

# Minutes

of the Thirty-First Meeting of the Nuclear Physics European Collaboration Committee

(NuPECC)

held on February 27 / 28, 1998, in Roma

Participants:

- J. Äystö
- T. Døssing
- H. Doubre
- J. Durell
- A. Fonseca
- S. Galès (Chairman)
- M. Harakeh
- J. Jastrzebski
- H. Karow (ESF)
- G.-E. Körner (Scientific Secretary)
- H. Leeb
- G. Løvhøiden
- J. Martino
- G. van Middelkoop
- E. Migneco
- E. Moya de Guerra
- W. von Oertzen (EPS)
- G. Ricco
- B. Schoch
- A. Shotter
- I. Sick
- Ö. Skeppstedt
- H.J. Specht
- A. Winther (ECT\*)

E. Fernández (ECFA), M. Huysse and A. Wagner could not attend.

## Agenda

- 1.) Minutes of the Last Meeting
- 2.) Report of the Chairman
- 3.) ECT\* (S. Galès)
- 4.) Nuclear Physics News International (J. Äystö)
- 5.) Public Understanding of Nuclear Physics and Relation with EPS/NPB (A. Shotter, W. von Oertzen)
- 6.) Resources in Nuclear Physics (A. Shotter)
- 7.) Status of NuPECC Study Groups on RIB and Large Scale Computing (J. Äystö, H. Leeb)
- 8.) Preparation of Meeting with Funding Agencies (S. Galès)
- 9.) Miscellaneous
  - Treasurer
  - Spin-Off Study Group
  - Dubna
  - AUSTRON
  - ELFE@DESY
  - Handbook
  - Travel Expenses for NuPECC Meetings
- 10.) Next meeting(s)

## 1. Minutes of the last meeting

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

## 2. Report of the chairman

- S. Galès welcomes the new members J. Durell (University of Manchester), G. Løvhøiden (University of Oslo) and H.J. Specht (GSI Darmstadt) as well as A. Winther, Director of ECT\*. J. Äystö has been appointed for another term of three years; J. Vervier has been replaced by M. Huyse (Leuven).

- Right after the NuPECC meeting in Hamburg on November 7/8, 1997, the Editorial Committee for the NuPECC Report met in order to take care of the final version of the chapters „Introduction“, „Recommendations“ and „Network of Complementary Facilities“. Copies of the chapters have been sent to all NuPECC members. After writing the „Preamble“, the report was ready by mid-December and given to the printer. Proofs were available by mid-January, and by the end of February, the report has been mailed to 3000 colleagues and institutions. S. Galès thanks Hans-Joachim Körner and the Editorial Committee for their work.

An advanced copy of the report has been sent to 130 persons (NuPECC, conveners, liaison persons, laboratory directors, funding agencies). S. Galès has sent a letter of invitation to the heads of funding agencies and institutions which belong to NuPECC for a meeting between NuPECC and representatives from funding agencies. A copy of the letter is enclosed. The overall response was highly positive; the meeting will be held on March 28, 1998, at Château de Maffliers near the Charles de Gaulle Airport in Roissy. A list of the representatives who will attend the meeting is enclosed. The agenda and the NuPECC delegation for this meeting will be discussed under point 8 of the agenda.

- S. Galès participated to two meetings of the Board of Directors of ECT\* in Trento, on November 29, 1997, and February 15, 1998. Details will be discussed by A. Winther under point 3 of the agenda.

- S. Galès also participated in the meeting of the OECD Megascience Forum working group on nuclear physics on November 21, 1997, in Paris, and in the meeting of the Nuclear Physics Board of the EPS on November 22, 1997, at GSI Darmstadt, together with H. Leeb. Conclusions on common actions between NuPECC and EPS/NPB will be discussed under points 5 and 6 of the agenda, participation of EPS/NPB in the financing of Nuclear Physics News under point 3.

- S. Galès presented the outcome of the report at the Science Policy Council of CERN on December 16, 1997, and participated to the meeting of the NuPECC Working Group on radioactive Beam Facilities on December 18, 1997, at GSI Darmstadt. This will be discussed under point 7 of the agenda.

### 3. ECT\*

A. Winther, the new Director of ECT\*, reports on the outcome of the last meetings of the ECT\* Board of Directors. A. Richter has been appointed as the new chairman. The other members are G. Fiorentini, W. Hillebrandt, R. Malfliet, L. McLerran, B. Mottelson and D. Vautherin with Fiorentini and Richter stepping down at the end of 1998.

Responding to the review of ECT\* which was highly positive with respect to the workshops being organised at Trento, but critical with respect to the scientific environment at the centre, ECT\* proposes an increased budget which includes funds for visiting scientists and post-docs. Funding Agencies in Germany, France and Italy were approached, and BMBF, IN2P3 and INFN agreed to cover half of the budget increase, i.e. 650 MLire, the other half being covered jointly by smaller states. ECT\* will therefore approach its smaller member countries and ask for a contribution of 60 MLire.

An open problem still is the formal way of how the money is transferred to ECT\*. This should be discussed and solved in direct discussions between A. Winther, S. Galès and H. Karow.

### 4. Nuclear Physics News International

J. Durell is appointed as the third NuPECC member to the Editorial Board.

Financial support from EPS/NPB is under continuous discussion and will be further pursued by W. von Oertzen and J. Durell who are members of the NPB.

The „special issue“ in connection with INPC'98 is well under way and will contain contributions on the Curies, the implications of fission, astrophysics, hadronisation and medical applications.

### 5. Public Understanding of Nuclear Physics and Relation with EPS/NPB

During the meeting of NPB/EPS on November 22, 1997, at GSI, it has been decided to carry out some common initiatives. J. Durell who is member of the two boards will serve as liaison between NuPECC and NPB/EPS. It has been agreed upon that forces should be joined in order to build up a policy towards the public understanding of nuclear physics. A small committee has been formed, consisting of A. van der Woude, J. Deutsch and A. Shotter. The committee has asked the NuPECC members to point out names of contact persons who are active in this field such as for example F. Close at CERN. The committee has collected this information and proposes to organise a workshop at Louvain-la-Neuve on April 24 and 15, 1998, in order to gather the experts on a European scale and to discuss possible strategies. Copies of A. Shotter's transparencies are included. NuPECC supports this workshop „PANS“ (Public Awareness of Nuclear Science) and allocates 30 kFF for its organisation. All NuPECC members who are interested are invited to participate.

### 6. Resources in Nuclear Physics

Tables with preliminary numbers have been circulated. A. Shotter and G.-E. Körner will agree on a final version and send it to all NuPECC members in order to get their final comments. A working

group consisting of A. Shotter, A. Fonseca, J. Martino, W. Migneco and W. von Oertzen will then elaborate a report with a few pages of reference for the tables and numbers put into perspective to the gross national product and the research budget of the various countries. W. von Oertzen proposes to produce a map of Europe showing the broad basis of groups at universities and small facilities working in nuclear physics.

## **7. Status of NuPECC Study Groups on RIB and Large Scale Computing**

The NuPECC Study Group on Radioactive Beam Facilities has met on October 24, 1997, at Orsay, and on December 18, 1997, at GSI; the minutes of the first meeting have been distributed, those of the second meeting are enclosed. J. Äystö reports on the progress of the work; copies of his transparencies are enclosed. The next meeting of the Study Group will be held on March 12 and 13, 1998, at CERN.

The next meeting of the Study Group on Large Scale Computing will only take place during the week of March 16 - 20, 1998, in connection with the Spring Meeting of the German, Dutch and Belgian Physical Societies.

## **8. Preparation of Meeting with Funding Agencies**

A meeting with representatives of European funding agencies will be held on March 28, 1998, at Château de Maffliers near Paris, from 10:00 h to 17:00 h. A copy of the agenda and the list of participants is enclosed. NuPECC will give a presentation of the report pointing out that nuclear physics in Europe is focusing on a few burning issues, putting the competition and connections in a world context, discussing the financial support for ECT\* and how it can be substantiated and trying to find a mechanism for regular consultations between NuPECC and the funding agencies

## **9. Miscellaneous**

### *- NuPECC Treasurer*

H. Doubre will be replaced by D. Guerreau. S. Galès thanks H. Doubre for his work for NuPECC. For practical reasons, he proposes to nominate a French member again. So NuPECC appoints J. Martino as Treasurer.

### *- Common Spin-Off Study Group with ECFA*

The Spin-off Study Group of NuPECC and ECFA where H. Doubre represents NuPECC has started its work already. For continuation it is agreed upon that H. Doubre remains NuPECC's representative.

### *- Dubna*

It has been agreed upon between NuPECC and ESF that a representative from Dubna can be invited to participate to NuPECC meetings where relevant matters are being discussed. An according letter by S. Galès and H. Karow has been sent to Dubna; a copy of the letter has been distributed.

- *AUSTRON*

H. Leeb reports on the status of AUSTRON., which has undergone a review by ESF. It has been pointed out that the physics case was not convincing. So a study group has been formed headed by H. Rauch which should produce a report by September 1998. Emphasis should be put on the unique instrumentation on a fast spallation source, the specific value of a pulsed source and its complementarity to the new research reactor FRM II in München.

- *ELFE@DESY*

At its last meeting, the Scientific Council of DESY recommended that ELFE be included in the TESLA project as an integral part and not only an appendix. A detailed technical proposal including costs and time scales should be elaborated for the next meeting. A copy of the minutes of that meeting has been distributed. The project has to be seen in connection with the proposed upgrade of CEBAF to 12 GeV (within 5 years) and in a second stage to 25 GeV (by about 2015)

- *NuPECC Handbook*

The envisaged update of the Handbook is currently under preparation.

- *Travel Expenses for NuPECC Meetings*

Several members of NuPECC express their opposition against the request of one of the ESF Member Organisations to include the travel expenses for the meetings into the NuPECC budget. It is felt that this is too complicated administratively, the centralisation and redistribution of resources should not be increased in this way and it is unfavourable because it prevents the use of third sources.

## 10. Next Meetings

The next meetings will take place on August 21 and 22, 1998, in Groningen, and on November 6 and 7, 1998, at GANIL.

München, March 29, 1998

The image shows a handwritten signature in black ink. The signature is stylized and appears to be 'G. Körner'. It consists of a large, rounded 'G' followed by 'Körner' written in a cursive-like style. A long horizontal line extends from the end of the signature to the right.

(Gabriele-Elisabeth Körner)