

# Minutes

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

held on November 7 / 8, 1997, in Hamburg

Participants:

- J. Äystö
- T. Døssing
- H. Doubre
- E. Fernández (ECFA)
- A. Fonseca
- S. Galès (Chairman)
- M. Harakeh
- J. Jastrzebski
- G.-E. Körner (Scientific Secretary)
- H. Leeb
- J. Martino
- G. van Middelkoop
- E. Migneco
- G. Morrison
- E. Moya de Guerra
- W. von Oertzen (EPS)
- E. Osnes
- G. Ricco
- B. Schoch
- D. Schwalm
- A. Shotter
- I. Sick
- J. Vervier
- A. Wagner

H. Karow (ESF), and Ö. Skeppstedt could not attend.

## Agenda

- 1.) Minutes of the Last Meeting
- 2.) Report of the Chairman
- 3.) ECT\* - Discussion with JINR Dubna
- 4.) Nuclear Physics News International (G. Morrison)
- 5.) Large Scale Facilities Concerted Action (J. Vervier)
- 6.) Resources in Nuclear Physics (A. Shotter)
- 7.) Budget Report (H. Doubre)
- 8.) Report „Highlights and Opportunities“
  - Recommendations - Endorsement
  - Network Chapter - Endorsement
  - Working Groups Reports - Endorsement
  - Introduction and Report from Editorial Committee (J. Vervier)
  - Status of Study Groups on RIB and Large Scale Computing (J. Äystö, H. Leeb)
  - Preparation of Meeting with Funding Agencies : Agenda, Date, Place (S. Galès)
  - Publication and Distribution of the Report
- 9.) Miscellaneous
  - Summary of the ELFE Discussion at the DESY Scientific Council (S. Galès)
  - Common Spin-Off Study Group with ECFA
  - Public Understanding of Nuclear Physics
  - NuPECC Representatives at EPS/NPB Meeting Nov 29 at GSI
- 10.) Next meeting(s)

## 1. Minutes of the last meeting

The minutes of the twenty-ninth meeting are agreed upon with the following change on page 4:  
Paragraph 7, second line: „MECU“ is replaced by „kECU“

## 2. Report of the chairman

- S. Galès welcomes J. Martino, Head of the Nuclear Physics Department of Saclay, as new member as well as W. von Oertzen as the new observer for EPS. E. Osnes will be replaced by G. Løvholden from the University of Oslo.
- On September 20-23, 1997, S. Galès participated in the Dubna Heavy Ion School, presented the upcoming NuPECC Report and discussed with Dubna officials about the status of observer. This will be discussed under point 3 of the agenda.
- The main meeting of the Editorial Board of Nuclear Physics News was held on October 10, 1997, in Paris; G. Morrison will report under point 4 of the agenda.
- The Editorial Committee for the NuPECC Report met on October 10, 1997, in Paris, and on November 7, 1997, in Hamburg. This will be discussed under point 8 of the agenda.
- The first Round Table meeting of the Concerted Action FINA took place on October 11 - 14, 1997, on Tenerife. J. Vervier will report under point 5 of the agenda.
- S. Galès participated in the workshop on electromagnetic physics on Santorini and presented the NuPECC Recommendations on quark and hadron dynamics.
- S. Galès was invited to participate to the meeting of PESC, the Physics and Engineering Sciences Council of ESF, on November , 1997, at Lisbon, and to present the activities of NuPECC. A progress report for 1997 has been submitted for the meeting of the General Assembly of ESF. A copy of this report is enclosed.
- On November 6, 1997, the accomplished work on the ELFE @ DESY proposal (physics, machine studies, detectors, simulations) were discussed at the DESY Scientific Council. Presentations were given by P. Hoyer on the physics case, J.M. Laget on the machine and the experimental programme and by S. Galès on the NuPECC Recommendations.

On the agenda for the next few months are

- the OECD Megascience Forum Working Group on nuclear physics on November 20 and 21, 1997, in Paris
- the invitation of NuPECC representatives to the meeting of EPS/NPB on November 22, 1997, at GSI
- the participation of S. Galès to the next meeting of the Board of Directors of ECT\* on November 29, 1997, at Trento
- the invitation of S. Galès to the meeting of the CERN SPC on December 16, 1997

### 3. ECT\* - Discussions with JINR Dubna

S. Galès sent a formal letter to the ESF Secretary General to endorse the nomination of ECT\* as member of NuPECC at the next General Assembly of ESF according to the mutual agreement of understanding. At the last meeting of the ECT\* Board of Directors in June, A. Winter has been appointed as the new Director of ECT\*. The present members of the board are J.P. Blaizot, G. Fiorentini, L. McLerran, R. Malfliet, B. Mottelson, C. Pethick, A. Richter and S. Galès for NuPECC. J.P. Blaizot and C. Pethick will be replaced by the end of this year. This decision will be taken at the next meeting of the Board of Directors on November 29, 1997, in Trento. The NuPECC Members are asked to point out possible candidates to S. Galès that he will then propose at the meeting. In addition, the working procedure of NuPECC with ECT\* and the representative of ECT\* in NuPECC will be discussed.

H. Karow visited Dubna on September 8, 1997. From the ESF point of view, the following terms of reference of Dubna pose problems:

- the inter-governmental status of JINR
- the power of the committee of plenipotentiaries
- the dual affiliation of countries e.g. Poland

The conclusion of ESF was that NuPECC should aim at a low-level link with JINR; i.e. a JINR representative could be invited to attend specific NuPECC meetings. S. Galès visited Dubna on September 20 to 23, 1997, and discussed this proposal with the vice-director Sylov and Yu. Oganessian. NuPECC - ESF will write a letter to JINR along these lines.

### 4. Nuclear Physics News International

the meeting of the Editorial Board took place on October 10, 1997, in Paris. The relevant part of the minutes of that meeting reads:

The new contract between NuPECC and Gordon & Breach has been signed and will go on until the end of 1998. I. Mellanby does not foresee any problem in its prolongation for two more years.

G. Morrison's term as a NuPECC Member and thus as Chairman of the Editorial Board will end by the end of 1997. He will propose at the next NuPECC Meeting in Hamburg on November 7 and 8, 1997, that NuPECC appoints J. Äystö as Chairman for 1998, followed then by M. Harakeh from 1999 on. Yu. Oganessian will continue for another year.

G. Morrison will draft a letter to the correspondents enquiring about their willingness to actively contribute to NPN.

The envisaged lengths for the different types of contributions are roughly as follows: editorial - 1; laboratory portrait - 6; feature article - 4-5; conference report - 1-2; facilities & methods - 3-4; considerably longer contributions lead to delays in the publication.

In order to encourage advertisements, two special issues are planned for 1998 : Vol. 8 No. 2 should be dedicated to INPC'98, taking into account the centennial of the discovery of radioactivity ; the contents should be discussed by S. Galès and the chairman of INPC'98 , B. Frois. Additional copies will be available at INPC'98 ; a booth of NuPECC at the conference

should be considered. A similar initiative could be envisaged for APS Meetings. Vol. 8 No. 4 should feature Nuclear Physics in Japan.

NuPECC endorses the nomination of J. Äystö as Chairman of the Editorial Board.

## **5. Large Scale Facilities Concerted Action**

An article by J. Vervier on the Concerted Action was published in NPN 7.3. The contract was signed on October 1, 1997, and the first Round Table meeting was held on October 11 to 14, 1997, in Tenerife. The minutes of this meeting are included.

## **6. Resources in Nuclear Physics**

Two meetings were held in Orsay on June 23, 1997, and on August 29, 1997, attended by A. Shotton, A. van der Woude, H.-J. Körner and G.-E. Körner. The tables containing the numbers for personnel are included, and each NuPECC member should receive the numbers for his/her country. The matrix of facilities should be condensed, and the numbers be put into relation with other fields such as particle physics, condensed matter physics etc. as well as numbers on the population and the gross national product. How to proceed with this data base will be discussed at the next meeting.

## **7. Budget Report**

The budget report for 1997 as well as the proposal for 1998 are presented by H. Doubre. Copies of his transparencies are included.

## **8. NuPECC Report „Highlights and Opportunities“**

All reports of the Working Groups including the combined report on nuclear structure are ready.

The final version of the recommendations and of the chapter on the network of complementary facilities is endorsed; a copy is included.

H.-J. Körner has prepared a draft of the introduction, which has been discussed by the Editorial Committee and will be finalised by the end of November.

The Study Group on the options for second generation RIB facilities chaired by R. Siemssen has met on October 24, 1997, in Orsay. A copy of the minutes of that meeting is enclosed.

A copy of the report of the NuPECC Working Group on Computational Nuclear Physics, chaired by H. Leeb, is distributed at the meeting.

A meeting with representatives from funding agencies is envisaged in order to discuss the report and the implementation of the recommendations and to initiate more regular contacts if desired. Possible dates could be March 27 / 28, 1998 or April 3 / 4 1998. S. Galès will inquire unofficially about the interest of various representatives of funding agencies in such a meeting at the next meeting of the OECD Megascience Forum in Paris on November 20 / 21, 1997. The agenda will be discussed at the next NuPECC meeting.

## 9. Miscellaneous

- Summary of the ELFE Discussion at the DESY Scientific Council (B. Wiik)

After the discussions of ELFE in the DESY Scientific Council, the next step will be a report on the technical design, the costs and the schedule for ELFE and possible detectors. This report should be ready by 2000, and will be fully included in the TESLA proposal, not only be an appendix. This project should be seen in context with a possible CEBAF upgrade, and the support has to come from the community. If a decision is taken by 2001/2002, the project could work in 2008.

- Common Spin-Off Study Group with ECFA

The proposed members of this group are F. Bourgeois (CERN), S. Centro ( INFN Padova), H. Doubre (CSNSM Orsay), S. Holmgren (Chairman, Univ. Stockholm), Th. Tschentscher (Hasylab DESY) and P. David (Dept. Of Economics, Oxford and Stanford). The group should prepare an in-depth document about the social and economic impact of nuclear and particle physics, one example being the WorldWideWeb. More input from Nuclear physics, e.g.GSI, Ganil, is desirable.

- Public Understanding of Nuclear Physics

As discussed at the last meeting, A. Shotter will elaborated a proposal, analysing means and target. Copies of his transparencies are included. As a first step, S. Galès will ask A. van der Woude to inquire about efforts being made already, e.g. by the big laboratories, in terms of manpower and resources.

- NuPECC Representatives at EPS/NPB Meeting Nov 29 at GSI

S. Galès will be accompanied by H. Leeb to discuss common issues.

## 10. Next Meeting

The next meeting will take place on February 27 and 28, 1998, in Roma.

Munich, December 4, 1997



(Gabriele-Elisabeth Körner)