

# Minutes

of the seventh Meeting of the Nuclear Physics European Collaboration Committee  
(NuPECC)

held on June 8 and 9, 1990 at Louvain-la-Neuve

Participants:

R. Bergere  
R. Bock (for EPS/NPB)  
C. Detraz (chairman)  
A. Fonseca  
W. Gelletly  
M. Huber  
B. Jonson  
P. Kienle  
M. Mahnig (ESF)  
E. Moya de Guerra  
E. Otten  
A. Pakkanen  
G. Pappalardo  
P. Picozza  
R. Seltz  
I. Sick  
P. Twin  
J. Vervier (local chairman)  
A. van der Woude  
P. de Witt Huberts  
G.-E. Körner (scientific secretary)

The minutes of the sixth meeting were approved without changes.  
The agenda as proposed by C. Detraz (letter from Mai 21, 1990) was:

- 1.) The setting of NuPECC as an Associated Committee of the European Science Foundation
- 2.) Meeting with representatives of DG XII of the CEC (Commission of the European Community)
- 3.) Organisation of the workshop on long-range perspectives
- 4.) Miscellaneous
  - the NuPECC Handbook
  - computer network
  - proposal of a center for theoretical nuclear physics
  - project of European research conferences

## 1.) **Associated Committee of ESF**

M. Mahnig reports on the decision of the ESF Board to establish an Associated Committee for Nuclear Physics NuPECC.

The Board's proposal has to be approved by the Executive Council (September 1989) and consequently by the Assembly (November 1989).

The members of NuPECC have to be nominated or confirmed by the ESF member agencies according to the Terms of Reference.

The final, mutually accepted version of the Terms of Reference is enclosed.

The budget for 1991 was discussed and the following decisions were agreed on:

- As for 1990, the budget 1991 is based on a contribution of 4000 ECU per member. This fits into the ESF "a la carte" financing and reflects the representation of the various countries in the committee.
  
- Travel expenses are not included in the budget, since the administrative procedures would be difficult due to different rules in the member countries and since losses in exchange rates should be avoided.

The Budget Proposal for 1991 is enclosed.

C. Detraz reports on the three current major projects of NuPECC and their status.

### a.) The NuPECC Handbook:

All the material is with the printers and a proof copy is available for immediate corrections. In July, 3000 copies will be printed and sent out according to the NuPECC mailing list being established by the Scientific Secretary.

### b.) Nuclear Physics News:

Yu. Oganessian has been appointed by EPS as the eighth member of the Editorial Board. A list of all the members is enclosed.

The contract with Gordon & Breach is nearly ready to be signed. M. Mahnig will look into the problem if ESF can sign it.

Further details will be discussed at the meeting of the Editorial Board on July 9, 1990.

The first issue of Nuclear Physics News is envisaged to come out in September. All contributors to this first issue have been asked to submit their articles by June 15.

c.) Workshop on Long Range Perspectives

NuPECC intends to prepare a report on Long Range Perspectives of Nuclear Physics in Europe. The main input to this report should come from a workshop to be held beginning of next year. Details can be found under point 3 of these minutes.

M. Mahnig mentions the possibility that ESF could give financial support for the organisation of such a workshop.

**2.) Meeting with representatives of DG XII of the CEC (Commission of the European Community)**

The Working Group on Access to European Facilities chaired by P. Twin has met in the morning of June 8 and elaborated the following propositions to be presented to the representative of the CEC:

- a) - Ion sources for heavy ions
  - Polarized sources and targets of electrons
  - Superconducting cavities for electrons
  
- b) Common equipment:
  - EUROBALL
  - TAPS
  - Nordball.....
  
- c) European centre for theoretical nuclear physics
  
- d) Applications:
  - Deep ion implantation
  - R & D of ion sources, accelerators

These points were agreed upon to be presented as examples to M. Malacarne (CEC, DG XII). The Working Group is asked to prepare a paper after the input of the community. NuPECC should then take on responsibilities and agree on priorities.

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In the presence of M. Malacarne and W. Menzel (CEC, DG XII). C. Detraz reports about the formation of NuPECC and its objectives as well as on the three current projects (see point 1.) of these minutes) and raises the question how the activities of NuPECC could fit into the programs of the EC.

M. Malacarne comments on various programs of the EC, stating that a new framework program in research and technical development has been decided by the Council of the EC.

Relevant documents are enclosed. For other fields, the EC has established panels with one participant per EC member country, which meet 3-4 times per year in Bruxelles to discuss long range perspectives in their respective field (see their terms of reference in the subsequent letter sent by M. Malacarne to C. Detraz (enclosed)). This has not been done for nuclear physics, since a similar body with this very objective, namely NuPECC, existed already. NuPECC works already along the lines required by the EC, namely a) state the facts (NuPECC Handbook) b) discuss the future (Workshop on Long Range Perspectives) c) prove that the help of the EC is needed.

It is agreed that further contacts between NuPECC and the CEC will allow NuPECC to fully play its advisory role with the EC. Concretely the Working Group on Access to European Facilities will prepare a document on planned cooperative R&D developments that could benefit from the help of the CEC.

### **3. Workshop on Long Range Perspectives**

One of the main problems concerned with the workshop is the question how to involve as broad a community as possible. To achieve this, the following scheme is envisaged: For each of the five subfields of Nuclear Physics, five to six experts are nominated, out of those one convener. These preparatory groups should collect the input from the relevant community and elaborate a report for the workshop. The groups are the following:

#### Structure of Nuclei:

Broglia (Italy), B. Haas (France), Hansen (Denmark, convener), Harakeh (Netherlands), Schwalm (Germany), Sharpey-Schafer (United Kingdom)

#### Hadronic Physics with Electrons:

Ciofi (Italy), Deutsch (Belgium), Mathiot (France), Mulders (Netherlands), Scheck (Germany), Walcher (Germany, convener)

Physics with High-Energy Hadron Beams:

Bressani (Italy), Kilian (Germany), Richard (France, convener), Vento (Spain), Weise (Germany)

Quark Gluon Plasma:

Cugnon (Belgium), Guaraldo (Italy, convener), Ruuskanen (Finland), Stock (Germany), Vautherin (France)

Properties of Nuclear Matter:

Barranco (Spain), Harar (France), Malfliet (Netherlands), Migneco (Italy), Metag (Germany, convener), Stoecker (Germany).

The Chairman will write appropriate letters to the group members. When they have agreed, their names will be published in Nuclear Physics News.

To allow enough time for this procedure the date of the workshop has to be postponed to the beginning of 1991. Two locations are offered:

a hotel on the North Sea (de Witt Huberts) and a castle in Wales (Gelletly). The conveners will be asked to provide status reports for the next NuPECC meeting. These and further details of the workshop will have to be discussed and decided upon there.

As a basis to start with, the Scientific Secretary and I. Sick are asked to prepare a summary of existing Long Range Plans for this meeting.

#### **4.a) The NuPECC Handbook**

The status of the NuPECC Handbook is already described in point 1) of these minutes.

#### **4.b) Computer Network**

Each NuPECC member is reminded to try to connect to the computer network.

#### **4.c) A Centre for Theoretical Nuclear Physics in Europe**

NuPECC received a letter from C. Gaarde, B. Mottelson and A. Winter of the Niels Bohr Institute outlining a proposal that the European Community establishes

a Centre for Theoretical Nuclear Physics. This could be based for an initial period at the Niels Bohr Institute. This is clearly an important initiative for Nuclear Physics and should be fully debated. It will be discussed by NuPECC in the context of its Long Range Perspectives for Nuclear Physics in Europe. C. Gaarde is asked to convey to the promoters that this initiative is appreciated positively by NuPECC and that a more advanced proposal should be discussed within the community of European nuclear theorists.

The questionnaire on Theoretical Nuclear Physics, which is ready to be sent out, will be changed in a way to add a question with respect to this proposal.

R. Seltz and M. Huber are asked to provide the missing lists of group leaders in Theoretical Nuclear Physics for France and Germany, respectively.

The questionnaire will then be distributed by the Scientific Secretary.

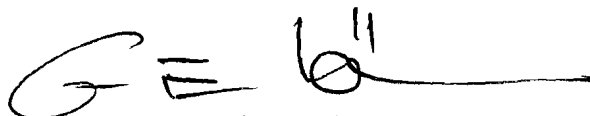
#### **4.d) Project of European Research Conferences**

NuPECC welcomes the idea of ESF and EPS to jointly organize "Gordon"-like European research conferences.

#### **4.e) Next Meeting**

The next meeting of NuPECC will take place on **October 6, 1990**, 10:30 h, at IN2P3, Paris.

Garching, August 3, 1990



Gabriele-Elisabeth Körner

- encl.: - Terms of Reference of NuPECC
- budget proposal for 1991
  - members of the Editorial Board of Nuclear Physics News
  - letter of M. Malacarne to C. Detraz (12.06.1990)
  - other documents from the CEC
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