Session Program

14–16 mai 2025

2025 Joint workshop of FKPPN and TYL/FJPPN

Parallel FJPPN

LS2N, Campus Lombarderie - Nantes University
2 Chemin de la Houssinière BP 92208 44322 Nantes Cedex 3

mer. 14 mai

14:00

Parallel FJPPN: Session I

Session | **Site:** LS2N, Campus Lombarderie - Nantes University, 2 Chemin de la Houssinière BP 92208 44322 Nantes Cedex 3

14:00 – 14:20 **A path toward the discovery of the Higgs-pair production in ATLAS (ATLAS HH)**

Orateur
Marco Delmastro

14:20 – 14:40 **Flavour physics at Higgs factories**

Orateur
Roman Poeschl

14:40 – 15:00 **Testbeams with the highly granular SiW ECAL and implementation of timing information**

Orateur
Dr Taikan Suehara

15:00 – 15:20 **Characterization of the upgraded J-PARC neutrino beam for T2K-II and HK experiments**

Orateurs
Claire Dalmazzone, Claire Dalmazzone

15:20 – 15:40 **Neutrino cross section measurements with the current and upgraded T2K near detectors**

Orateur
Andrés Muñoz

15:40 – 16:00
Upgrade of the reconstruction algorithms from Super-Kamiokande era towards Hyper-Kamiokande

Orateur
M. Benjamin Quilain

16:00 – 16:20 **Coffee break**

16:20 – 16:40 **Development of precision timing silicon detector (LGAD) for future collider experiments**

Orateur
Dominique Marchand

16:40 – 17:00
Study of modern FPGA device and associated new technology, and search for possible application in High Energy experiments

Orateur
Yun-Tsung Lai

17:00 – 17:20 **Toward the design of the TPC at future colliders**

Orateur
Shinya Narita

17:20 – 17:40 **Bootstraping mAps development in a SHared Investigation (BASHI)**

Orateur
Yuta Okazaki

17:40 – 18:00 **Start-to-end simulation of positron sources for future colliders**

18:00

Orateur
Fahad ALHARTHI

ven. 16 mai

09:00

Parallel FJPPN: Session II

Session | **Site:** LS2N, Campus Lombarderie - Nantes University, 2 Chemin de la Houssinière BP 92208 44322 Nantes Cedex 3

09:00 – 09:20

Commissioning and further development of cryogenic readout electronics for LAr-TPC applications

Orateur
Ritsuya Hosokawa

09:20 – 09:40

Evaluation of Temporal Resolution in Monolithic Pixel Sensors Using Time-Structured X-rays at a Synchrotron Facility

Orateur
Fabienne ORSINI

09:40 – 10:00

Continued effort towards ultimate performance for accelerator cavities

Orateur
Fabien EOZENOU

10:00 – 10:20

Robotisation of clean room assembly

Orateur
Julien Drant

10:20 – 10:40

Diagnostics and bunker design for a high-performance cryomodule test facility at KEK

Orateur
Enrico Cenni

10:40