

Minutes

of the Thirty-Fourth Meeting of the Nuclear Physics European Collaboration Committee (NuPECC)

held on February 19/20, 1999, in Sevilla

Participants:

J. Äystö
G. Barreira (ECFA)
T. Døssing
J. Durell
A. Fonseca
S. Galès (Chairman)
D. Guerreau
M. Harakeh
M. Huyse
J. Jastrzebski
G.-E. Körner (Scientific Secretary)
H. Leeb
M. Lozano
G. Løvhøiden
R. Malfliet (ECT*)
J. Martino
G. van Middelkoop
G. Ricco
A. Shotter
I. Sick
A. Wagner
Th. Walcher

H. Karow (ESF), E. Migneco, W. von Oertzen (EPS), Ö. Skeppstedt and H.J. Specht could not attend.

Agenda

- 1.) Minutes of the Last Meeting
- 2.) Report of the Chairman
- 3.) Nuclear Physics News International
- 4.) NuPECC Handbook 4th Edition
- 5.) Concerted Action FINA
- 6.) PANS
- 7.) ECT*
- 8.) Relation with ESF
- 9.) NuPECC Study Group on Radioactive Beam Facilities
- 10.) NuPECC Study Group on Computational Nuclear Physics
- 11.) ELFE and NuPECC - CERN Study Group
- 12.) Resources in Nuclear Physics
- 13.) New Initiatives
New Survey on Impact and Applications
- 13.) Miscellaneous
- 14.) Next meeting(s)

1. Minutes of the last meeting

The minutes of the thirty-third meeting are agreed upon without changes.

2. Report of the chairman

- The ESF Board nominated J. Äystö as Acting Chairman of NuPECC from July 1, 1999, on. The ESF will be asked for a formal appointment as Chairman as of January 1, 2000.
- The final report of the OECD Megascience Forum Working Group on Nuclear Physics came out on January 11, 1999. Its conclusions are largely in coherence with the perspectives in the NuPECC Report.
- S. Galès participated in the meeting of the ELFE@CERN Study Group on December 14, 1998, where a memorandum was established on the mission and E. de Sanctis was chosen as Chairman of the Study Group, and to the meeting on February 10, 1999. NuPECC has received a letter from B. Wiik inquiring about the inclusion of the ELFE@DESY project into the TESLA proposal. A discussion on this point will take place under point 11 of the agenda.
- The ECT* Board of Directors met on November 14/15, 1998 and on January 30/31, 1999. New Board members have been nominated, and a proposal to redefine and remodel the ECT* concept were discussed. This will be discussed under point 7 of the agenda.
- S. Galès participated in the meeting of the NuPECC Study Group on European Radioactive Beam Facilities on December 7/8, 1998, in Mainz. He thanked R. Siemssen and asked B. Jonson to chair the Study Group. A. C. Mueller will act as Vice-Chairman. The possibility of presenting a proposal to the EU to fund a design study towards a European radioactive beam facility was discussed. S. Galès has received a letter from D. Habs asking NuPECC for a statement. Further discussion will take place under points 5 and 9 of the agenda.
- S. Galès participated in the Round Table Meeting of the Concerted Action FINA which was held on February 4 - 6, 1999, in Abano/Padova/Venezia. This will be discussed under point 5 of the agenda.

3. Nuclear Physics News International

S. Galès thanks J. Äystö for his work as Chairman of the Editorial Board. NuPECC appoints M. Harakeh as new Chairman and M. Lozano as new member of the Editorial Board.

J.M. Poutissou refuses to pay the Canadian contribution for NPN; he will be contacted by M. Harakeh.

S. Galès proposes to produce NPN at one of the major facilities; he is inquiring about the possibilities to do it at IPN Orsay.

4. NuPECC Handbook Fourth Edition

The new edition of the NuPECC Handbook is ready; a page with ECT* is just being added, then it will be distributed according to the mailing list for NPN. S. Galès expresses reservations concerning the numbers of users quoted by some facilities that maybe due to different definitions of „users“.

5. Concerted Action FINA

J. Äystö reports on the meeting of the Concerted Action FINA which was held in Abano/Padova/Venezia on February 4 - 6, 1999. Copies of his transparencies are enclosed.

NuPECC has produced its deliverables, the Report and the Handbook. The proposal for the continuation is due on May 4, 1999. NuPECC is asked to provide the names of five users of the Large Scale Facilities; S. Galès will accept proposals for users until March 2, 1999.

A copy of the minutes of the meeting is enclosed.

6. PANS

For the three well-known initiatives - book, website and travelling exhibition - NuPECC feels that the production of the book should be in the hand of the authors and be pursued, whereas the cost for the website and the exhibition are considered to be very high. So NuPECC asks the two leaders of those activities to come and present their projects at the next NuPECC meeting.

The so-called „4th initiative“, i.e. the production of a glossy booklet using the NuPECC Report as input, is considered to be important and urgent. S. Galès has been told by H. Karow that there is the possibility to get additional funding from ESF for this initiative. This initiative will be included into the application for an „Infrastructure Co-operation Network“. In order to find bridging money for 1999, S. Galès has sent letters to various laboratories. A copy of such a letter is enclosed.

7. ECT*

R. Malfliet reports on the meetings of the Board of Directors held on November 14/15, 1998 and on January 30/31, 1999. A. Povès and C. Ciofi degli Atti have been appointed as new board members. By the end of 1999, the term of A. Richter ends; in addition, there is still a vacancy . R. Malfliet asks for proposals. The programme for this year has been fixed; 10 workshops have been selected.

The financing of ECT* is in firmer conditions due to the contributions from France, Germany and Italy. From the „smaller“ countries, Denmark, The Netherlands and Sweden have agreed to pay their contribution; positive replies have also been received from Spain, Belgium and the Czech Republic. The NuPECC members are asked to help in securing the funding from their countries. From 2000 on, the Board of Directors will pick two main topics per year around which two-weeks workshops with following one-week collaboration meetings will be organised. For this year already, astrophysics has been chosen as a major topic.

In addition, ECT* will offer fellowships of six weeks; 12 senior fellowships which can be realised in three tranches over two years with three travels being financed, and 24 junior fellowships with one travel financed. In order to realise this concept, ECT* will apply for an access contract for an infrastructural centre of competence within the 5th Framework in the order of 200 k€.

8. Relation with ESF

H. Karow could not attend the meeting and did not provide any comments.

9. NuPECC Study Group on Radioactive Beam Facilities

The last meeting of the Study Group was held on December 7 and 8, 1998, in Mainz. S. Galès thanks R. Siemssen for his work as Chairman, and welcomes B. Jonson as the new Chairman. A.C. Mueller will be the Vice-Chairman; together with J. Vervier they form the Steering Group. The task

of this Steering Group is twofold; it has to co-ordinate the writing of the report to NuPECC as well as the RTD proposal to the EU. B. Jonson installed four subgroups, headed by H. Ravn, D. Habs, G. Münzenberg and J. Vaagen. Further details can be found on J. Äystö's transparencies that are enclosed.

The Chairman of the Study Group has been asked to attend the NuPECC meeting and give an intermediate report. He will do so at the next meeting in Uppsala.

S. Galès has received a letter from D. Habs asking NuPECC for an assessment of the MAFF project within a European framework. J. Äystö, D. Guerreau and W. Wagner prepared a text which S. Galès will use as a basis for his answer to D. Habs.

10. NuPECC Study Group on Large Scale Computing

The Study Group has received the letter from NuPECC and is willing to act accordingly. A meeting will be organised at ECT* on April 8 - 10, 1999, where on the first day people experienced in parallel computing will discuss about their experience and perspectives, on the second day people with expertise in computer centres on hardware and the organisation, and on the third day 2 members of each group. In the meantime, ECFA has established a study group with the same subject. H. Satz is a member of both study groups and will serve as a liaison.

11. ELFE and NuPECC - CERN Study Group

J. Martino reports on the two meetings of the Study Group which were held on December 14, 1998, and February 10, 1999. At both meetings, the head of the accelerator division, K. Hübner, and the director of research, C. Détraz, were present. At the first meeting, ideas were exchanged on machine and general parameters, and a first layout was presented for the Prévessin site. E. de Sanctis was chosen as chairman; two subgroups were formed on the machine, headed by G. Geschonke, and on the physics, headed by J. Martino or E. de Sanctis. A memorandum was established containing the mission of the study group.

In the February meeting, reports were given on the progress on the machine side. It was proposed to install the accelerator upstream the EMC hall, with the electron beam reverse to the muon beam. One main and one parasitic beam should be provided, and two main experiments be built: one of spectrometer type in a new underground hall, one at lower intensity of 4 pi type, possibly at the site of the NA50/NA48 experiments. The physics case was presented by J.M. Laget focusing on the European network on hadronic physics.

The date of June 1999 for accomplishing a report appears to be too early, in particular in view of the opinion of the French community not to go ahead alone, but only together with the Germans and Italians. It is also felt that the physics case needs updating in view of the recent developments.

NuPECC has received a letter from B. Wiik inquiring about the status of the ELFE@DESY project and whether it should be included in the TESLA proposal which is due soon. S. Galès will send B. Wiik a positive reply that the missing items will be added.

12. Resources in Nuclear Physics

NuPECC decides to publish the survey without the chart referring to expenditure per country. The introduction will be changed accordingly.

13. New Initiatives

The proposal of having a big European spring meeting such as in Strasbourg in 1990 on a regular basis is discussed; this point will be brought up again at the next NuPECC meeting.

A report of the NuPECC activities condensed from the minutes should appear in every issue of Nuclear Physics News.

In order to start up a new review on the impact and applications of nuclear science, S. Galès will establish a steering group together with J. Äystö for the next meeting.

14. Spin-off Study Group ECFA-NuPECC

G. Barreira reports on changes in ECFA and at CERN: E. Fernández has been replaced by L. Foà as Chairman of ECFA. CERN has a new Director General, L. Maiani, and new Directors of Research, C. Détraz and R. Cashmore.

The report of the spin-off study group has now been written. It contains 8 chapters, but is a patchwork now. G. Fraser offered to edit the report and then publish it in the CERN Courier. S. Galès proposes that the NuPECC members receive a copy of the present report in order to give their input to G. Fraser.

15. Miscellaneous

H. Leeb reports on a collaboration meeting on a neutron TOF facility at CERN for which a proposal will be handed in to the SPC by end of March. H. Leeb is asked to inform the NuPECC members about the workshops on specific topics that are planned.

The former Chairman of NuPECC, P. Kienle, will give his valedictory lecture on November 8, 1999, at 17:15 h at the Technische Universität in Garching. Invitations will be sent out soon.

16. Next Meetings

The next meetings will take place on June 18 and 19, 1999, in Uppsala; tentative date and place for the following meeting are November 5 and 6, 1999, in Lisboa or München or Trento

München, February 22, 1999

A handwritten signature in black ink, consisting of a stylized 'G' and 'E' followed by a long horizontal line.

(Gabriele-Elisabeth Körner)