

International Physicists' Tournament (IPT)

Elias Rothlin & Noah Roux



What is it?



- Solve fun physics problems within a list of 17 open questions
- Present and defend your solutions, and formulate criticism to your opponent's solutions in the so-called ***Physics Fights***
- Work in team!
- Get **up to 2 P3 points** by solving IPT questions
- You get to engage with physics problems from start to finish, no script to follow
- Qualifiers against other Swiss teams (EPFL, ?)
- If qualified: **IPT 2023 in Paris!**

Examples



Problem 5: Pringles stack ring

It is possible to build structures by stacking Pringles on top of one another in various configurations. What are the physical parameters that allow some geometric patterns to be constructed? What is the largest stack ring that can be built? What maximal weight can it support?



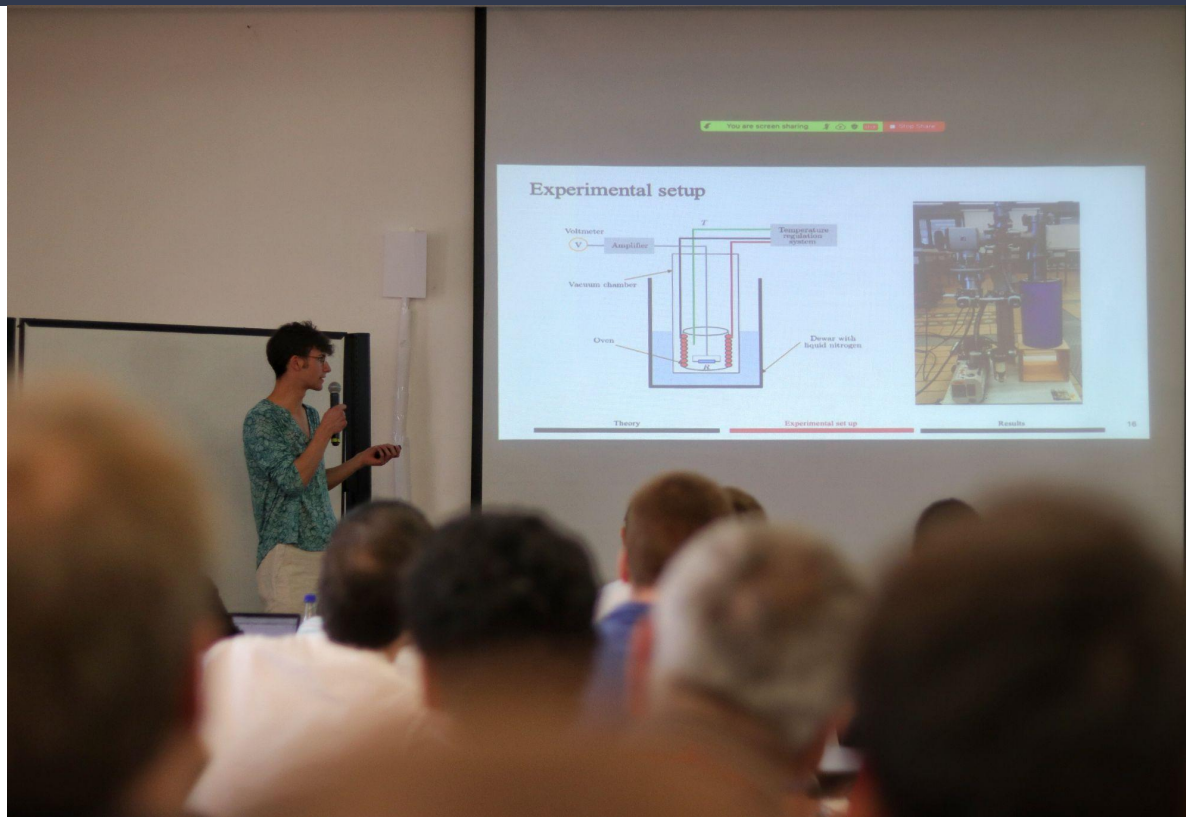
Problem 10: Magnetic gears

The coupling of mechanical gears is usually done through their teeth, but an equivalent mechanism can be made using magnets, so that the gears do not touch each other. Explain how the device works and explore its limitations. How does it depend on the arrangement of the magnets?



What the tournament looks like

Present your work



What the tournament looks like

**Discuss with your
opponents**



What the tournament looks like

Teamwork



What the tournament looks like

And lots of fun!





Interested?

Enter your name and email address here:
<https://forms.gle/iF8JD2qqjmtPzUze7>
(or scan the QR code)

More info and list of the problems on:
<https://iptnet.info/>

