

INTENSITY

frontier

GDR-InF

<http://gdrintensityfrontier.in2p3.fr/>



IN2P3  
Les deux infinis



# Conseil de Groupement

13 Decembre 2019

***Aoife Bharucha (CPT Marseille)***  
***Francesco Polci (LPNHE Paris)***

# Conseil de groupement

The “conseil du groupement” plays an *advisory role in both the planning of the scientific programme and the general running of the GDR.*

It also *acts as a liaison between the GDR and the individual labs.*

- [Stephanie Roccia \(CSNSM\)](#)
- [Olivier Leroy \(CPPM\)](#)
- [Olivier Deschamps \(LPC\)](#)
- [Nazila Mahmoudi \(IPNL\)](#)
- [Stephane Lavignac \(IPhT, CEA\)](#)
- [Isabelle Ripp-Baudot \(IPHC\)](#)
- [Stephane T'Jampens \(LAPP\)](#)
- [Diego Guadagnoli \(LAPTh\)](#)
- [Marie-Helene Schune \(LAL\)](#)
- [Christopher Smith \(LPSC\)](#)
- [Sebastien Descotes-Genon \(LPT\)](#)
- [Mark Goodsell \(LPTHE\)](#)
- [Jérôme Charles \(CPT\)](#)



# GDR-InF goals



- Reinforce relations between **theory and experiment**
- Facilitate **collaborations between labs**
- Favour the emergence of **common projects**
- Provide **visibility** for the French intensity frontier community
- Promote the **young generation** of physicists working in the field
- Discuss the **future experiments probing the intensity frontier**



# Tools



- **Logo:** please, *put the logo on the websites/indico pages* of events supported/organised by the GDR-InF.

- **Mailing list:** [GDR-INTENSITYFRONTIER-L@IN2P3.FR](mailto:GDR-INTENSITYFRONTIER-L@IN2P3.FR)

*Do not hesitate to use it to announce:*

- *events of interest for the community*
- *jobs*
- *any other interesting topic for the GDR-InF community*

**Please invite your (new) students/postdocs/group members to sign up!**

- **Website:** *regularly updated, with latest news and links to previous and past events.*

<http://gdrintensityfrontier.in2p3.fr>

- **Dedicated indico area:** <https://indico.in2p3.fr/category/731/>

**INTENSITY**

*frontier*



# The evolution of the GDR-InF community



**2017**

- GDR-InF created on January
- 61 senior physicists
- 14 laboratories of IN2P3, INP, CEA
- Many students and postdocs

Allocated budget: 15000 euros

**LISTSERV.IN2P3.FR (1 List)**

List Names ▲	Subscribers
GDR-INTENSITYFRONTIER-L	82

**2018**

Allocated budget: 17000 + 1000 euros

List Name ▲	Subscribers
GDR-INTENSITYFRONTIER-L [Configure]	117 [View]

**2019:**

Allocated budget: 23000 euros

List Name ▲	Subscribers
GDR-INTENSITYFRONTIER-L [Configure]	136 [View]

Constant funding of INP over years (5000 euros) increasing funding from IN2P3

# The evolution of the GDR-InF community



***Number of mailing list members is not a perfect indicator:  
some people leave France but stay in the list.  
Still, it is a means to keep the community bounded!***

***New members welcome!***

***It is up to you to inform newcomers in your laboratory about the GDR-InF.  
Invite them to subscribe to the mailing list!***

***In January, will send a list of current members from your lab, so that you can  
verify and we can keep the list updated.***

# What are we doing?

We have now established some formats:

- dedicated to our aim to bind the community
- complementary to traditional workshops/conferences

## 1) Intensity lectures.

Lectures on a blackboard, theory and experiment alternated, recorded, possibly published (**note that attending PhD students can acquire credits**)

## 2) Intensity brainstorming

Following the model: white cards + roundtable

## 3) Topical workshops

To sit down and work on a specific subject

## 4) Supported workshops

Not directly organized by GDR-InF, but of interest for our community

## 5) The annual GDR meeting

To report on the activities, present the ongoing work in our community, hear from external speakers on topics/experiments on which we are not directly implied



# The 2019 agenda



Topical workshop on obtaining the photon polarization through  $B \rightarrow K\pi\gamma$  10th - 11th April at IPHC Strasbourg

GDR-InF lectures: "Gamma and Dalitz plot analyses ", by Anton Poluektov and Karim Trabelsi, LPNHE Paris, 28th - 29th May 2019

Workshop on QED corrections to (semi-)leptonic B decays, Paris, 8th - 9th July, 2019

7th  $b \rightarrow s$  II workshop, Lyon, 4th - 6th September, 2019

GDR-InF lectures: "Vub", by Aoife Bharucha and Patrick Owen, LPNHE Paris, 30th September-1st October 2019

GDR-InF Annual Workshop, Sommières , 4th-7th November 2019

Also supported RPP2020 and atelier BooST for January 2020.

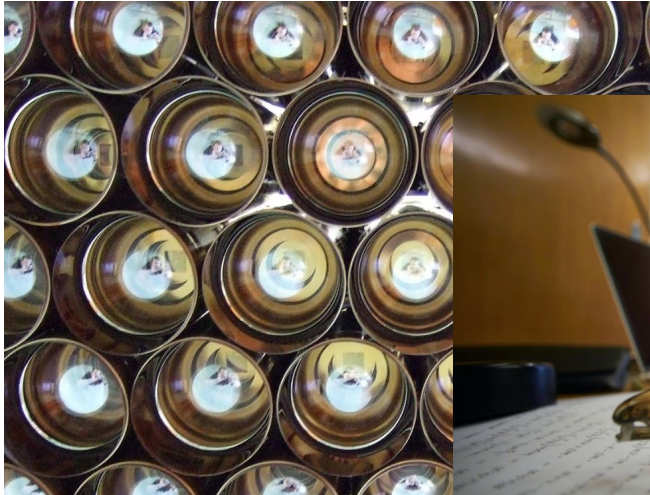
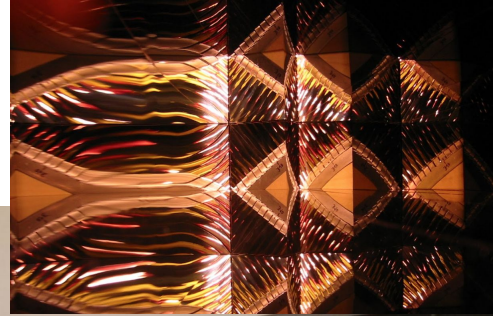


# A new initiative taking shape

As outreach event we have been organizing a photo exhibition that will be shown in various places in France (calendar to be decided)

An opportunity to talk about intensity frontier and particle physics in general.

Everyone invited to help. More news in January.



# Thank you to the GDR-InF WG conveners



## **CP violation:**

**Christopher Smith, Jean-Francois Marchand, Stephanie Roccia**

## **Rare, radiative and semi-leptonic B decays, Charm and Kaon Physics:**

**Diego Guadagnoli, Justine Serrano, Carla Marin-Benito**

## **Heavy flavour production and spectroscopy:**

**Michael Winn, Emi Kou**

## **Interplay of quark and lepton flavour:**

**Ana Teixeira, Yasmine Amhis, Peter Stangl**

## **Future experiments:**

**Mark Goodsell, Stephane Monteil, Giulio Dujany**



# Feedback on annual meeting

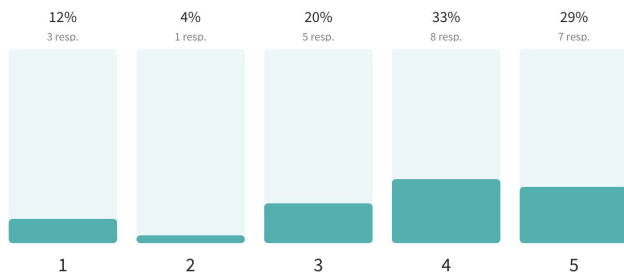


GDR-InF

How happy were you with the location of the Le Cart hotel in Sommières?

24 out of 24 answered

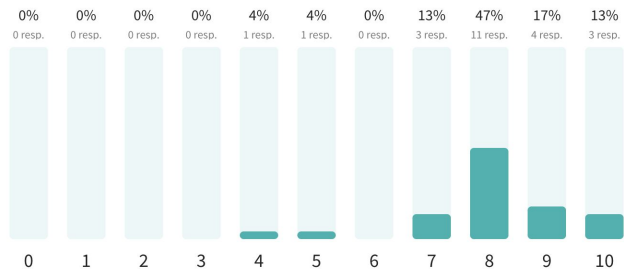
3.6 Average rating



How did you find the format of the meeting?

23 out of 24 answered

8.0 Average rating

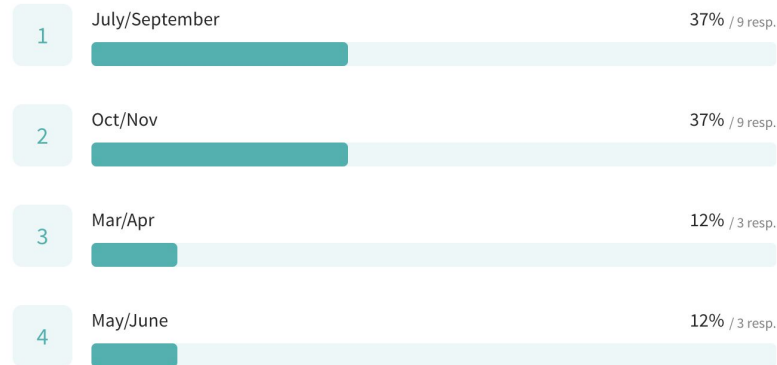


Not likely at all

Extremely likely

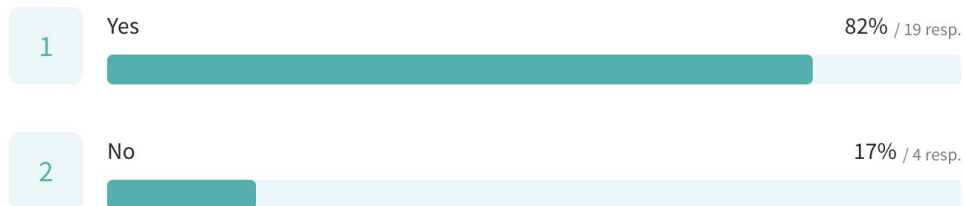
Would you prefer if this meeting was held at another period of the year?

24 out of 24 answered



Did you think the combined talks worked well?

23 out of 24 answered



# Votre feedback sur le GDR-InF?



**What should we change/improve/modify?**

**Where should we be putting the accent on 2020?**

**Are there further ideas to be pursued?**

**We are entering our 4th year: do you think the GDR-InF is working well? Is it useful? Is it fulfilling all its purposes?**

**(It is early now, but at the end of next year, we will need to start discussing if we want it to be renewed/evolved.)**