

Minutes

of the Twenty-First Meeting of the Nuclear Physics European Collaboration Committee (NuPECC)

held on October 15/16, 1994, in Copenhagen

Participants:

- J. Äystö
- J. Dines Hansen (for ECFA)
- H. Doubre
- A. Fonseca
- C. Gaarde
- S. Galès
- P. Guichon
- B. Jonson
- H. Karow (for ESF)
- P. Kienle (Chairman)
- G.-E. Körner (Scientific Secretary)
- R. Malfliet
- G. Morrison
- E. Otten
- G. Pappalardo
- P. Picozza
- B. Schoch
- I. Sick
- P. Twin
- J. Vervier
- P. de Witt Huberts

R. Bock (for EPS), W. Breunlich, E. Moya de Guerra, E. Osnes and A. van der Woude could not attend.

Agenda

- 1.) Minutes of the last meeting**
- 2.) Report of the Chairman**
- 3.) Budget**
- 4.) Nuclear Physics News**
- 5.) NuPECC Report "Impact and Applications"**
- 6.) ELFE**
- 7.) Future EC Programmes**
- 8.) ICHIA Meeting**
- 9.) Miscellaneous**
- 10.) Next meeting(s)**

1. Minutes of the last meeting

The minutes of the twentieth meeting are agreed upon without changes.

2. Report of the chairman

P. Kienle welcomes R. Malfliet as new NuPECC member for The Netherlands.

Nuclear Physics News: The new contract with Gordon & Breach has now been signed by all parties, a copy of the contract is available from G.-E. Körner. From Vol 4 No 3 on 1000 copies are being distributed in the US. Negotiations with Canada are in progress as well as with Japan. Details will be discussed under point 4 of the agenda.

NuPECC report "Impact and Applications of Nuclear Science": All contributions from the Working Groups have been received, the draft chapters written by A. van der Woude have been sent to all NuPECC members and the conveners; everything will be discussed under point 5 of the agenda. The editorial subcommittee will meet on November 9-10 to finalise the report.

ELFE: The NuPECC subcommittee on ELFE met on July 4 in Garching and issued draft recommendations, which have been sent to all members and will be discussed under point 6 of the agenda.

Future EC programmes: J. Vervier sent a letter to all members; the issue will be discussed under point 7 of the agenda.

ICHIA meeting: A meeting between scientists and members of funding agencies will take place on December 8/9 in Amsterdam, initiated by H. Feshbach. Details will be discussed under point 8 of the agenda.

ECFA meetings: NuPECC has been informed about the schedule for 1995, so NuPECC representatives who will attend are to be named; this will be discussed under point 9 of the agenda.

The letter that has been written to the various laboratory directors by P. Kienle according to point 6 of the minutes of the last meeting has already had some impact. E.g. GSI recently announced an "International Summerstudent Programme". It is proposed that the laboratories publish their announcements in Nuclear Physics News.

E. Otten reports on the OECD Megascience Forum, where he presented views on nuclear physics in relation with particle physics. A similar meeting, more devoted to physics aspects, took place in Lausanne on September 12-14, 1994, where P. Kienle gave a presentation on NuPECC. A report on that meeting written by P. Kienle will appear in the next issue of Nuclear Physics News.

An item on the agenda for the future should be the imminent threat that access to facilities might not be free any more .

3. Budget

H. Karow reports that all agencies paid the increased fee for 1994 without complaints.

S. Galès elaborates on the budgets of 1993 and 1994. Copies of the balance sheets are enclosed. S. Galès announces that he wishes to be replaced as treasurer in the course of 1995.

4. Nuclear Physics News

The new contract with Gordon & Breach has been signed by all parties; a copy of the contract is available from G.-E. Körner. The contract secures the same contribution as up to now (\$5000 per issue) from NuPECC for the next two years, and after that a maximum increase according to an average European inflation rate. In addition, NuPECC may ask for another 2000 copies to be sent out as it wants.

From Vol. 4 No. 3 onwards, 1000 copies of NPN are being distributed in the US; DOE and NSF agreed to pay NuPECC the amount of \$2000 per issue for that.

NuPECC nominates R.F. Casten (Brookhaven) and T.W. Donnelly (MIT) as additional members of the Editorial Board as proposed by the US community. It is also agreed upon that one more member should be looked for, being active in applications, preferably from Europe.

Negotiations with Canada will soon lead to an analogous agreement. S. Galès will continue to discuss with the directors of RIKEN, RCNP Osaka, INS Tokyo and KEK on the occasion of a visit to Japan. On the long range, an expansion to China is also envisaged.

The eventual addition of a member from Japan (and China) to the Editorial Board is also agreed upon.

The title of the magazine is changed from "Nuclear Physics News Europe" to "Nuclear Physics News International".

S. Galès will write a letter to the ESF informing them about the new contract and the agreement with the US.

H. Karow asks for a formal "letter of understanding", which will be drafted by S. Galès and then sent to P. Kienle.

5. NuPECC Report on "Impact and Applications"

All the ten contributions have been received from the conveners. It is agreed upon to order them in the following way, going from life sciences via social sciences to basic sciences:
 Medicine - Radiobiology - Industry - Energy - Environment - Arts & Archaeology - Condensed Matter Physics - Atomic Physics - Nuclear Astrophysics - Fundamental Physics.

The names and affiliations of the members of the Working Groups will be stated at the beginning of each chapter.

Since a certain imbalance between the various chapters is felt, they are all sent to the conveners, accompanied by a letter from P. Kienle. They will have a last opportunity for amendments of their contribution, now seeing it in context with the others, before December 1, 1994.

The comments on the introduction made in the discussion are taken down by G.-E. Körner and will be conveyed to A. van der Woude by R. Malfliet. Essential changes are that only Figure 1 should be kept in the preamble; P. Kienle will introduce a sentence on neutron physics; G. Pappalardo proposes to include some text on Mineralogy; P. Kienle will produce a short text on accelerators used for applications, possibly centred around the figure of the present text. He will seek the help of N. Angert and C. Bieth for this text, which will then be included into the introduction. The "Recommendations" are to be changed into "Observations and Perspectives", and the text should be modified accordingly.

G. Morrison proposes that a professional writer should be hired to revise the introduction, who could also be present at the meeting of the editorial subcommittee on November 9/10, 1994, in Groningen.

All NuPECC members who are interested will meet on December 14, 1994, in Paris to discuss and endorse the final text of the report.

6. ELFE

The NuPECC subcommittee on ELFE met on July 4, 1994, in Garching and issued a draft of the NuPECC response, which has been sent to all NuPECC members. This draft is discussed and amended. The final text as elaborated by I. Sick is sent to the NuPECC members for endorsement. It will then be sent to the ESF Executive Board, which will have its next meeting on November 22, 1994.

After the endorsement by ESF, the text will be sent to the agencies according to a list to be provided by H. Karow. It will also be sent out as a press release and to the various laboratories, funding agencies and members of the Steering Committee as well as been published in Nuclear Physics News.

A copy of the text is enclosed.

7. Future EC Programmes

A letter has been sent to all NuPECC members by J. Vervier concerning the decision on the "Forth Framework" that might be taken beginning of December. This would lead to a call for proposals already in March 1995. The laboratories interested should start to prepare their applications already now.

For the next "Round Table" meeting of the laboratories supported in the "Human Capital and Mobility: Access to Large Facilities", which will take place on March 3, 1995, at GSI Darmstadt, J. Vervier will propose P. Kienle to be invited as representative of NuPECC and a representative from the ELFE network, the name to be conveyed to him by P. Guichon.

8. ICHIA meeting

P. Kienle took the responsibility for the scientific part of the ICHIA (International Committee for High-Intensity Accelerators) meeting initiated by H. Feshbach, which will be held on December 8/9, 1994, in Amsterdam, between physicists and funding agencies. For the session on applications, he will invite H. Blattmann (Medicine), C. Rubbia (Energy) and if possible W. Kutschera or J. Behr (Environment). It is proposed that P. Kienle should chair that session himself, giving a short introduction to the NuPECC report.

9. Miscellaneous

The NuPECC representatives for the next ECFA meetings will be: R. Malfliet on December 2, 1994, at CERN, P. de Witt Huberts on June 9, 1995, at DESY, and Björn Jonson on December 1, 1995, at CERN.

H. Karow reminds NuPECC that a review of its activities by ESF will take place in November 1995, which will have to include an oral presentation of the Chairman. The General Assembly in November 1995 will have to appoint a new chairman, so NuPECC will have to arrive at a proposal before.

Concerning the question of a new high intensity neutron source, ESF will investigate the physics case in general with existing and upcoming machines and evaluate the proposal of a spallation source, restricting itself to the physics case without any lobbying for a laboratory. An information sheet from ESF is enclosed.

In the reappraisal 1994, ESF is expected to strengthen its scientific strategic role. Two new Standing Committees will be established, one on physical and technical science, the other one on environmental science. Stronger links with NuPECC are envisaged.

G. Morrison is asked to inquire with R. Ricci about the progress in the project of a textbook/teaching package EPS has made, after B. Jonson handed over all his material to R. Ricci in October 1993 at his request.

It is agreed upon to invite D. Brink for the next meeting to get a report on the European Centre for Theoretical Studies in Trento.

Additional topics proposed for the next agenda are

- an inventory of resources for nuclear physics in Europe
- the relation between universities and large facilities
- publication policies.

10. Next meetings

All NuPECC members interested in the finalization of the report "Impact and Applications of Nuclear Science in Europe: Opportunities and Perspectives" will meet on December 14, 1994, in Paris.

The next meeting will take place on April 1/2, 1995, in Paris.

Garching, October 19, 1994

(Gabriele-Elisabeth Körner)