

# Minutes

## of the Twentieth Meeting of the Nuclear Physics European Collaboration Committee (NuPECC)

held on April 23/24, 1994, in Vienna

Participants:

- J. Äystö
- R. Bock (EPS/NPB)
- W. Breunlich
- H. Doubre
- A. Fonseca
- C. Gaarde
- S. Galès
- P. Guichon
- B. Jonson
- P. Kienle (Chairman)
- G.-E. Körner (Scientific Secretary)
- G. Morrison
- E. Moya de Guerra
- E. Osnes
- E. Otten
- G. Pappalardo
- P. Picozza
- M. Regler (ECFA)
- B. Schoch
- I. Sick
- A. van der Woude
- J. Vervier
- P. de Witt Huberts

P. Twin and H. Karow (ESF) could not attend.

## **Agenda**

- 1. Minutes of the last meeting**
- 2. Report of the chairman**
- 3. Nuclear Physics News**
  - How to proceed**
- 4. NuPECC Report on "Impact and Applications"**
- 5. ELFE**
  - Presentation**
  - Discussion**
- 6. Nuclear physics in "smaller countries"**
- 7. Next meeting**

## **1. Minutes of the last meeting**

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

## **2. Report of the chairman**

P. Kienle welcomes B. Schoch as new NuPECC member for Germany.

H. Karow sent a list to P. Kienle showing the present status of membership. A copy of that list is distributed at the meeting. Note: The correct first name of B. Schoch is Berthold!

P. Kienle received a copy of a letter drafted by H. Karow and sent by P. Fricker to the Greek agency on March 31, 1994. A copy of that letter is distributed at the meeting. NuPECC is concerned about the discrepancy between the minutes of the nineteenth meeting (point 6: "possible observer status at a reduced fee for a limited time") and the letter ("Greek Guest Membership for the duration of one year without payment of a membership fee"). It is proposed that letters written by ESF on behalf of NuPECC should be looked at by the Chairman.

P. Kienle reports on his contacts with the EC concerning nuclear physics in "smaller countries". This will be taken up under point 6 of the agenda.

## **3. Nuclear Physics News**

S. Galès reports on the meeting of the Editorial Board the day before:

(quote from the minutes of the meeting:)

In the negotiations with the Americans, it became clear that there is no possibility for a consensus with the APS, independent of the publisher. So it is proposed that 800 copies of Nuclear Physics News are sent to W. Henning at Argonne National Laboratory, from where they will be distributed further.

It is agreed upon that the Americans should be asked to pay NuPECC \$ 2000 per issue for their 800 copies.

Concerning the publisher, S. Galès will contact IOP to find out whether they can match the new offer from Gordon & Breach, before a final decision will be taken.

In the case of a change of publisher, it is proposed to change the name of the publication to "Nuclear Physics World".

W. Henning or another representative from the US is invited to join the Editorial Board.

S. Galès will contact A. Arima to find out about an expansion to Japan similar to the one to the US.

A letter should be sent to the correspondents in order to try to increase their productivity.

G.-E. Körner will send a questionnaire to those colleagues, who receive the bulk copies in the eastern European countries, to find out whether they get the numbers of copies they are supposed to, to whom they distribute them, and how many copies they could use in the future.

#### **4. NuPECC Report on "Impact and Applications"**

Revised versions have been received from nine of the ten Working Groups. They will be looked at and edited by A. van der Woude, B. Jonson and J. Äystö.

A. van der Woude will prepare a draft of a section on accelerators and analysing techniques, identifying the possible developments and perspectives, supported by H. Doubre and G. Pappalardo, and then get comments from specialists on the draft.

The introduction, featuring the motivation for the report, an overview of the field and an assessment by NuPECC, will be drafted by A. van der Woude, supported by J. Äystö, H. Doubre, P. Kienle and G. Pappalardo.

Both drafts will be discussed at the next meeting.

The editorial subcommittee (J. Äystö, B. Jonson, A. van der Woude) will meet in Munich right after the next meeting and prepare the final report.

#### **5. ELFE**

The ELFE project is presented by

- Ph. Leconte (machine challenge)
- H.J. Pirner (theoretical perspectives)
- P. de Witt Huberts (experimental point of view)

Copies of the transparencies of the presentations are included.

The discussion on the project is summarised in the following way:

- NuPECC examined the physics case and finds it interesting and essential for the microscopic understanding of quarks in hadrons and nuclei.
- The challenging new accelerator technology pushes the state of the art developed in Europe and provides an excellent opportunity for collaboration with the particle physics community (TTF)

NuPECC recommends:

- In order to reduce the cost a dedicated effort should be made; a testbed for the cryostat should be built and the technical feasibility established.
- A European project group should be installed in with the following tasks:
  - identify and push the technical developments needed for an optimally designed machine
  - work out potential applications
  - create a coherent and enlarged community
  - integrate the present experimental programmes into the future plans with ELFE

The above represents the input for the ELFE Subcommittee (H. Doubre, C. Gaarde, P. Kienle, E. Otten, P. Picozza, I. Sick, P. Twin), which will develop it into a draft of a NuPECC Recommendation. This draft will be discussed and a recommendation issued at the next meeting.

E. Otten, who is asked for a contribution on high energy aspects of nuclear physics at a meeting of the "megascience forum", will extend his contribution to the report on impact and applications according to the discussion and ask P. Guichon and P. Kienle for comments on his text.

## **6. Nuclear physics in "smaller countries"**

The only existing programme is the formation of a network within the Human Capital and Mobility framework of the EC, which enables nuclear physicists from smaller countries to get into a collaboration with colleagues at larger facilities on a specific project.

G. Morrison points out that increasing the number of nuclear physicists in smaller countries could also be of interest for the EPS/NPB. P. Kienle will contact R. Ricci on this issue.

A. Fonseca will work out a draft of a letter where NuPECC encourages big laboratories to invite summer students and visiting students from smaller countries. P. Kienle is asked to write such a letter to the laboratories identified by A. Fonseca.

Since the best education is doing research, people running and planning networks should be asked to invite younger physicists from smaller countries to participate.

## **7. Next meeting**

The next meeting will take place on October 15/16, 1994, in Copenhagen.

Garching, April 26, 1994

(Gabriele-Elisabeth Körner)