



# Physics-Project-Days 2024 LLN

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Andreas Hinzmann, Roman Kogler (DESY)

# Starting point

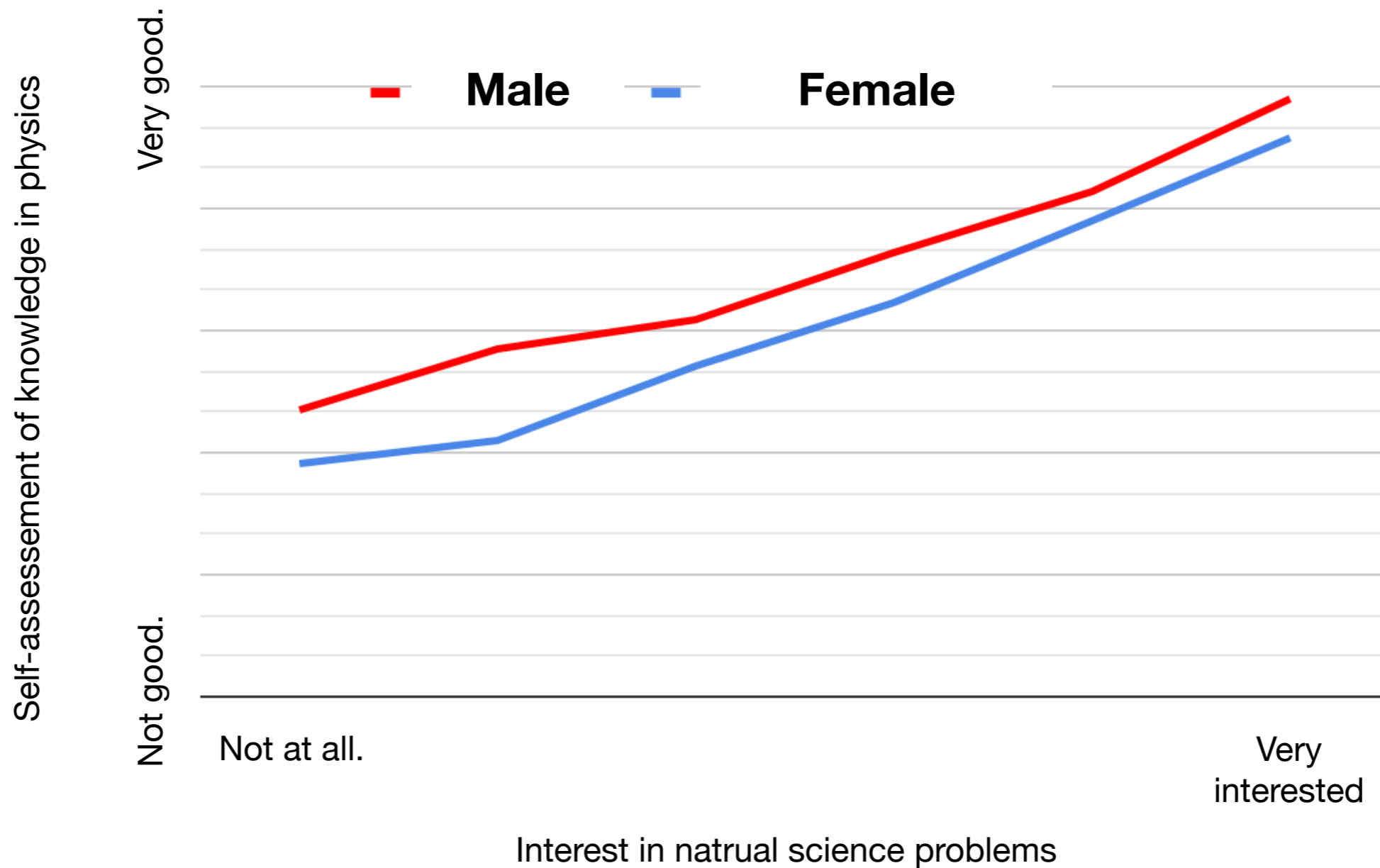
Little promotion of girls' interests in scientific issues

Mutual reinforcement of low interest and knowledge  
("vicious circle")

Choice of education and studies depending on  
interest and level of knowledge

Unbalanced gender ratio of student numbers.

# Self-assessment of high school students

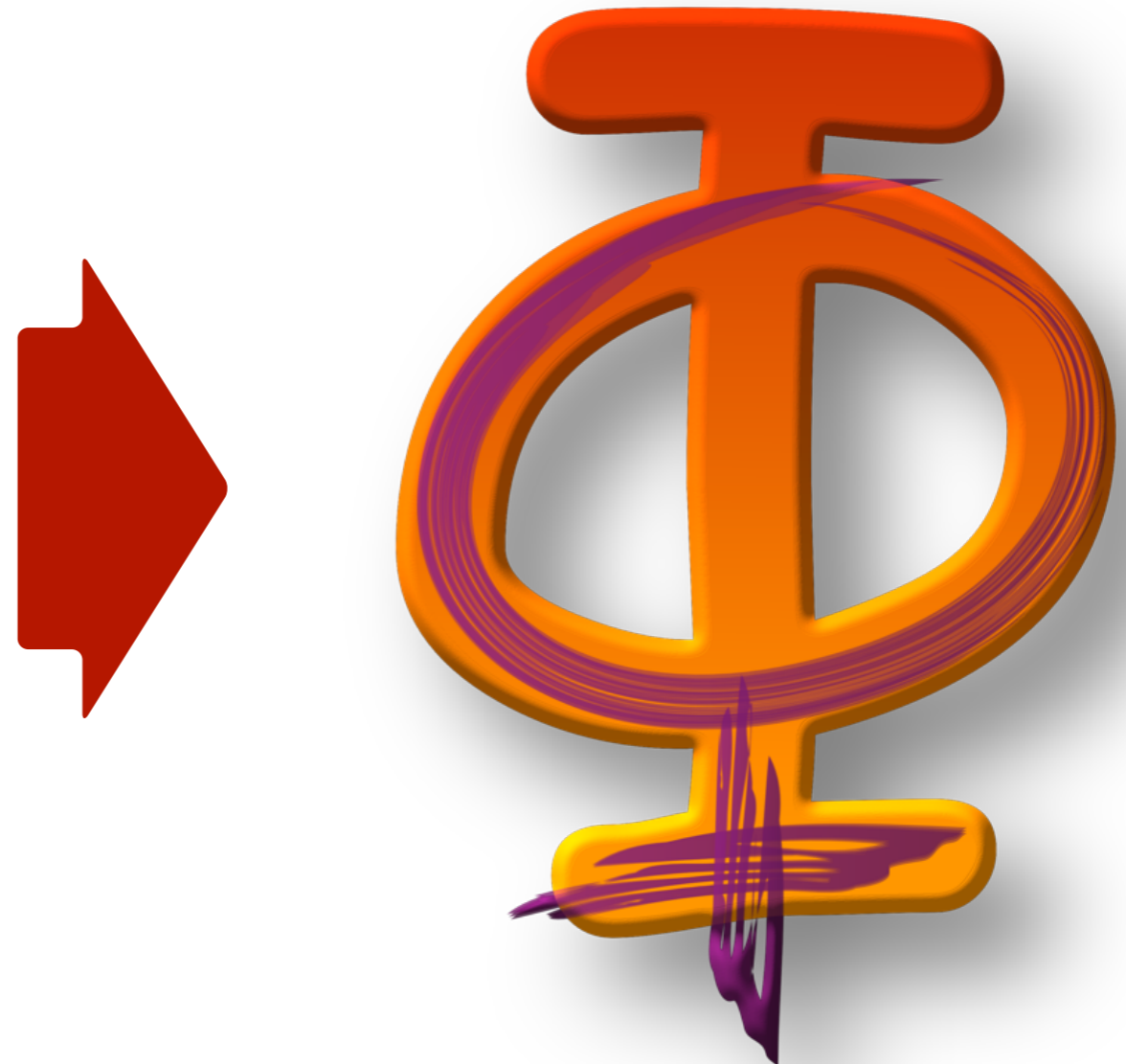


Basis survey at 8 schools in Schleswig-Holstein, high school students (n = 583)

# Goals of the workshop

- enhance interest at science
- bring equal opportunity to the schools
- encourage female high school students to study physics

## Physics-Project-Days



# Main aspects of the workshop

- 4-day workshop for female high school students (last three years before university)
- Experiment & research in a project
- Room without gender specific competition
- Supervision in small groups (2-3/supervisor)
- Free of charge
- Team building event



CLAUSSEN SIMON | STIFTUNG



Anna Benecke

EXZELLENZCLUSTER  
QUANTUM UNIVERSE



KIEL  
NANO  
SURFACE &  
INTERFACE  
SCIENCE



biomagnetic  
sensing  SFB 1261

TR  24  
complex plasmas



# Physics-Project-Days

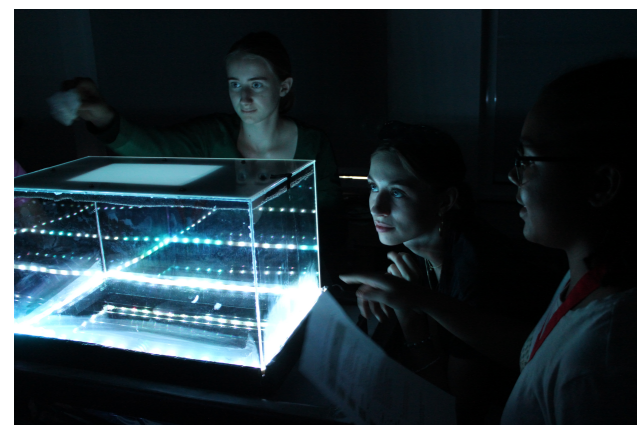
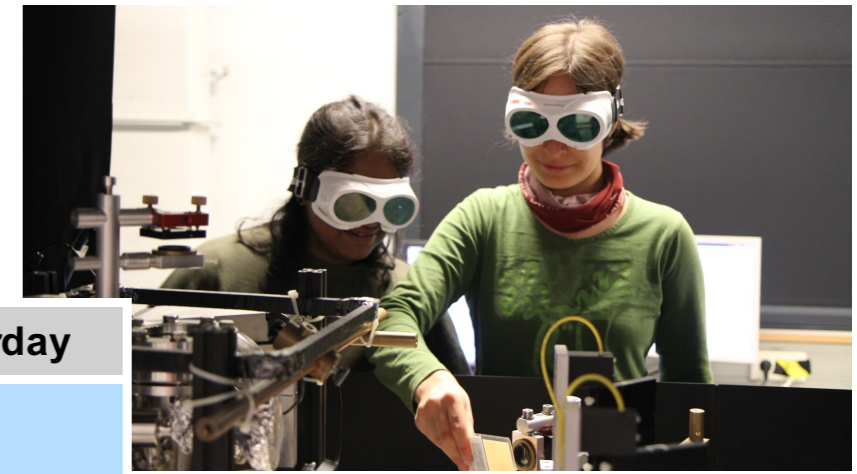


# Physics Project Days 2023 LLN



# Timetable

	Wednesday	Thursday	Friday	Saturday
8:30 - 11:30		1. Project-phase	3. Project-phase	5. Project-phase
11:30 - 13:00	Joint lunch			
13:00 - 17:00	13h Arrival & Check-In	2. Project-phase	Q&A study 4. Project-phase coffee break	Ceremony & Presentation  Sciences building
16:30h	practical info CYCL01		4. Project-phase	Departure
17:00 - 18:30	until 17:40h groups in lab	Team building (Departure 15:45 h)	Lab-Tour	
18:30 - 22:00	Welcome CYLC01			
	Reception		Joint dinner	

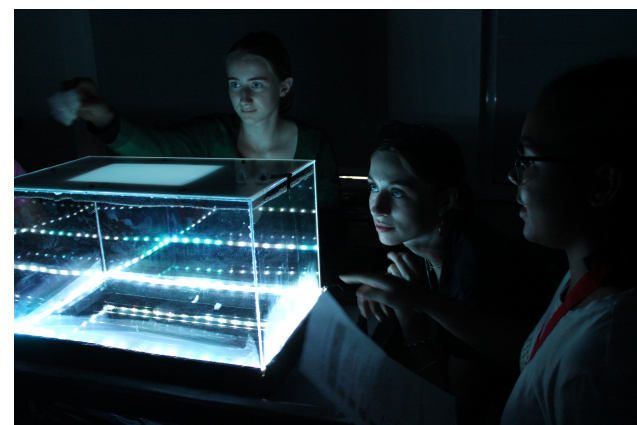
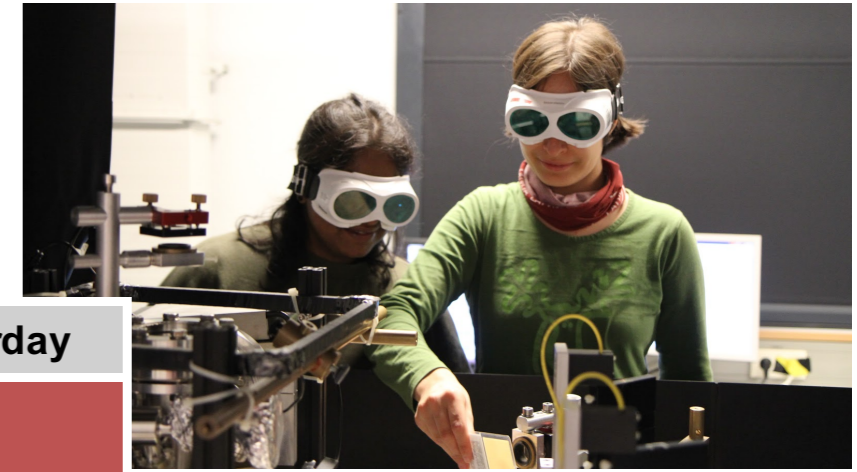


Anna Benecke



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18:30 - 22:00	Welcome CYLC01		Lab-Tour	
	Reception		Joint dinner	
	Required	Optional		



Anna Benecke

# Project phase

- **Independent working**
- **Encourage to ask questions**
- **Give them a good experience of working in a lab/physics group**
- **Do not miss the coffee breaks and plan small breaks during the project phase**
- **5. Project phase: Presentation via poster! Tell them already on Thursday about it!**
- **Pick up your poster on Friday Morning in Jeromes office!**
- **Make a small introduction about safety in your lab!**

# Practical infos

## Mornings:

- Participants come directly to the lab/room unless you tell them where to meet

## Joint lunch:

- You get vouchers from us each day! Find Anna for that!
- Meet in front of Marc de Hemptinne (SC01) at 11:45h for lunch, if you are late bring them to the canteen

## General:

- Take photos! And send them as files to Anna each day via WhatsApp ;)
- Each morning count the participants and make sure you have everyone! Otherwise, let us know :)



# Poster

Either hand write or print  
DinA4 pages with material

**Please check your names  
and if all supervisors are on  
the list**

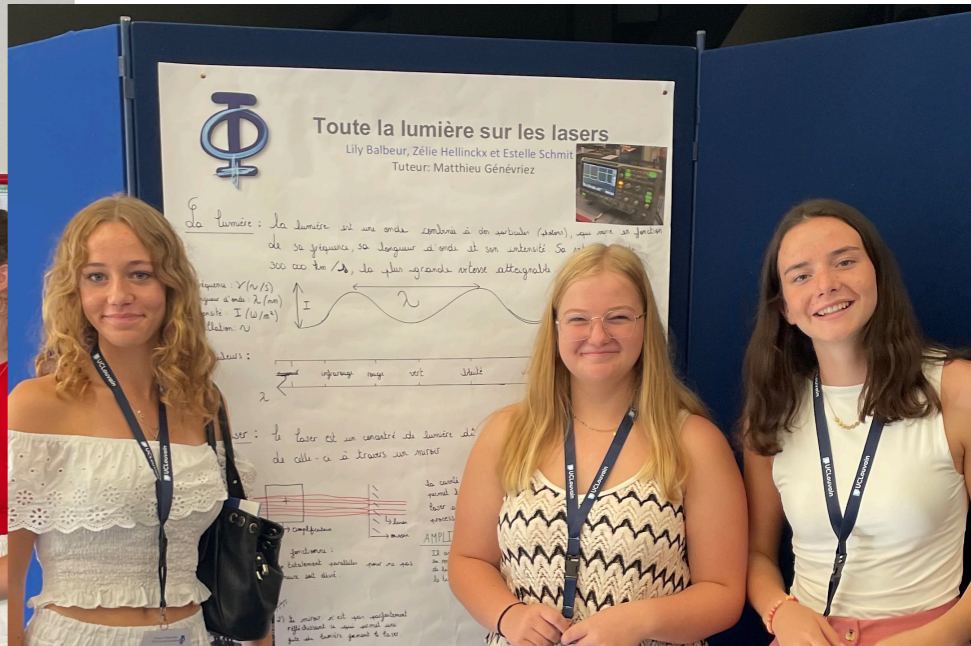
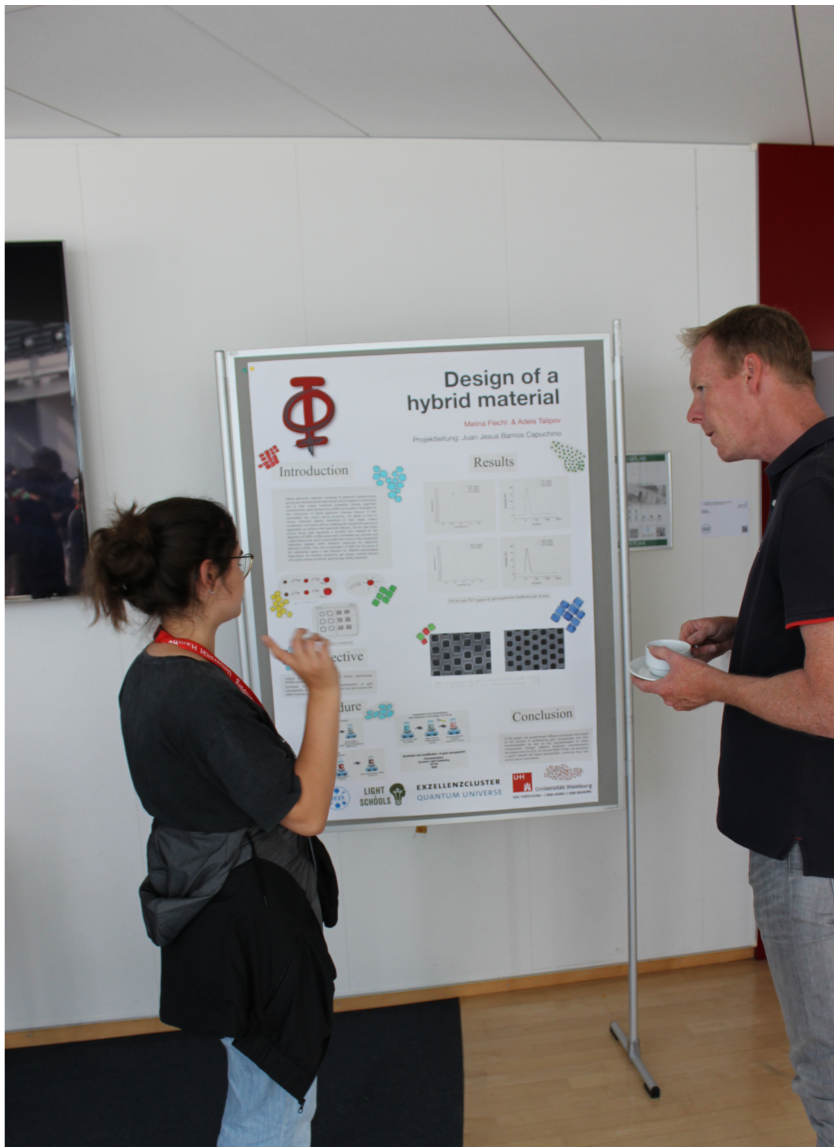
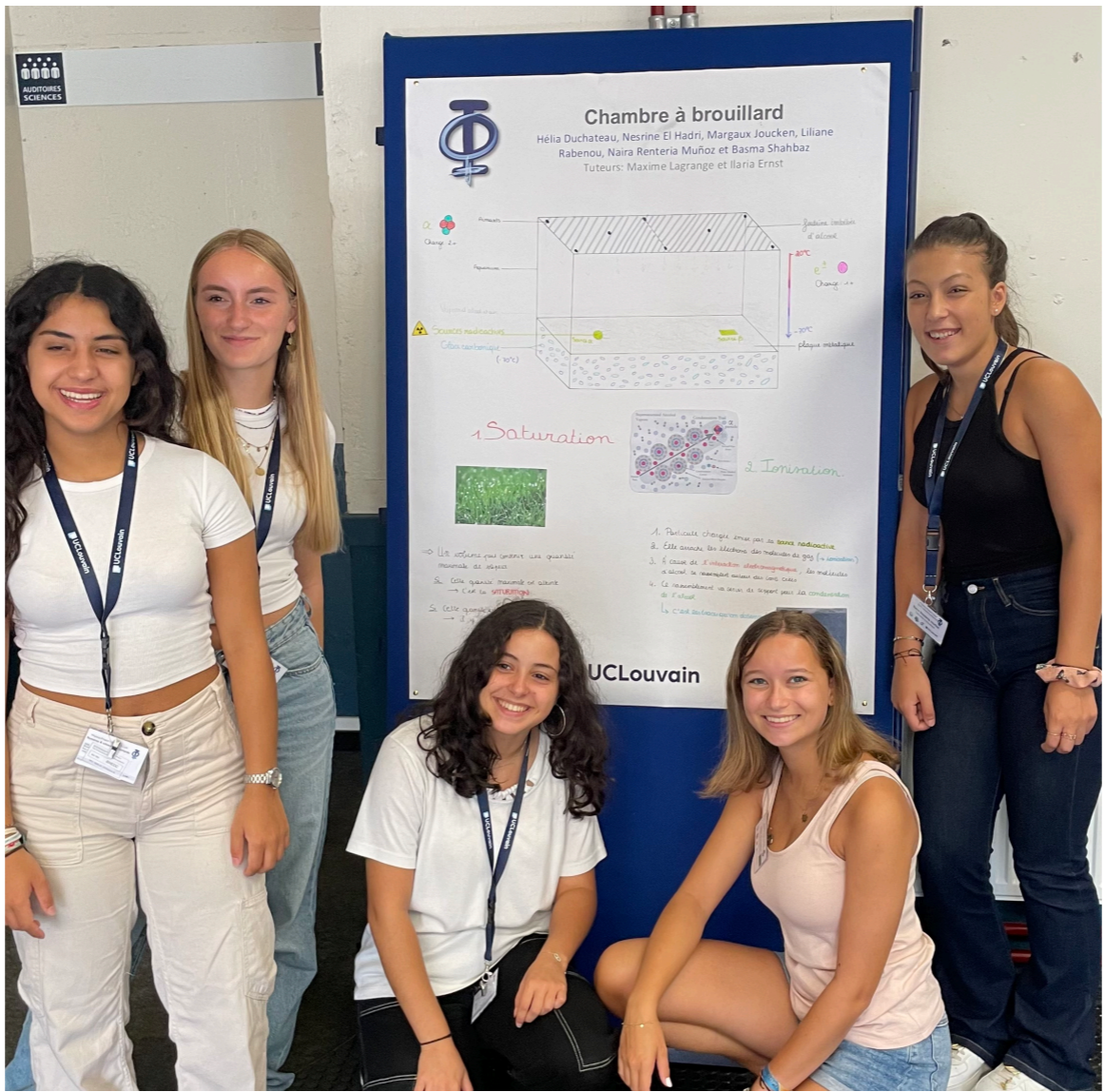


## How to escape a black hole ?

Nora Akahloun, Cris-ney Bizindavyi, Clémentine de Broux, Noémie Gaillard, May-Li Hok, Clémence Léonet, Eva Nachawati, Zoé Piret, Chloé Portier, Zofia Ptaszynska, Christina Van de Wiele, Pauline Ven, Gabrielle Vonckx et Olivia Weyers

Tuteurs: Clémentine Dassy, Rafael Aoude et Pierre Auclair

# Poster (selection) 2023 LLN



# Important dates

- **Wednesday:** Pick up your group for showing the lab/ computing room at 16:30 at CYCL01 and bring them to CYCL01 at 17:40 latest
- **Thursday:** Group photo after lunch in front of Marc de Hemptinne (SC01)! Bring your group to the parking lot in front of Marc de Hemptinne (SC01) by 15:30 for the bus to the tree climbing. !Bus departs at 15:45!
- **Friday:** Pick up your poster at Jérôme's office (SC01, E356). Bring your students to the coffee break on the third floor at 15:15
- **Saturday:** Pizza from 12h at the entrance of the Sciences building, colloquium at 13h with you handing over the certificate (we provide them), poster presentation afterward.

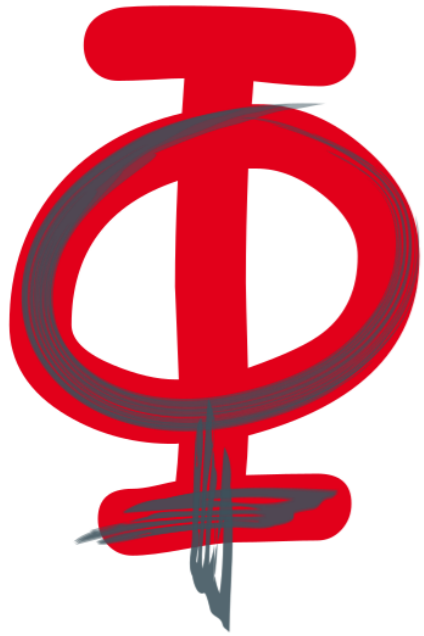
→ each day info through the WhatsApp group with reminders :)

**Whatsapp group: [https://chat.whatsapp.com/  
KNeMo8IUIf37PhFRt5NEYS](https://chat.whatsapp.com/KNeMo8IUIf37PhFRt5NEYS)**

**Follow us on Instagram: [https://www.instagram.com/  
physikprojekttag/](https://www.instagram.com/physikprojekttag/)**



# Summary (freely translated)



„Thank you for the opportunity to participate here! Never thought that physicist are so cool. Unforgettable days!“

„It was a very nice time with a lot of fun, knowledge and variety.“



@PHYSIKPROJEKTTAGE

„It is good, because you can find new friends outside of the fight for a boy.“

„Good, because you get not intimidated by male school mates.“

„In the STEM field, I think it's very good because I don't feel like an outsider there as a woman and I'm encouraged that it's normal to be a woman in the STEM field.“

„You learn more than school physics and you see the labs, where you could work later. In addition, you get to know people interested in physics and recognise that you are not alone.“

