

EAJADE General Meeting at KEK
Sep. 28, 2023

Welcome address

Tadashi Koseki

Accelerator Laboratory, KEK

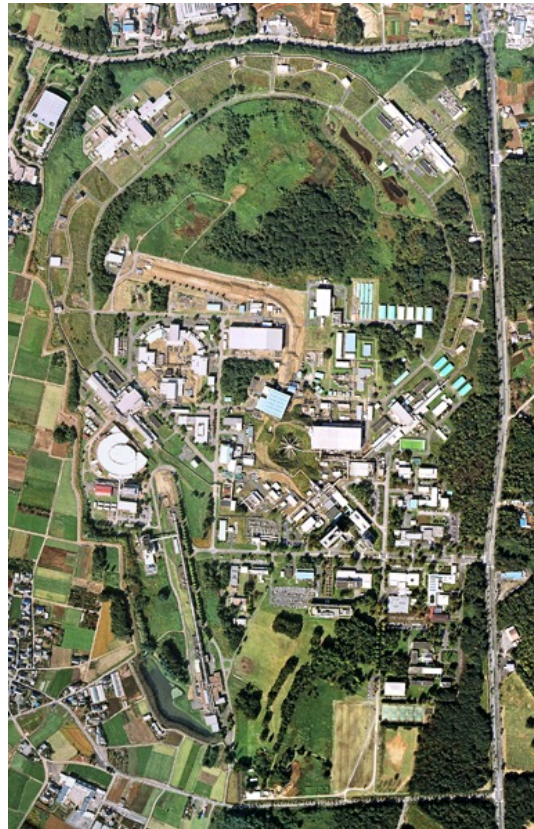
EAJADE General Meeting at KEK

📅 Thursday Sep 28, 2023, 11:30 AM → 8:40 PM Asia/Tokyo



High Energy Accelerator Research Organization, KEK

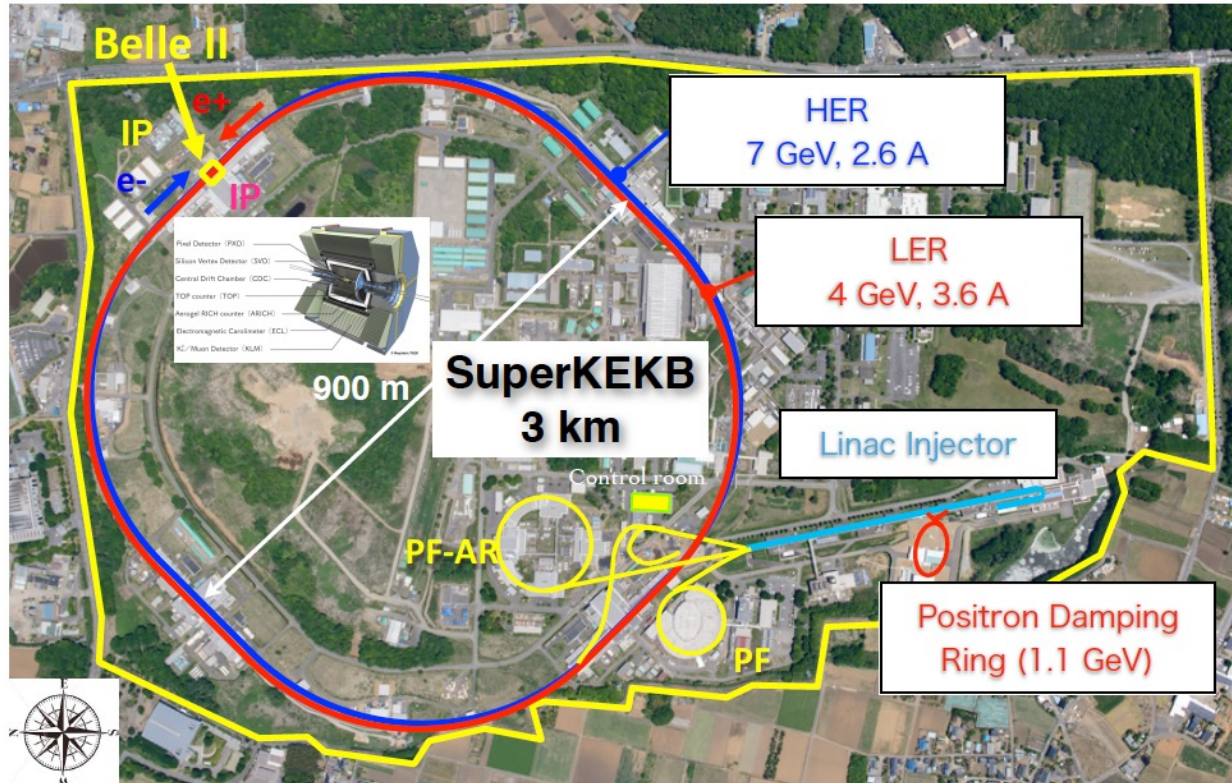
KEK Tsukuba campus



KEK Tokai campus



Accelerators in KEK Tsukuba Campus



PF (Photon Factory):

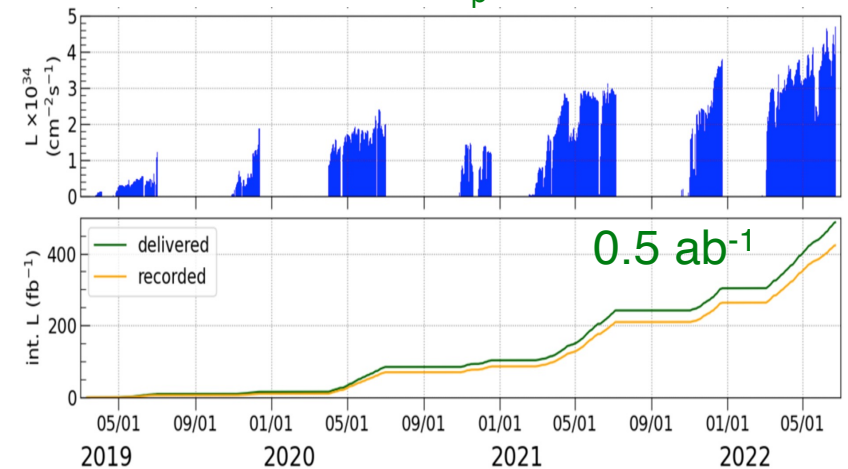
2.5 GeV, Light source for VUV and soft X-ray

PF-AR:

5-6.5 GeV for hard X-ray, ~50 mA single bunch for time resolved experiments

SuperKEKB

$$L_p \sim 4.7 \times 10^{34} \text{ cm}^{-2}\text{s}^{-1}$$

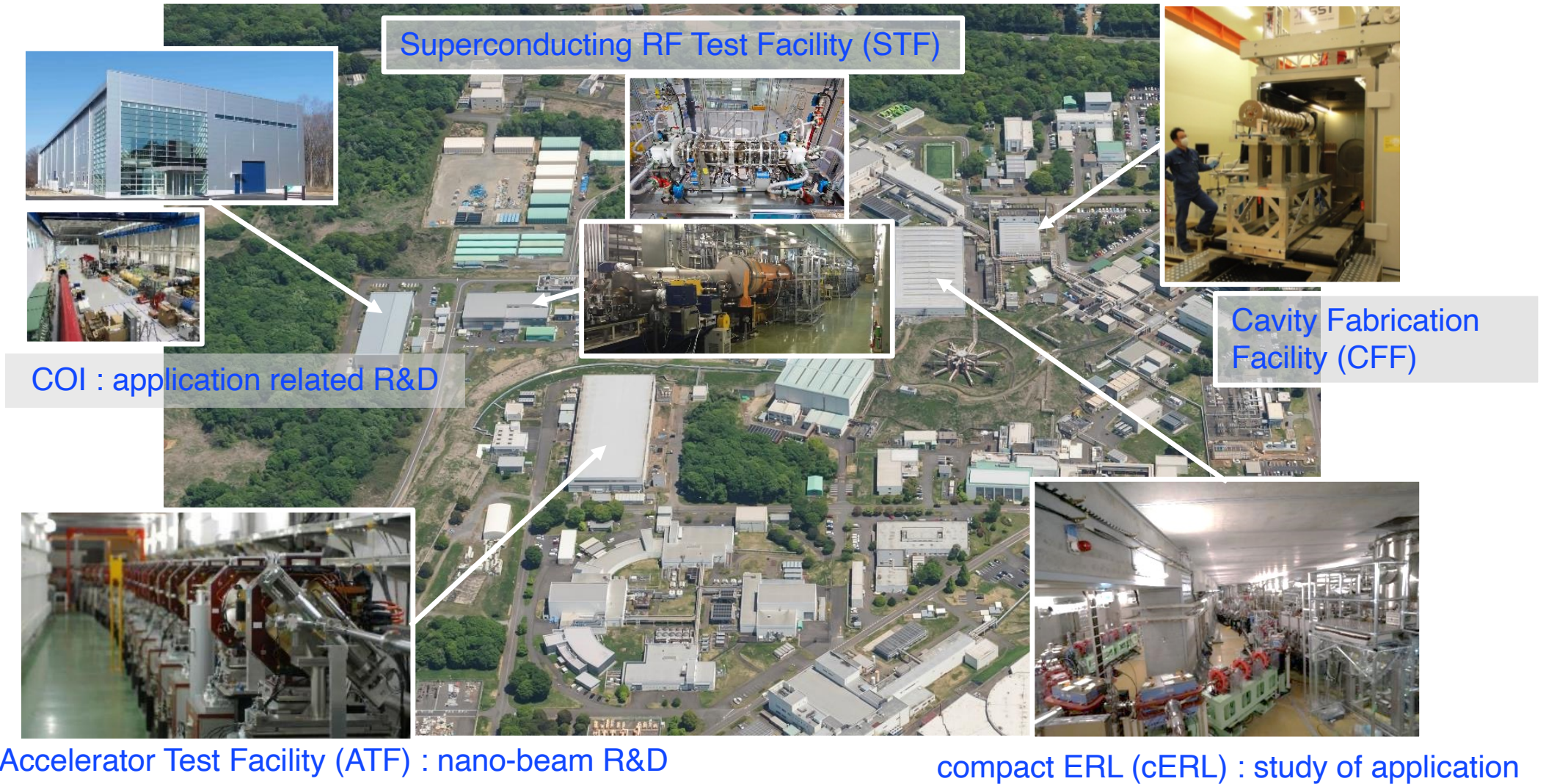


LS1 : For improvement of hardware of the accelerators and Belle II (2022.6 - 2023.12.)

Injector Linac

delivers beams with simultaneous top up injection to four rings

Advanced accelerator facilities of iCASA (Innovation Center for Applied Superconducting Accelerator)

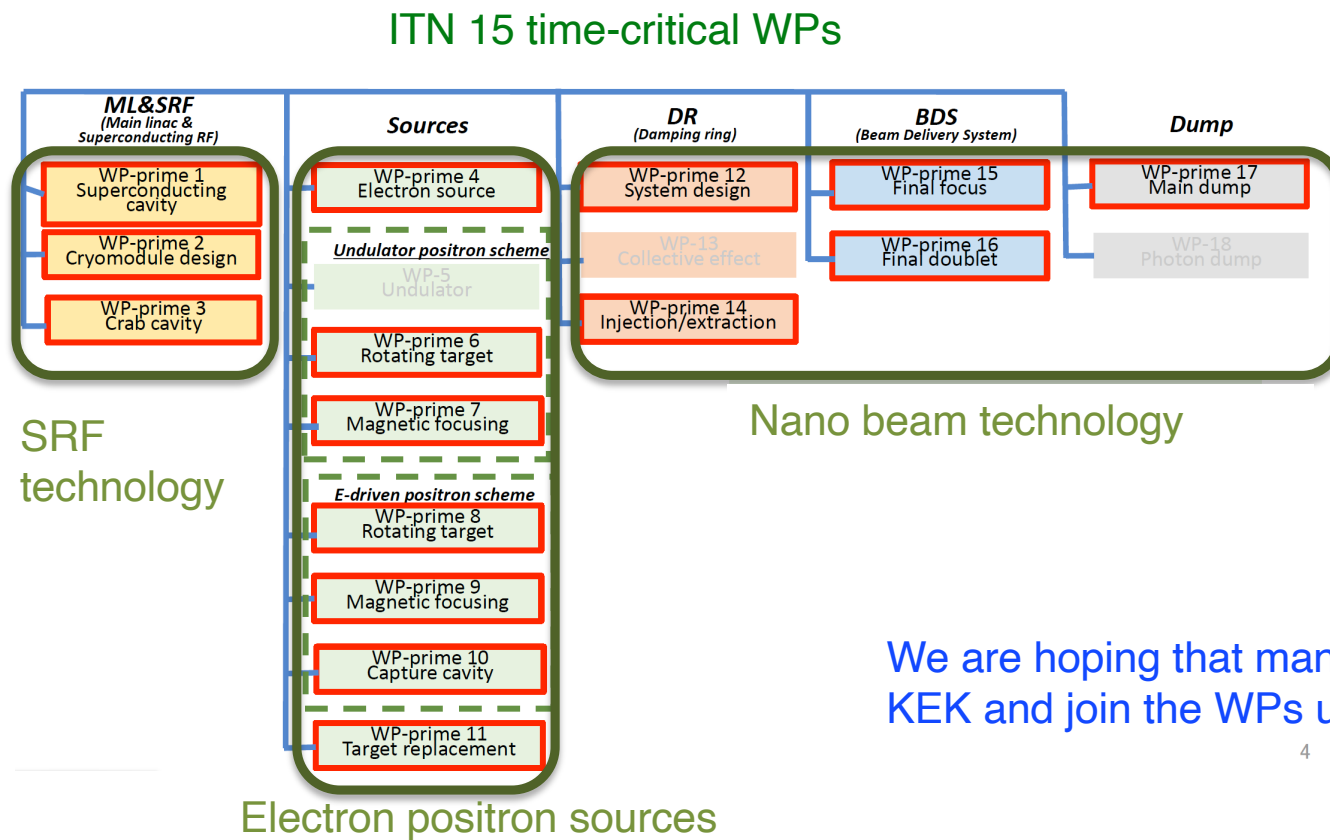


ILC Technology Network (ITN)

ITN has been launched in 2023. International framework for development of ILC technology in collaboration with KEK, CERN, and accelerator laboratories in the world.

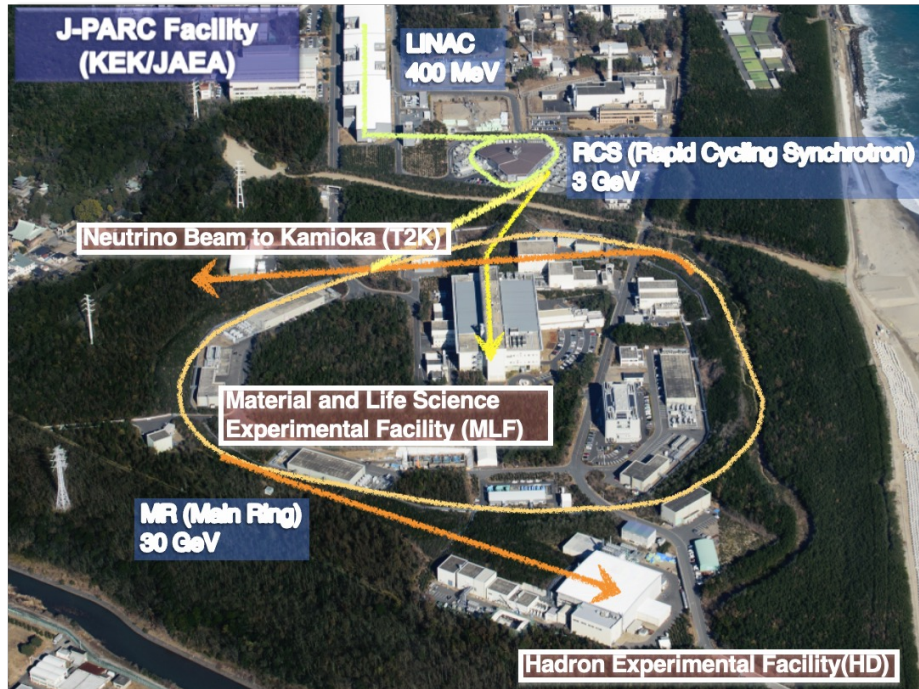


KEK and CERN concluded agreement on R&D for ILC on July 7th, 2023.



We are hoping that many European collaborators will come to KEK and join the WPs under the support of EAJADE.

Accelerators in KEK Tokai Campus



J-PARC, Japan Proton Accelerator Research Complex

Delivered max. beam power :
RCS

- 840 kW for the MLF users in routine operation
- 1 MW for 36 hours as demonstration

MR FX

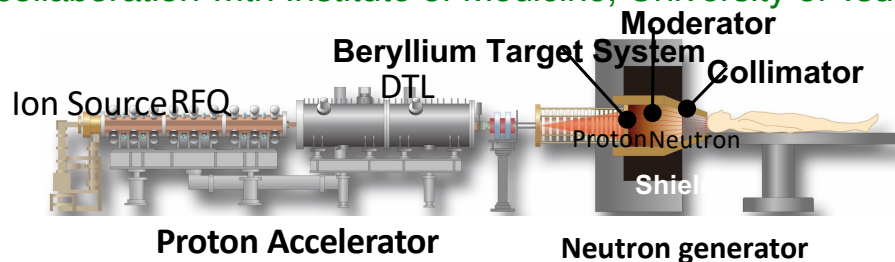
- 535 kW for the T2K experiment
- 760 kW eq. single shot as demonstration

MR SX

- 64 kW for the HD users

iBNCT, the linac-based BNCT project

In collaboration with Institute of Medicine, University of Tsukuba



Non-clinical test : 2021 - 2022
Clinical test will start in JFY2023

EAJADE is effective and useful program for exchanging staff between KEK and leading European laboratories and universities.

The COVID-19 pandemic finally seems to be under control, we sincerely hope that EAJADE will further activate our collaboration .

Thanks to

Project manager: Thomas Schoerner (DESY)
Scientific Coordinator: Steinar Stapnes (CERN)
and all participants

The KEK colleagues;
Katsumasa Ikematsu (Alliance Promotion Department, KEK)
Yoshiko Nagashio (Accelerator Laboratory, KEK)
Hitomi Kusama (Accelerator Laboratory, KEK)

11:30 AM → 1:30 PM	Guided tours of KEK facilities	
1:30 PM → 2:30 PM	Lunch break (KEK canteen)	1h
2:30 PM → 3:10 PM	Welcome, opening, structural and organisational issues Convener: Dr Karsten Buesser (DESY)	
3:10 PM → 4:00 PM	Work package reports: Work package reports (1) Convener: Thomas Schörner (DESY)	
3:10 PM	Work package 1 Speaker: Angeles Faus-Golfe (JCLab IN2P3-CNRS)	25m
3:35 PM	Work package 2 Speakers: Enrico Cenni, Laura Monaco (INFN)	25m
4:00 PM → 4:20 PM	Coffee break & ---ZOOM EAJADE Admin Meeting--- https://desy.zoom.us/j/69078142124	20m
4:20 PM → 6:00 PM	Work package reports: Work package reports (2) Convener: Steinar Stapnes (CERN)	
4:20 PM	Work package 3 Speaker: Nuria Fuster Martinez (IFIC)	25m
4:45 PM	Work package 4 Speaker: Maxim Titov (CEA Saclay, INF)	25m
5:10 PM	Work package 5 Speaker: Jens Osterhoff (DESY)	25m
5:35 PM	Work package 6 Speaker: Thomas Schörner (DESY)	25m
6:30 PM → 8:30 PM	Common dinner close to KEK	2h

Have a good meeting, and
enjoy your stay at KEK !