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ECFA report

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Mission

The European Committee for Future Accelerators was set up at the beginning of 1963 on the initiative of Prof. Weisskopf, then Director-General of CERN and of Prof. Powell, Chairman of the CERN Scientific Policy Committee.

- Long-range planning of European high-energy facilities - accelerators, large-scale facilities and equipment - adequate for the conduct of a valid high-energy research programme by the community of physicists in the participating countries and matched to the size of this community and to the resources which can be put at the disposal of high-energy physics by society. Duplication of similar accelerators should be avoided and international collaboration for the creation of these facilities should be encouraged if essential and efficient for attaining the purpose.
- Equilibrium between the roles of international and national laboratories and university institutes in this research, and a close relation between research and education in high-energy physics and other fields.
- Adequate conditions for research and a just and equitable sharing of facilities between physicists, irrespective of nationality and origin, as conducive to a successful collaborative effort.



Composition

Chairman - Manfred Krammer (AUT)
Secretary - Ken Long (UK) → Calin Alexa (ROM)

Member countries (24):

Austria, Belgium, Bulgaria,
Czech Republic, Denmark, Finland,
France, Germany, Greece,
Hungary, Italy, Israel,
Netherlands, Norway, Poland,
Portugal, Romania, Serbia,
Slovak Republic, Spain, Sweden,
Switzerland, United-Kingdom, CERN

Ex-Officio Members

CERN (2 pers)
DESY
INFN

Scientific Secretary for the Strategy
Session

Also Invited

EPS-HEPP Board Chair
ApPEC Representative
CERN Head of International Relations

Observer

Russian Federation



Swedish delegates

The section for particle and astroparticle physics at the Swedish physical society appoint 1 delegate for the restricted ECFA for 3+3 years and 2 delegates for the plenary ECFA for 6 years

RECFA

Richard Brenner (2011-2017) - UU

ECFA

Carlos De Los Heros (2008-2014) - UU

Leif Lönnblad (2007-2013) - LU (→ ersätts av Johan Rathsman - LU)



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 (PECFA July 19/20), Russia (PECFA November 22)



Panels 2012

Review Panel for LHeC CDR (chair Th. Müller)

LHeC CDR (ECFA/NuPEC sponsored study)

J. Phys. G: Nucl. Part. Phys. 39 (2012) 075001

ECFA Review Panel completed

Intermediate report given to PECFA July

Final memorandum for endorsement November 2012

ECFA Detector panel (chair Yannis KARYOTAKIS)

Review of CALICE collaboration activities November 2012

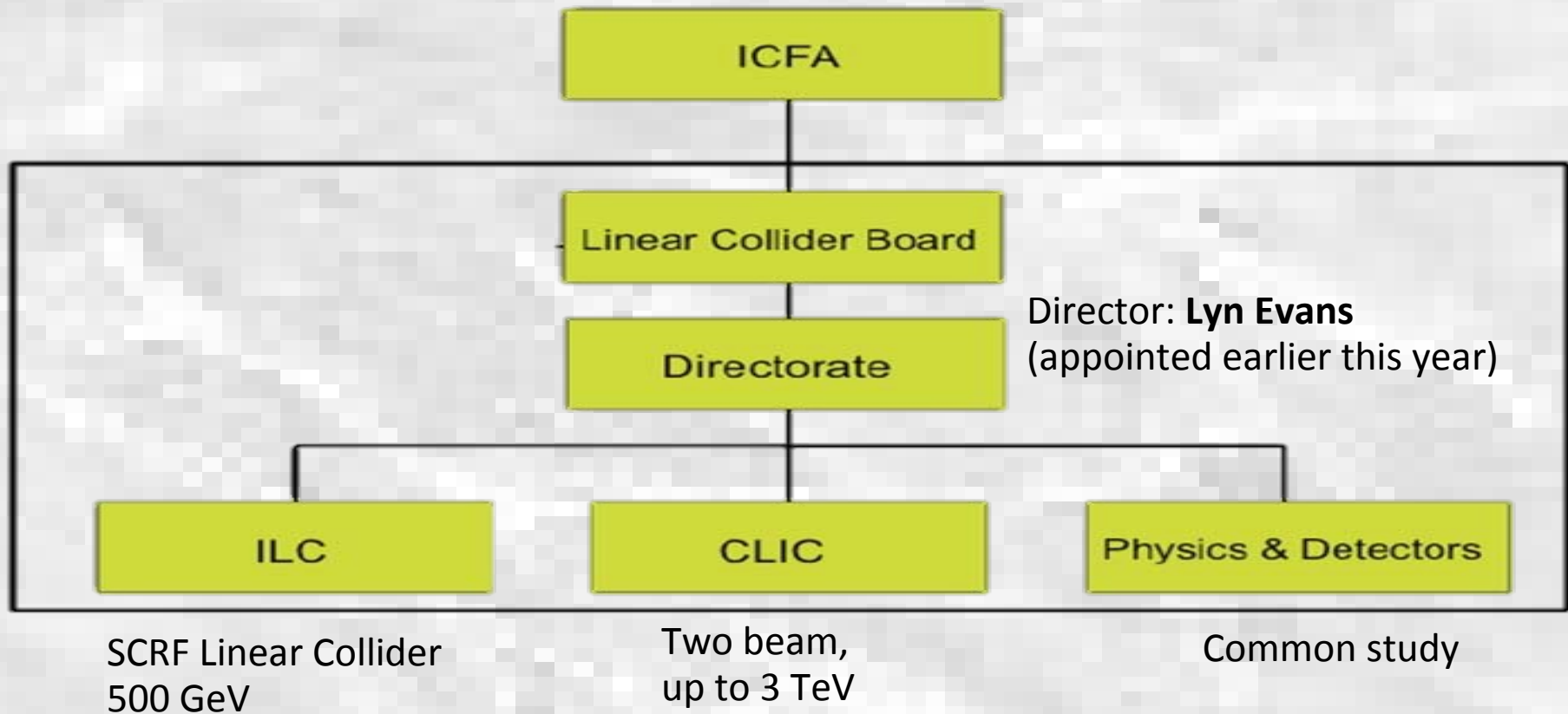
Linear Collider activities → ICFA

More after strategy talk.....



New LC Organisation

ILCSC (International Linear Collider Steering Committee) and ICFA agreed on new organization :





New LC Organisation - LCB

Mandate of LCB defined in Melbourne

The Linear Collider Board is an ICFA Subcommittee which will oversee the world linear collider effort. [http://www.fnal.gov/directorate/icfa/recent_lc_activities_files/](http://www.fnal.gov/directorate/icfa/recent_lc_activities_files/Linear_Collider_Board_Melbourne.pdf)

[Linear_Collider_Board_Melbourne.pdf](http://www.fnal.gov/directorate/icfa/recent_lc_activities_files/Linear_Collider_Board_Melbourne.pdf)

A 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.

Joint meeting of ILCSC and LCB in February 2013 (Vancouver):

Last meeting of ILCSC – first meeting of LCB !



European LCB Members

After several discussions and the consultation of many colleagues the ELCSC (European Linear Collider Steering Committee) converged to the following proposal for the 5 European members:

- DG CERN (R. Heuer)
- Director Particle Physics DESY (J. Mnich)
- Representative of Russia (Director Dubna, V.A. Matveev)
- Two representatives from the European community, nominated by RECFA and endorsed by PECFA
 - ➔ One person representing Accelerator physics (L. Rivkin)
 - ➔ One person representing Detector and Physics (F. LeDiberder)

Both ILC and CLIC activities should be represented by the two community representatives, aiming for a proper balance of the two communities in the overall representation.



European LCB Advisory Board

Additionally an “European Advisory Board” will be set up for these European members of LCB to enable the involvement of more European members of the LC community (ILC and CLIC) in the discussions and decisions.

- European members of LCB invite additional colleagues.
- RECFA should receive this list to take note and if appropriate make additional suggestions.



Japanese Sites

- Japanese Mountainous Sites -



SEFURI



Site-B



KYUSHU district



Site-A KITAKAMI



TOHOKU dist



- GDE-CFS group visited two sites, Oct., 2011.
- GDE EC visit in Jan. 2012.





ILC Plan in Japan

(After the discovery of a Higgs-like particle)

- Japanese HEP community proposes to host ILC based on the “staging scenario” to the Japanese Government.
 - ILC starts as a 250GeV Higgs factory, and will evolve to a 500GeV machine.
 - Technical extendability to 1TeV is to be preserved.
- It is assumed that one half of the cost of the 500GeV machine is to be covered by Japanese Government. However, the share has to be referred to inter-governmental negotiation.

