



UNSAM
UNIVERSIDAD
NACIONAL DE
SAN MARTÍN

HELMHOLTZ
RESEARCH FOR GRAND CHALLENGES



Achieving More Together

Johannes Blümer and Alberto Etchegoyen

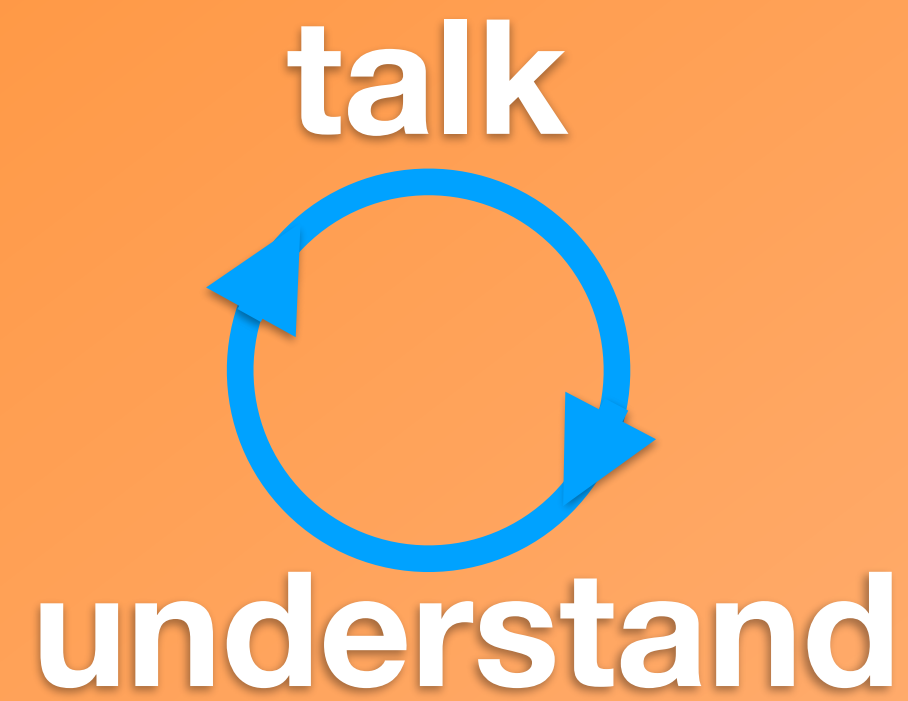
DDAp, DDEIT and HIRSAP Meeting

UNSAM, November 22, 2023



“Achieving More Together...”

a good portion of empathy...

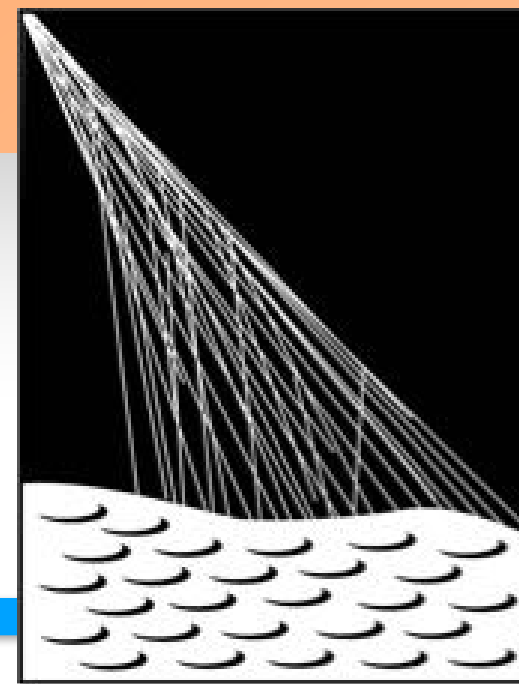
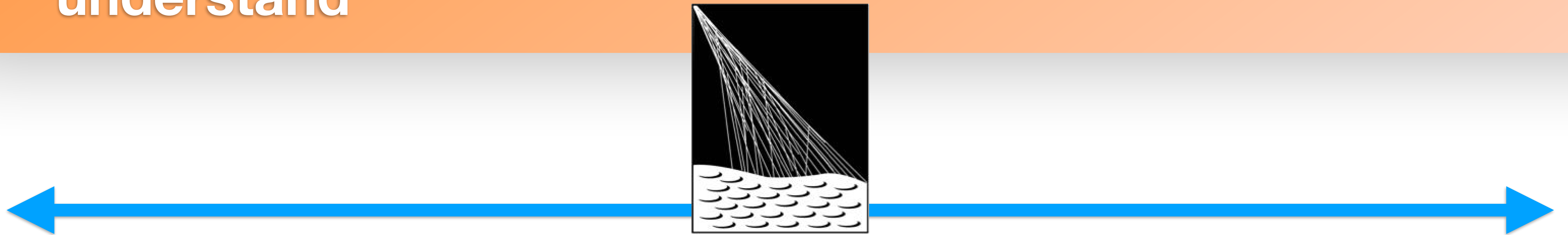


initiate

opportunities

plan

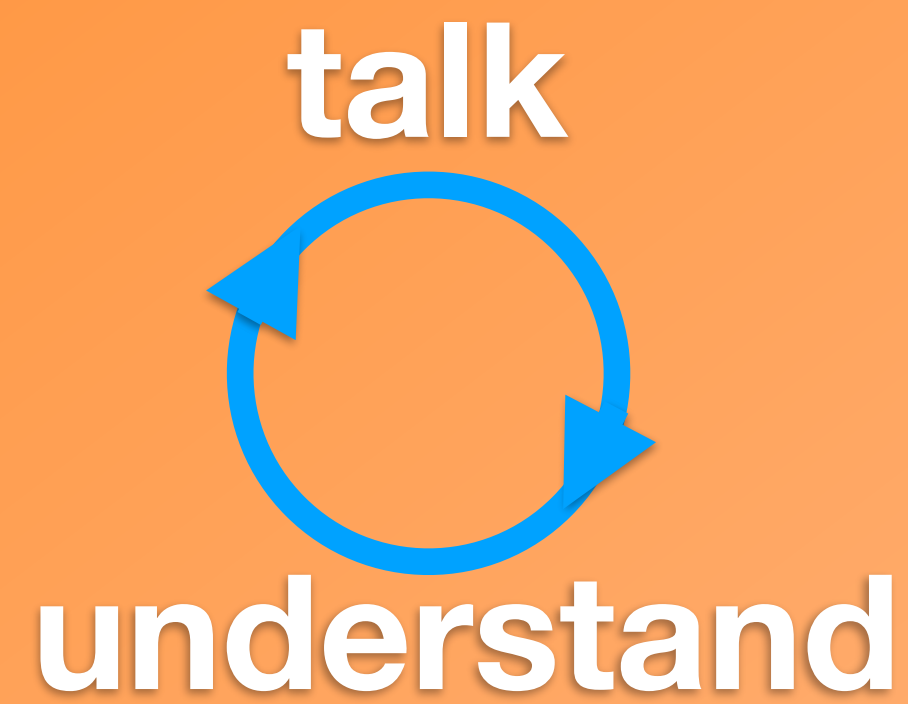
do!



PIERRE
AUGER
OBSERVATORY

“Achieving More Together...”

a good portion of empathy...

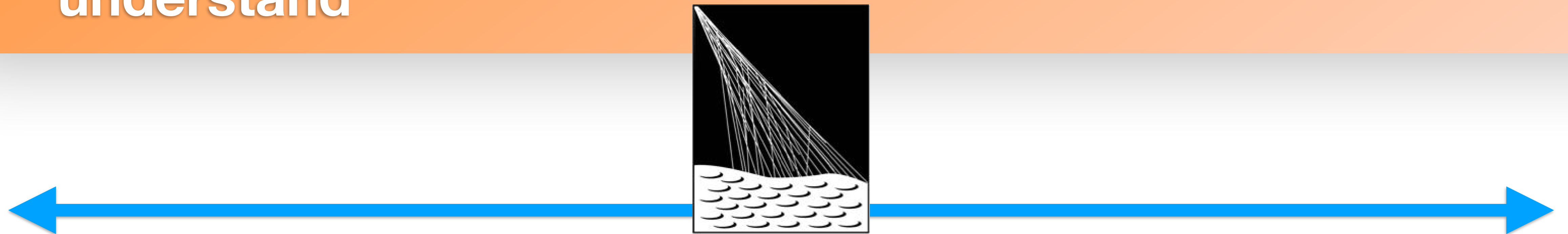


initiate

opportunities

plan

do!



ITEDA
2009

DDAp
2011

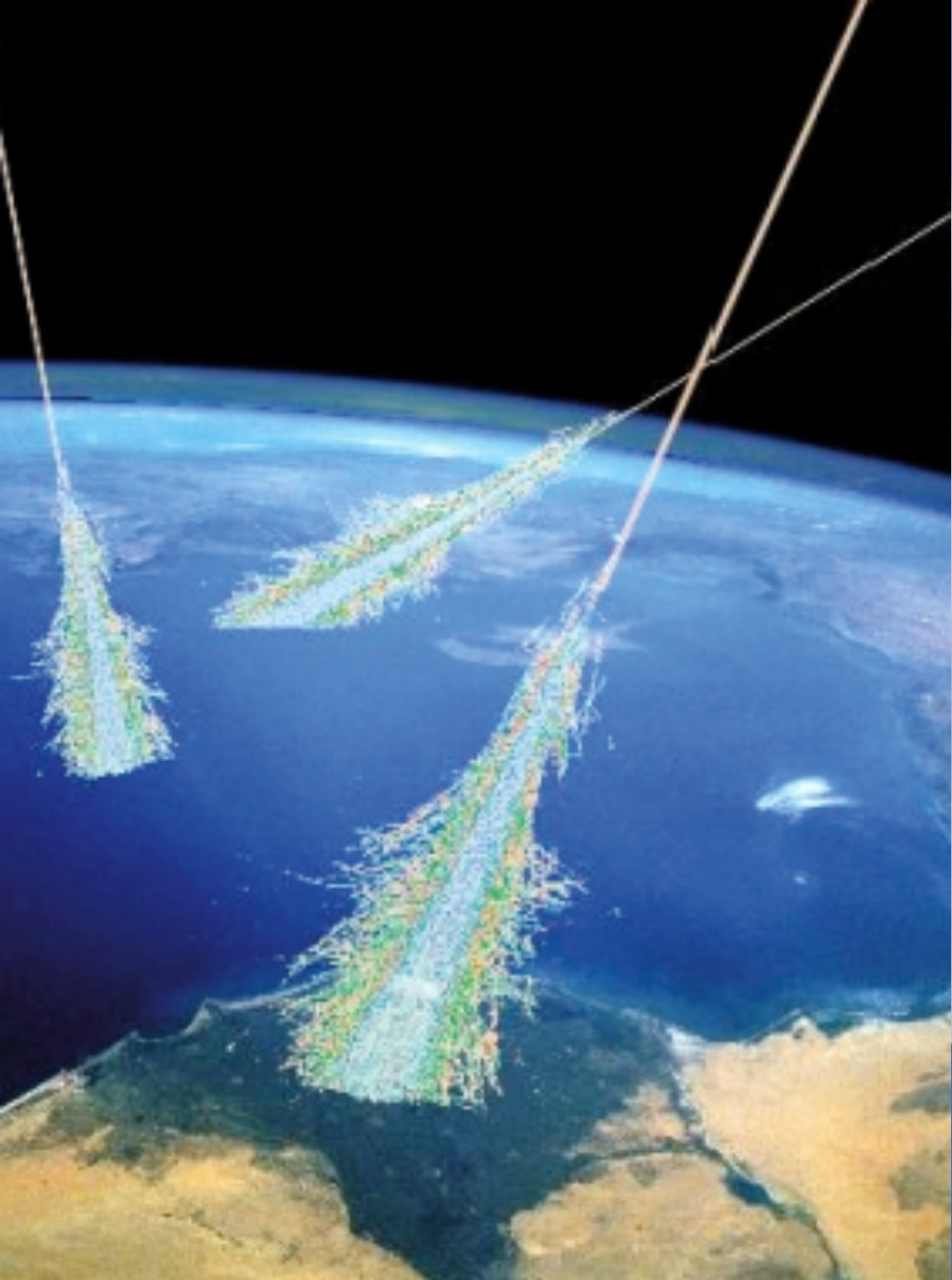
HIRSAP
2018

SPUK
2018

DDEIT
2020

IAP
2020

...next...?
2023 –



2015

Signature Ceremony of International Agreement for the Pierre Auger Observatory



ITEDA
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...next...?
2023 –



CONICET



DFG **HELMHOLTZ**

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IAP
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...next...?
2023 –



(signed 2013)



David Schmidt Ana Botti Nicolás González



Mobility funding (65 k€/yr per partner)

Coherent research approach of school

Interdisciplinary approach from hardware development to data analysis

Cutting-edge scientific work with **joint supervision**

Structured courses on broader and more specialized topics

Mobility and intercultural exchange – **DDAp: 2 x 6 months, DDEIT: 18 months** at partner institute

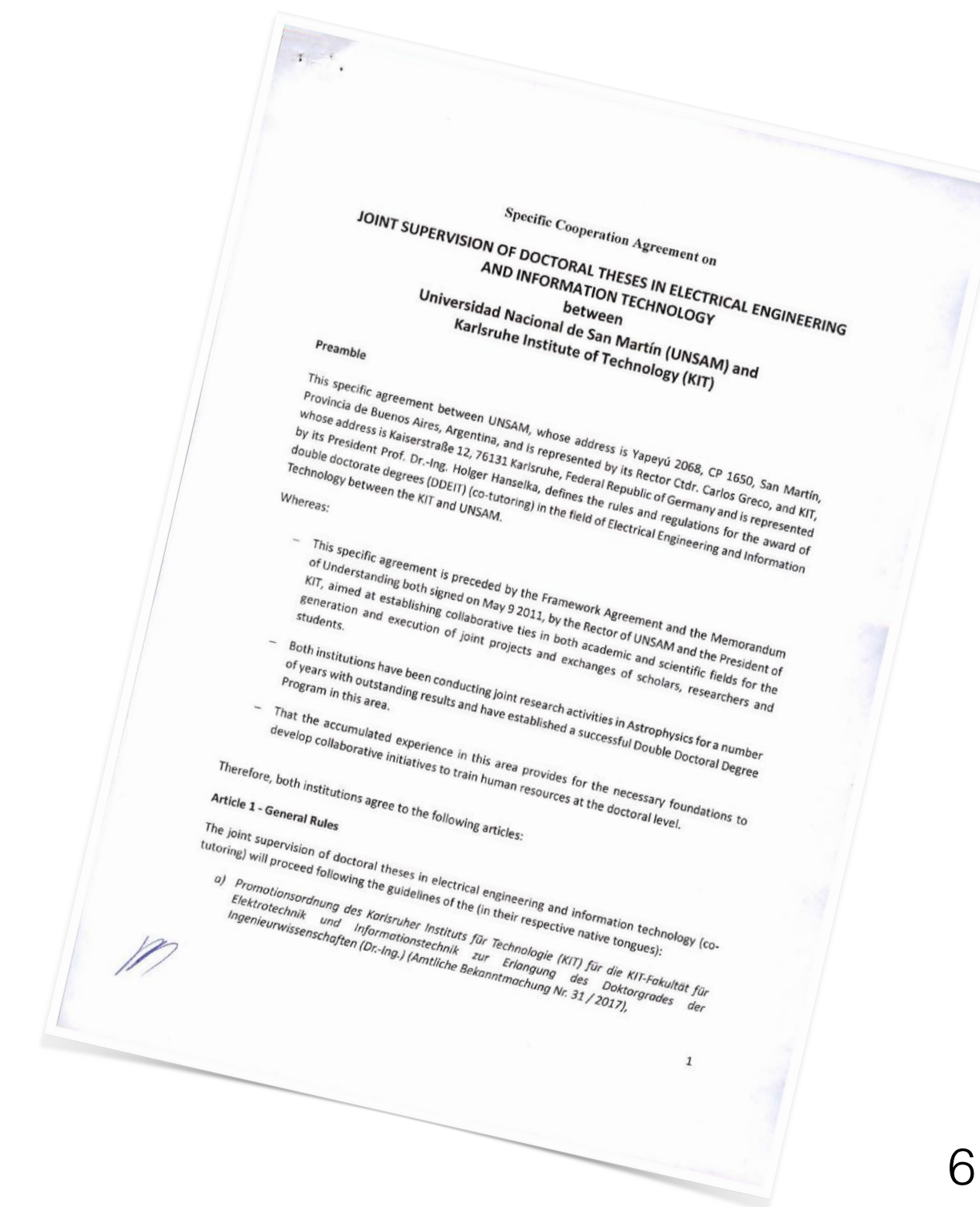
Soft skills and career development courses

joint PhD examination at one of the partner institutes

DDEIT

Double Doctoral degree in Electrical Engineering and Information Technology

(signed July 2020)



Doctor of Natural Sciences
Doctor of Engineering Sciences



Doctorado en Astrofísica
Doctorado en Ciencias Aplicadas y de la Ingeniería

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2023 –

From the Helmholtz web:

Helmholtz International Research Schools
Cutting-edge research thrives on the exchange of ideas - even across national borders. (...) We have founded many of these schools together with universities and international partners. **They offer excellent supervision, practical training and tailored career support.**

Up to 25 doctoral students focus together on one research topic in the schools. This way, they gain important experience in scientific exchange and also expand their professional and personal qualifications through teamwork. In such wise, our graduates are optimally prepared for a career both within and outside academia. (...)

Helmholtz International Research School for Astroparticle Physics and Enabling Technologies

Helmholtz <small>(new)</small>	1.7 M€
KIT <small>(own)</small>	1.8 M€
Argentina <small>(own)</small>	1.6 M€
Total	5.1 M€

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HIRSAP inauguration and annual meetings



November 2018
(UNSAM)



Inauguration
April 2018 (KIT)



Inauguration Nov. 2018 (UNSAM)



November 2019 (KIT)

Meetings
available
in indico

Today: 22 doctoral researchers

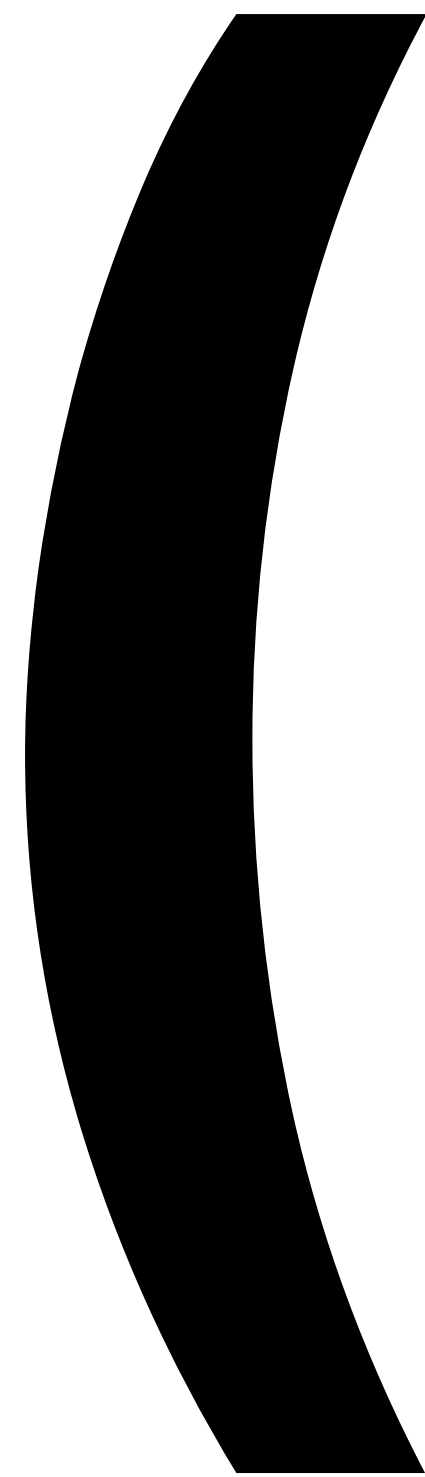


November 2021 (KIT/hybrid) 20

COVID-19

November 2020 (online)





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#INVESTIGACIÓNUNSAM, NOTAS DE TAPA,
NOVEDADES DE INVESTIGACIÓN

EL KIT INVERTIRÁ
CASI 300 MIL EUROS
EN PROYECTOS DE
COLABORACIÓN CON
LA UNSAM



La prestigiosa universidad alemana –líder en ingeniería y ciencias naturales– financiará alrededor de quince proyectos de colaboración durante los próximos dos años y medio. El logro es un resultado de los convenios bilaterales impulsados por la UNSAM desde 2018 y un avance en la alianza estratégica entre ambas instituciones.

◆ Blümer, Ciencia, Colaboración, Frasch, Helmholtz, Instituto Karlsruhe De Tecnología, Investigación, KIT, SPUK, Strategic Fund, UNSAM



“...colaboración durante los próximos dos años y medio...”
well, this particular seed funding ends just now... continue anyway

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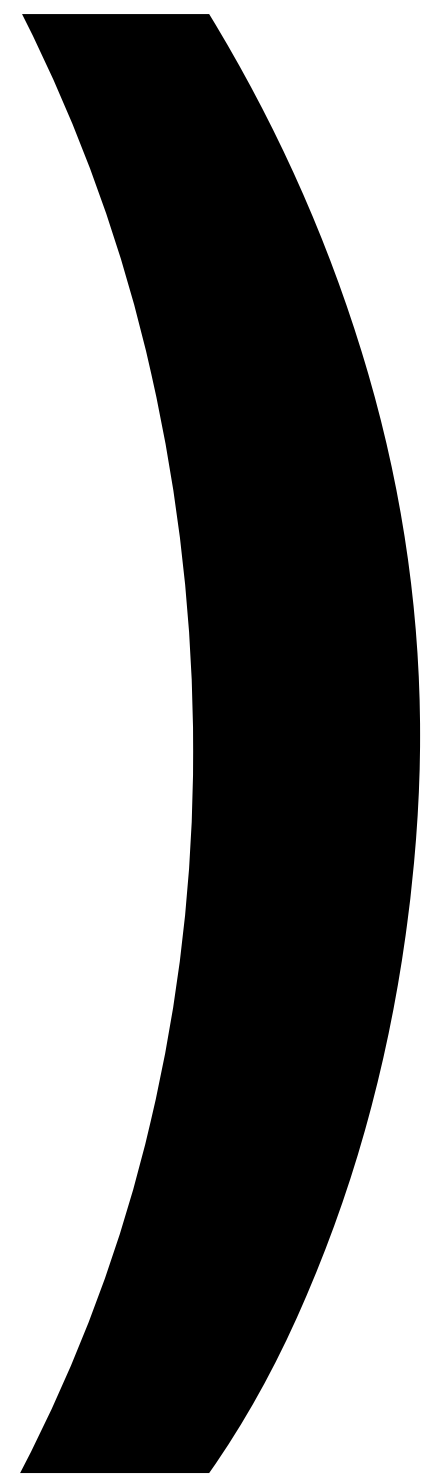


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2023 –

DAHZ/CUAA funding for DDAp:

Preparatory phase Sep 2011 – May 2013

1st full funding: July 2014 – Sep 2022

CONEAU accreditation: Nov 2014

Current period: Sep 2022 – Sep 2026

CONEAU re-accreditation: Apr 2022



ARTÍCULO 2°. -CATEGORIZAR
la mencionada carrera como A.

Coordinator in GER: Ralph Engel from Oct 2024

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Coordinator in GER: Ralph Engel from Oct 2024

Alumni

9 GER
9 ARG

18 people

DDAp

15
DAHZ
CUAA

3
HIRSAP

6 GER
9 ARG

3 GER
0 ARG

Ongoing

6 GER
13 ARG

19 people

6 ARG

5 GER

11
DDAp

8
DDEIT

7 ARG

1 GER

6
DAHZ
CUAA

5 + 8
HIRSAP

37 altogether

ITEDA
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DDAp
2011

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2018

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DDEIT
2020

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2020

**...next...?
2023 –**

It's hard to make predictions, especially if they address the future...

ITEDA
2009



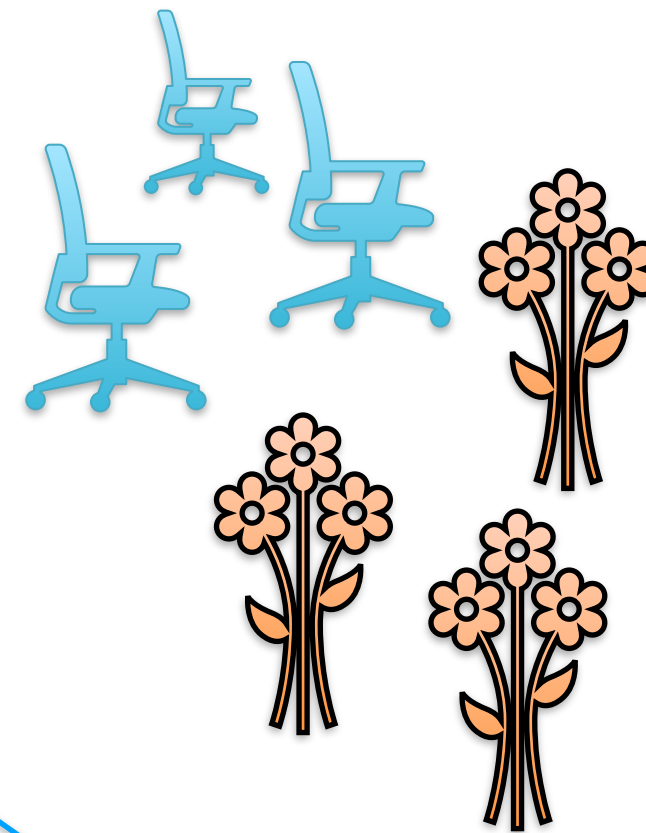
DDAp
2011

HIRSAP
2018



ends 2025

SPUK
2018



DDEIT
2020

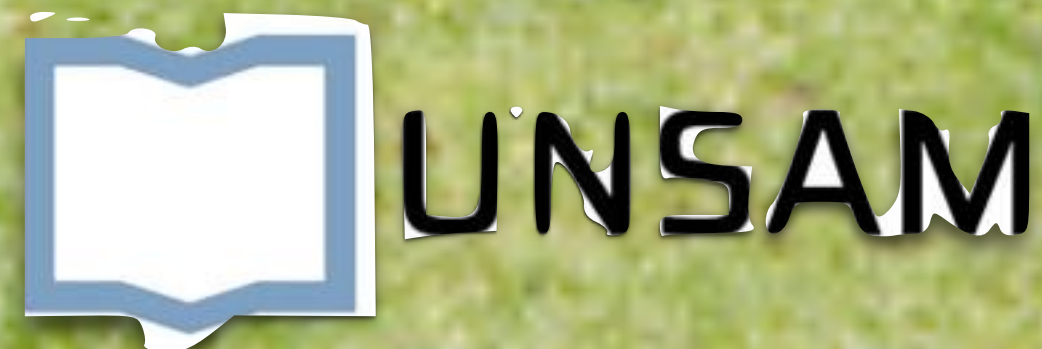
IAP
2020



...next...?
2023 -

*International Research
Training Group (IRTG)*

spawn engagement on Master level





remains of utmost importance to us!



