

Olá!

Welcome to
PLANCKS 2021
Porto, Portugal



PLANCKS 2017 Trailer
<https://vimeo.com/199225073>

What is PLANCKS?

Physics League Across Numerous Countries for Kickass Students

- The Physics competition of IAPS
- Created in 2014 by NC The Netherlands
- Students compete in teams of 3 to 4 members
- The top three teams win prizes
- Scientific Symposium and Lab tours
- Socialising and exchange of ideas are two of the most important aspect!



Opening symposium of
PLANCKS 2014, in
Utrecht, the Netherlands.

PLANCKS 2019 Highlights

<https://www.facebook.com/PLANCKS2019/videos/1373023569503821>



PLANKS 2021

Online

#PLANCKATHON



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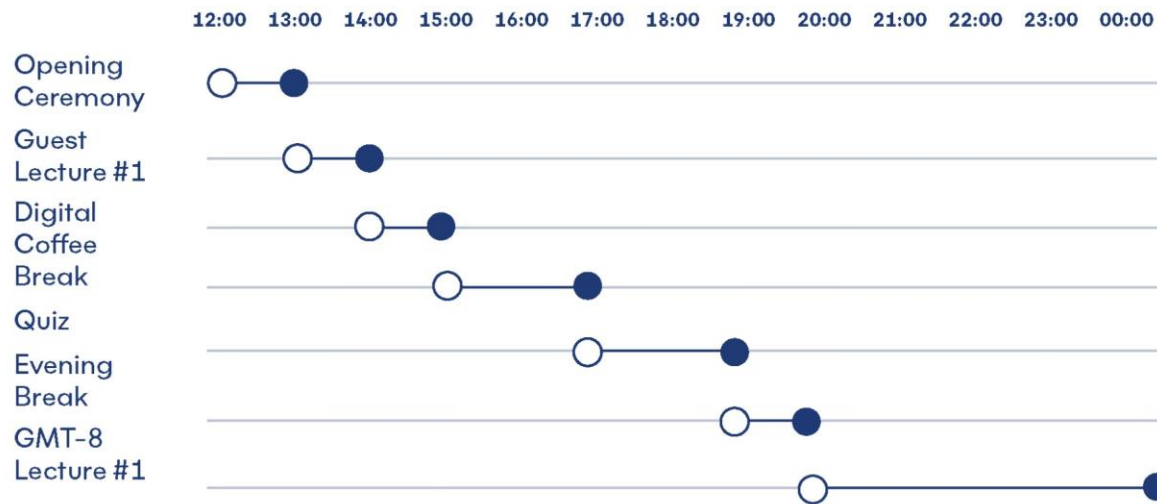


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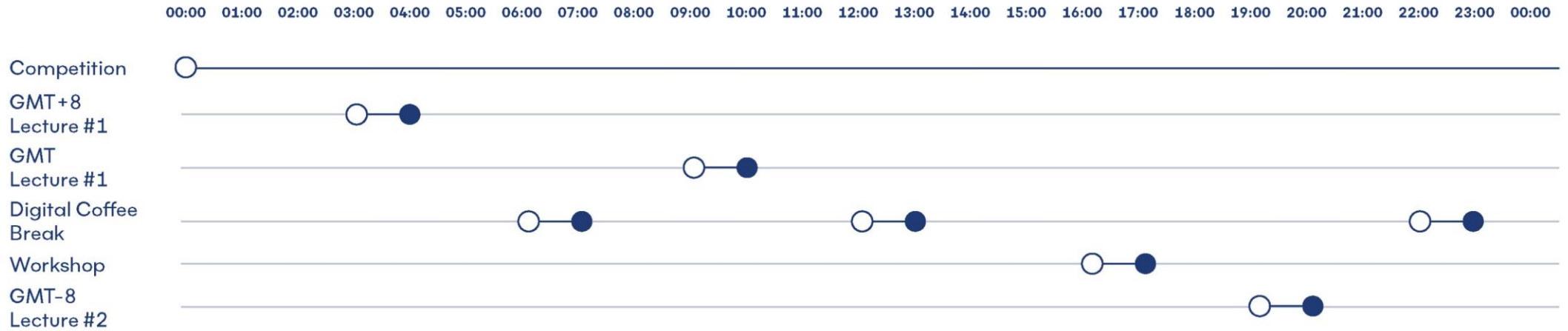
Programme

Thursday 06/05



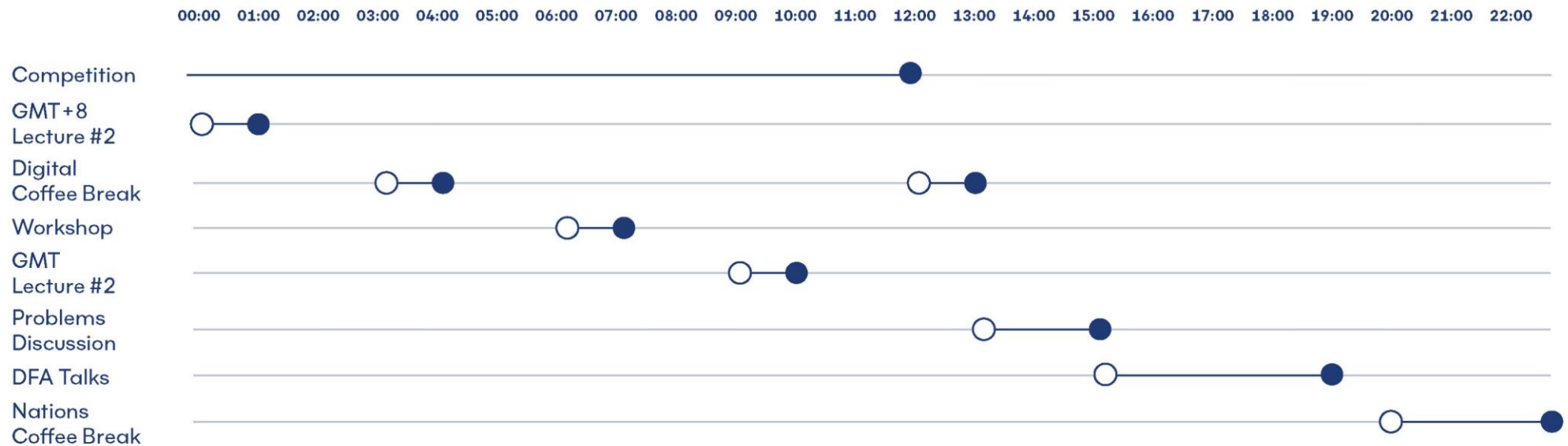
Programme

Friday 07/05



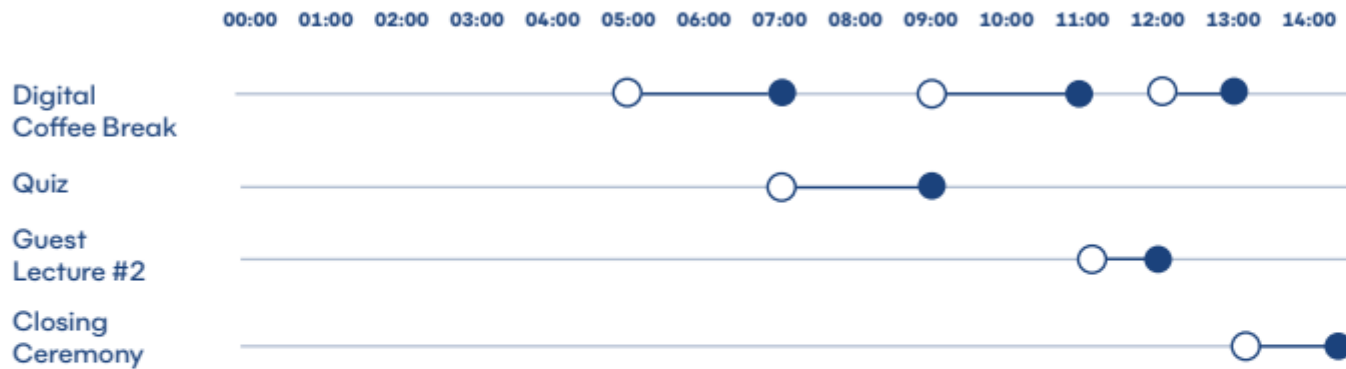
Programme

Saturday 08/05



Programme

Sunday 09/05



Platforms

Zoom

Webinar: for the lectures

500 Participants at a time

Only the speaker and host can talk and share the screen and give permission to the participants to speak

Each participant can raise his/her hand and ask questions

Can be live recorded and shared on Youtube and Facebook Live

Meeting: for socialising

Several meeting rooms can be created where the participants can talk and have different conversations during "Digital Coffee Breaks"

It will also be used for the planned social activities.

Platforms

Moodle

For submitting and correcting the competition problems

Each team will have an account and will be able to upload each problem

Markers (Professors, Post-docs and PhD students) have access to the uploaded solutions of their assigned problems

Discord

For contact between the participants and the OC

The OC can be directly contacted throughout the competition via Discord to assist and solve any issue that can occur

The participants can also talk with each other via this platform, increasing the engagement of the event

Guest Lecturers



Petra Rudolf

EPS President
Surface Physics
Groningen, The Netherlands



Tim Byrnes

Assistant Professor of Physics
at NYU Shanghai
Quantum Computing
Shanghai, China



Elvira Fortunato

Full Professor of Materials Science
at UNL
Material Physics
Lisbon, Portugal



Nuno Loureiro

Associate Professor at MIT
Nuclear/Plasma Physics
Boston, USA



Jocelyn Bell Burnell

Visiting Academic
at University of Oxford
Astronomy/Astrophysics
Oxford, UK



João Penedones

Assistant Professor at EPFL
Cosmology
Lausanne, Switzerland

Other activities

Workshops

Entrepreneurship

AI

Quantum Computing



Social Activities

Quiz

Wokshop Portuguese Stuff



How to participate?

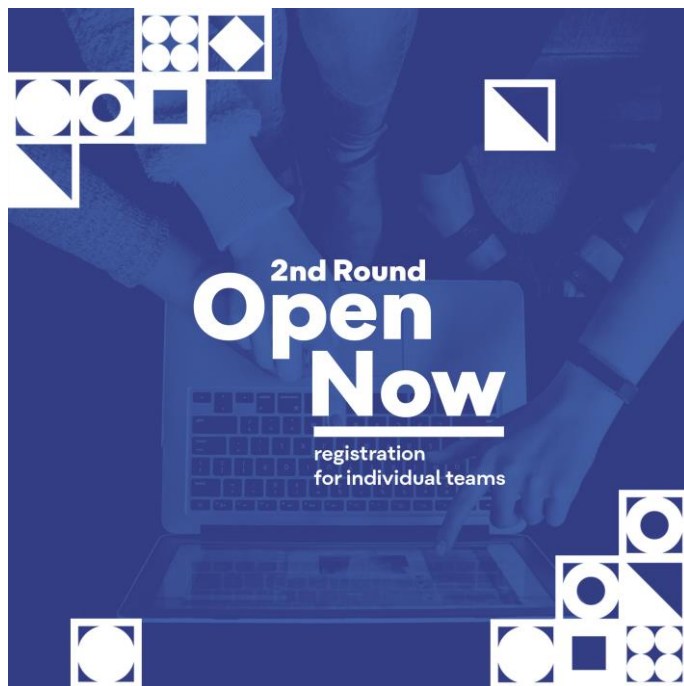
Via a Preliminary Competition

Some countries organize a preliminary to select the best team to represent them.

If you are from one of these countries, you will have to register for this preliminary event and qualify to participate in PLANCKS 2021.



How to participate?



As an individual team

If your country is not organising a preliminary, you can register directly with us.

If more than one team per country registers as an individual team, we will propose that country the organisation of a preliminary. If that is not possible, the team participating will be selected in a random way.



<https://events.iaps.info/event/8/>

Only open until Pi Day, March 14th!

How to participate?

Registration Fee

5 € per person (A team of 4 people = 20 €).
It includes:

- Access to all the planned activities
- Access to the **PLANCKS 2021 Discord** for communicating with other participants
- Chance of winning one of the **three PLANCKS 2021 prizes**
- Interaction with Guest Lecturers and Workshop Leaders and
- Unique items of PLANCKS 2021 **#PLANCKATHON merchandise** delivered to your team.



How to participate?



PLANCKS 2021 Global Grant

A grant in collaboration with **IAPS** will support the participation of **up to 10 teams** by offering the registration fee!

To apply, your team needs to:

- **Register** with us
- Write a **motivation letter**, stating why you want to take part in PLANCKS 2021
- Make a **short video**, explaining why you want to join us in May (*think outside the box!*)
- Send **financial status documents** outlining the need for the grant, if you want to

The documents and video need to be emailed to oc2021@plancks.org and ec@iaps.info and the video uploaded to a Social Media, with PLANCKS 2021 and IAPS tagged.

Sponsors

With the support of
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UNIVERSIDADE DO PORTO
DEPARTAMENTO DE FÍSICA
E ASTRONOMIA

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Top 10 Facts about PLANCKS 2021 Online

50 teams

8 Guest Lectures

2 Lecturers (at least) per Time Zone/Continent

12 problems

36h to complete the problems

Target fee 5€ per person

Prizes

1st: $(\hbar/2) \times 10^{37}$ (527.29€)

2nd: $(\hbar/3) \times 10^{37}$ (351.52€)

3rd: $(\hbar/4) \times 10^{37}$ (263.64€)

4 day event

Wide variety of activities

1st ever PLANCKS online

Adeus!



<https://2021.plancks.org/>



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