

# IDT-WG2 report

## KEK / IDT-WG2 Shin MICHIZONO (KEK)

- ITN current status
- LCWS2024

# ITN next step

IDT-EB sent an e-mail to each lab to **check the list** and nominate **contact person** in each WPP.



Response from each lab



To Europe and Asia

Explanation of the detailed WPP (prepared by IDT-WG2 steering members)



We prepared example of contribution as a template and send it to the contact person of each contact person.

Receive possible contribution plan from each lab. (Or questions from each contact person)



Report them from IDT-WB2 to IDT-EB



IDT-EB will consider the ITN framework

Concerning WPP-14, IDT-EB approved the contribution from JAI.

# Example of contribution

			Items	Contribution
WPP	1	Cavity production	1-cell cavities: Fundamental research (number of 1 cell cavity)	six 1-cell cavities to be produced, tested incl. parameter search for High-Q/High-G
			9-cell cavities: HPGS regulation issues to be settled (number of 9 cell cavity)	eight 9-cell cavities to be produced incl. HPGS
			Industrial production with globally shared contracts	Global contract and material transfer from Japan to overseas
			1 <sup>st</sup> vertical test (VT), and further efforts (2 <sup>nd</sup> and later cycle process)	VT and success yield evaluation for 1st pass and 2nd pass
			Clean room work procedure (Robotics technology to be matured)	Clean work and tools to be updated incl. robotics
			Quality control/assurance	QC/QA of production (ex. eddy current scan, tests related to HPGS)
WPP	2	CM design	Finalization of envelope drawing including tuner, coupler, SC magnet	Drawing work for tuner, power coupler, magnetic shield, SC-Q magnet/BPM and CM
			High pressure gas safety regulation	Documentation and inspection related to HPGS

# LCWS2024 @Tokyo 8-11 July



<https://agenda.linearcollider.org/event/10134/overview>

8-11 Jul 2024  
The University of Tokyo, Japan  
Asia/Tokyo timezone

<b>Overview</b>
Call for Abstracts
Registration
Participant List
Study Groups and Conveners
Location
Travel & Visa
Accommodation & Meals
Satellite meetings (12th July)
Sponsors
Proceedings
Committees
Previous LCWS
<b>Contact</b>
✉ <a href="mailto:lcws2024@icepp.s.u-tokyo.ac.jp">lcws2024@icepp.s.u-tok...</a>

The 2024 International Workshop on Future Linear Colliders (LCWS2024) continues the series devoted to the study of the physics, detectors, and accelerator issues relating to high-energy linear electron-positron colliders. A linear collider will initially operate as a Higgs factory, and provides a clear path for upgrades in energy and luminosity. Since the last workshop (LCWS2023), many significant steps have been made. With a wide program of plenary and parallel sessions, this workshop will provide an opportunity to present ongoing work and to get informed and involved.

The workshop is scheduled from the morning of 8th of July to the late afternoon of 11th of July, at the University of Tokyo (Hongo campus) located in the heart of Tokyo. The day after the main workshop, Friday 12th July, is available for satellite meetings related to the workshop.

In-person attendance at the workshop is encouraged, however remote participation in only the parallel sessions of the workshop will be possible, with a reduced registration fee.

### Key dates

- Early February 2024: Registration and abstract submission opens
- April 15th: Student support (waived registration) application deadline
- April 26th: Abstract submission deadline
- May 24th: Early registration ends
- July 8th: Workshop begins

The workshop is co-hosted by ICEPP (U. Tokyo) and KEK.

## Registration started!

# Next IDT-WG2 meeting

Next IDT-WG2 meeting : March 5, 2024 (4 weeks later)

European summer time: March 31-

American summer time: March 10-