


ICFA Report to Lepton Photon 2013

J. Mnich
(for Pier Oddone, ICFA chair)

June 28, 2013

26th International Symposium on
LEPTON PHOTON
INTERACTIONS at HIGH ENERGIES

24-29 June, 2013
UCSF Mission Bay Campus, San Francisco, CA USA
Hosted by SLAC National Accelerator Laboratory


<http://www-conf.slac.stanford.edu/p13>

Local Organizing Committee:
Juerg Demmig (BNL), David Brown (SLAC), Elae Cabrera (Stanford), Su Dong (SLAC), JoAnne Hewitts, Chair (SLAC), Vera Luth (SLAC), David Macfarlane (SLAC), Greg Madjari (SLAC), Bruce Schumm (UC Santa Cruz), John Seeman (SLAC), William Wieniewski (SLAC)

International Advisory Committee:
Hirosaki Aihara (Tokyo), Marina Arisco (CERN), Riccardo Barbieri (Pisa), Philip Barrow (Minnesota), Mikhail Dautov (ITEP, Moscow), Michel Davier (LAL, Orsay), Sally Dawson (BNL), Joshua Freeman (FNAL, Chicago), Juan Fuente (IFIC, Valencia), Fabiola Gianotti (CERN), Bahare Goodbock (ITP, Bangalore), Werner Hofmann (MPI, Heidelberg), Joseph Hirschauer (UC Santa Barbara), Takashi Inoue (IPMU, Tokyo), Young Kee Kim (FNAL, Chicago), Sachio Komamiya (Tokyo), Hai-Bo Li (JHEP, Beijing), Nigel Lockyer (TRIUMF), Michelangelo Mangano (CERN), Patricia McBride (FNL), Nabe Mondal (IFB), Matthias Neubert (Mainz), Yousef Nir (Weizmann), Yasuhito Okada (KEK), Natalie Row (SLAC), Anthea Rubbia (ETHZ, Zurich), Kate Scholberg (JLab), Eva Sivanoto (SLAC, Stanford), Dongshul Son (Kyungpook), Geoffrey Taylor (Melbourne), Robert Tachikawa (FNL)



ICFA Meetings

- > February 21/22 at TRIUMF, Vancouver
 - meeting of ICFA
 - and a combined meeting of the outgoing ILCSC and incoming Linear Collider Board

- > June 26 at San Francisco
 - ICFA & LCB meetings combined because of large overlap of participants

- > ICFA heard reports on
 - recent FALC activities
 - the European Strategy
 - the US particle physics planning process



ICFA Membership

June 2013: New members in **red**

CERN Member States

R. Heuer

M. Krammer

J. Mnich

USA

D. MacFarlane

P. Oddone (Chair) → **Nigel Lockyer**

I. Shipsey

Japan

T. Mori

A. Suzuki

Russia

A Bondar

S. Ivanov

Canada

W. Trischuck

China

Y. Wang

Other Countries

G. Alves

A. Roy

V. Tsakanov

C11

H. Aihira

Secretary: R. Rubinstein



Linear Collider

- > The Global Design Effort (GDE) and the Research Director (Sakue Yamada) accomplished their mandate by producing
 - a Technical Design Report (accelerator)
 - and Detector Baseline Documents for two concepts
- > Technical and cost reviews completed
 - results and recommendations incorporated into final documents
- > The “ILC Event” was held in Tokyo, CERN and Fermilab on 12 June 2013 to hand over the completed ILC TDR and to give impetus to the next ILC stage



The Worldwide ILC Event on June 12th



Linear Collider Board

- > **Sub-panel of ICFA to promote the construction of an electron-positron linear collider and its detectors as a world-wide collaborative project**

Membership of the Linear Collider Board

**Chair Sachio Komamiya
(Secretary: Roy Rubinstein)**

Americas

**Jonathan Bagger
The Fermilab Director (currently Pier Oddone)
David MacFarlane
Lia Meringa
Hugh Montgomery**

Asia

**Jie Gao
Rohini Godbole
Sunkee Kim
Atsuto Suzuki
Yifang Wang**

Europe

**The CERN Director-General (currently Rolf Heuer)
The DESY Director of Particle Physics (Joachim Mnich)
The JINR Director (Victor Matveev)
Francois Le Diberder
Lenny Rivkin**



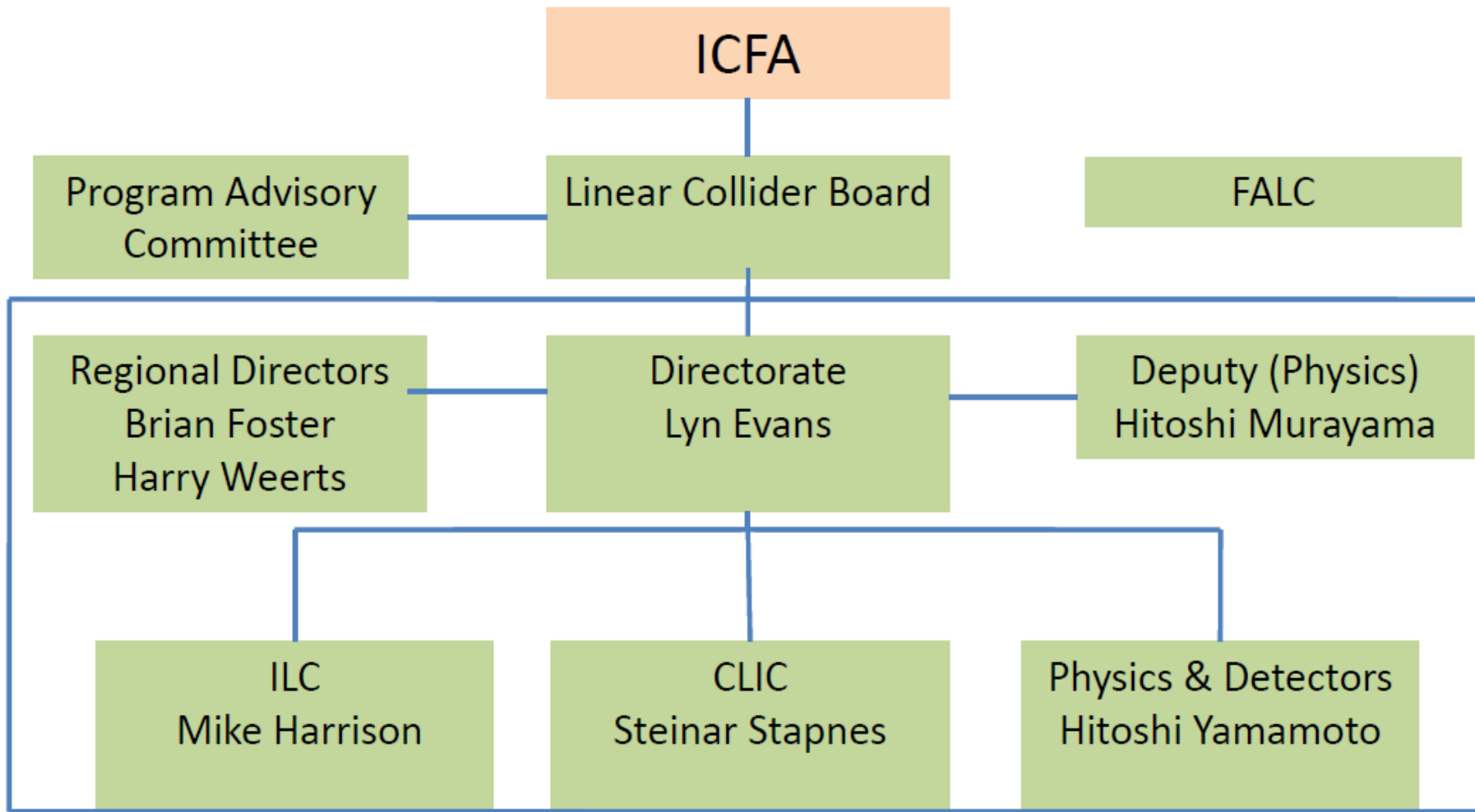
Linear Collider Collaboration

- > The Linear Collider Collaboration (LCC) organization is now almost all in place, overseeing ILC, CLIC and the detectors
- > ILC SC cavity performance has met the design goals
- > Strong indications of support in Japan for a linear collider in Japan
- > Several important Japanese decisions on ILC later this year, including site selection
- > LCC Director (Lyn Evans) received by Japanese Prime Minister
- > ILC-CLIC collaboration working well
- > FALC will continue the common fund for LCC activities through 2013
discussions underway on MOUs to continue this further
- > Presentations were made to LCB on ILC progress and related activities in each of the three regions (Americas, Asia, Europe)





Organization



Neutrino Panel

- > Mandate:

To promote international cooperation in the development of the accelerator-based neutrino-oscillation program and to promote international collaboration in the development a neutrino factory as a future intense source of neutrinos for particle physics experiments

- > Complete mandate approved by ICFA this week

- see

http://www.fnal.gov/directorate/icfa/neutrino_panel.html



Panel Members

ICFA Neutrino Panel

LONG	Kenneth	UK	Imperial	Experiment; chair
The Americas				
TANAKA	Hirohisa	Canada	Institute of Particle Physics	Experiment
FUNCHAL	Renata	Latin America	University of Sao Paulo	Theory
GEER	Stephen	USA	FNAL	Experiment, Accelerator
de GOUVEA	Andre	USA	Northwestern	Theory
ZELLER	Sam	USA	FNAL	Experiment
Asia				
KOBAYASHI	Takashi	Japan	KEK	Experiment
SHIOZAWA	Masato	Japan	Tokyo	Experiment
KIM	Soo-Bong	Korea	Seoul National University	Experiment
MONDAL	Naba	India	TIFR	Experiment
CAO	Jun	China	IHEP	Experiment
Europe				
MEZZETTO	Mauro	Italy	Padova	Experiment
DUCHESNEAU	Dominique	France	CNRS/IN2P3	Experiment
MALTONI	Michele	Spain	Madrid	Theory
WASCKO	Morgan	UK	Imperial	Experiment
SOBCZYK	Jan	Poland	Wroclaw	Theory

Beam Dynamics Panel

- > Workshop on Higgs factories at Fermilab in November 2012
 - including linear, circular, muon and gamma-gamma colliders
- > ICFA decided not to pursue suggested future workshops
 - general outlines were established at the workshop
 - no institution is proposing a circular machine at this time



Data Preservation in HEP

- > ICFA supports the Study Group and approved statement on data preservation:

ICFA Statement on Long-Term Data Preservation – DRAFT

The International Committee for Future Accelerators (ICFA) supports the efforts of the DPHEP study group on long-term data preservation in and welcomes its transition to an active international collaboration with a full-time project manager. It encourages laboratories, institutes and experiments to review the draft DPHEP Collaboration Agreement with a view to joining by mid to late 2013.

ICFA notes the lack of effort available to pursue these activities in the short-term and the possible consequences on data preservation in the medium to long-term. We further note the opportunities in this area for international collaboration with other disciplines and encourages the DPHEP Collaboration to vigorously pursue its activities. In particular, the effort required to prepare project proposals must be prioritized, in addition to supporting on-going data preservation activities.

ICFA notes the important benefits of long-term data preservation to exploit the full scientific potential of the, often unique, datasets. This potential includes not only future scientific publications but also educational outreach purposes, and the Open Access policies emerging from the funding agencies.



Future ICFA/LCB Meetings

- > 20/21 February 2014 at DESY, Hamburg
- > During ICHEP in Valencia July 2-9, 2014

- > Next ICFA Seminar in Beijing October, 2014

