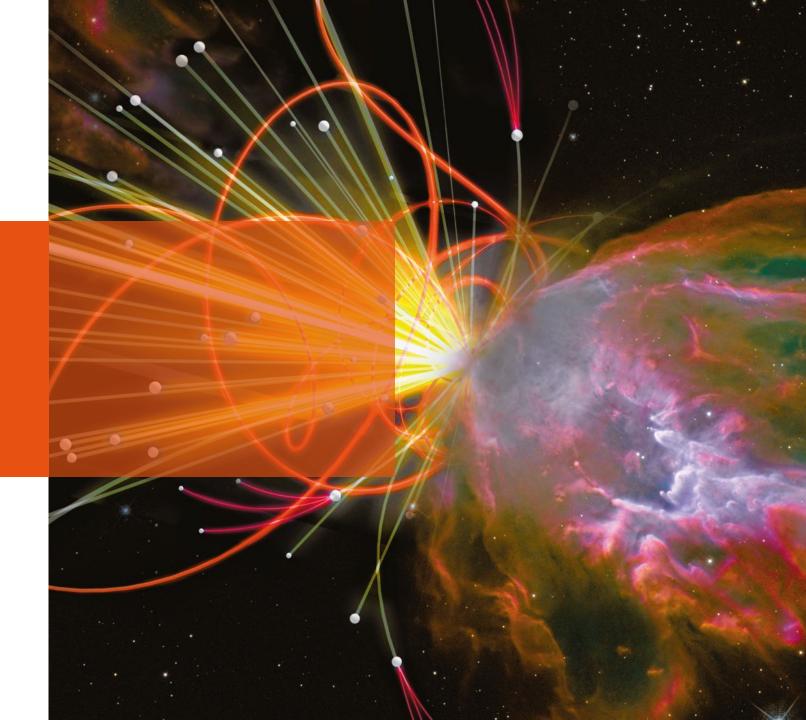


# YGGDRASIL festival tomorrow but better

Emmanuel Jullien
IPPOG meeting 24/04/2024



## A festival of imaginary worlds and the future

At Eurexpo Lyon Every year 1 weekend in February

30,000 visitors 21,000+ m<sup>2</sup> of exhibition space 240 exhibitors









# A preview of Yggdrasil in images

Heroïc Fantasy, Manga, Science fiction, video games, fantasy, etc.















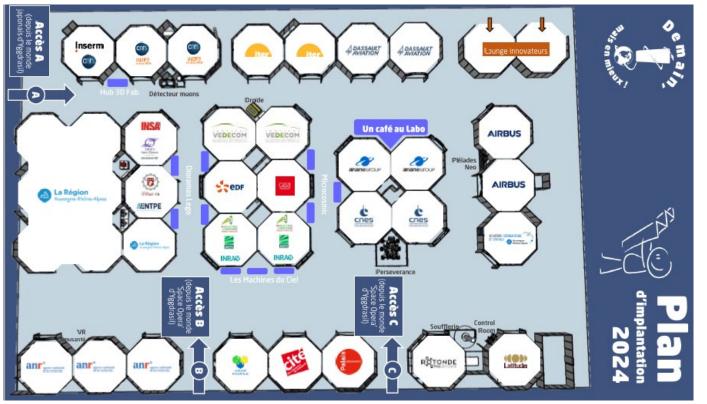
### A festival with several universes:

King Cross, Nautilus, Kohaku, Camelot, Starwars, Sherwood, Papanohida, Alexandrina and... « Tomorrow but better »



**Tomorrow but better**: A meeting place for the general public, science and new technologies since 2022

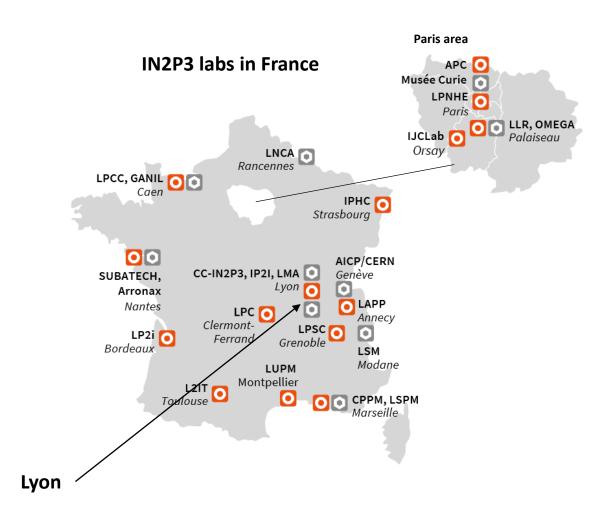
Including CNRS, CEA, CNES, Airbus, Ariane, ITER, Cité des Sciences, EDF,...





## Why IN2P3 took part in this edition

- Previous positive experience from partners, from CNRS and some of our scientists
- Lyon : central place for IN2P3 and its laboratories
- Major event at which other national institutions are represented: opportunity to organise a unifying event under the IN2P3 banner
- Opportunity to run a larger outreach operation under the IN2P3 banner





### Why IN2P3 took part in this edition

- To reinforce our communication on neutrinos (many experiments -> lot of people at IN2P3) and create reusable outreach content

JUNO experiment in China starts in 2025

DUNE experiment is under construction in Fermilab and Sandford in the US

HyperKamiokande is under construction in Japan

KM3NeT is under construction in France and Italy on the bottom of the mediterranean sea

T2K experiment restarts this year in Japan

...







Neutrinos are a key for futurs discoveries beyond standard model and for cosmology

Enfin des bonnes nouvelles du futur!

DEMAIN,
MAISTEN MIEUX!

ARBU

Es prototypes incroyables
of leurs chercheurs.

ARBU

Présente dans le cadre du festival yeadinant
festival yeadinan

# Why IN2P3 took part in this edition

- To meet a young, inquisitive audience, a target for recruitment purposes
- To meet a family audience that is far removed from science but open to it
- To experience an unusual place for outreach
- 2023-2024 is the school year of physics in France and 2024 is CERN70



### Our stand for the 2024 edition



KM3NeT and JUNO displays, computing server, ANTARES module, KM3NeT line



ANTARES module



Stand entry



Cosmic cabin, particle zoo, fog chamber



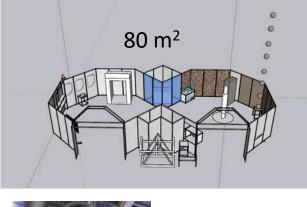
Particule Zoo (plush toys and pokemon cards)



JUNO detection plan



Demo computing server and DUNE artist's view





14-m KM3NeT line

# In images

#### https://phototheque.in2p3.fr/index.php?/category/2242















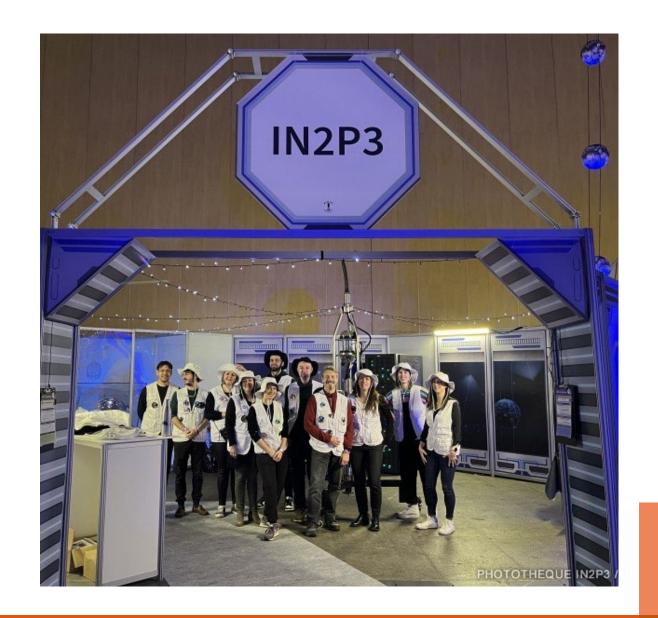
### In images

The "Café in the lab" was also an other original way to have discussions with the public. The guy with red hair is a researcher in the gravitational waves field, serving some drinks to the passing people and taking this opportunity for talking about his work.



#### In numbers

- 7 labs and 36 people mobilised in Lyon (for the setup, for communication, for animation)
- 5 months of preparation
- 1 afternoon to setup the stand with pieces coming from all the labs (1 hour to dismantle it)
- Relay of 22 scientists over the week-end (about 8 to 10 people in the stand at any moment)
- Film crews from communication teams
- Around 1000 à 2000 visitors on our stand
- Up to 48 774 impressions and 13,795 unique views on Twitter



#### On social media



Zoo des particules, chambre à brouillard, rencontre avec les neutrinos : rejoignez les scientifiques sur notre stand #DemainMaisEnMieux les 3-4 fév. à @eurexpo!

in2p3.cnrs.fr/fr/evenement/d... #AnnéePhysique @CNRS #CERN70 @CERN\_FR



9:40 AM · 2 févr. 2024 · 7 370 vues

7,371 impressions 184 engagements



4,938 impressions 267 engagements











6 videos shared live

CNRS Nucléaire & Particules @CNRS\_IN2P3 · 3 févr. ....

Au #FestivalYggdrasil, la chambre à brouillard •• vous donnera un aperçu des particules qui vous traversent à tout instant.

Du brouillard pour y voir plus clair, un paradoxe à découvrir sur le stand IN2P3 I

#DemainMaisEnMieux #Yggdrasil

48,774 impressions 1,174 engagements 13,795 unique views



### New outreach ressources



Sets of 18 pokemon cards

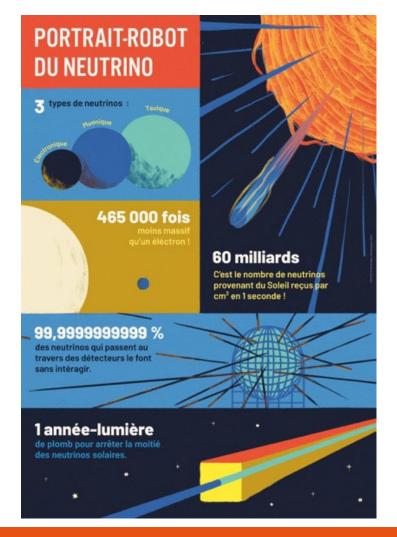
Original Al-generated visual integrated into a Pokemon card-type cartridge.

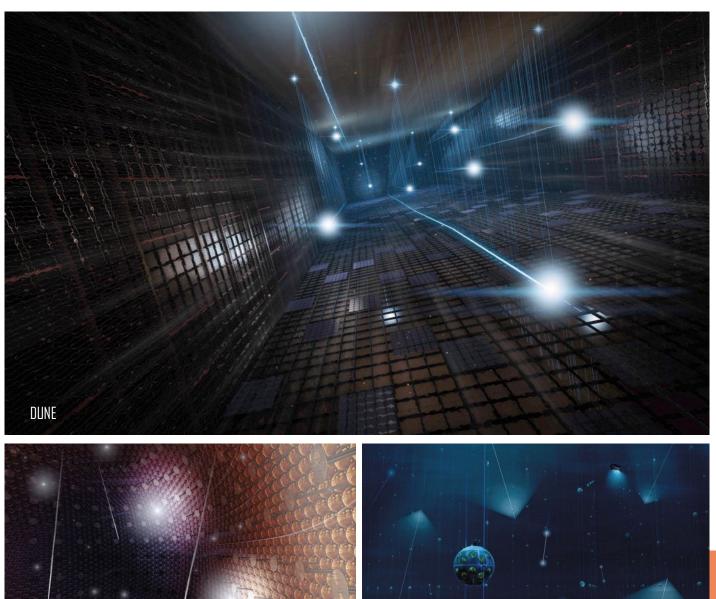


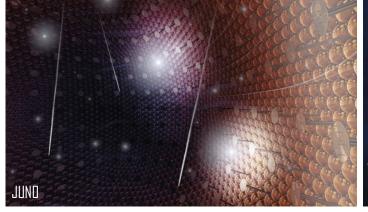
Mediation support booklet for presenters. History, the standard model, natural and artificial sources, oscillations, major experiments around the world.



## New posters and artists' views









# A successful experience, to be repeated?



Thank you for your attention

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