

Minutes

of the Twenty-Fifth Meeting of the Nuclear Physics European Collaboration Committee (NuPECC)

held on March 30/31, 1996, in Trento

Participants:

J. Äystö
R. Bock (for EPS)
H. Doubre
A. Fonseca
S. Galès (Chairman)
P. Guichon
H. Karow (for ESF)
P. Kienle
G.-E. Körner (Scientific Secretary)
L. Mandelli (for ECFA)
R. Malfliet
E. Migneco
G. Morrison
G. Ricco
B. Schoch
D. Schwalm
A. Shotter
I. Sick
Ö. Skeppstedt
J. Vervier
P. de Witt Huberts

W. Breunlich, C. Gaarde, E. Moya de Guerra and E. Osnes could not attend.

Agenda

- 1.) Welcome (D. Brink)
- 2.) Minutes of the last meeting
- 3.) Report of the Chairman
- 4.) ESF Review (H. Karow)
- 5.) ECT*
- 6.) Nuclear Physics News (G. Morrison)
- 7.) CERN Courier
- 8.) Resources in Nuclear Physics (S. Galès)
- 9.) NuPECC Handbook
- 10.) Nuclear Physics Brochure
- 11.) ECFA Meetings 1996
- 12.) List of Complementary Facilities (P. Kienle)
- 13.) ICNP (B. Frois)
- 14.) Report „Opportunities and Perspectives 1996“
 - Discussion with Conveners
- 15.) ELFE
 - Meeting of the ELFE Initiative Group at DESY (P. Kienle)
 - NuPECC meets the community (S. Galès, B. Schoch)
 - Workshop of the ELFE Initiative Group April 1 and 2
- 16.) EPS - NuPECC Relations
- 17.) Miscellaneous
- 18.) Next meeting(s)

1. Welcome

D. Brink, the Vice-Director of ECT*, welcomes NuPECC at Trento. He emphasises the importance for ECT* to be imbedded into a European framework.

2. Minutes of the last meeting

The minutes of the twenty-fourth meeting are agreed upon without changes.

3. Report of the chairman

S. Galès welcomes A. Shotter from Edinburgh and Ö. Skeppstedt from Göteborg as new members.

Related to various points on the agenda, several colleagues have been invited to report and discuss with NuPECC Members:

- B. Frois (see point 12)
- G. Bellini, B. Frois, A.C. Mueller, J. Schukraft, G. Sletten, J. Stachel, F. Thielemann (see point 13)
- R.A. Ricci (see point 16)
- B. Frois, D. von Harrach, P. Hoyer, G. van Middelkoop, E. de Sanctis, Th. Walcher, W. Weise (see point 15).

S. Galès and G.-E. Körner discussed with P. Fricker, the Secretary General of ESF, and H. Karow at ESF in Strasbourg (see point 4).

S. Galès discussed the question of the resources of nuclear physics in Europe with B. Remaud (see point 9).

In connection with the new report on „Highlights and Perspectives“, S. Galès visited GSI and discussed the future plans with H. Specht, V. Metag and D. von Harrach. H. Specht set up seven working groups to investigate various possibilities for the future development of GSI. A list of the topics and their conveners is included. It is pointed out that co-ordination and an exchange of information is desirable.

On the occasion of the „Community Meeting“ on February 23, 1996, S. Galès visited ECT* and discussed with B. Mottelson, D. Brink and R. Leonardi about a possible association of ECT* to ESF/NuPECC (see point 5).

4. ESF

H. Karow reports from the ESF General Assembly:

„At the end of last year, the General Assembly of the ESF noted and agreed to the reviewing action, intended by the Executive Council, of the ESF Associated Committees whose terms were ending in 1995 or 96. (Such reviews are regularly foreseen, according to the terms of reference of the Associated Committees.) Particular emphasis for the future may be given to the question of interaction or feed-back between those Committees on the one hand and the Foundation and its Standing Committees on the other.

Concerning NuPECC, the General Assembly acknowledged that under the term and chairmanship of Professor Paul Kienle, the Committee acted with substantial effectiveness in promoting nuclear science through European collaboration, both within its own field and in relation to other scientific areas. The Assembly expressed its appreciation to the parting Chairman, and appointed, pro

tempore (underlining means: in italics) until completion and approval of the NuPECC review, the new Committee Chairman, Professor Sydney Gales, for the next term, 1996-1998.“

The review panel for NuPECC is now complete and consists of J.P. Desclaux, N. Kroo, G. Oquist and H. Rauch. It is agreed upon that this panel should not only discuss with the past and present chairman but also two additional members of NuPECC. For this task, G. Morrison and I. Sick are appointed. The review is considered as a good occasion to strengthen the links between NuPECC and PESC, the ESF Standing Committee on Physical and Engineering Sciences. An information brochure on ESF is included.

In the discussion of S. Galès and G.-E. Körner with P. Fricker and H. Karow at ESF on February 18, 1996, P. Fricker expressed his good opinion on the work of NuPECC already accomplished. With respect to the application of ECT* to ESF for association, it came out clearly that it is not desirable to have two associates of nuclear physics at ESF, but an association via NuPECC should be feasible (see also point 5).

5. ECT*

At the „Community Meeting“ on February 23, 1996, the performance of ECT* was extensively discussed. A copy of the summary of that meeting by R. Leonardi is enclosed. In order to be placed in a European framework, ECT* has applied to the ESF to become an associated committee. It is agreed that it is not useful for nuclear physics to have two committees, so a solution has to be found within the framework of NuPECC and its terms of reference. During the discussion a possible recognition of ECT* directly by European nuclear physics funding agencies and institutions is also put forward. R. Malfliet, P. Kienle, A. Fonseca and E. Migneco agree to form a subgroup to discuss the possibilities with ESF and ECT*. It is foreseen that a workable solution will be presented at the next meeting.

6. Nuclear Physics News

The contract with Gordon & Breach is due for renewal in September. I. Mellanby informed the Editorial Board that the real costs are about \$ 12000 per issue. This will be further discussed at the meeting of the Editorial Board on March 31, 1996.

The request by J. Vervier to publish the call for proposal of Louvain-la-Neuve is seen as an opportunity to sell advertising space.

7. CERN Courier

A copy of the contribution in the December 1995 edition of the CERN Courier that has been published in response to a letter from P. Kienle has been sent to all NuPECC members.

8. Resources in Nuclear Physics

B. Remaud (Nantes) has agreed to carry out this work and has already secured the help of A. van der Woude and D. Hartwig. It is agreed upon that the numbers should be collected for information, but not made public for the time being. A. Shotter agrees to act as the NuPECC liaison member for this group.

9. NuPECC Handbook

A copy of the third edition of the NuPECC Handbook has been sent to nuclear physicists in Europe. Some copies will also be sent overseas; additional copies can be received from G.-E. Körner. All NuPECC Members are requested to bring errors or not up-to-date information that they find in the Handbook to the attention of G.-E. Körner for correction. In the future the directors of the described facilities will be asked explicitly to give the user number only for nuclear physics users.

10. Nuclear Physics Brochure

B. Jonson has contacted G. Morrison, W. Gelletly and A. van der Woude. They will have a first meeting at the North-West European conference in Amsterdam in April. GSI (K.D. Gross) and GANIL (D. Guerreau) have agreed to help in this project. Some money has been allocated in the 1996 budget.

11. ECFA Meetings 1996

The NuPECC Observers to the ECFA Meetings in 1996 will be J. Äystö on June 7 and P. de Witt Huberts on November 29.

12. List of Complementary Facilities

In the terms of reference of NuPECC it is explicitly defined that one of the tasks of NuPECC is „define a network of complementary facilities within Europe and encourage optimisation of their usage“.

In order to achieve this goal, P. Kienle has conceived a first draft pointing out that nuclear physics need small and big facilities to address the various aspects of this multifaceted field. Towards a network of complementary facilities, P. Kienle presents the various facilities in the framework of an inclusive appreciation. not an exclusive enumeration, pointing to their role in the different subfields as nuclear structure, hadronic matter, properties of hadrons, low energy fundamental interactions etc. It is felt that the importance of the field in total should be more emphasised and the complementarity be more clearly explained.

P. Kienle will send a revised draft to a subgroup, whose members are J. Äystö. S. Galès, E. Migneco, D. Schwalm and P. de Witt Huberts, get precise input from them, and then prepare a proposal to be discussed at the next meeting.

13. ICNP

B. Frois presents the ideas behind the creation of ICNP (International Committee of Nuclear Physics), which evolved as the successor of the ICHIA initiative of H. Feshbach, and was decided upon by IUPAP C12 at the International Nuclear Physics Conference in Beijing in August 1995. B. Frois was appointed as the first chairman of ICNP. A copy of his transparencies is included.

The NuPECC Representatives to ICNP are proposed to be S. Galès as Chairman as well as I. Sick and D. Schwalm. Since D. Schwalm wants to withdraw, a decision on the third members will have to be taken at a later point.

14. Report „Highlights and Perspectives“

Six of the seven conveners have agreed to carry out the task NuPECC has asked them, with the exception of C. Fahlander. S. Galès asked G. Sletten (Copenhagen) to convene the group „high spin and/or excitation“. The groups „hot and dense matter“ and „quark gluon plasma“ have been merged following a proposal of J. Stachel and J. Schukraft. All the conveners have set up their groups or are close to finalising their composition. It is understood that the way to proceed may be different for the different communities; so it is up to the conveners e.g. whether to have their town meeting in an early phase or at the end or both. It is also pointed out again that the groups are asked to produce a 10-20 pages document on the highlights, perspectives and priorities in their field.

At a common meeting of NuPECC and the conveners, the report will be finalised; the final responsibility for the recommendations and priorities lies entirely on NuPECC. The conveners should work in close contact with their liaison members and the Chairman of NuPECC. Information from the working groups should be made available in WorldWideWeb; a copy of the respective announcement in Nuclear Physics News is included. S. Galès will meet conveners and liaison members in May for further discussion.

15. ELFE

The ELFE@DESY Initiative Group, S. Galès and P. Kienle met with representatives of DESY on February 29, 1996. A copy of the summary of that meeting is included. The deadline for the conceptual Design Report for DESY of end 1996 puts quite serious time constraints on the ELFE@DESY project, too. A machine group led by D. Hussmann (Bonn) started to act immediately and will present a progress report at DESY on April 4 on the machine and in May on the detector requirements. The physics case will be presented to the DESY Scientific Council on May 21, 1996, in Zeuthen. Final discussions on the CDR should then take place at a workshop in St. Malo on September 23-27, 1996.

Following a proposal by B. Schoch, S. Galès invited distinguished representatives of the electromagnetic community to the NuPECC Meeting. B. Frois, P. Hoyer and Th. Walcher were able to attend. In addition to the ELFE project there are others ways to go ahead, namely an electron-ion collider at GSI at higher energy than ELFE, and the option to have ions in HERA, i.e. an extension of the HERMES programme, at even higher energies.

It is recommended that the ELFE@DESY Initiative Group presents the physics case to the DESY Scientific Council and prepares its CDR for the end of 1996. In the meantime, the other proposals will elaborate on their physics case and technical feasibility. The Working Group on „hadronic physics“ for the new report should try to integrate the various projects.

16. EPS

R.A. Ricci approached S. Galès with the wish to discuss common interests of NuPECC and the EPS Nuclear Physics Board. Copies of the respective letters are enclosed.

NuPECC and EPS/NPB should continue to exchange observers; those are G. Morrison and R. Bock, respectively, at the moment.

Concerning the improvement of the east-west relations, EPS has established a task force to get information on useful programmes of the EU. This should be done in common in order to speak with one voice for nuclear physics in Brussels. J. Vervier is a member of the task force and will pursue NuPECC's interests there.

R. A. Ricci will inquire the possibility to find funds to support the distribution of Nuclear Physics News in Eastern Europe.

For the symposium on perspectives in nuclear physics at the EPS General Conference in Sevilla on September 9-13, 1996, NuPECC proposes to have two more presentations instead of a round table discussion, and proposes again B. Schoch as speaker for electron physics. Within the frame of the new report it would be more useful to have such a symposium at the end of the process in one and a half years from now, where the results could be presented.

17. Miscellaneous

H. Karow has received a letter from the Polish nuclear physics community applying for membership in NuPECC. A copy of that letter is included. This should be no problem, since Poland is a member of the ESF. H. Karow will answer that letter in the sense that the Chairman of NuPECC should be addresses for further steps.

18. Next meeting

The next meeting will take place on June 15/16, 1996, in Edinburgh.

München, April 22, 1996

(Gabriele-Elisabeth Körner)