

Minutes
of the Third Meeting of the
Nuclear Physics European Collaboration Committee (NUPECC)

held on 6th and 7th April, 1989,
at Daresbury Laboratory.

Participants :

- C. Detraz
- J. Vervier
- P. Kienle
- I. Sick
- E. Moya de Guerra
- R. Seltz
- E. Otten
- W. Gelletly
- R. Bock
- R.A. Ricci
- C. Gaarde
- G. Pappalardo
- R. Bergere
- A. Van der Woude
- B. Jonson
- P. de Witt Huberts
- P.J. Twin (Acting Chairman)
- A. Pakkanen
- J.S. Lilley (Local Secretary)

Agenda

1. Introduction and apologies.
2. Notes of previous meeting.
3. Chairman's correspondence and report.
4. Relations with EPS, ESF, EEC.
5. Network of European Facilities.
6. NuPECC News : discussion of proposals.
7. Nuclear Physics Bulletin Board : discussion of proposals.
8. Possibility for a European Conference of Nuclear Physics in Strasbourg (early 1990).
9. Organization of a permanent secretariat : discussion of proposals.
10. Release of a public statement on the existence of NuPECC.

11. Budget.
12. Visit to Portugal by I. Sick and W. Gelletly.
13. Resume of action points.
14. Agenda items for next meeting.
15. Date and venue for next meeting.

1. Introduction and apologies

P.J. Twin, local host and acting chairman, opened the meeting at 14.00 hours. He welcomed the members present and Professor Ricci and Professor Bock, who were attending as observers from the EPS.

Apologies were received from P.G. Picozza, A.C. Fonseca and M. Huber.

2. Notes of the Previous Meeting

These were accepted, unchanged, with thanks to P. de Witt Huberts (acting chairman) and C.W. de Jager (local secretary) and to the staff of NIKHEF where the meeting was held.

3. Chairman's Correspondence and Report

Meeting documents were distributed and an address list of members circulated for updating.

Of the three proposed logos for NuPECC a large majority (16) favoured no.1, and no-one wished to begin the procedure again. On the basis of this response, Logo no.1 was accepted and already appears on some of the committee papers and stationery.

Spain and Portugal have voted to be members of NuPECC and letters have been sent to them. Unfortunately, lack of funds prevented Fonseca attending this meeting.

NuPECC has been endorsed by CSIC and INIC(?). Endorsements also have been received from Sweden and Italy. An affirmative letter is expected soon from Belgium, and a written endorsement from the U.K. is to come from the S.E.R.C.

4. Relations with EPS, ESF, EEC

 EPS : There are several areas of overlap between NuPECC and the EPS and the need to establish a proper link was unanimously agreed. Detraz will write to the EPS to suggest that an exchange of observers at meetings be established.

ESF : The ESF is a body from which it is hoped general and financial support might be obtained. It also might be possible for NuPECC to function as a formal part of the ESF, for example, as a standing committee of the ESF. Contact already has

been made and an encouraging reply received from the ESF president, Professor E. Siebold. The Nuclear Physics Board of the ESF meets in June, and it was agreed that more informal contacts be made to board members prior to that meeting.

P. Kienle agreed to contact E. Siebold, P. de Witt Huberts and A. Van der Woude to contact R. Van Lieshout, B. Jonson to the Swedish representative, D. Magnusson, and R. Seltz to the executive secretary, M.V. Posner. These members should report back to Detraz as soon as any news is received.

EEC : J. Vervier passed out written information and presented a short report on EEC programmes of potential interest to NuPECC. Funds for proposals are given to institutions and NuPECC at least could act as a catalyst to generate proposals from its associated institutions. In addition, it might be possible for NuPECC to apply directly to the EEC with a well-defined programme of its own requiring operating and travel funds. This possibility should be pursued further when NuPECC has a secretariat in post to assist in preparing the application.

CERN : The possibility of a link with CERN was discussed briefly. There was a general consensus that NuPECC needs more time to establish itself. Therefore, further action in establishing a CERN connection is to be deferred until the other contacts have been properly explored.

5. Network of European Facilities

P.J. Twin opened the discussion on his paper covering this topic, seeking to define what is meant by a European facility and the objectives that the setting up of such a network would try to accomplish.

NuPECC's aims, as presently envisaged, are :

- (1) To establish and maintain a catalogue listing and describing facilities in Europe which can be accessed by outside groups.
- (2) To act as facilitator and disseminator of information to prospective foreign users of a European facility.
- (3) To work to ensure that European facilities exist to cover all fields of nuclear physics research, and are open to users from foreign countries.

NuPECC should try to attain a position from which it can advise and influence policy decisions on nuclear physics facilities. More immediately, information on existing facilities should be compiled, and a drafting committee consisting of C. Detraz, P.J. Twin and P. de Witt Huberts was set up to prepare a questionnaire which would be sent to laboratories in order to obtain the relevant information. It is hoped to have this process completed by the end of summer.

A possible questionnaire format was outlined and discussed briefly. It should be in a form to encourage collaboration.

A preamble, accompanying the questionnaire would set out the aims of NuPECC and explain why the information is being sought. A responding institution would be given an opportunity to edit the material used from its reply.

Information would be sought under general headings, such as :

1. Descriptive
 - major fields of research being studied
 - accelerator and major instrumentation
 - available beam species
2. Operation
 - hours of beam on target/year
 - ease of changing energy/ion species
3. Programme Advisory Committee
 - membership and operation
 - consideration of foreign users
 - how to apply for access
 - local contact
4. Support facilities for foreign users
 - administrative
 - technical
5. Current international collaborations
6. Future development
 - accelerators
 - instrumentation
7. Other relevant information

Eventually it may be appropriate to obtain the views of foreign users about their experience.

NuPECC also will be interested in international collaborations in nuclear theory. A small group, consisting of P. de Witt Huberts (chairman), C. Gaarde and E. Moya de Guerra, is to prepare a short report on this subject for the next meeting.

6. NuPECC News

Details of the establishment of a newsletter, its content and community were given in the previous minutes.

Since the last meeting, contact has been made with Gordon Breach, the publisher, of Synchrotron Radiation News. A start could be made on NuPECC news this year. Seed money of about \$10K would be required. The remaining funding would be found from advertising. NuPECC would act as Editorial Board and should appoint an editor. W. Gelletly reported that the Institute of Physics also are interested as a potential publisher and have asked for more information.

It was agreed to go ahead with the venture, and a small group was set up to consider prospective editorial candidates and publishers. This group consists of A Van der Woude (Chairman), G Pappalardo, W Gelletly and C Detraz (ex-officio). Names of some potential editors were discussed briefly. Members should pass on names of candidates for editor and information about publishers to the working group, whose aim is to decide on both by early June. It is important to establish the source(s) for the \$10K subsidy for the first year. (See later under Budget.)

7. Nuclear Physics Bulletin Board : discussion of proposals

The proposal for a Network Notice Board using the HEPNET system is described in the paper prepared by J.M. Sviga and distributed to all members. Although all countries are not well served by HEPNET, it was agreed that Detraz should arrange to set up a pilot system and for members to give feedback on their experience using it. Other systems based on DECNET and BITNET also should be investigated to examine whether they represent possible alternatives.

8. European Conference on Nuclear Physics at Strasbourg

Seltz reported on the preparations for this conference which is to be held at the end of March 1990. He was willing to expand the number of physical societies involved and, given the appropriate feedback from the committee, would advertise accordingly.

At present, it is not appropriate for NuPECC to be part of a conference organization. In its role as facilitator of European co-operation, NuPECC encourages joint conferences and wishes to express the view that other national physical societies not hold their own meetings at this time. It also expressed its appreciation that Strasbourg is now planning a broader collaborative conference.

9. Organization of a Permanent Secretariat

It was reaffirmed that NuPECC needs a permanent secretariat, and there was some discussion of a prospective candidate: Dr. E. Rahtke. The secretary would necessarily be an employee at an institute in one of the member countries. The job would be determined and directed by NuPECC, which also would be responsible for financial support.

A job profile is to be prepared by P.J. Twin for the Executive Bureau (C. Detraz, P. de Witt Huberts, P.J. Twin, G. Pappalardo). This would be sent to all members who would feed back names of other possible candidates for consideration. In order to try to make an appointment by 1st June, the job profile should be prepared and circulated within two weeks, all candidates approached and a list confirmed two weeks later, and the decision made within the next two weeks.

10. Public Statement

This is to be a statement for general circulation, announcing NuPECC and giving information about its nature and purpose. It should include a list of members, the objectives of NuPECC and brief data on NuPECC's current activities.

It should be prepared when the secretary is in post, before Summer and after the June meeting of the ESF board. The meeting decided the following list of journals to which the statement should be submitted for publication:

Europhysics News
 CERN Courier
 Physics Today
 New Scientist
 La Recherche
 Nature
 Science
 Bild der Wissenschaften
 Physikalische Blätter
 Physicalia Magazin (Belgian Physical Society)
 Tydschrift van Natuurkunde - B (Netherlands).

11. Budget

Even though it is hoped that NuPECC will gain long-term permanent funding, there is a need for temporary funds for the next 1-2 years. A budget of \$20K was drawn up for the remainder of this year, including \$10K for NuPECC news, \$5K for a secretary and \$5K for incidental travel.

It was decided that each member should approach his/her own funding agency for a fund (~\$3K) to cover a possible two-year temporary period. A formal letter from the chairman of NuPECC giving information about the committee and its aims, will be circulated to members for them to include with their funding requests.

12. Visit to Portugal by I. Sick and W. Gelletly

I. Sick and W. Gelletly reported briefly on their discussions with scientists during their recent visit to Lisboa and Coimbra in Portugal. There is no established experimental group working in basic nuclear research. The main nuclear facility is a 2MV Van de Graaff with angular correlation equipment. However, this is used for solid-state physics studies. It was recommended that the Portuguese nuclear physicists consider using existing European facilities and seek funding from the EEC SCIENCE programme to help them establish a group and provide funds to enable them to carry out research. It was felt that a group consisting of a senior researcher plus a research associate and students would be able to embark on such an enterprise.

The theoretical community in Portugal is relatively strong and has established links with other European countries. It could help significantly in creating an experimental group. It is important to identify a suitable scientist to lead the experimental group and members should pass to I. Sick or W. Gelletly names of possible candidates who might be approached for this position.

13. Resume of action points for next meeting

	<u>ACTION</u>
1. Detraz to send proposal to EPS for exchange of observers.	CD
2. Informal contacts to ESF board members before June meeting. Information to Detraz.	PK AVdW PdWH BJ RS

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| 3. | Small committee to proceed with actions to select an editor and publisher of NuPECC News. | AVdW GP
WG CD |
| 4. | Bulletin Board feasibility system to be set up by Detraz and tested. | CD
Member-
ship
CD |
| 5. | Note describing NuPECC to be prepared for inclusion with members requests to agencies for funds. | |
| 6. | Secretariat job profile to be prepared, list of candidates compiled and aim to make selection by 1st June. | PJT
Bureau |
| 7. | Prepare questionnaire and send to laboratories and institutions. | PJT CD |
| 8. | Copies of NuPECC endorsements to be sent to membership. | CD |
| 9. | NuPECC announcement statement to be prepared by secretariat and sent to list of journals/magazines. | Bureau |
| 10. | Prepare short paper on significant international theoretical collaborations. | PdWH
CG
EMdG |
| 14. | <u>Items for next agenda</u> | |
| 1. | Report of Executive Bureau.
Selection of Secretary.
Selection of Editor.
Statement of NuPECC. | |
| 2. | Network : Questionnaire analysis. | |
| 3. | NuPECC News. | |
| 4. | Status of NuPECC
- 1990 budget
- 1990 Strasbourg meeting
- Bulletin board
- New activities | |
| 5. | Link to EPS. | |
| 15. | <u>Next meeting</u>
16th September at Catania, Italy. | |

The meeting was closed by P.J. Twin.