

INTENSITY

frontier

GDR-InF

Conveners
Meeting
12 Fevrier 2021

Aoife Bharucha, Francesco Polci

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

The GDR-InF organization



WORKING GROUPS AND CONVENERS

CP violation:

Christopher Smith, Jean-Francois Marchand, Stephanie Rocca

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

Diego Guadagnoli, Justine Serrano, Carla Marin-Benito

Heavy flavour production and spectroscopy:

Benjamin Audurier, Emi Kou

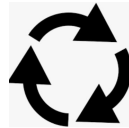
Interplay of quark and lepton flavour:

Ana Teixeira, Yasmine Amhis, Peter Stangl

Future experiments:

Mark Goodsell, Stephane Monteil, Giulio Dujany

* **New:** Olcyr Sumensari



COORDINATORS

Aoife Bharucha (CPT)
Francesco Polci (LPNHE)

CONSEIL DE GROUPEMENT

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

- **Website:** <http://gdrintensityfrontier.in2p3.fr/>
- **Indico:** <https://indico.in2p3.fr/category/731/>
- **Mailing list:** <https://listserv.in2p3.fr/cgi-bin/wa?A0=GDR-INTENSITYFRONTIER-L>
- **Mattermost team (NEW):**
https://mattermost.web.cern.ch/signup_user_complete/?id=3ji4se88hbnsppas5yazz4p8y

PLEASE! INVITE YOUR LAB MEMBERS TO JOIN THE MATTERMOST AND BE ACTIVE ON IT!

In the “town square” of the mattermost team we can exchange news and informations.

You can advertise, for example, thesis defense, your latest article published, a recent article that you find interesting for the community, a position opening in your team, etc....whatever might be of interest for the GDR-InF members!

Specific channel can be used for dedicated discussions (ex: hands-on projects channels)

FEEDBACK ON COMMUNITY TOOLS?

Overview of the past 4 years

Since the community needs change over time, we adopted an evolving model making use of recurrent formats.

Full list of past and upcoming events is [here](#) , including:

- Intensity-Frontier lectures (7)
- Brainstorming meetings (1)
- Topical GDR-InF workshops (5)
- Supported workshop (5)
- GDR-InF annual meeting (4)

In addition:

- Stimulated discussions and/or provided feedback for **ESPP/prospectives nationales**
- Prepared a **photo exhibition** “grand-public” for 2021

- We received the same budget as last year: 23k€
- We used ~3.3k€ to buy material that could be useful for future recordings and workshop in general:
 - iPad
 - Video-camera
 - Tripod
 - Microphone
 - Pointer
 - Memory card
- ~300 euros to complete the GDR-InF photo exposition (printing legends and panels)
- The rest has been given back to the institutes through the laboratories.



- Two cycles of lectures, online only (recording available on Indico):
 - **"Effective Field Theories Part I"**, by Adam Falkowski and Christoph Bobeth, 21st Sept-1st October 2020
 - **"FLAVIO"**, by Peter Stangl, 28th September 2020 (during the annual workshop)
- Workshops:
 - **b-baryon fest**, 5th-6th November, 2020 (online)
 - **Polarisation measurements in ee ep, pp and heavy-ions collisions**, (online), 14th-18th December, 2020
- Annual workshop (online)
- Finalization of GDR-InF photo exhibition: **WEBSITE**
- **Input for Plaque des GDRs** : being prepared by the IN2P3, should be available in 2021. We provided text and pictures for the GDR-InF.

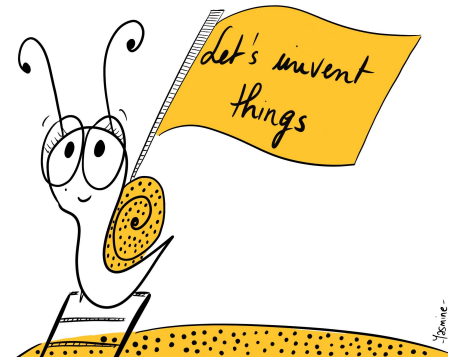
The annual meeting 2020

A *virtual event this year, spanning 3 weeks, consisting of:*

- Seminars by invited speakers
 - Young researchers sessions
 - “Hands-on” projects
 - Lectures
 - Coffee discussions
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- It was definitely needed, and worked quite well, thanks to the fact that we are already an established community.
 - We have definitely been missing real interactions and a totally virtual format would not work on the long term. In particular, difficult to settle an informal and friendly atmosphere for newcomers.
 - It allowed to experiment paths to be further pursued.

What is your feedback?

- 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**



Activities foreseen for 2021

- The full agenda is to be finalized with conveners, but we already foresee:
 - Lectures EFT part II
 - Axions++ : Axions And Other Light Particles, LPSC Grenoble,
 - Photo exhibition sessions (<http://gdrintensityfrontier.in2p3.fr/ExpoPhoto/>)
 - Annual meeting
 - **Other proposals to come (your suggestions!)**
- For the **annual workshop** we might want to try a mixed format:
 - keep it extended on 3 weeks, like this year
 - Have an initial or final session in presence

This should allow to profit of the advantages of this year format (ex: projects, invitation of people from far abroad), plus the advantage of meeting together

- We should finally have **photo exhibition** sessions (couple already planned, more to come)
- Report on the current GDR-InF and work towards renewing it.
- (<https://github.com/GDRIntensityFrontiers/GDRProposal/tree/master/Proposal>)