



ILD Status and News

Ties Behnke/ Kiyotomo Kawagoe

12.07.2024

ILD group meeting connected to LCWS2024

Agenda

14:00 → 14:15 **Introduction/ Status of ILD**

Speakers: Kiyotomo Kawagoe (Kyushu University), Ties Behnke

14:15 → 14:30 **Report from the ILD IA**

Speaker: Daniel Jeans

14:30 → 15:00 **Contributions by ILD to the European Strategy Process**

Speakers: Kiyotomo Kawagoe (Kyushu University), Ties Behnke

15:00 → 15:30 **Vision for a Linear Collider Facility**

Speaker: Jenny List (Deutsches Elektronen-Synchrotron (DE))

15:30 → 15:50 **discussion**

15:50 → 16:35 **ILD and its contributions to the ECFA Higgs factory study**

Speaker: Aleksander Filip Zarnecki (University of Warsaw)

16:35 → 16:55 **discussion**

Start at 7:00 in Paris time
We thank Colleagues in Europe,
for joining early in the morning.

LCWS 2024

- Tokyo: 8-11 July 2024

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



340 participants (251 on site)

Many contributions from ILD.

Thank you very much.

Thank you Daniel (PC chair)

and Taikan (LOC chair)



Sachio Komamiya Memorial

Sachio Komamiya
(1952-2024)



Sachio led LC effort for a long time
(incl. LCB chair 2013-2017)

Welcome to the Memorial Session
- Sachio Komamiya -



- Warm messages from
 - R. Hoyer
 - M. Peskin
 - K. Kawagoe
 - S. Chen
 - A. White
 - S. Bethke
 - L. Evansand many others
- ~200 onsite, ~120 online participants
- **Memorial book available to record your memories!**

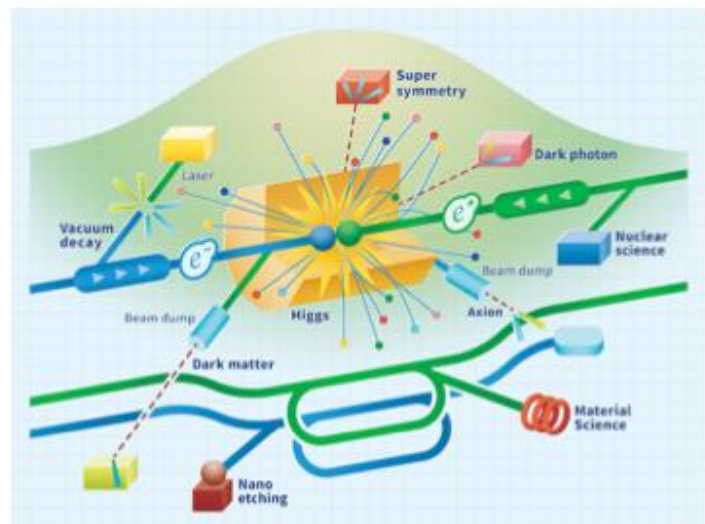
Taikun Suehara, LCWS2024, 11 July 2024

<https://agenda.linearcollider.org/event/10134/page/349-sachio-komamiya-memorial>

Electric Memorial Book available

A Global Vision for a Linear Collider Facility

LCWS 2024
Tokyo University
July 10, 2024



LC Vision Team: T. Barklow, T. Behnke, M. Demarteau, A. Faus-Golfe, B. Foster, M. Hogan, M. Ishino, D. Jeans, B. List, J. List, V. Litvinenko, S. Michizono, T. Nakada, E. Nanni, M. Nojiri, M. Peskin, R. Patterson, R. Pöschl, A. Robson, D. Schulte, S. Stapnes, T. Suehera, C. Vernieri, M. Wenskat, J. Zhang

What is this Global LC Vision?

We are all here at LCWS because we think that

- the exploration of the fundamental laws of our universe requires, in addition to the HL-LHC and Belle II, a long-term e+e- program over a wide range of energies - not just a “gap-filler”
- this program should start “now” by unveiling the mysteries of the Higgs boson, with an affordable project based on technology at-hand - and then evolve from there
- the long-term program should not be statically defined “today” for decades into the future, but instead the initial facility must be sufficiently versatile to allow choices to be taken as scientific knowledge and technologies advance - or even see revolutions
- this applies to the evolution of the e+e- facility itself as well as for the choice of the best avenue to eventually explore the 10-TeV parton-energy scale, for all of which sufficient resources for R&D and demonstrators must remain available

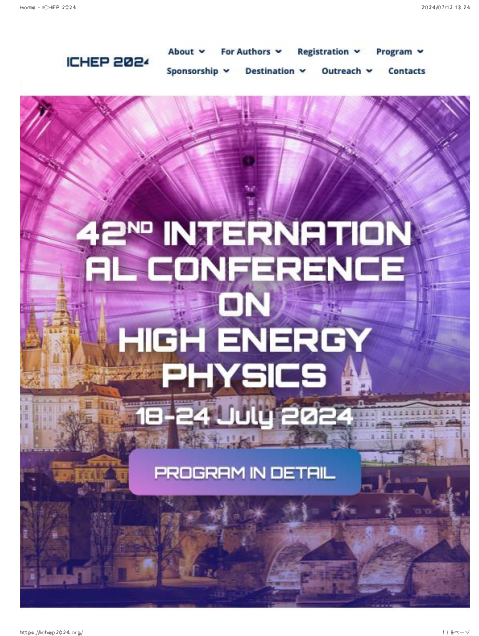
“Joint LC Vision” documents: to arXiv and input to EPPSU

- Physics at a LC from 90 GeV to multi-TeV
- A joint strategic vision for a LC Facility including upgrades, beyondcollider, etc. at any location in the world

Jenny will talk about this later.

ICHEP 2024 in Prague

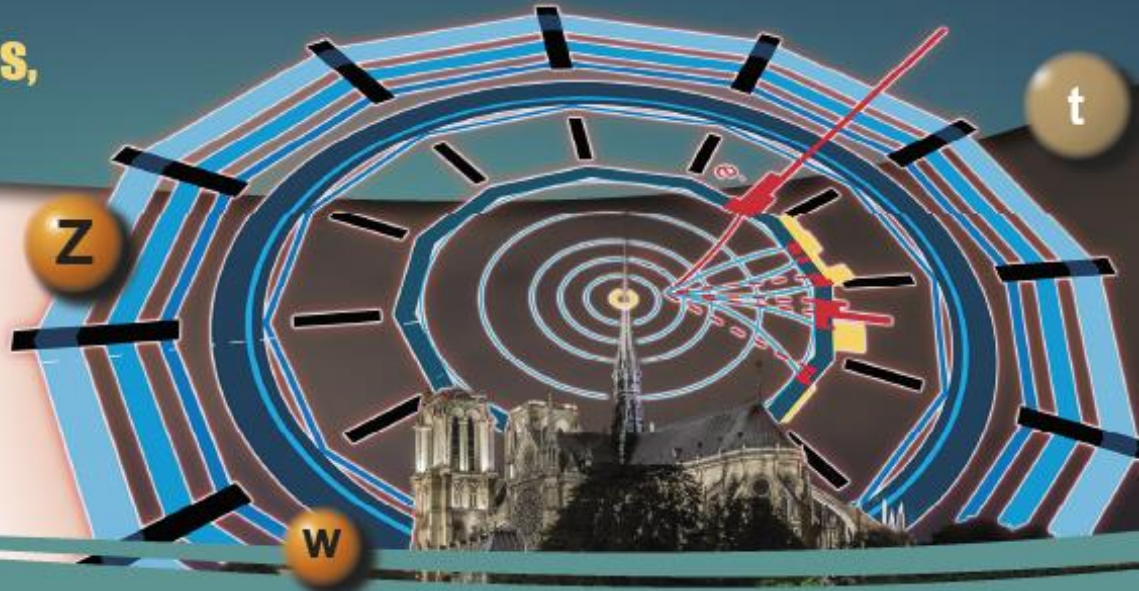
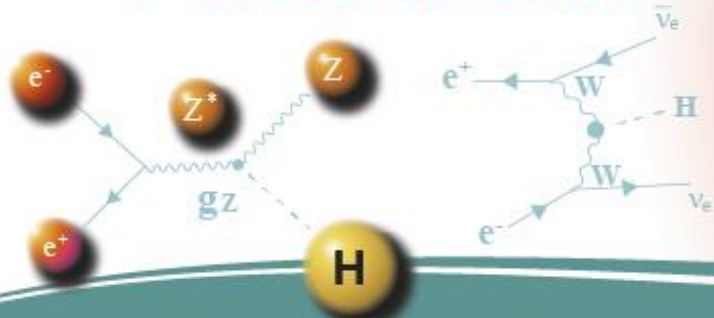
- ICHEP 2024, 18-24 July 2024: <https://ichep2024.org>
- Many ILD contributions (7 talks, 3 posters)
- ILD rehearsal sessions: 15, 16 July (afternoon in Europe)
<https://agenda.linearcollider.org/event/10391/>
- IDT-WG3 rehearsal session: 15 July (morning in Europe)
<https://agenda.linearcollider.org/event/10397/>



3rd ECFA workshop on e^+e^- Higgs/Top/EW factories (Paris)

3rd ECFA workshop on e^+e^- Higgs, Top & ElectroWeak Factories

9–11 October 2024



Conference site: <https://indico.in2p3.fr/event/32629/>

Plan: have an ILD meeting on Tuesday afternoon of this week, in Paris

- Preparation of the ESU input
- Update of ILD and progress
- Details to be announced