

ICFA Report – C11

Geoffrey Taylor
(ICFA Chair)

- ILC, ILC, ILC
 - LCB
- At ICHEP2018
 - Reports from CERN, KEK, IHEP, Fermilab
 - At Cambridge mtg (9-10 March) has reports from across all labs
- Panels:
 - ICFA Panels Policies and Procedures Accepted by all panels (Nov 2011, Joachim Mnich, Pushpa Bhat)
 - Membership renewal
 - Some requesting admin. Support?
 - Neutrino Panel → C11

- FALC
 - MEXT representative gave a report from the TDR review group
 - Request for funding LCB in 2019 (~300CHF)
 - 1/3 from each region
- Next ICFA meeting:
 - March, 7-9 Tokyo

Some snippets from today's meeting

- European Strategy Update schedule is pushing for Japanese statement on their willingness to Host the ILC.
- Strategy Update, Physics Preparatory Group: CERN has requested 2 representatives from each of Americas and Asia region. (27 Sept 2018 for announcement of the group)
 - Ensures a broad voice.

ICFA Statement on the ILC Operating at 250 GeV as a Higgs Boson Factory (<http://icfa.fnal.gov/wp-content/uploads/ICFA-Statement-Nov2017.pdf>)

The discovery of a Higgs boson in 2012 at the Large Hadron Collider (LHC) at CERN is one of the most significant recent breakthroughs in science and marks a major step forward in fundamental physics. Precision studies of the Higgs boson will further deepen our understanding of the most fundamental laws of matter and its interactions.

The International Linear Collider (ILC) operating at 250 GeV center-of-mass energy will provide excellent science from precision studies of the Higgs boson. Therefore, ICFA considers the ILC a key science project complementary to the LHC and its upgrade.

ICFA welcomes the efforts by the Linear Collider Collaboration on cost reductions for the ILC, which indicate that up to 40% cost reduction relative to the 2013 Technical Design Report (500 GeV ILC) is possible for a 250 GeV collider.

ICFA emphasizes the extendibility of the ILC to higher energies and notes that there is large discovery potential with important additional measurements accessible at energies beyond 250 GeV.

ICFA thus supports the conclusions of the Linear Collider Board (LCB) in their report presented at this meeting and very strongly encourages Japan to realize the ILC in a timely fashion as a Higgs boson factory with a center-of-mass energy of 250 GeV as an international project¹

, led by Japanese initiative.

ALCW2018 (Fukuoka) statement

<https://agenda.linearcollider.org/event/7826/contributions/41277/attachments/33232/50745/FukuokaStatement.pdf>

...

(3) The ILC can only be realized as an international project, and a nation who wishes to host the project should lead the international negotiations. A positive message from the Japanese government expressing readiness to initiate these discussions this year is critically important because work on the update of the European Strategy for Particle Physics, including collaboration in the ILC construction, will start early next year. This update will have a large impact outside Europe on the future of high energy physics projects worldwide. While we will strongly present the scientific case for the ILC in these discussions, it is now essential to hear a positive message from the Japanese government in a timely manner.

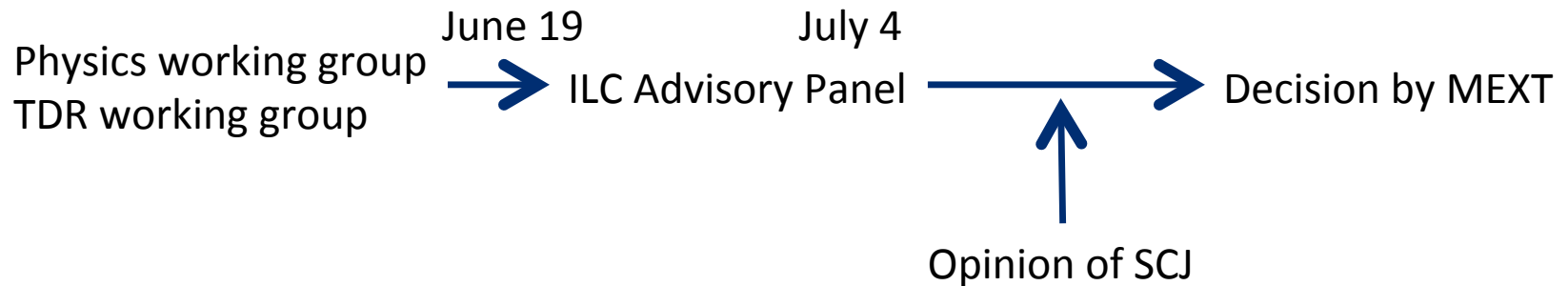
Lyn Evans

LCC Director

For scientists from LCC and ALCW 2018

Procedure to get go sign

- MEXT procedure (standard procedure)



■ Political process

- ▶ ILC Federation of Diet Members recognizes that the positive sign has to be given by the end of this year, and strong action is being taken to secure budget.

July 5th



Meeting with Prime Minister Abe July 5th

Prime Minister Abe

Deputy Chief Cabinet Secretary Nishimura

Deputy Chief Cabinet Secretary Nogami

Kawamura (Diet Budget committee chair)

Shionoya (LDP election chair)

Suzuki (Minister of Olympic)

Onodera (Minister of Defense)

Nishioka (AAA chair, MHI former CEO)

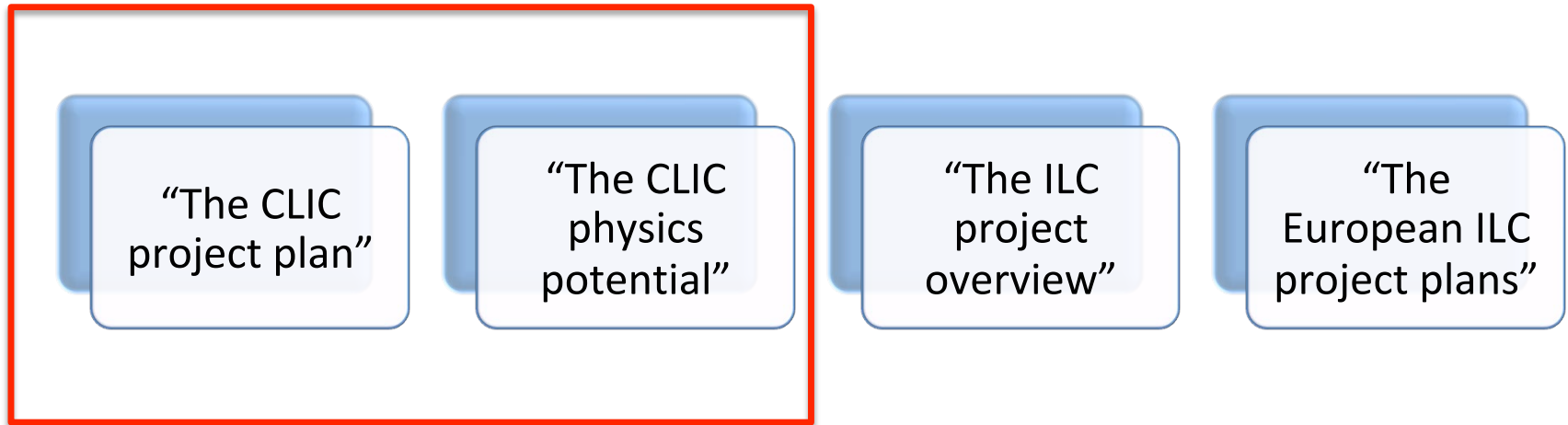
Takahashi (Tohoku, Tohoku electric former CEO)

Yamashita

ESSENTIAL

- WONDERFUL PHYSICS - GUARANTEED & POTENTIAL
- ENERGY EXTENDABILITY
- STATE-OF-THE-ARTS ACCELERATOR & DETECTOR
- WORLD-WIDE COOPERATION & SUPPORTS
 - AFFORDABLE INVESTMENT (COST&HUMAN)
SIZE & TIME to be shared by HOST and Partner Nations
 - In-kind contribution scheme
 - CO-PROSPERITY WITH WORLD LABORATORIES
 - INDUSTRY PARTICIPATION in each Partner Nation

Four submitted documents planned



In addition – an ILD input document