



ECFA Report to the CERN Council (2009 activities)

Country Visits and Mid-Term Reports

ECFA Survey (preliminary)

Scientific activities

ECFA involvement in ICFA / DESY SC / EPS etc.

Plan for 2010

By Tatsuya NAKADA, ECFA Chair

Ecole Polytechnique Fédérale de Lausanne (EPFL)





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ECFA - European Committee for Future Accelerators

Visit to Switzerland, March 6/7, hosted by EPFL Lausanne



Positive Points :

- Strong engagement as CERN host state
- Renowned Nat. Lab, PSI, accelerator research
- Good internal organisation (CHIPP)
- Substantial financial support
- Open, international academia

Points discussed :

- Need to ensure continued support for future projects
- Reinforce Professorships for phenomenology and accelerator physics recommended
- Outreach activities to be strengthened





ECFA - European Committee for Future Accelerators

Letter received june 30th from M. d'Ambrogio Swiss State Secretary for Education and Research

Thank you for your letter of 15 June 2009 in which you summarise the findings of the ECFA visit to Switzerland at the EPFL in March this year. I appreciate these regular reviews helping our CERN membership and high-energy physics community to progress and develop.

I thank you for the appreciation of concrete progress since the last ECFA visit in 2002, mainly through the creation of CHIPP – an idea launched by my predecessor to coordinate Swiss interests and participations in this research domain – and the continuous funding support through FORCE.

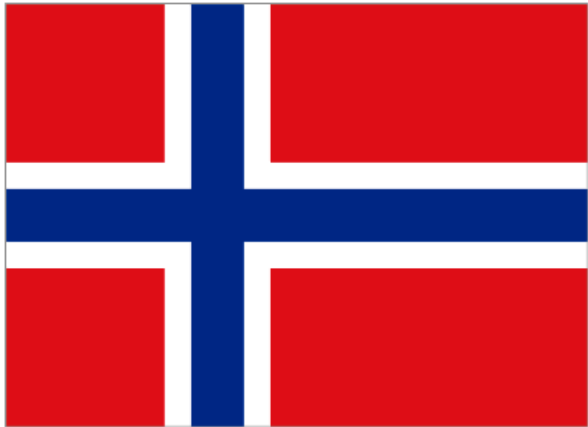
It goes without saying that the Swiss Host State engagement in CERN creates a win-win situation as our additional governmental contributions let the organisations benefit scientifically, and our country and especially the region of Geneva is rewarded through an increased industrial return.

Together with my collaborators, I will carefully analyse your very valuable list with the 6 commonly used categories in order to discuss your mainly positive findings and recommendations with the Swiss scientific community in view of possible further improvements and efforts.



ECFA - European Committee for Future Accelerators

Visit to Norway, May 15/16, hosted by Oslo U. / Academy



Positive Points :

- Strongly improved Post-Doc situation
- Improved funding from Research Council
- Open, international research community
- Good link to technology companies

Points discussed :

- Suggest closer scientific and educational link to cosmic physics / astrophysics
- Sustained support from universities required (re-assign positions)
- Norwegian CERN staff representation





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Russia, October 15/16 in Moscow hosted by Russian Academy



Positive Points :

Long tradition of numerous national institutes with well-established accelerator expertise and infrastructure for large mechanical work

- Good contribution to the LHC programme
- Strong astroparticle physics

Points discussed :

- Scientific body to coordinate funding, future projects, and over all strategies.
- Clear opportunities for young people and outreach activities.





ECFA - European Committee for Future Accelerators

Midterm Reports given during ECFA Plenary, November 2009

Israel :	Presented by G. Mikenberg
Italy :	Presented by V. Vercesi
Poland:	Presented by J. Kalinowski

Slides available

<http://indico.cern.ch/conferenceDisplay.py?confId=72225>





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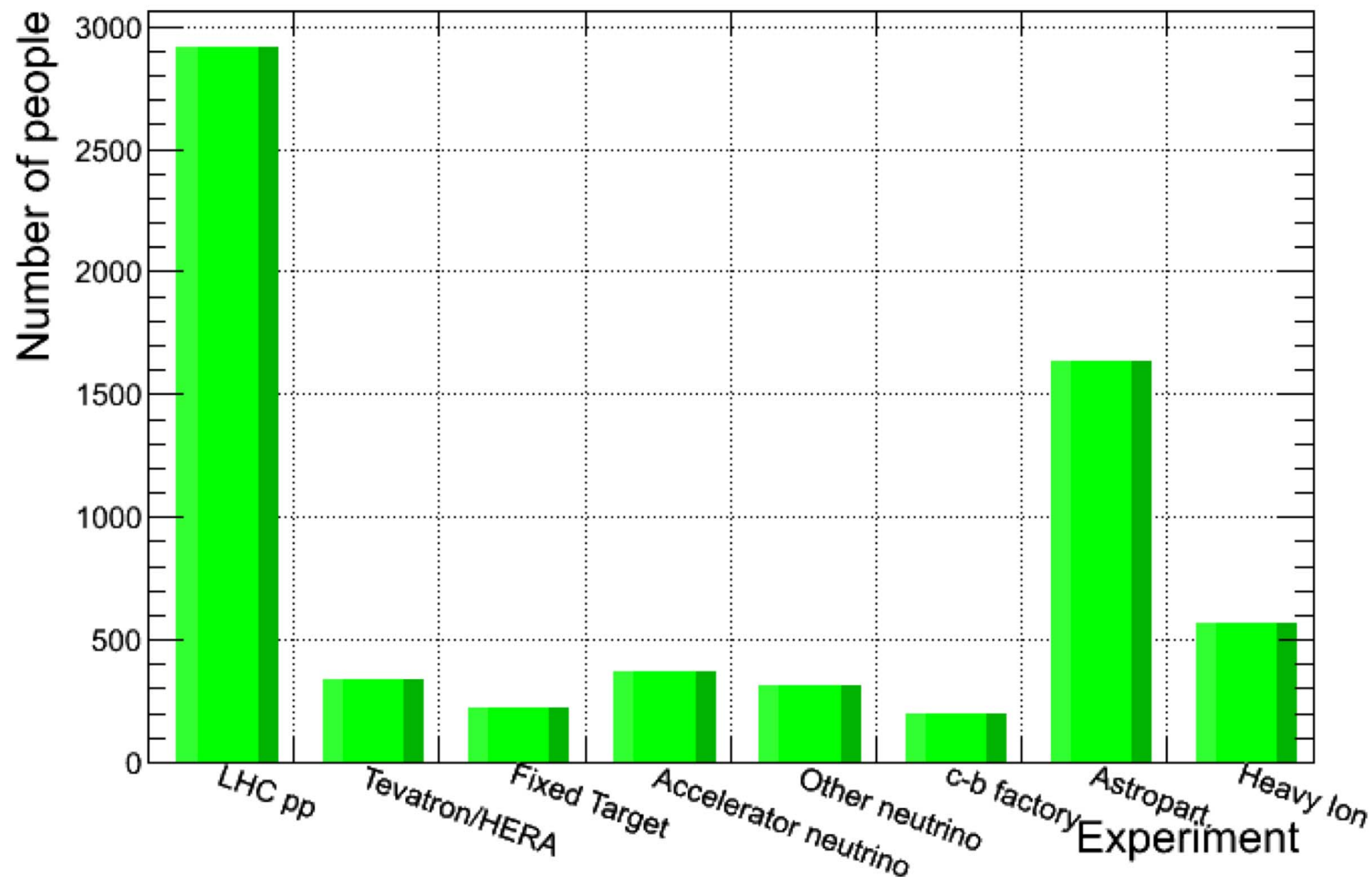


ECFA regularly perform a survey of Particle Physics in Europe.

Data are gathered by the RECFA members.
This year's survey, activities are measure by
"fractional research activities (FRA)"

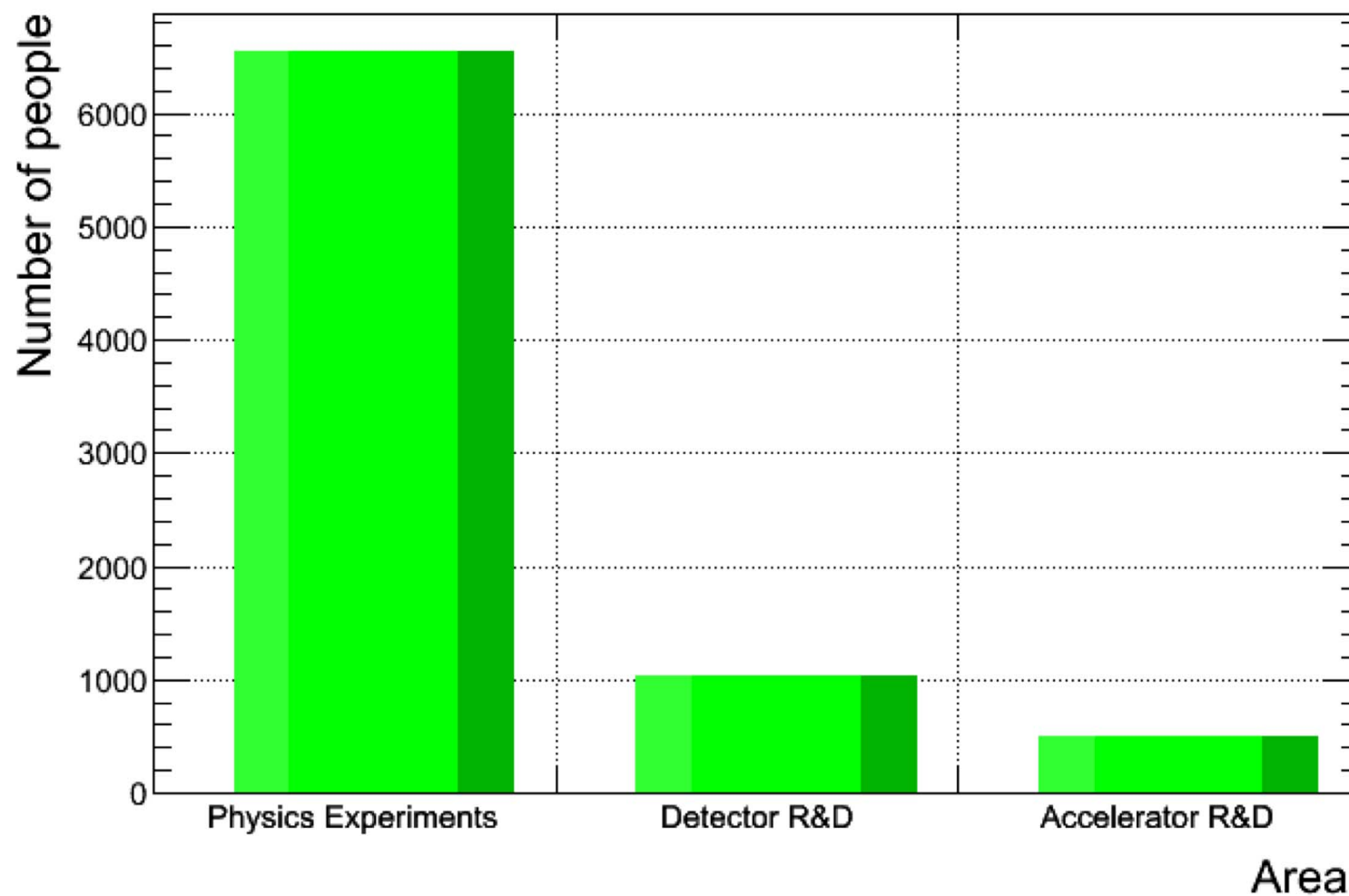
Anybody who spend more than 20% of FTE on particle physics activities would be counted as 1 FRA. People can work for different projects for fractions of FRA and the sum must be 100%.

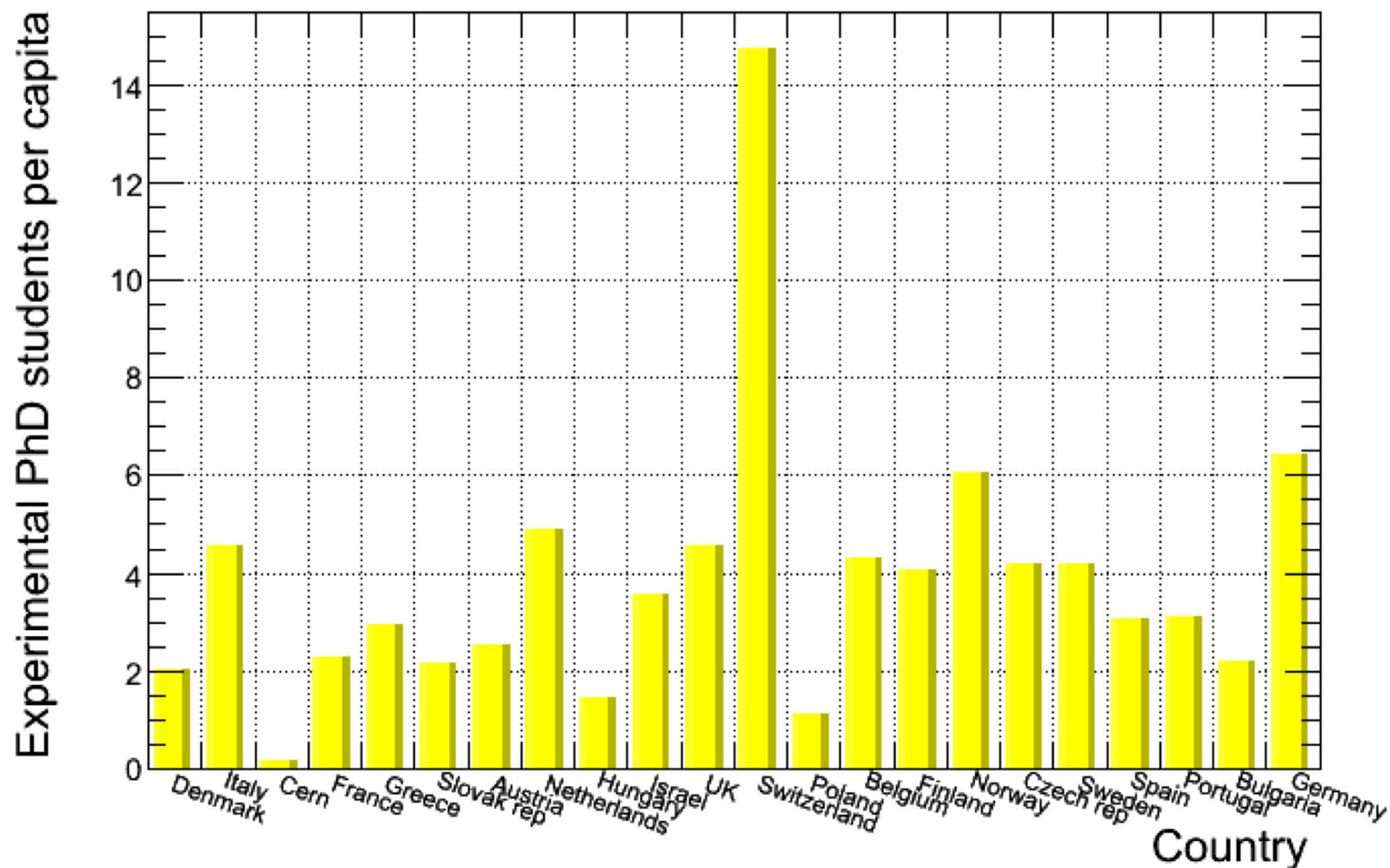
Analysis is in progress. Here are few very preliminary results.





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Joint ECFA/DESY Study on Physics and Detectors for a Linear Electron-Positron Collider :

ILC and CLIC accelerator status presented at November Plenary

LC detector activities presented at November Plenary

LC physics detector workshop in September 2010 at CERN

(same time with ILC/CLIC machine workshop)

-Need for a framework overseeing the detector R&D

For ILC DESY PRC has been doing this, but something

is needed for the CLIC community as well

In view of closer communication being established

between ILC and CLIC, ECFA tries to solicit a solution

to accommodate the both needs.

ECFA Study on Future b-Factories :

ECFA Report on the INFN project available as ECFA/08/257

INFN and KEK status presented at November Plenary session



ECFA LHeC Study

II-nd Workshop in September in Divonne
Status presentation at November Plenary
CDR by the end of 2010

ECFA Neutrino study

Co-sponsoring the neutrino workshop September 2009 at CERN
Presentations at November Plenary

Summary of the workshop

International Design Study for neutrino factory

FP7-Euronu

EP7-Neutrino2012

-very active community, but diversified R&D activities (EU supported)
and also not well known by the rest of the HEP community
ECFA will see whether it can help better communication
internally and globally



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ECFA Chair is a member of
ICFA
ILCSC
DESY Science Council
APPEC Steering Committee
EPS HEP Board



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The 2009 Europhysics Conference on High Energy Physics, a biennial conference organized by the High Energy Particle Physics Division of the European Physical Society, took place in Krakow from 16 July to 22 July 2009 in the Auditorium Maximum of the Jagiellonian University.

The Conference was hosted by the Henryk Niewodniczanski Institute of Nuclear Physics PAN, Jagiellonian University, AGH University of Sciences and Technology, and Polish Physical Society.



ECFA - European Committee for Future Accelerators

Well attended and lively (approx. 350 participants) Joint EPS-ECFA Session with forward looking presentations about Particle Physics in Europe and extended discussions

14:00 6. Introduction (P. Osland & K. Meier)

[Slides](#)

14:10 7. Astroparticle physics and relations with the LHC

14:30 8. Discussion

14:50 9. The high-energy frontier (R. Heuer)

[Slides](#)

15:10 10. Discussion

--- COFFEE ---

16:00 11. The future of accelerator based neutrino physics (A. Blondel)

[Slides](#)

16:20 12. Discussion

16:40 13. Super-B factories (T. Nakada)

[Slides](#)

17:00 14. Discussion

17:20 15. Overall discussion and concluding remarks



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ECFA meetings in 2010

RECFA Country visits :

Bulgaria (7-8.5)

Belgium(5-6.3)

Finland (8-9.10)

Plenary ECFA Meeting :

Frascati Laboratory (1-2.7)

CERN (25-26.11)

PECFA midterm reports in 2010

Summer Plenary session

Denmark and The Netherlands

Autumn Plenary session

France and Hungary