



ECFA – European Committee for Future Accelerators

ECFA Activities

1st International Conference on New Frontiers
in Physics

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Tatsuya NAKADA, Former Chair of ECFA (2009–2011)
Ecole Polytechnique Fédérale de Lausanne (EPFL)





- History, structure and role of ECFA
- Recent ECFA activities
 - Country visit
 - ECFA Survey
 - Coordination of European Activities
 - Relation with other regions and near-by fields
- Summary



- **History, structure and role of ECFA**
 - Started in early 1963 (!) on the initiative of Weisskopf, then Director-General of CERN and of Powell, Chairman of the CERN Scientific Policy Committee



- History, **structure** and role of ECFA
 - Membership: CERN “member” states and some observers
 - Restricted meeting of ECFA (RECFA):
 - one delegate per member country
 - CERN: DG, Scientific Secretary to the Strategy Session of Council. Director of Research
 - DESY: Director for HEP and astroparticle physics
 - Frascati: Director
 - Plus some other invited people (EPS-HEPPB, APPEC, etc.)
 - Plenary meeting of ECFA (PECFA)
 - more people per membership countries



- History, **structure** and role of ECFA
 - ECFA members are nominated by the each member countries and endorsed by the ECFA Plenary meeting
 - Chair of ECFA is nominated by RECFA and endorsed by PECFA



- History, structure and **role of ECFA**
 - ECFA is not really in the CERN structure but a community organization, although receives some secretariat help from CERN.
 - Present in different European and international bodies, e.g.
 - CERN: SPC, FC and Council meetings
 - DESY: Scientific Council meetings
 - APPEC: Steering meeting
 - EPS: HEPP board meeting
(HEPPB-chair is an observer of P/RECFA)
 - ICFA and ILCSC



- History, structure and **role of ECFA**
 - Monitor the development of particle physics activities in the member countries:
 - Regular RECFA visit to the member countries
 - Regular survey by RECFA on the particle activities in the member states
 - Help the development of new European initiatives in particle physics
 - morally sponsoring workshops
 - setting up working groups for specific subjects
 - All the issues are presented for discussion in the plenary meetings



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- Recent ECFA activities

- Country visits

- 2010: Belgium, Bulgaria, Finland
- 2011: Austria, Slovakia, Romania, Spain
- 2012: Netherlands, Poland, Italy, Serbia

Presentations on physics programme (including astroparticle), organization, funding, statistics, outreach, student opinion, etc.

Quick ECFA feedback to the community

Letter sent to relevant government authorities

- ECFA Survey autumn 2009

Available as ECFA report



- **Recent ECFA activities**
 - Coordination of European Activities:
past and ongoing
 - INFN Super B Factory project evaluation by a RECFA working group: Reported at PECFA November 2008
Continue to review the progress
 - Co-supported neutrino workshop at CERN in September 2009
 - Co-supporting LHeC project for CDR in 2010
 - Co-supporting ILC detector working group activities
 - Co-supporting the outreach activities of I(E)PPOG



- Recent ECFA activities
 - ECFA Detector R&D Review Panel hosted by DESY
 - an European organization for reviewing large HEP detector R&D
 - “for not yet approved projects without host labo e.g. LC, neutrinos, Super-B, ... but not SLHC”
 - help the European HEP groups and national funding agencies
 - Administrative and financial support by DESY
 - Chair: Y. Karyotakis + 9 members
 - First meeting took place recently at DESY



- Recent ECFA activities
 - EUROnu Interim Report Review Panel
 - Setting-up an European organization to receive and review reports from the European activities for the future neutrino facilities:
i.e. IDS-NF, EUROnu
 - help improving the communication among the neutrino groups, as well as the communication between the neutrino and the rest of HEP community
 - Review results as an ECFA Report



- Recent ECFA activities
 - Relation with the other regions and near-by fields
 - Exploring a possibility to open inter-regional relations reflecting the geographical enlargement plan of CERN
NB: Require other regions to establish a HEP organization like ECFA,
e.g. ACFA discusses only accelerator hardware, HEPAP or P5 are bodies of the funding agency
 - e.g. the Chair of the Japan Association of High Energy Physicists were invited for the PECFA meeting in July at LNF(Frascati): a step toward the Asian region



- Recent ECFA activities
 - Relation with the other regions and near-by fields
 - Examining the relation with particle physics which is non-accelerator based or interfacing with nuclear physics
 - e.g. the Chair of NUPEC invited for the PECFA meeting in November at CERN: to learn about their future vision



- **Recent ECFA activities**
 - Participation in the European Strategy Updates
 - Four ECFA members are the members of the Preparatory Group members of the European Strategy Update: Producing a briefing book on the scientific material of the strategy update for the Strategy Group
 - Regular discussions on the strategy matter and informal feed back through the scientific secretary



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 - Foster new ideas for the future



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 - Foster new ideas for the future
 - Help forming community opinions and represent them



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- ECFA is adjusting its role to the transition of the CERN Council becoming responsible for the European strategy for particle physics
 - Foster new ideas for the future
 - Help forming community opinions and represent them
 - Help maintaining strong national activities and regional programmes



- Summary
 - Playing a major role in updating the European Strategy Document in 2012



- **Summary**

- Expected to play a major role in updating the European Strategy Document in 2012
- Exploring to establish a relation with other regions