



Introduction et objectifs de la biennale 2026





Main Objective this year:

Our vision of APC in the wide context

- Clarify and Structure the Interplay between the main scientific questions relevant for us and:
 - our involvement in these questions
 - the experimental projects
 - the technological R&Ds
- Goals: (D.O.R. APC on July 8th, but also medium & long terms)
 - Future priorities
 - Allowing for emergence of new scientific and technological opportunities

Important Objectives as well:

- Working groups discussions
- Discuss together about the environmental charter
- Get to know each other better, and particularly our most recently arrived colleagues



Past biennales



Presqu'île du Ponant 2024



Presqu'île de Giens 2022



Biarritz 2019





Main outcomes from Biennale 2024

- PhD/Postdocs:

- Appointment of thesis referents
- New guide for PhD students
- PhD section in the welcome booklet

- Lab and Climate Crisis

- Creation of WG creating a draft of an “Ecological Charter”

- Lab life and internal communication

- Create a new logo
- Creation of “visitors offices” with a reservation system
- Screen installed in the “espace de convivialité”
- Overhaul of the welcome booklet & Creation of installation guide

- 20 years of APC

- Celebration event with the other labs of the UFR Physique

- Colloquia and Seminars

- New organization of colloquia with slots for groups

Let's get ready for great outcomes this year !



Main milestones and major events ahead [2026-2028]

- Transition to new Direction Team
 - 4 Directrices/Directeurs Adjoints have kindly accepted to join the team:
 - Davide Franco
 - Anne Lemière
 - Francesco Nitti
 - Cyrille Rosset
 - Interim from september to end 2026 (examined by section 04 in autumn)
 - Nomination in january 2027
 - Georgette Diaby (DA) and Guillaume Prévôt (DT) have kindly accepted to remain in charge

- New logo for APC [see next talk from Alex²]

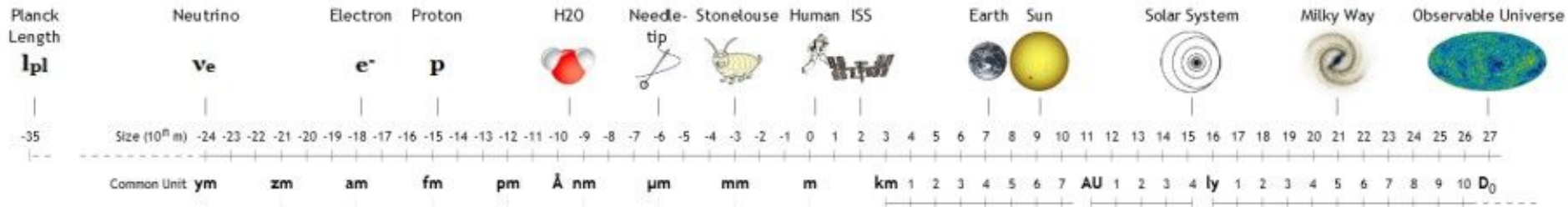


Main milestones and major events ahead [2026-2028]

- In the conclusion slides



Our vision of APC in the wide context: the 2 infinite



Standard Model of Particle Physics

- Quantum Physics Realm
- Describes fundamental interactions except gravity
- Spectacular successes (Higgs)
- Some of the major open questions:
 - Particles Mass hierarchy
 - Higgs Physics
 - Neutrino masses
 - Beyond the Standard Model ?

Our Sensorial World

Incompatible so far

Heavily related, Complementary Observations (Multimessenger)

Standard Model of Cosmology (Λ CDM)

- General Relativity Realm
- Describes the evolution of Large Scale Structure: CMB to Galaxy Clusters
- Spectacular successes (Planck, DESI)
- Some of the major open questions:
 - 25% Dark Matter
 - 70% Dark Energy
 - Origin of violent events
 - The primordial Universe ?
 - Gravity beyond GR ?



Major Open Questions

Dynamics of the Universe: Early stage and Evolution

- The early Universe:
 - Quantum Gravity
- Origin of cosmic structure:
 - Inflation
- Evolution of Large Scale Structure
 - Cosmological Constant

Matter/Energy content of the Universe

- Matter-antimatter asymmetry
- Neutrino physics
- Higgs Physics
- Beyond the standard model:
 - Dark Matter
 - Dark Energy

Nature of Spacetime & Gravity

- Gravity beyond GR
- Gravity in the strong regime
- Gravity at the quantum scale

The Violent Universe

- Multimessenger Universe
 - Gamma, X, GW, Neutrinos
 - Compact objects
 - Cosmic Accelerators



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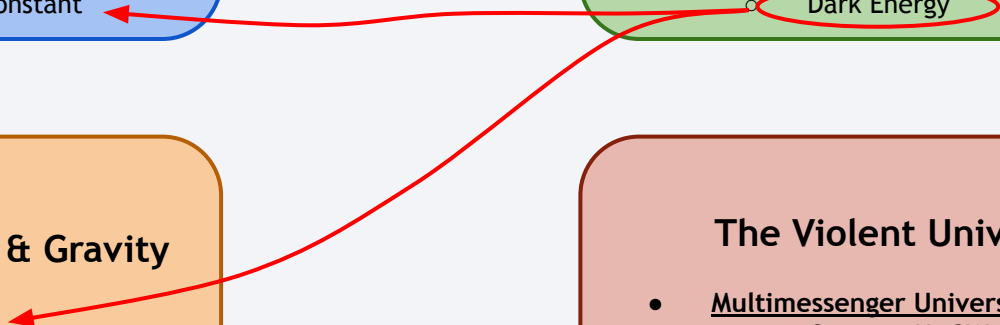
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 - **Dark Energy**

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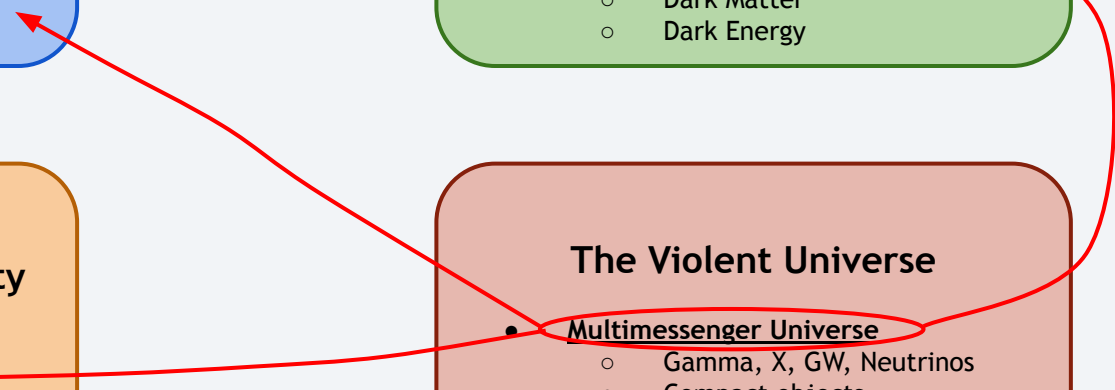
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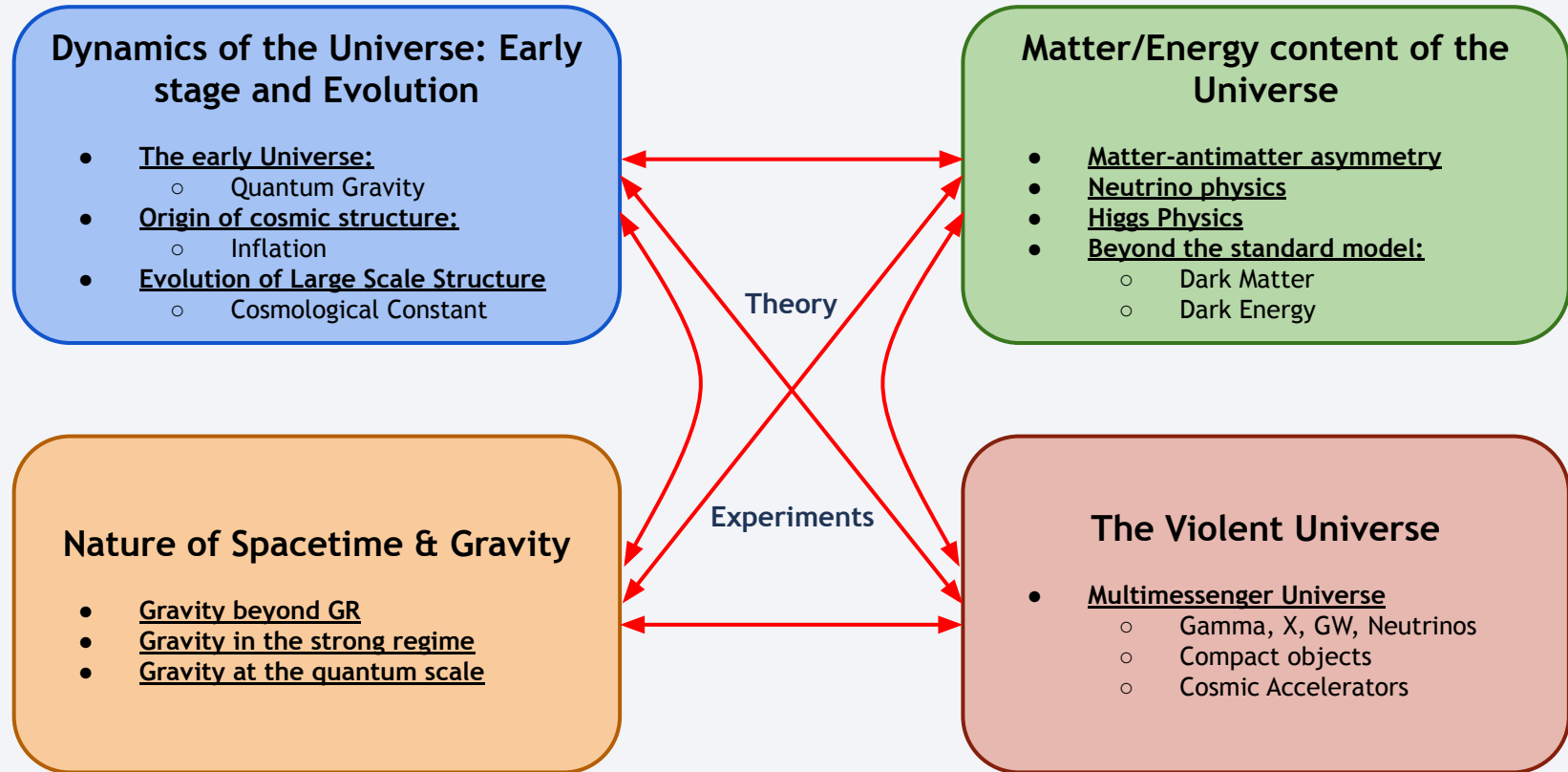
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Technological Excellence

Nature of Spacetime & Gravity

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Vision of APC: from Scientific objectives to projects

- Two sessions dedicated to these questions
 - Thursday 4/07 9h-10h10
 - Theory
 - Cosmology
 - High Energy Astrophysics
 - Thursday 4/07 11h50-13h
 - Technical services
 - Particles
 - Gravitation
- questions → objectives → activities → results → interactions → future
- Explore synergies, scientific and technical opportunities
- Technical challenges to be solved in order to reach objectives



Get to know each other

- 4 sessions of 5 x 6mins slots from newcomers

- Wednesday (today):

15:00 → 15:30 **Presentation Flash -- Session 1 [5 x 6 mins slots]** [🔗](#)
Eva ELKHOURY
Tanguy NEBUT
Justin ALBINET
Lukas Kerim ARDA
Franck LEGRAND

- Thursday (tomorrow):

11:20 → 11:50 **Presentation Flash -- Session 2 [5 x 6 mins slots]**
Anna PRETO
Olivier LIFSHITZ
Sébastien LE BIHAN
Malcolm LANDAIS
Gabrielle CHABAUD

15:30 → 16:00 **Presentation Flash -- Session 3 [5 x 6 mins slots]**
Sacha MUGNIER
Tom FOURNIER
Jennifer GRAPIN
Anand RAICHOOR
David Fernando FREITAS DA SILVA CAVALCANTE

- Friday (last day):

10:30 → 11:00 **Presentation Flash -- Session 4 [5 x 6 mins slots]**
Lucas PARDESSUS
Mariya MOLLOVA
Laurent MOINEAU
Théo COURTY
Mathieu RIARD



Environmental Charter: discussion on Thursday 14h

Discussion with everyone animated by Davide Franco and Miles Lindsey-Clark

- Results of the vote on some articles of the Environmental Charter
 - All articles except those related to professional travels and associated CO₂ emissions
- Presentation of a study of APC travel-related CO₂ emissions [D. Franco]
 - This work complements the previous analysis performed by the Ecology Working Group and aims to provide the Conseil de Laboratoire with quantitative tools to evaluate different emission-reduction scenarios and their potential impact on research activities.
- Presentation of the results of the laboratory-wide survey
 - Individual perceptions of the issue and on the level of personal commitment members are willing to make to address it.
- Open discussion based on the survey results
 - Goal: identifying possible directions for future emission-reduction scenarios to be evaluated quantitatively by the Conseil de Laboratoire.

**If you haven't done
so yet:**

**Please vote for
both the articles of
the environmental
charter & Lab-wide
survey !!!**

Before Wed. 20:00



Semaine Écologie Environnement Biodiversité 2026

Actualités Agenda Appels à candidature Espace Labos Librairie Annuaire Intranet cnrs.fr FAIRE UN DON

cnrs
ÉCOLOGIE & ENVIRONNEMENT

À propos Recherche Innovation International Talents SEEB 2026







Accueil > Agenda

Semaine Écologie Environnement Biodiversité 2026 - Sciences en actions : restaurer la nature, transformer les territoires

A - / A+

Partager ce contenu

 Du lun. 01.06.2026 au ven. 05.06.2026

 Partout en France, au Sénégal et au Portugal

Événements grand public



Feedback from the working groups

Vie du laboratoire et Budget investissement

Mercredi 3/07 - 16h30-17h15

Emilie Guet & Jean Mesquida

L'impact de l'IA sur nos pratiques de travail

Jeudi 4/07 - 10h10-10h55

Alexandre Boucaud & Philippe Bacon

Perspectives from PhD Students and Postdocs

Mercredi 4 - 16h-17h

*Lea Heckmann, Maxime Vincent
& Pierre Pichard*

Les risques psychosociaux au laboratoire

Vendredi 5 - 9h-9h45

*Isabelle Yvon, Matthieu Laporte
& Sabrina Sacerdoti*

Complete the quiz before Wed. 23:59 !



Timetable

MER. 3 JUIN



- | | | | |
|-------|---------|---|-------|
| 14:00 | → 14:30 | Introduction et objectifs de la biennale
Orateur: Jean-Christophe Hamilton (APC) | 🕒 30m |
| 14:30 | → 15:00 | Nouvelle charte graphique du laboratoire
Orateurs: Alexandra Claraz, Alexandre Boucaud (APC / IN2P3) | 🕒 30m |
| 15:00 | → 15:30 | Presentation Flash -- Session 1 [5 x 6 mins slots]
Eva ELKHOURY
Tanguy NEBUT
Justin ALBINET
Lukas Kerim ARDA
Franck LEGRAND | 🕒 30m |
| 15:30 | → 15:45 | Pause cafe | 🕒 15m |
| 15:45 | → 16:30 | Groupe de travail : Vie du laboratoire et Budget investissement
Orateurs: Emilie GUET (apc), Jean Mesquida (CNRS / Laboratoire APC) | 🕒 45m |
| 16:30 | → 17:15 | Groupe de travail : Scientific outreach and dissemination
Orateurs: Isabel Astrid Goos, Sarodia VYDELINGUM (APC/IN2P3) | 🕒 45m |



Timetable

JEU. 4 JUIN



09:00 → 10:10 **Vision sur le labo : des objectifs scientifiques aux projets -- Partie 1**

🕒 1h 10m

Théorie
Particules
Astro Hautes Energies

10:10 → 10:55 **Groupe de travail : L'impact de l'IA sur nos pratiques de travail**

🕒 45m

Orateurs: Alexandre Boucaud (APC / IN2P3), Philippe BACON (Laboratoire Astroparticule et Cosmologie)

10:55 → 11:20

Pause cafe

🕒 25m

11:20 → 11:50 **Presentation Flash -- Session 2 [5 x 6 mins slots]**

🕒 30m

Anna PRETO
Olivier LIFSHITZ
Sébastien LE BIHAN
Malcolm LANDAIS
Gabrielle CHABAUD

11:50 → 13:00 **Vision sur le labo : des objectifs scientifiques aux projets -- Partie 2**

🕒 1h 10m

Services techniques
Particules
Gravitation



Timetable

JEU. 4 JUIN		
14:00 → 15:30	Discussion sur la charte environnementale	🕒 1h 30m
15:30 → 16:00	Presentation Flash -- Session 3 [5 x 6 mins slots] Sacha MUGNIER Tom FOURNIER Jennifer GRAPIN Anand RAICHOOR David Fernando FREITAS DA SILVA CAVALCANTE	🕒 30m
16:00 → 17:00	Perspectives from PhD Students and Postdocs Orateurs: Lea Heckmann (APC), Maxime VINCENT (AstroParticule et Cosmologie), Pierre Pichard (APC)	🕒 1h
17:00 → 19:00	Activités collectives	🕒 2h



Timetable

VEN. 5 JUIN



09:00 → 09:45 **Groupe de travail : Les risques psychosociaux au laboratoire** [🔗](#) ⌚ 45m

Orateurs: Isabelle YVON, Matthieu Laporte, Sabrina SACERDOTI (APC-Paris,France)

10:00 → 10:30 **Pause cafe, photo et retour des clefs** ⌚ 30m

10:30 → 11:00 **Presentation Flash -- Session 4 [5 x 6 mins slots]** ⌚ 30m

Lucas PARDESSUS
Mariya MOLLOVA
Laurent MOINEAU
Théo COURTY
Mathieu RIARD

11:00 → 11:30 **Cryomat : une plateforme structurante pour APC** ⌚ 30m

Presentation de la plateforme et opportunités qu'elle offre aux activités du laboratoire

Orateurs: M. Jean-Pierre Thermeau (Laboratoire APC - CNRS/IN2P3 - Université Paris Cité), Michel Piat (APC - Université Paris Cité)

11:30 → 12:00 **Synthèse et conclusions** ⌚ 30m

Orateur: Jean-Christophe Hamilton (APC)



Additional informations

- Stages de 2nde (2 weeks from June 15th to 26th):
 - Topics and Animators missing for the second week (at least 3)
 - Small project doable in a few days, to be presented on the last day
 - Important for APC visibility and even more to transmit passion for science to teenagers
 - Please contact Kevin ! No one leaves this biennale if slots not filled ;-)
- A few guidelines before we start:
 - We need people to take notes !
 - Let's disconnect from our daily stuff and focus on being together
 - Great opportunity to get to know the persons you cross everyday but don't really know...
- Take nice pictures ! Send them to Sarodia !



Mutual Respect [full text on [Indico “Main Informations”](#)]

The goal of this assembly is to ensure broad and balanced participation.

- Priority is given to people who have not yet spoken; contributions should be concise.
- Participants are encouraged to be mindful of how much space they take in the discussion.
- Equal opportunity to speak does not happen automatically: without facilitation, discussions tend to be dominated by those most comfortable speaking publicly.
- These guidelines are intended not to restrict free expression, but to make it more inclusive by encouraging a diversity of voices, experiences, and perspectives.

