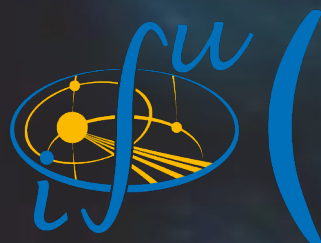


# Institute for the **Ph**ysics of the **U**niverse



Institut  
Physique de  
l'Univers  
Aix\*Marseille Université

*IPhU SCIENTIFIC ANIMATIONS*

*Stéphane BASA*



# A DIFFICULT CONTEXT

The 2021 call closed in January and the analysis of applications made in February.

But we have been delayed by AMU:

- The financial statements only arrived on April 22 and the result was much worse than expected.
- The outcomes to the applicants were then sent out in week 17.

For budgeted expenses linked to missions, a status and possible update of the budget will be discussed between the project and the IPhU Board of directors in June 2021 at the latest, in light of the sanitary situation at that time:

- It is very important that everyone plays the game well if we don't want to lose money.

# RESULTS CALL 2021

ID	PI name	Title	Leading Labs	Granted for 2021	
1	Samuel.boissier@lam.fr	The Low Surface Brightness universe: impact for galaxy evolution & cosmology	LAM, CPPM, CPT		3-months visitor (Jin KODA)
18	pralavor@cppm.in2p3.fr	Direct search for WIMP dark matter	CPPM, CPT, LAM; LUPM/IFAC	9000 € + 2000 € for the PhD environment	1 PhD + 2 months visitor (Oleksandra Veselska)
19	Christian.surace@lam.fr	ASTROINFO-2021	LAM, CPPM	3000 €	
20	stephane.basa@lam.fr	Operation of the COLIBRI robotic telescope	LAM, CPPM	15000 €	
21	stephane.arnouts@lam.fr, olivier.ilbert@lam.fr	Pix2LSST: from Pixel to Large Scale Structure with Vera Rubin Telescop	LAM, CPPM	7000 €	Co-funding of 2 LSSTs tickets
22	Olivier.Leroy@in2p3.fr	Search for New Physics using B to D(*) tau nu decays at LHCb	CPPM, CPT		The committee supported the project but in the end could not afford to fund the requested PhD student because of budget cuts
23	escoffier@cppm.in2p3.fr	The science of the next generation of large cosmological surveys	CPPM, LAM; IRAP	5000 €	
24	eric.jullo@lam.fr	Cosmology with Large Scale Surveys (CLASS)	LAM, CPPM, CPT	20000 € + 4000 € for the 2 PhDs environment	1 PhD + 1 week visitor (Louis Perenon)



# RESULTS CALL 2021

ID	PI name	Title	Leading Labs	Granted for 2021	
25	escoffier@cprm.in2p3.fr	Ecole de Gif 2021	CPRM, CPT, LAM	4000 €	
26	carlo.schimd@lam.fr	Radio@OHP, Radioastronomy at the Observatoire de Haute-Provence: a new window on the Universe	LAM, CPRM, OHP	0	The project was very much appreciated, but the requested budget was too high given the context. The Committee proposes to the applicant to help him consolidate the financial set-up of the project.
27	lorenzo@in2p3.fr	BSM Physics at the Terascale	CPRM, CPT; L2C, LUPM; IFIN-HH (Bucharest Univ.)	6000 €	3 to 4 1-month visitor (Ana Dumitriu)
28	triay@cpt.univ-mrs.fr	Theory of gravitation and variations in Cosmology	CPT, LAM	5000 €	
29	vincent.lebrun@lam.fr	From galaxies to cosmology with deep spectroscopic surveys - A tribute to Olivier Le Fevre	LAM, CPRM, CPT	5000 €	

# SOME RECOMMENDATIONS

**Dark Matter:** the Committee stresses that it is strategically important for the proponents of the project to develop an effective scientific animation about Dark Matter transverse to all science groups within IPhU.

**LFU,  $g-2$ ,...** : the Committee stresses that it is strategically important for people involved on the experimental and theoretical sides of studies related to beyond the standard model searches in quantum loop corrections, to develop an effective scientific animation within IPhU.

# NEXT CALL

**The call for 2022 is expected for December 2021.**

## **Budget for 2022 should allow:**

- For the funding of expenses on the projects (small equipment, operations and/or missions): **about 70 k€ available.**
- For the funding of **only 1 PhD student**: strongly encourage co-funding?

# **ACTION STILL PENDING**

## **Still need to set-up several tools to facilitate the communication:**

- Required tools:
  - A space to exchange documents and save minutes (Redmine, Indico, etc.).
  - A discussion forum (Rocketchat a priori).
- Action still in progress by SIP (OSU-Pytheas):
  - Allows the mutualization of the efforts of several AMU institutes.
  - Some delay with AMU.



# STATUS ON THE THEMATIC DAYS

## The first ones

- First two thematic days *Low mass resonances* and *Gravitation Waves, a new window to the Universe*.
- Given the context, organized by videoconference and recorded in order to allow the absent persons to follow the discussions (over half a day in order to keep a pleasant and dynamic format).
- Kind organizers:
  - Low mass resonances: Aoife Bharucha and Lorenzo Feligioni.
  - Gravitation Waves:
    - Kind organizers: Delphine Porquet, Eric Kajfasz, Christian Marinoni and Alejandro Perez.
    - 6-7 Jul 2021 (2 half days via Zoom): <https://indico.in2p3.fr/event/23862/>

## The next one:

- *IPhU day on neutrinos* (preliminary title).
- *IPhU day on LFV searches at collider* (June, TBC)



# AMU CALLS IN PROGRESS

***La campagne d'accueil d'enseignants-chercheurs invités 2022 a été lancée (FIR).***

Ensemble des documents (dossier de candidature, grille de rémunération, procédure de remboursement Frais de mission) ainsi que le MODUS OPERANDI relatifs à cette campagne disponibles dans AMUbox : <https://amubox.univ-amu.fr/s/5YTNmWdsHxGMZ5i>

Les candidatures, devront être transmises (en version électronique) au plus tard le 08 juin 2021 avant 16h.

***On ne passe par l'IPhU que les invitations mettant en jeu au moins 2 des 3 laboratoires: pensez à nous prévenir à l'avance!***