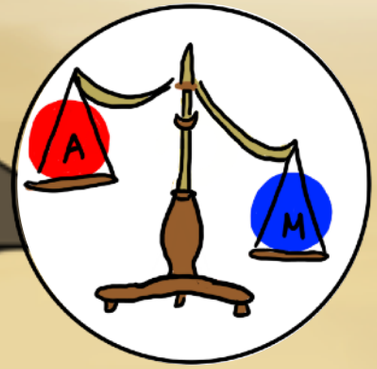
Clara Murgui

Beatriz Galindo fellow

Time







DEP. RECURSOS HUMANS

ORGANIGRAMA RECURSOS HUMANS

Pilar Ojeda

CONSELL DE GOVERN

DIRECCIÓ
Eugenio Coccia

GERÈNCIA
Quim Bosch

RECURSOS HUMANS
Pilar Ojeda

TÈCN. RRHH
Ijlal

RRLL
Iara

SAFETY
Virginia

FINANCES

LEGAL

PROJECTS

ACTIVITAT CIENTÍFICA_RECERCA

https://www.ifae.es/about/organization/

MISSIÓ I FUNCIONS MANAGER RRHH

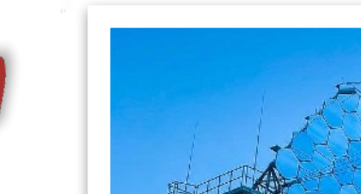
OBJECTIU: impulsar, coordinar i dur a terme les acciones relacionades amb les polítiques relacionats amb el personal a nivell legal laboral, concretament en les àrees de:

1. Relacions laborals
   a. Nòmina i contractació, i costos de la plantilla
   b. Consultes del personal i de la Direcció en matèria legal laboral
   c. Relacions amb la representació del personal
   d. Mesa negociadora Conveni de la Recerca a Catalunya
   e. Totes aquelles que siguin encarregades per la Direcció a nivell legal laboral

2. Prevenció de riscos laborals:
   a. Vetllar per identificar, eliminar i/o minimitzar els riscos laborals des del punt de vista de:
      i. La seguretat en el treball
      ii. L'ergonomia
      iii. La psicosociologia
      iv. La higiene industrial
      v. La salut
   b. La relació amb la representació de les persones treballadores en matèria preventiva
   c. La coordinació de l'activitat empresarial (CAE) davant visites internes i externes de les persones treballadores
   d. El Servei de Prevenció Aliè (SPA)

3. La Formació
4. La Carrera Professional
5. La Comunicació Interna:
   a. Plans de comunicació i organització del personal, Pla d'Igualtat, Pla anti_assetjament, Protocol de desconnexió digital
   b. Control de presència: FACTORIAL
   c. Relacions externes amb d'altres Institut CERCA de Recursos Humans, Generalitat, UAB, BIST, entre d'altres
   d. Comunicats al personal de caràcter legal laboral: model 145, informació de nòmina, de normativa que ens és d'aplicació.

Mario Pecimotika

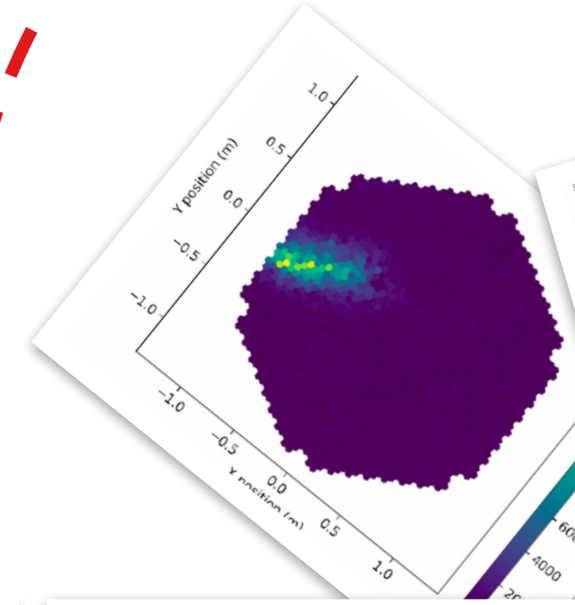


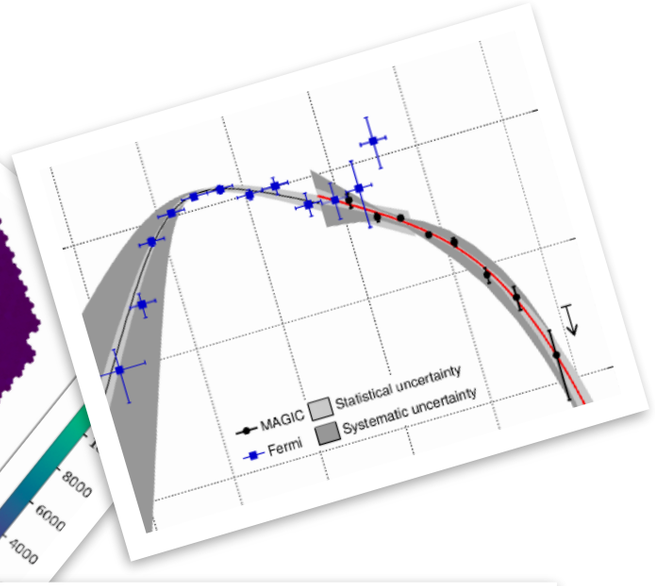
<u>September 2024</u>

Postdoc at IFAE

Gamma-ray Group

(experiments CTA and LST)





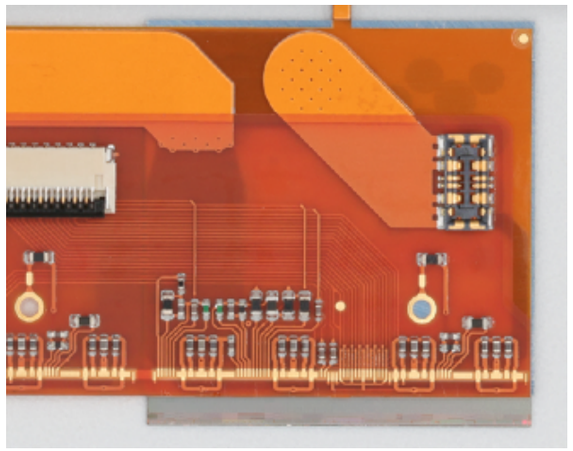
<u>June 2024</u>

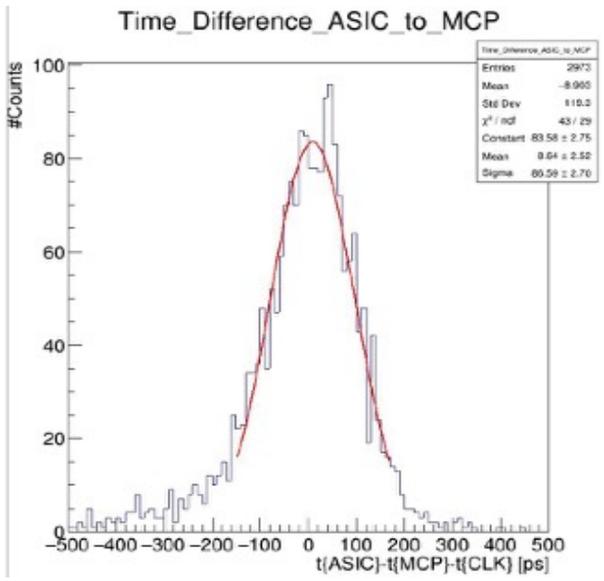
PhD in Physics

University of Rijeka, Croatia

Krishnan Rama (aka R Krishnan)

Postdoc at ATLAS pixel group





Kerala, India

PhD from University of Warwick, UK

Neutrino model building

$$\sin^2\theta_{13} = 0.022000^{+0.00069}_{-0.00069} \qquad \frac{1}{3}\sin^2\frac{\pi}{12} = 0.0223$$

$$\sqrt{\frac{\Delta m^2_{21}}{\Delta m^2_{31}}} = 0.1715^{+0.0035}_{+0.0030} \qquad \frac{\sqrt{2}-1}{\sqrt{2}+1} = 0.1716$$

Sujatha ♥

Postdoc

ICE-CSIC

FABRIZIO ROMPINEVE

Ramón y Cajal fellow

Where I started

Simon Samuroff

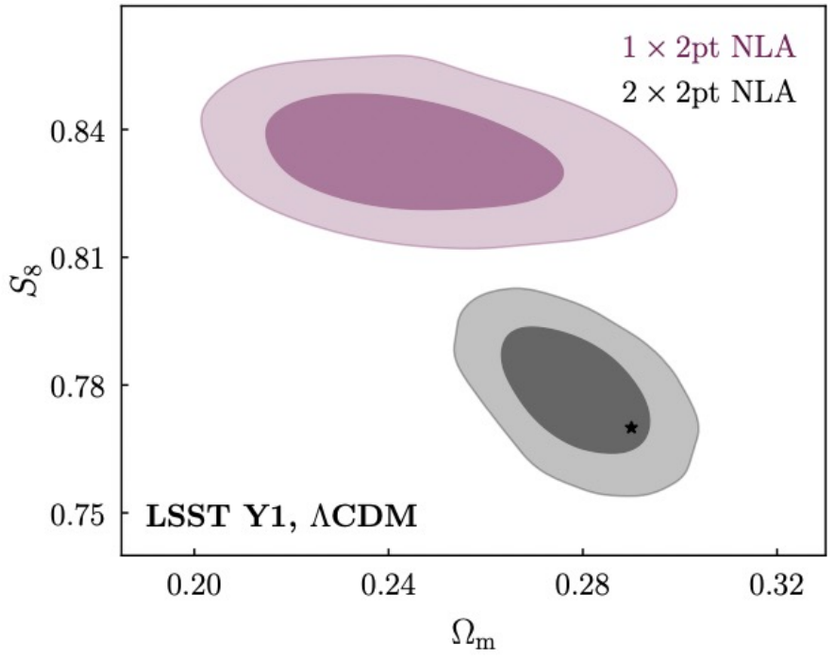
Postdoc, observational cosmology group

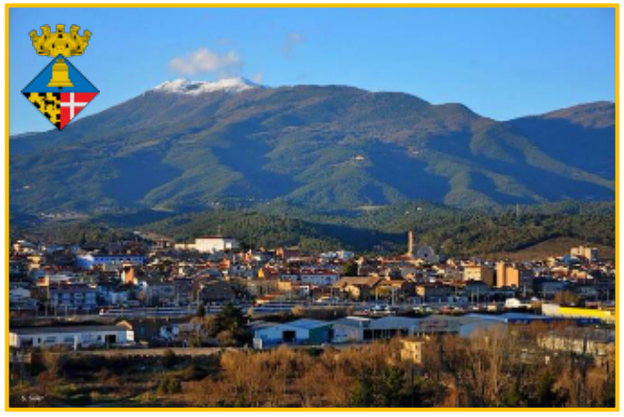
Background: weak lensing, cosmic shear, cosmology with galaxies

Collaborations: Dark Energy Survey

LSST/Rubin-DESC

A bit more detail: One focus is modelling/mitigating astrophysical lensing systematics (in particular intrinsic alignments). Part of DES Y3 3x2pt, now working on shear 2pt measurement/modelling for DES Y6.





Xavier
Sibina
Estapé

Tamara Vázquez Schröder

German!

Studied Physics as undergraduate
in Universidad La Laguna (ULL),
Tenerife, Canary Islands (Spain)

PhD in Particle Physics with
Universität Göttingen,
Germany

ATLAS Collaborator
since 2010

Ramón y Cajal 2022 grant
Tenure-track researcher in
IFAE **since Sept 2024**

Looking forward to working
(and coffee drinking / salsa dancing / climbing / hiking / going to concerts / etc)
with you!

Born in **Argentina**
(not Buenos Aires!)

Postdoc with McGill University
(based at **CERN, Geneva, Switzerland**)
+ CERN Fellowship
+ CERN Junior Limited-Duration (LD) Staff