

Welcome words

Yoann Kermaïdic

DUNE-France analysis workshop

April 18th, 2023

Why this workshop?

- **The DUNE-France community has steadily grown over the past years and this will continue**
 - Permanent staff (CR, DR, MCF, CPJ) (24)
+ Students (7 PhD) & Post-docs (5)
 - New groups joining
- **Wish from few people to gather in order to get to know each other and increase our common knowledge of DUNE**
- **We all have a common target with the Vertical Drift detector(s)**
 - Further developing a team spirit with new comers is what motivated most the organization of the workshop


Goals of this workshop


- **First workshop of this kind since VD has been approved**
 - We are not building a new working group!
 - Do not have too high expectations but this could be the 1st of a series if found to be relevant
 - We are not (always) the DUNE experts but we asked some of them to help us while preparing this meeting

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- **Trigger discussions on the detector design, data taking/analysis**
 - We wish to cover most of the sim/reco chain this time
 - ProtoDUNE-VD sim/reco Friday meetings do not receive so many questions / comments -> Please use this one day to express yourself!
 - **Get us prepared for the upcoming Module-0 simulation and data taking campaign!**

Agenda

14:00	Welcome words 366A-Klimt, APC	Yoann KERMAIDIC 14:00 - 14:15
	Round table : who are we? 366A-Klimt, APC	14:15 - 14:35
	Characterisation of a LArTPC 366A-Klimt, APC	Laura Zambelli et al. 14:35 - 15:20
15:00	Coffee break with home-made cakes & pies 366A-Klimt, APC	15:20 - 15:35
	Introduction to computing - Yoann & Elisabetta 366A-Klimt, APC	Elisabetta Pennacchio et al.  15:35 - 16:20
16:00	Generate the sample 366A-Klimt, APC	Thomas Kosc 16:20 - 16:50
	Simulate the sample 366A-Klimt, APC	Thibaut Houdy 16:50 - 17:20
17:00	Discussion : Which simulation exists and are missing? 366A-Klimt, APC	Vyacheslav Galymov 17:20 - 17:50

09:00	Reconstruct the sample 366A-Klimt, APC	Laura Zambelli  09:00 - 10:00
10:00	Light simulation and analysis 366A-Klimt, APC	Henrique Vieira de Souza 10:00 - 11:00
11:00	Coffee break with home-made cakes & pies 366A-Klimt, APC	11:00 - 11:30
12:00	Discussion : Module-0 opportunities - round table 366A-Klimt, APC	11:30 - 13:00
13:00		

Suggestions for a nearby after-work drink:
Le débonnaire & AUPPA Caminito