

DUNE-IN2P3 analysis news

13/12/2023

Analysis workshop #2 – IJCLab, 15-17/11/2023

- Lively discussion on reconstruction, systematics, oscillation fits, etc.
- Very interesting exchange with “external” experts (T2K, theory)
- Extremely nice atmosphere

<https://indico.in2p3.fr/event/30796/>



Thanks
Laura, Leïla
Thibaut, Yoann
!!!

Next:

- spring 2024
- in Annecy (?)
- on ProtoDUNE analyses (?)

News

- Wiki: <https://gitlab.in2p3.fr/dune-france/analysis-workshop/-/wikis/home>
- Slack channel: dune-fr-analysis-workshop2023
- Webpage : <https://dune.in2p3.fr/docs/dune-fr-general/>
- **VD TDR** on ArXiv: <https://arxiv.org/abs/2312.03130>
- **P5**: report <https://www.usparticlephysics.org/2023-p5-report/> + DUNE call on Friday
- Recent and upcoming conference talks
 - Leïla Haegel, “An overview of DUNE far detectors“, ACHEP 2023, Rabat
 - Camilo A. Cortes, ” Analysis and Simulation of Low-Energy Michel Electrons in ProtoDUNE VD”, COMHEP 2023, Ibagué, Colombia
 - Henrique Viera da Souza, “DUNE Vertical Drift TPC“, 11th international symposium on Large TPCs for low-energy rare event detection, Paris
 - Jaime Dawson, “The DUNE Project“, 11th international symposium on Large TPCs for low-energy rare event detection, Paris

Thanks
Laura, Leïla
Thibaut, Yoann

Thanks Camelia

News

WG updates :

- Simulation (Slavic)
- LBL (Anselmo)
- Atmospherics (?)
- Reconstruction (Yoann/Thibaut)
- VD prototype Analysis (Laura)
- Physics with PDS (Sabrina)

Please remember to update the "Census" spreadsheet (prepared by Camelia) →
Census2023_december + Activities_2023dec

https://docs.google.com/spreadsheets/d/1Dqsu9dPEBIRDKTS9sHMjS5Dq7m_B0kEX1sKaN95yyrg/edit#gid=28394486