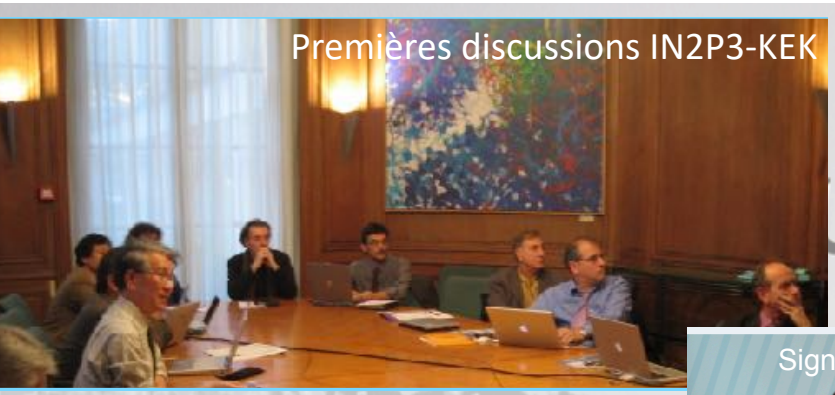
# FJPPN (TYNet)




Emi Kou (IJCLab), 1st July, 2024 at CNRS

Toshiko Yuasa: First Japanese female physicist, researcher at CNRS/IPNO in 1949-1975.
In 2008, M. Spiro proposed her name for our collaboration.


Premières discussions IN2P3-KEK

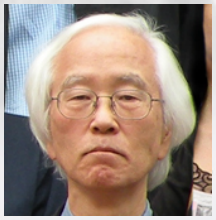

Signature de l'extension 2018-2022 à Nara, mai 2018


Signature de l'extension 2014-2018
@Bordeaux


Signature de la creation de TYL, 2023 @ Tokyo

# A little bit of FJPPL(N) History

**2006** — *Creation of FJPPL*


J 2006-2011
F. Takasaki

**2010** — *1st extension*


F 2006-2015
D. Perret-Gallix


F 2015-2018
P. Bambade

**2014** — *2nd extension*


J 2011-2019
J. Haba


F 2018-2023
I Ripp-Baudot

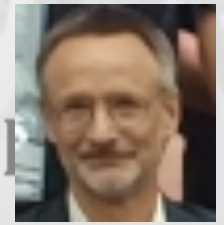
**2018** — *3rd extension*


J 2019-now
S.Hashimoto

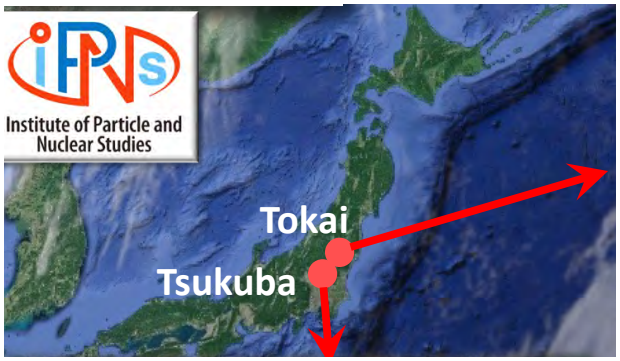
**2023** — *Creation of TYL*


F 2023-now
E. Kou

**2024** — *Creation of FJPPN*


F 2015-now
M. Besancon

# Japanese main partner: KEK




- Established in 1997
- Inter-University Research Institute since 2004
- DG: Shoji ASAI (2024-)
- Annual budget: ~270 million euros (’21)
- Personel: 723 staffs (’21)
- The largest Accelerator Particle Physics facility in the Asia-Pacific region



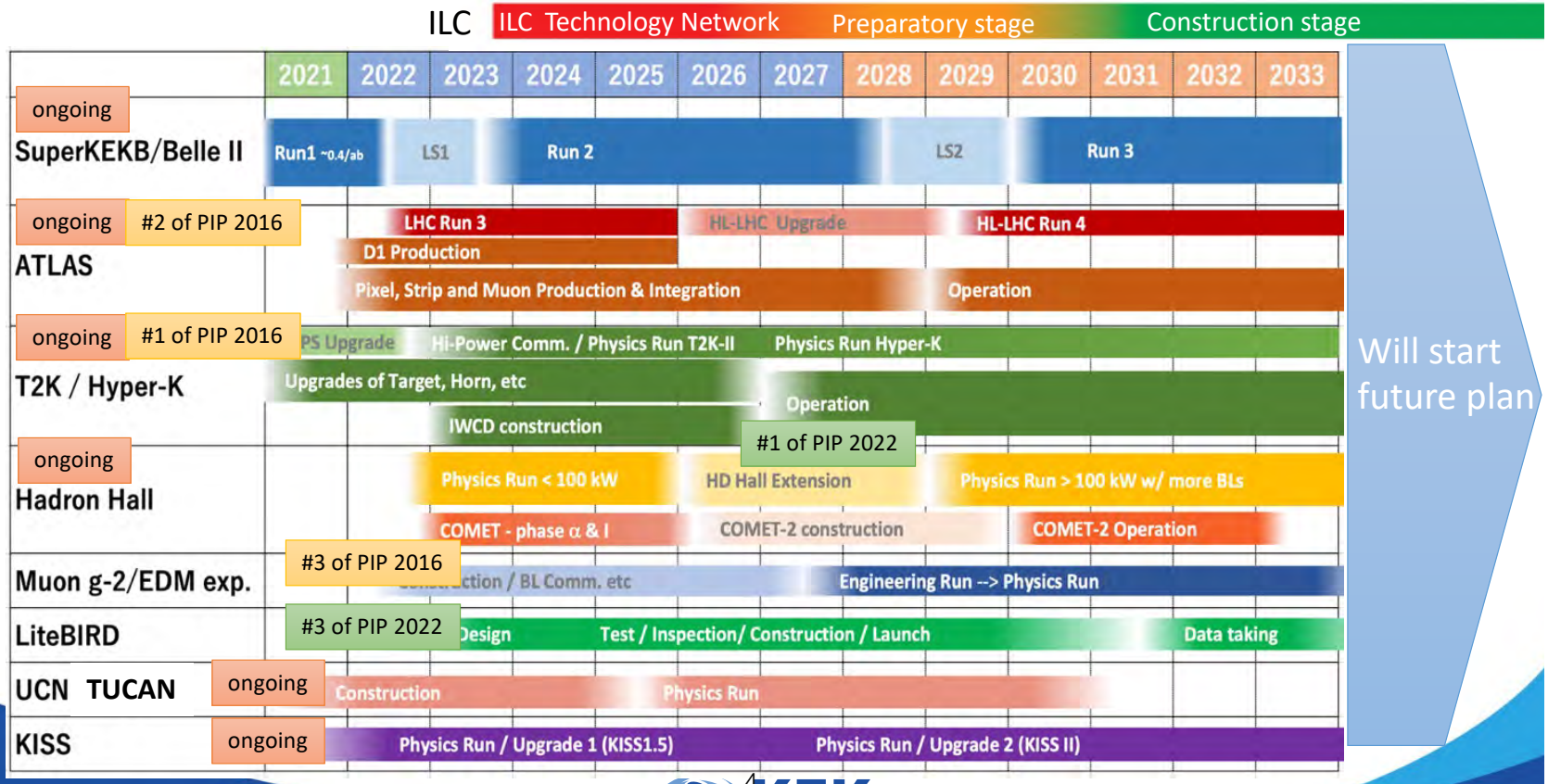
# KEK roadmap

From slide by N. Saitoh at FJPPN/ FKPPN workshop in May 2024

- Aggressive version of intended schedule by IPNS.
- PIP = Project Implementation Plan

PIP2016
1. Hyper-K /J-PARC upgrades
2. HL-LHC
3. muon g-2/EDM
4. HEF extension

PIP2022
1. HEF extension
2. HL-LHC++
3. LiteBIRD
4. Muon Microscope



# ~~TYL-FJPPL~~ ⇒ FJPPN (TYNet)




CNRS International Corporation tools

UMI → **IRL**
**LIA** → **IRN**
GDRI → IRP
PICS → IEA

**CNRS international cooperation tools**

| International Emerging Actions (IEA) | International Research Networks (IRN) | International Research Projects (IRP) | International Research Laboratories (IRL) |
|---|---|---|---|
| Bottom-up exploration tool | Strengthening a collaboration | | Enlightening emblematic actions decided at a strategic level with a strong local presence |
| Building a capacity to develop our strategic orientations | Simplifying international agreement processes | | |

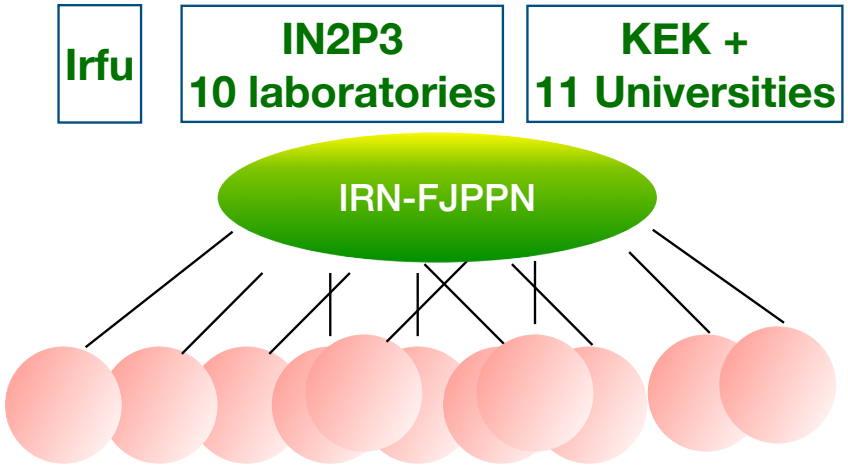
- FJPPL (TYL) as LIA since 2006
- Creation of **IRL (=TYL)** in 2023!
  - ➡ IRL is a "*French laboratory with wall*" in Japan, with director permanently at KEK *!*
- Creation of **IRN in 2024 = FJPPN (TYNet)**

*A little confusion…*

A new logo and a new web site for FJPPN (TYNet) in preparation!

Based on memorandum agreed by the partners (January 2024)

# IRL-IRN Organisation

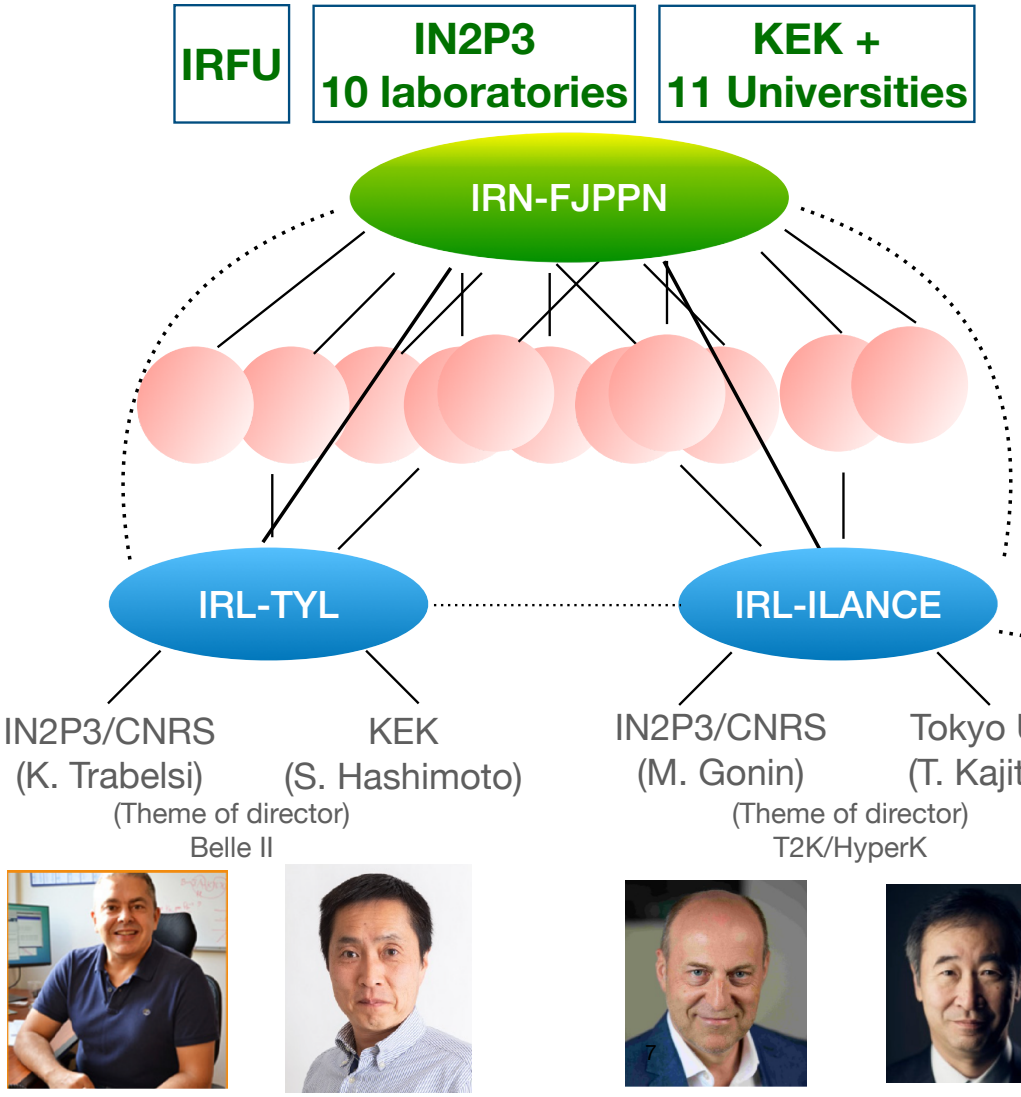



Particle Physics
Accelerator/Detector R&D
Astro Particle Physics
Application for health and environment
……..

**>300 participants**
**with ~40 PhD students**

Based on memorandum agreed by the partners (January 2024)

# IRL-IRN Organisation




Particle Physics
Accelerator/Detector R&D
Astro Particle Physics
Application for health and environment
……..

**>300 participants with ~40 PhD students**

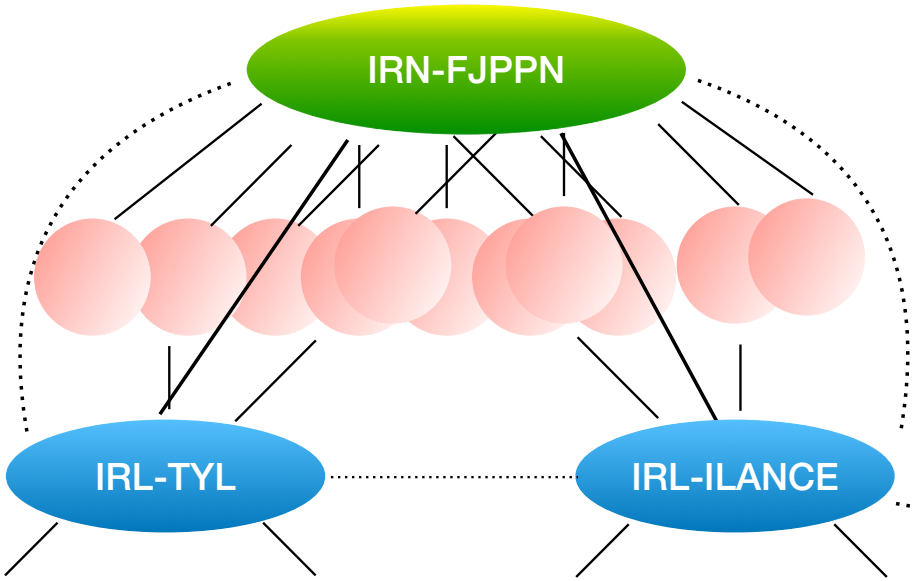
CNRS & Tokyo U



Based on memorandum agreed by the partners (January 2024)

# IRL-IRN Organisation

**IRFU** | **IN2P3 10 laboratories** | **KEK + 11 Universities**




Particle Physics
Accelerator/Detector R&D
Astro Particle Physics
Application for health and environment
……..

**>300 participants with ~40 PhD students**

**Coordination board**
**EK as chair**

IN2P3/CNRS (K. Trabelsi) — KEK (S. Hashimoto)
(Theme of director) Belle II

IN2P3/CNRS (M. Gonin) — Tokyo U. (T. Kajita)
(Theme of director) T2K/HyperK

CNRS & Tokyo U

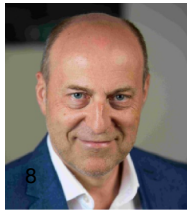



Jacque Maleval
(CNRS Tokyo office)











Based on memorandum agreed by the partners (January 2024)

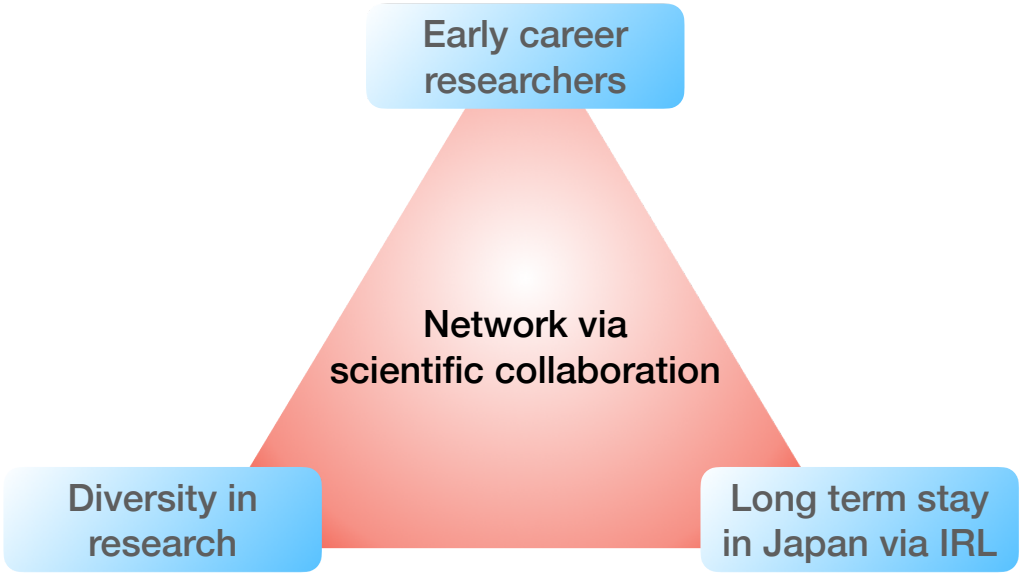
# FJPPN (TYNet)

## Institutional Council

| 🇯🇵 | 🇫🇷 |
|---|---|
| Director General of KEK or representative<br>Executive Director of KEK (International Relations) | Director of IN2P3 or representative<br>Director of Irfu or representative |

## Co-Directors

| 🇯🇵 | 🇫🇷 |
|---|---|
| Shoji Hashimoto (KEK) | Emi Kou (IN2P3)<br>Marc Besancon (Irfu), deputy co-director |



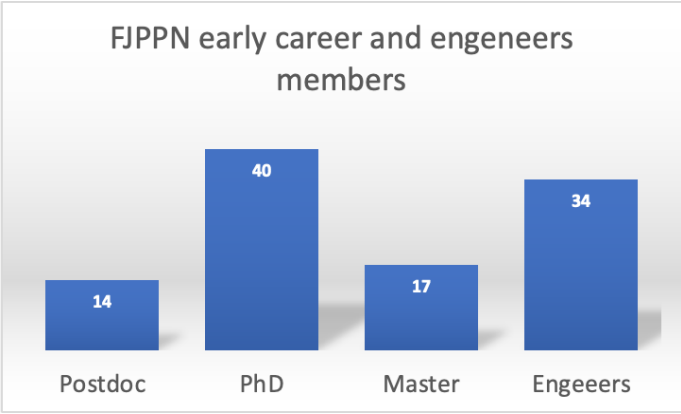

## Scientific evaluation committee

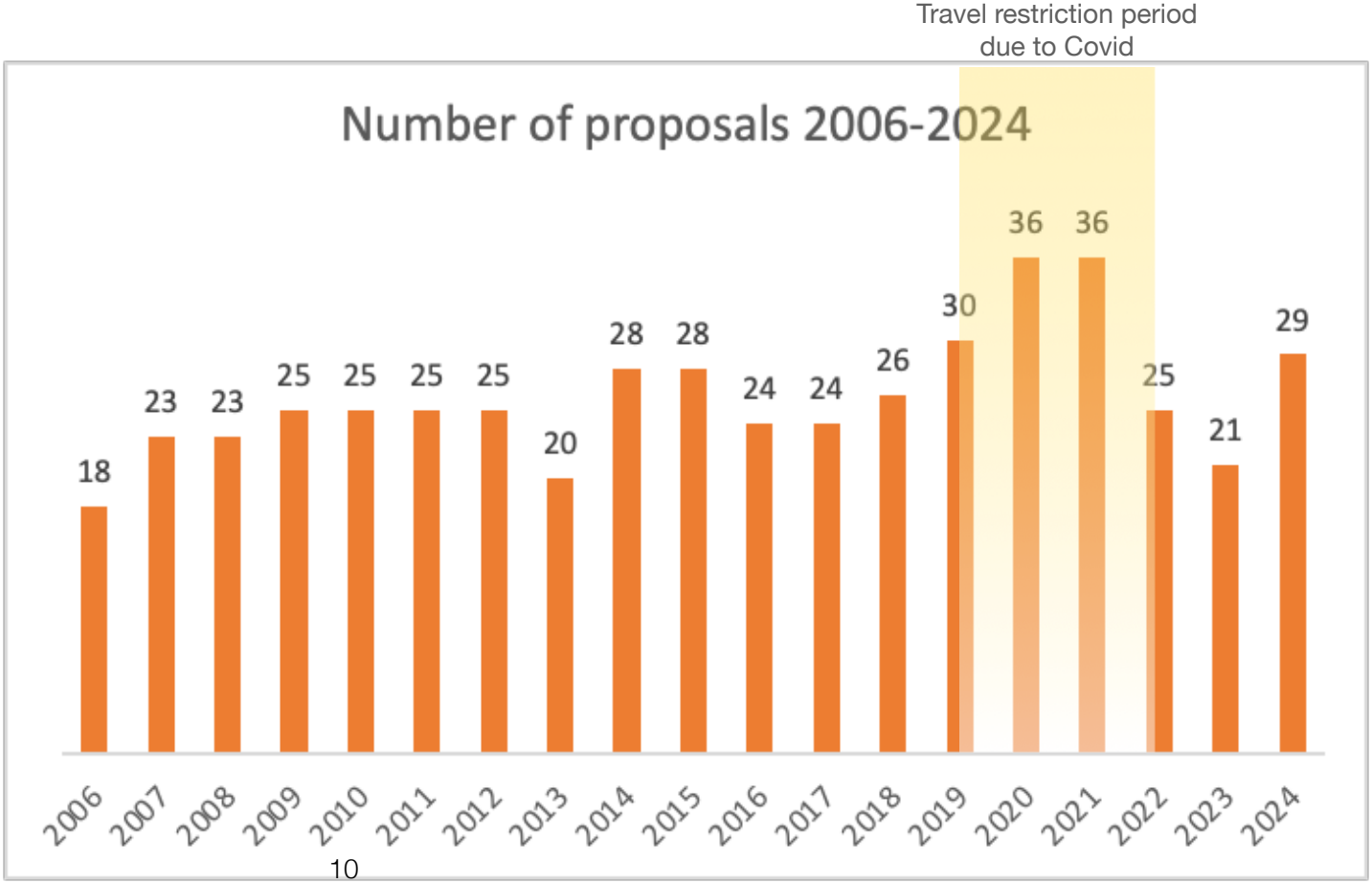
| | |
|---|---|
| 🇫🇷 | Cristina Carloganu (IN2P3/LPC)<br>Jose Ocaris (IN2P3/LPNHE) -> to be replaced<br>Juliette Plouin (CEA/Irfu/DACM)<br>Samira Hassani (CEA/Irfu/DPhP) |
| 🇯🇵 | Shoji Uno (IPNS-KEK)<br>Satoshi Mihara (IPNS-KEK)<br>Mitsushiro Yoshida (Acc Lab KEK)<br>Masao Kuriki (Hiroshima University) |

# FJPPN (TYNet) projects

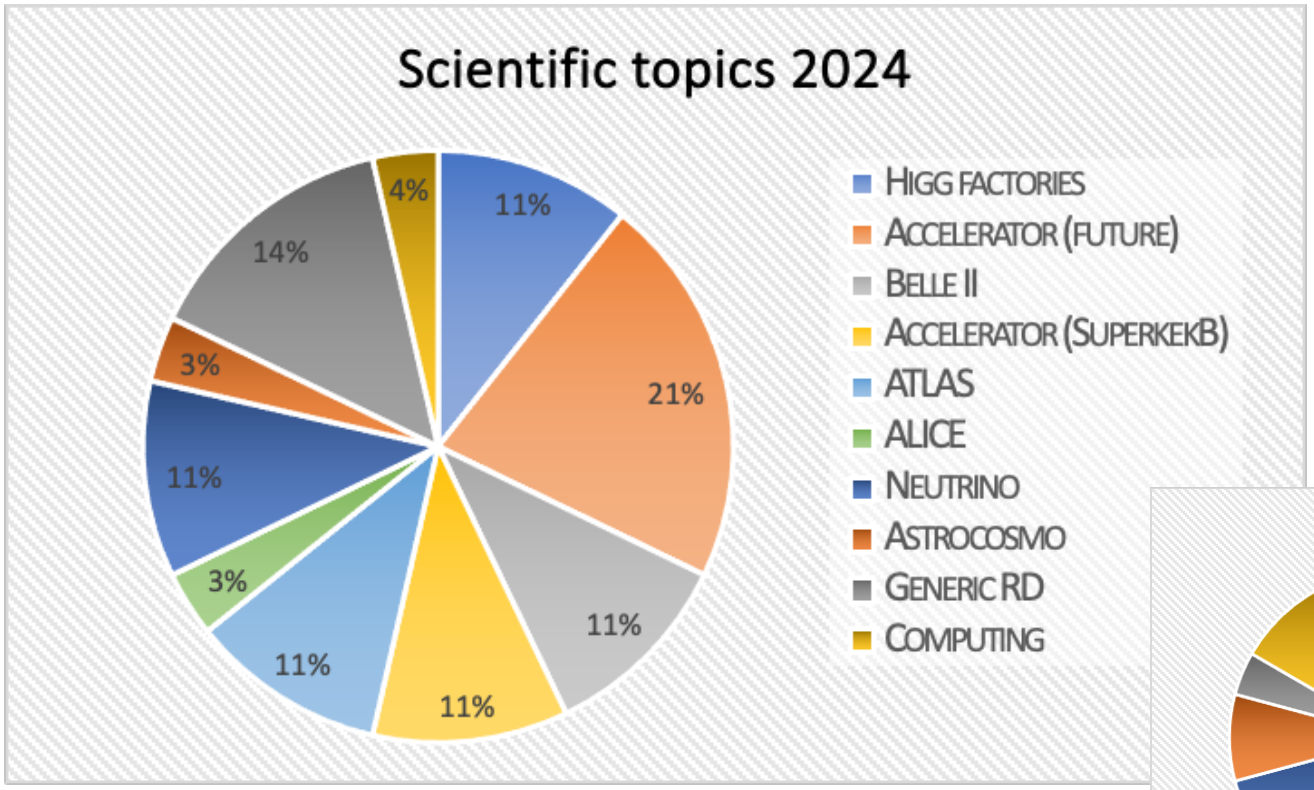
Exchange of researchers (extension up to 4 years)

380 participants (2024), among which
71 early carrier researchers, 34 engineers



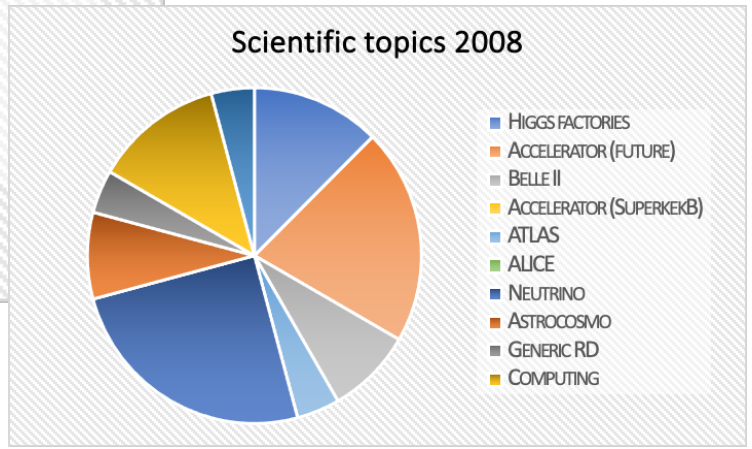



# FJPPN (TYNet) science 2024

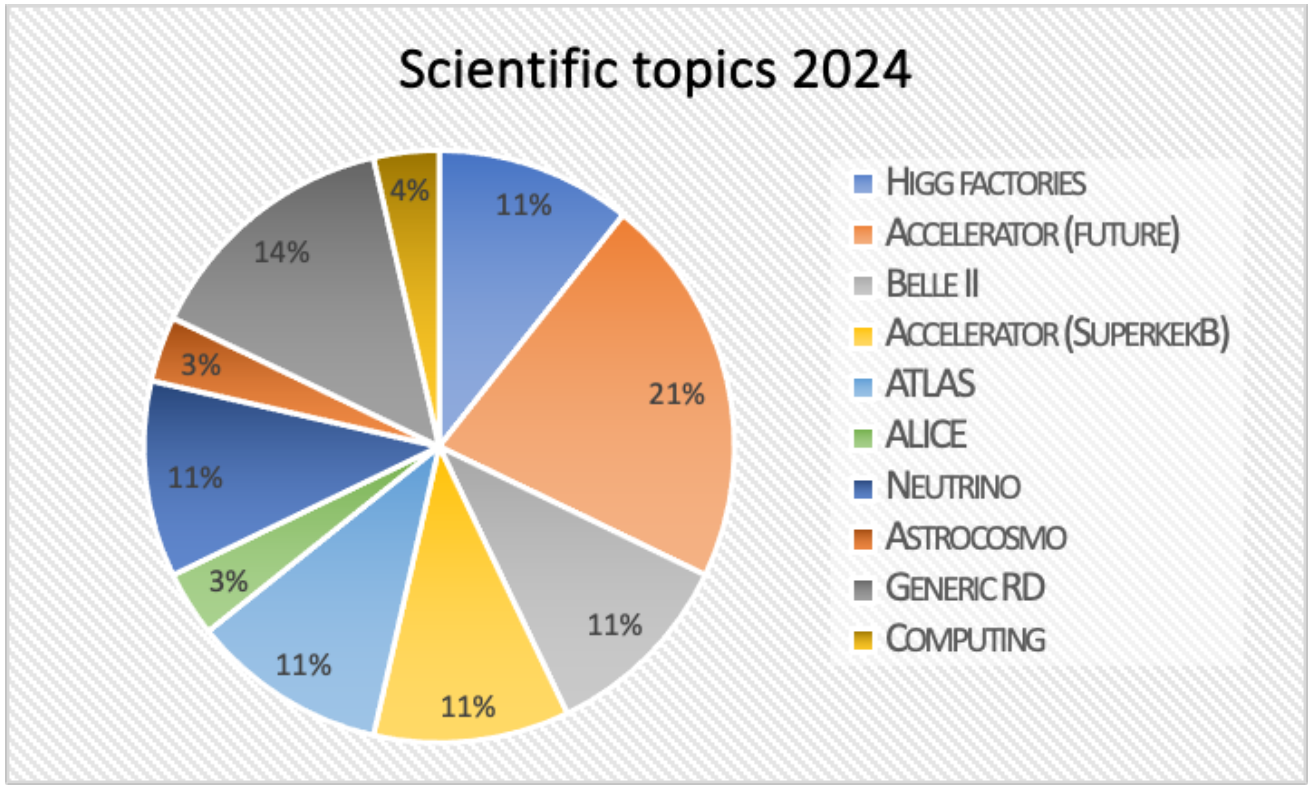



- ✓ Significant future collider R&D (both accelerator and detector)
- ✓ Belle II, HK-T2K
- ✓ LHC (ATLAS, ALICE)





# FJPPN (TYNet) science 2024






**Impact in Japan**

- *LHC Tier 1 of Japan in CC-IN2P3*
- *Joining Double Chooz*

**Impact in France**

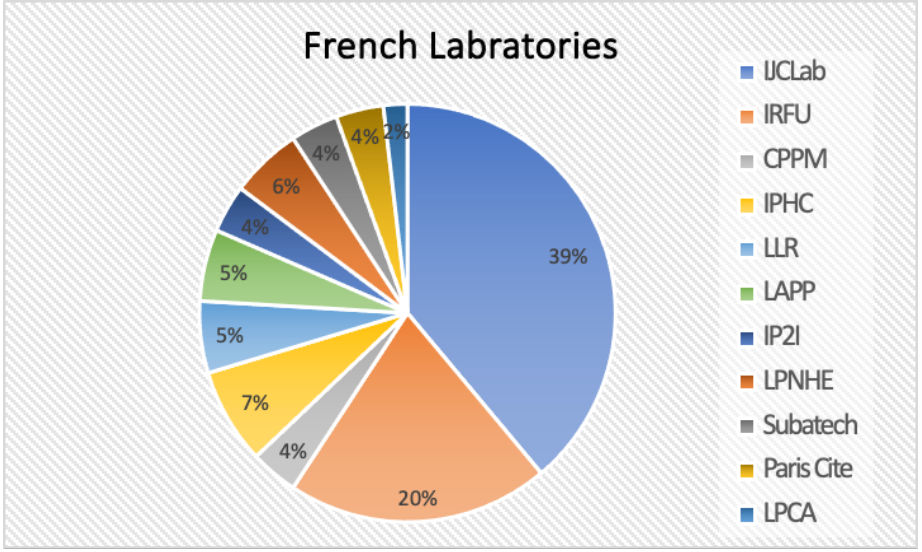
- *Joining T2K*
- *Joining Belle II*

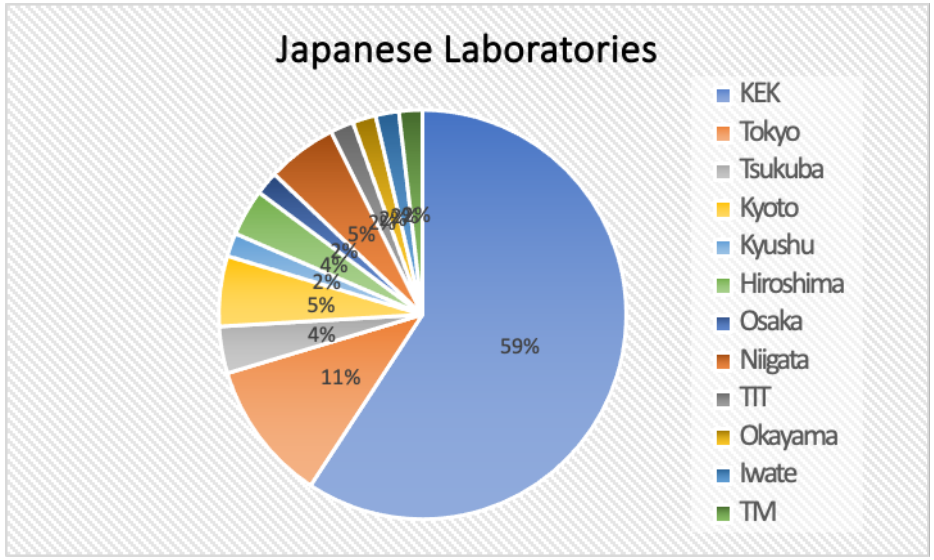
**Impact in Europe/Asia**

- *Creation of ILD (ILC detector)*
- *Creation of Asia-Europe school*

# FJPPN (TYNet) budget 2024

The laboratories involved in each project (not the PIs' laboratories, not participant's laboratories)




- **IN2P3 Annual budget 50k euros (2024)**
  - Project : 42k euros
  - Function : 3.5k euros
  - Student Exchange : 4.5k euros
- **Extra resources**
  - EU-RISE: JENNIFER2, EAJADE

Project budget
IN2P3: 42k euros (23 projects)
Irfu : 14.5k euros (6 projects)
KEK : 8400 yen (29 projects)

# FJPPN/FKPPN Annual workshop

2007 KEK
2008 Paris
2009 Tsukuba
2010 Annecy
**2012 Clermont-F.**
2013 Seoul
2014 Bordeau
2015 Okinawa
2016 Seoul
2017 Strasbourg
2018 Nara
2019 Jeju
2023 Tokyo
2024 Dajeon
2025 Nante


2018@Nara

**Typical program of workshop**

Plenary session
- KEK, IN2P3, Irfu, Korea program

Parallel session
- FJPPN project presentation
- FKPPN project presentation

Steering committee meeting
Directors' meeting


2019@Jeju



2014@Bordeau

# TYNet and Woman in Science

**Rikejo Camp**: Nation-wide physics school for high school female students

A French female researcher is invited to give a lecture every year

**Toshiko Yuasa prize**: Prize for Japanese female physicist (partner: Ochanomizu University)

The prize winners are awarded two weeks stay in French IN2P3 laboratories










’24 Yasmine Sara Amhis
’19 Monique Werlen
’18 Nathalie Palanque-Delabrouille
‘17Marie Emmanuelle Couprie
’16 Ursula Bassler
’15 Catherine Cesarsky
’14 Helen Quinn
’13 Sylvie Rosier-Lees
’12 Emi Kou

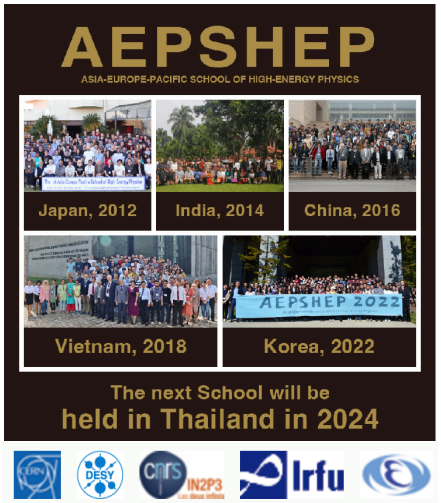
’22 Hiromi Iinuma (silver)
’21 Mihoko Nojiri (gold)
’20 Yu Nakahama (silver)
’20 Sugumi Kanno (silver)
’19 Mika Masuzawa (gold)
’18 Emi Kou (silver)
’16 Yuko Mochizuki (gold)
’15 Yoko Mitarai (gold)

# TYNet and Early Career Researchers

- TYL Young Investigator award




- Asia-Europe-Pacific School (AEPSHEP)
  Started as FxPPL school via our Asia-Pacific-France network
  Developed to Asia-Pacific-Europe school !







- TYL Early stage researcher secondment

| | | |
|---|---|---|
| 2021 | Y. Okugawa (Tohoku)<br>S. Tsumura (Kyushu) | |
| 2022 | Q. Duong (LPC) | |
| | T. Onoe (Kyushu) | |
| 2023 | A. Munoz (LLR)<br>L. Osu (LLR)<br>F. Callet (ENS, Paris-Saclay)<br>M. Maushart (IPHC) | |
| | R. Uda (Osaka) | |

# FJPPN (TYNet): what's next?

FJPPN (TYNet)

- Keep up with the good collaboration IN2P3/Irfu/KEK
- More visibility (new logo, new website in preparation)
- More diversity (woman in science, early career) !

Cooperation with new IRLs (TYL/ILANCE)

- Explore this new development !
- Create more funding opportunities !

FxPPN: generating dynamics in France and Asia-Pacific collaboration !





# Backup

# *FJPPN's mission*

Based on memorandum agreed by the partners

## Continuation of FJPPL-TYL

**Network Activities**

The IRN activities includes:

- Information sharing and networking among the participants
- Organization of an annual workshop
- Evaluation and seed financing of collaborative projects
- Attribution of a yearly Young Investigator Award for a PhD student or a post-doc
- Allocation of a Female Scientist Prize with Ochanomizu University
- Organization of the Rikejo camp for young female high school students in Japan
- Support of Student or Early-Stage Researcher Secondment

Other activities can be added in the course of the program.