

## Proposal for a GDR: The Intensity Frontier

**The idea:** create a network enabling meetings between those studying theoretical and experimental aspects of intensity frontier physics within the French community.

### Motivation and objectives

- 1) Exchange ideas and knowledge.
- 2) Stimulate the emergence of common projects, facilitating the collaboration between different laboratories in France and between theoreticians and experimentalists.
- 3) Provide a greater visibility of the community on a national level.
- 4) Create an environment where PhD students can present their work and interact with the French community.

Anything else?

### Subjects

- Rare, radiative and semi-leptonic decays
- CP violation/charmless hadronic decays
- Heavy flavour production and spectroscopy
- Charm and Kaon physics (is there enough interest?)
- Lepton Flavour (Taonic/muonic decays/(g-2))
- Searches for hidden particles

Comments? Missing ones?

### Format

The plan would be to organize a general kick-off meeting, to get the whole community in touch and consolidating/defining collaborations.

This will be followed by a series of smaller meetings, more intimate and focused on a specific topic. Their format could be free, according to the specific needs (workshop, boot camp, other novel formats...). The emphasis of these smaller meetings would be on going into the details and brainstorming.

*In general we should avoid this being just one more workshop/conference. Comments?*

### Preliminary to do list

- 1) Decide if we are interested and we want to try this experience. **(TODAY)**
- 2) Identify additional potential members/groups. **(TODAY)** Some other experimental groups that we should contact are:
  - Edelweiss
  - Comet (Frédéric Kapusta)
  - g-2 (Frédéric Kapusta)
  - SHIP (Jacques Chaveau)
- 3) Identify potential conflicts with the existing GDRs, define interactions with them. **(TODAY)**
- 4) Discuss informally with in2p3 DAS: should the project be run in the theory or experimental side of in2p3?
- 5) Write down and submit the proposal.

Thanks already for comments and suggestions to come!  
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