



Paris Center for Cosmological Physics

Matteo Barsuglia (directeur)

Giulia Vannoni (cheffe de projet)



<https://www.facebook.com/PCCP-Paris-centre-for-Cosmological-Physics-180714268617324/>



<https://twitter.com/pariscosmosmoot>

Education and outreach

- MOOC “Tempêtes gravitationnelles”.
- Enseigner l’Univers.
- Project Erasmus+ “FRONTIERS”.
- Univers 2.0 – Art and science.

Science and society

- Bourse Clermont – Tonnerre pour jeunes artistes.
- Starting programme on gender equality in physics.

Research

- Collaboration on KIDS with Nazarbayev University.
- Cosmology with gravitational waves (individual MSCA application)
- Communication and projects.

Education and outreach

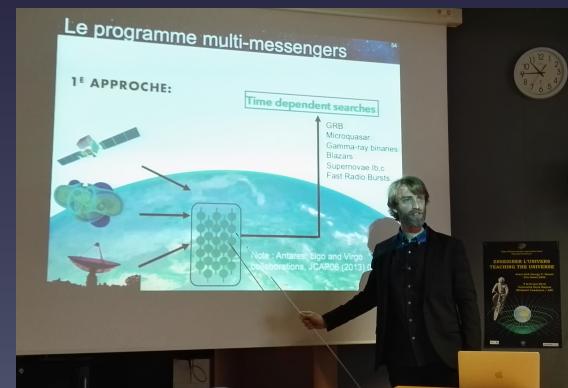
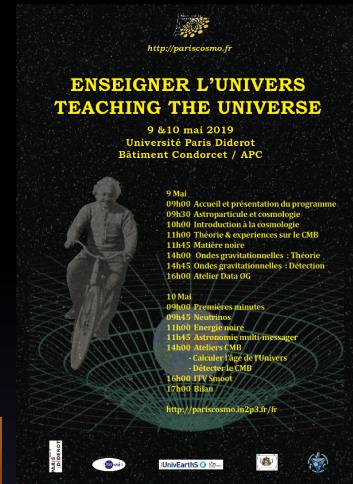
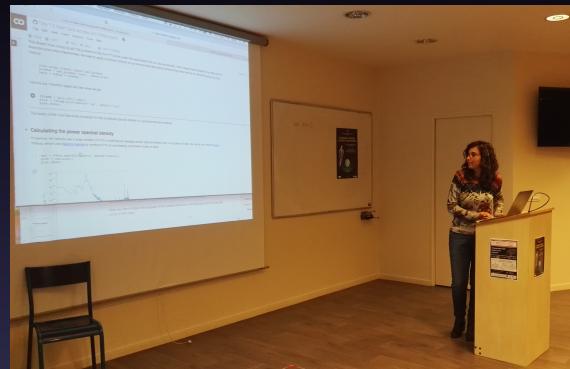
New MOOC "Tempêtes gravitationnelles": 4 weeks on gravitational wave astronomy (French).



Education and outreach

Enseigner l'Univers – 9/10 May 2019

- 28 high-school teachers.
- 12 APC researchers.



Education and outreach

Project Erasmus+ “FRONTIERS”

- European collaboration – Ireland, Greece, Portugal, Italy (EGO).
- National and European community.
- Pedagogical tools for teachers (20 Demonstrators).



First workshop with teachers – 30/11/19

Most successful of the collaboration
(38 teachers)

Science and society

Univers 2.0 – Project “Fondation Carasso” (2017– 2019)

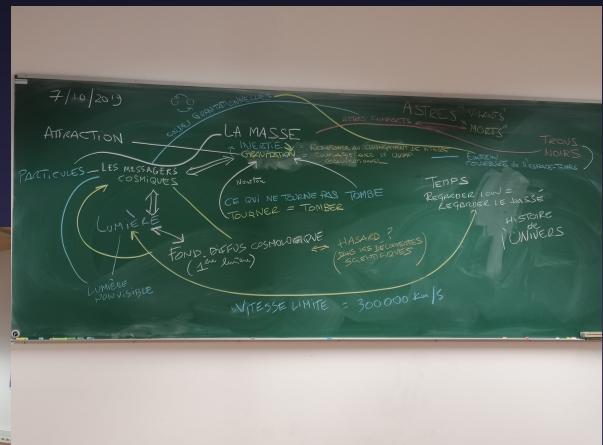
- Exhibit in Pisa “Il ritmo dello spazio”
- Booklet on project and exhibit.



Science and society

Bourse Clermont – Tonnerre pour jeunes artistes.

- 5 young artists from ESAD Reims.
- Residence Sept. – Dec. 2019.
- Tutoring programme: Matteo Barsuglia, Anne Lemière, Josquin Errand, Ken Ganga, Giulia Vannoni
- Exhibit beginning of 2020 at Université de Paris.



Science and society

PCCP programme on gender equality in physics (2020).

Preparatory workshop
next Monday!

2020 Action -
Simone Mastrogiovanni

Paris Centre for Cosmological Physics **Planning gender equality actions**

The Paris Centre for cosmological Physics (PCCP) is active in outreach and dissemination activities. During 2020, the PCCP will also pursue gender equality actions.

Register at: <https://indico.in2p3.fr/event/20110/>
Program

Date: 16th December 2019 Location: Amphitheater Pierre Gilles de Gennes

Morning session: Open to anyone who wishes to know more about gender equality actions in physics and PCCP activities.

Afternoon session: We welcome anybody willing to collaborate with 2020 PCCP gender equality activities.

09.30-10.00: Welcome with coffee

10.00-10.10: Introduction

10.10-10.50: L. D'Alessandro (Cancer Research Center Heidelberg - Equality and Diversity officer)

10.50-11.30: C. Hermann (Ecole Polytechnique, Association Femmes & Sciences and European Platform of Women Scientists EPWS)

11.30-11.50: Coffee break

11.50-12.30: A. Tonazzo (Astroparticule et cosmologie, French responsible GENERA project)

12.30-12.50: M. Barsuglia (Paris Centre for cosmological physics) ...

12.50-14.15: Lunch

14.15-15.45: Round table

15.45-16.00: Coffee break

16.00-17.00: Round Table



Research

- KIDS – Jie Hu → Postdoc renewed with Labex 2020.
In 2019, collaboration with Nazarbayev Un., Kazakhstan.
- Cosmology with gravitational waves – Simone
Mastrogiovanni → Postdoc renewed with Labex 2020 +
EGO (MSCA Individual fellowship submitted in Sept.
2019).

Communication and projects

- Social networks and community building:

<https://www.facebook.com/PCCP-Paris-centre-for-Cosmological-Physics-180714268617324/>

<https://twitter.com/pariscosmosmoot>

- New website online soon.
- Labex Univearths – Educational project PCCP funded.
- Project “Le Cosmos dans mon école” submitted to the call "Partage de la culture scientifique à Paris", Ville de Paris.
- Application to Fondation CFM (private fund).

PCCP/RFPU Activities 2020

- MOOC "Tempêtes gravitationnelles" – online on platform FUN.
 - MOOC in English and updates during 2020/2022 (Labex).
- "Teaching the Universe" 2020 in Greece (request by FRONTIERS partner).
- Project FRONTIERS and more – invited by Maison pour la science en Alsace (MSA) in Strasbourg Jan. 2020
- Art & Science – Bourse Clermont –Tonnerre.
- Gender equality in physics: action plan for 2020.
- Le Cosmos dans mon école (Paris and France, connection with FRONTIERS and gender equality actions, underprivileged areas).
- Workshop on Machine Learning in cosmology and gravitation – March 2020.