

Report from the chairman

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Report news since last PECFA meeting

- New ECFA members
- ECFA panels
- RECFA country visits
- ILCSC and ICFA meetings
- EPS HEPP Board
- Role of PECFA
- Planning 2013

Not covered in this report: CERN Council, DESY SC

New PECFA Members

Endorse and Welcome new members:

- Prof. B. WOSIEK, Poland, replacing Prof. P. Malecki, as from 1 January 2012
- Prof. K. BORRAS, Germany, replacing Prof. K. MOENIG, as from 24 April 2012
- Prof. J. DINGFELDER, Germany, replacing Prof. K. DESCH, as from 24 April 2012
- Prof. M. SCHUMACHER, Germany, replacing Prof. P. BUCHHOLZ, as from 24 April 2012
- Prof. A. SCHONING, Germany, replacing Prof. E. ELSEN, as from 24 April 2012
- Prof. A. STAHL, Germany, replacing Prof. P. SCHLEPER, as from 24 April 2012

New ECFA Country

Serbia is a new associated CERN member (in the pre-stage to full membership).

Plenary ECFA decides on the admission of new countries.

Ask for your endorsement to welcome Serbia as a new ECFA country.

Ask to endorse and welcome new Serbian PECFA and RECFA members:

Prof. P. ADŽIĆ as the representant in RECFA

Prof. D. ŠIJAČKI as new PECFA member

ECFA Panels

- **European Detector R&D Panel** (chair Y. Karyotakis)
 - Review European detector R&D efforts for accelerator based particle physics projects without host laboratory
 - 1st Meeting (kick off) May 2012
 - Report tomorrow....
- **LHeC CDR is published (ECFA/NuPEC sponsored study)**
 - ECFA Review Panel was set up (chair Th. Müller)
 - Report tomorrow....

RECFA Country Visits 2012

- Netherlands February 17/18
- Poland May 11/12

- Italy October 5/6
- Serbia October 19

(Following the ratification of Serbia of the agreement for accession to CERN as associated member as the pre-stage to full membership)

Midterm reports by Czech Republic (tomorrow), Germany, United Kingdom (PECFA Nov. 22/23)

RECFA visit to the Netherlands



- The Netherlands play a very significant role in a series of important experiments in particle physics, e.g. at CERN in ATLAS, LHCb, and ALICE.
- The field of astroparticle physics has remarkably fast developed into very important contributions and visibility in several experiments (ANTARES, KM3NeT, VIRGO, Pierre Auger, XENON).
- Strong Detector R&D, however, no more accelerator R&D at Nikhef.
- Excellent theory groups, computing TIER-1, very successful outreach program!
- Issues discussed: government's new policy on economic priority, length of time to obtain a PhD

RECFA visit to Poland



- Poland is a large country with a large particle physics community.
- Poland plays a very significant role in many important experiments at CERN (all four LHC experiments) and in several other labs Europe, Japan and the USA.
- In the fields of neutrino and astroparticle physics many contributions in a number of leading experimental programs.
- Traditionally large theory community with many high quality contributions.
- Impressive work in detector R&D and GRID computing and especially in accelerator science.
- The use of the membership of CERN by Poland is exceptional (industrial return)
- Issues discussed: suitability of funding system for long time projects, mobility of scientists.

ILCSC and ICFA

ILCSC...International Linear Collider Steering Committee

ICFA.....International Committee for Future Accelerators

2 meetings Oxford Feb. 2/3 and Melbourne July 8 during ICHEP2012

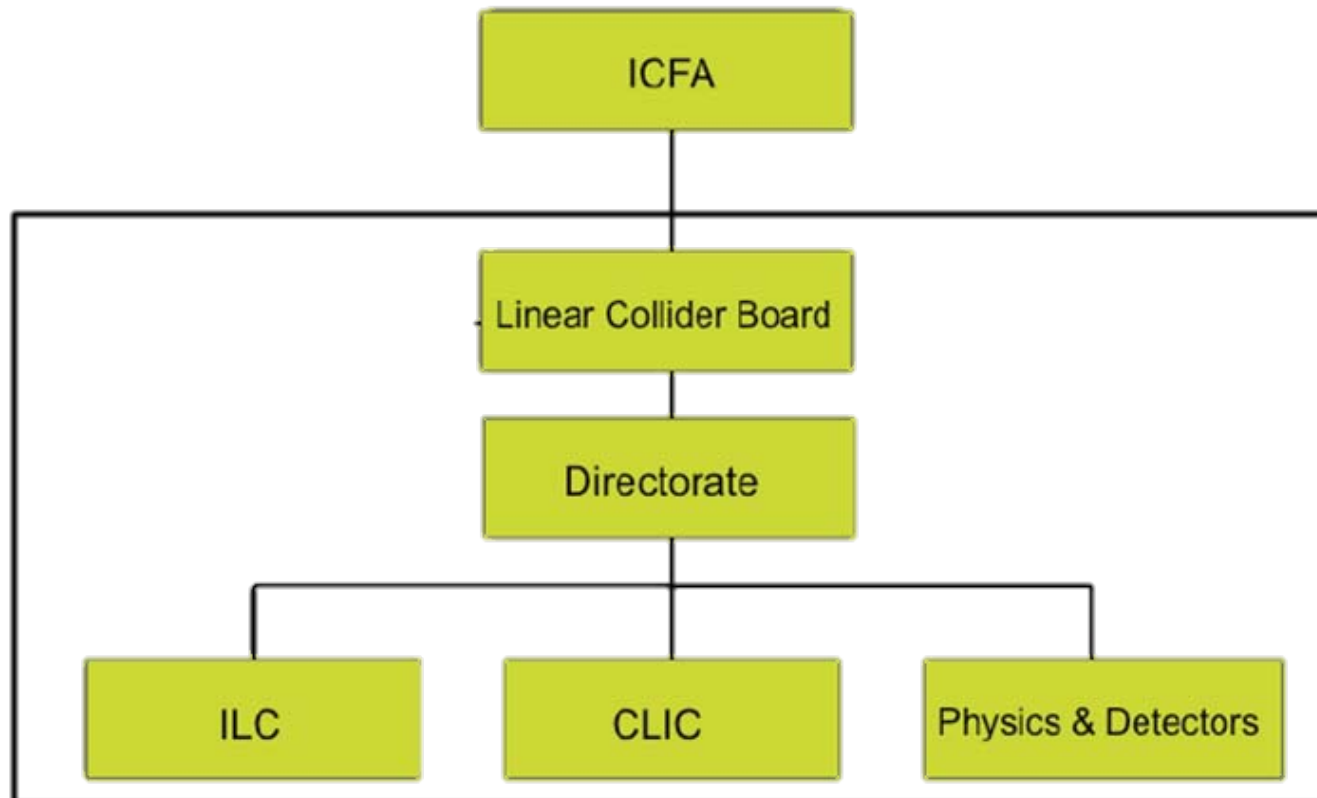
Main issue: **Post TDR LC organization**

- **TDR (Technical Design Report)** for ILC, ~550 pages, deadline end of 2012, publication early 2013
- **DBD (Detailed Baseline Design)** for physics and experiments, ~ 430 pages, Physics, Introduction + ILD + SiD, First draft September, final draft December 2012

Mandate for present organization (GDE) ends end of 2012 (prolongated until mid 2013 to follow review process). Post TDR structure and mandate is critical (B. Barish: present GDE group will evaporate, a gap could put the whole project at risk!). **New structure will also include CLIC effort.**

ILCSC and ICFA

ILCSC and ICFA agreed on new organization :



ILCSC and ICFA

Linear Collider Board: mandate from ICFA, similar to the present ILCSC,
Composition: 5 from each region + chair, representatives from the major stakeholders plus one representative from the community

Directorate: one general director plus (associated) directors for each project

ILC: Essentially post „GDE“, project for „SCRF“ Linear Collider 500 GeV

CLIC: Existing project, two beam approach, up to 3 TeV

Physics & Detectors: Common studies for both collider concepts

WWS: World Wide Study (Physics and Detectors) remains independant self-organized group

ILCSC and ICFA

1. Step: Search for general director (term 3 years renewable)

Search committee defined and started in February

2 members per region: Americas: Oddone (chair), Trischuk, Asia: Komamiya, Jie Gao; Europe: Krammer, Mnich

In Europe **RECFA** and **ELCSC** involved in the search

ELCSC...European Linear Collider Steering Committee

B. Foster, J. Fuster, R. Heuer, F. Le Diberder, M. Krammer (chair)
J. Mnich, S. Stapnes

After extensive consultation in the three regions a list of potential candidates for the LC Director was discussed, finally a proposal for a single candidate was made to ICFA.

ILCSC and ICFA

ICFA approved the recommendation just prior to the Melbourne ICHEP2012 meeting.

New director of the Linear Collider Organization: Lyn Evans !



ICFA Chair Pier Oddone congratulating the LC Director Lyn Evans in Melbourne

ILCSC and ICFA

2. Step: Mandate of LCB defined in Melbourne

The Linear Collider Board is an ICFA Subcommittee which will oversee the world linear collider effort. To be set up in the next few months.

http://www.fnal.gov/directorate/icfa/recent_lc_activities_files/Linear_Collider_Board_Melbourne.pdf

The same committee was installed to nominate LCB members
2 members per region: Americas: Oddone (chair), Trischuk,
Asia: Komamiya, Jie Gao; Europe: Krammer, Mnich

- Prepare the nominations of board members to ICFA. Try to achieve balance regarding expertizes.
- Goal: bring result to ICFA October 1st.
- Joint meeting of ILCSC and LCB in February 2013 (Vancouver):

Last meeting of ILCSC – first meeting of LCB !

European LCB Member Discussion

Meeting of ELCSC yesterday.

The following proposal for the 5 European members was worked out (LCB members are essentially ex-officio):

- DG CERN (R. Heuer)
- Director Particle Physics DESY (J. Mnich)
- ECFA chair (M. Krammer) or a representative of RECFA
- Representative of LC community* (F. LeDiberder)
- Representative of Russia/Dubna

Additionally we propose to install an Advisory Board for the European Members of LCB to allow a broader involvement of the European LC community (The ELCSC will stop at the same time of the ILSCS)

* Nominated by ECFA

More news on the LC

The subpanel on future projects of the Japanese High Energy Physics Committee (HEPC) submitted the final report (Japan's future projects with a time scale of more than 10 years).

The report was approved by HEPC in March.

The recommendations include a strong statement on the early realization of a e^+e^- Linear Collider if a particle such as a Higgs Boson is confirmed at a mass below 1 TeV:

“Japan should take the leadership...”

ILCSC and ICFA

Other issues from ICFA:

- **ICFA considers to set up a new ICFA panel for accelerator neutrino facilities**

K. Long presented overview of Neutrino studies, aim to bring this study to the (worldwide) ICFA level.

Evaluate the impact of large Θ_{13} on the physics reach of superbeams and neutrino factories.

- **ICFA seminar**

Four-day seminars, held every three years - allow for an international exchange of information on plans for future particle physics facilities.

Representatives of government funding agencies also invited.

Next ICFA Seminar in **Beijing October 2014**

Detector R&D survey

Survey initiated by the European Members of the ICFA Panel for Instrumentation (Chair A. Cattai).

The survey is conceived as input to the Update of the European Strategy to assess the deployment and strength of detector R&D activities in Europe. Please forward link to relevant groups in your country and ask them complete the survey at:

http://www.surveymonkey.com/s/Detectors_RD

Deadline August 15 !

EPS HEPP Board

EPS HEPP Board....EPS High Energy Physics Board

Several meetings, attended meeting June 29

- **EPS statement “on the use of Bibliometric Indices During Assessment”**, set of suggestions

http://www.eps.org/resource/resmgr/policy/eps_statement_june2012.pdf

- **Presentation from APS-DPF** (American Physics Society’s Division of Particle and Fields): The US update of Particle Physics strategy
SNOWMASS 2013, Community planning meeting October 2012,
Meeting 2 weeks early August (not in Snowmass)
- **EPS HEP 2013 Conference with a joined EPS-ECFA session**
Stockholm July 18-24 2013

Role of Plenary ECFA

Discussion initiated by RECFA colleagues.

Revisit role of PECFA in particular the format of the Plenary ECFA meetings → Evolve PECFA gradually (if desired)

PECFA meetings:

- July meeting alternating between a joint ECFA/EPS session at the EPS conference and a visit to a European laboratory
- November meeting always at CERN

Role of Plenary ECFA

Terms of Reference Article 6. PLENARY ECFA

- Plenary ECFA decides on all ECFA activities, appoints the Chairman and Secretary, approves the final reports of the working groups and terminates their activities, decides on admission of new countries and observers, and makes recommendations to outside organizations.
- Plenary ECFA appoints members for a total maximum period of six years after nomination by their country.
- While the members so chosen should be able to represent the views of the high-energy physics community of their country, they are members of Plenary ECFA as individuals. Plenary ECFA normally holds two meetings per year.
- Meetings are public unless otherwise decided.

Role of Plenary ECFA

I would like to ask your input

- How can we make PECFA meetings more attractive ?
- What kind of talks/subjects are of interest ?
- More room for discussion, open symposium like ?
- Any other suggestion ?

Country Visits 2013

Proposals for the Country visit dates in 2013:

France	March 15/16
Denmark	May 3/4
Hungary	October 4/5 (October 18/19)
4 th visit	Country not yet decided

Joint EPS-ECFA session at the EPS conference in Stockholm July
18-24