

Minutes

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

held on June 15/16, 1996, in Edinburgh

Participants:

- J. Äystö
- H. Doubre
- A. Fonseca
- S. Galès (Chairman)
- P. Guichon
- P. Kienle
- G.-E. Körner (Scientific Secretary)
- R. Malfliet
- G. Morrison
- E. Moya de Guerra
- G. Ricco
- B. Schoch
- D. Schwalm
- A. Shotter
- I. Sick
- J. Vervier
- N. Williams (EPSRC)

R. Bock (EPS), W. Breunlich, E. Fernández (ECFA), C. Gaarde, H. Karow (ESF), E. Migneco, E. Osnes, Ö. Skeppstedt and P. de Witt Huberts could not attend.

Agenda

- 1.) Minutes of the last meeting
- 2.) Report of the Chairman
- 3.) ESF Review
- 4.) ECT*
- 5.) ECFA Meeting Report
- 6.) Nuclear Physics News
- 7.) Review of Nuclear Physics in the UK and Resources in Nuclear Physics
- 8.) Nuclear Physics Brochure
- 9.) List of Complementary Facilities
- 10.) Meeting on Large Scale Facilities
- 11.) Report „Highlights and Perspectives“
 - Meetings Chairman-Conveners-Liaison Members (May 10 and 17 at Orsay, May 20 at Milano, May 24 at Heidelberg)
 - Final Meeting Early Spring 1997
- 12.) ELFE@DESY
 - Trento Workshop April 1 and 2
 - DESY Scientific Council May 21
- 13.) Miscellaneous
- 14.) Next meeting(s)

1. Minutes of the last meeting

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

2. Report of the chairman

S. Galès welcomes Neil Williams from the Engineering and Physical Sciences Research Council.

In addition to the minutes of the last meeting, the following documents relevant for various items of the agenda have been sent out to all NuPECC members or are distributed at the meeting:

- the „Review of Nuclear Physics“ in the UK (cf. point 7)
- a preliminary document on „Resources of nuclear physics in Europe“ by B. Remaud (cf. point 7)
- a list showing the present composition of the six working groups for the NuPECC Report and an announcement for a workshop of the group on neutrino physics (cf. point 11)
- letters from A. Budzanowski and J. Niewodniczanski concerning a Polish membership in NuPECC, three letters concerning the relation of JINR Dubna with NuPECC and a letter from C.N. Papanicolas concerning a Greek membership in NuPECC (cf. point 13)
- a draft on a „Network on Complementary Facilities in Europe“ prepared by S. Galès and P. Kienle (cf. point 9).

S. Galès sent letters of mission to J. Äystö and P. de Witt Huberts to represent NuPECC at the 1996 ECFA meetings and a letter of information to E. Fernández, the Chairman of ECFA (cf. point 5).

S. Galès was invited to participate at the round table discussion of the large scale facilities of the EU TMR programme (GANIL, GSI, Jyväskylä, Louvain-la-Neuve) on May 13, 1996, at GANIL (cf. point 10).

S. Galès, P. Kienle and P. Hoyer attended the meeting of the DESY Scientific Council on May 21, 1996, at Zeuthen. P. Hoyer presented the physics case for ELFE. This will be discussed under point 12 of the agenda.

S. Galès met with all conveners and several NuPECC liaison members for the NuPECC Report:

- on May 10 at Orsay with B. Frois and A.C. Mueller
- on May 17 at Orsay with G. Sletten
- on May 20 at Milano with G. Bellini, F. Thielemann, G. Ricco and J. Vervier
- on May 24 at Heidelberg with J. Schukraft, J. Stachel and P. Kienle

The status of the work of the various groups will be discussed under point 11 of the agenda.

On June 14, 1996 S. Galès, G. Morrison and G.-E. Körner met with I. Mellanby from Gordon & Breach in Birmingham to discuss the due extension of the contract for Nuclear Physics News (cf. point 6)

3. ESF Review

The review panel for NuPECC J.P. Desclaux, N. Kroo, G. Oquist and H. Rauch will meet with S. Galès, P. Kienle and I. Sick on July 8, 1996, in Vienna. G. Morrison cannot attend. P. Kienle will report on accomplished NuPECC activities, S. Galès will present ongoing and future projects.

4. ECT*

In a letter to R. Malfliet, J.P. Blaizot, the Chairman of the Board of Directors of ECT*, points out the two main issues of ECT*, namely 1.) official European recognition and 2.) financial support from non-local sources. A copy of the letter is enclosed. The idea that ECT* becomes a network of ESF is considered to be unrealistic. R. Malfliet is asked to investigate the possibility to integrate

ECT* into NuPECC, discussing the modalities - within the present or modified terms of reference - with the working group (P. Kienle, A. Fonseca and E. Migneco), S. Galès, H. Karow, B. Mottelson and R. Leonardi. A possible memorandum of agreement should be worked out and discussed at the next meeting.

5. ECFA Meeting Report

J. Äystö reports on the ECFA Meeting held at CERN on June 7, 1996. Some main and relevant items that have been discussed by E. Fernanández and C. Llewellyn-Smith:

- due to funding from non-member states, LHC will be built in one step up to its full energy and should be ready in 2005
- LEAR will stop operating end of 1996
- the LEP2 upgrade as well as the CMS and ATLAS detectors have been approved, ALICE seems close to approval
- physics activities during LHC construction will be LEP (until 1999), the heavy ion programme (1995-99), COMPASS (2001), NA48 (1997-99), ISOLDE (1994-2003)
- ELFE physics being the main issue at the meeting of the DESY Scientific Council
- the bad representation of high energy physics at the EPS conference in Sevilla
- the ongoing discussions and workshops on linear colliders.

6. Nuclear Physics News

The contract with Gordon & Breach which is due for renewal in September has been discussed by S. Galès, G. Morrison and G.-E. Körner with I. Mellanby (Gordon & Breach) on June 14, 1996, at Birmingham. In order to secure the continuation of Nuclear Physics News, NuPECC has offered to increase its contribution to Gordon & Breach to \$8500 per issue. If Gordon & Breach agrees, the contract will be extended for another two years at the next meeting of the Editorial Board to be held on October 11, 1996, in London. This gives NuPECC time to investigate other possibilities without interruption.

7. Review of Nuclear Physics in the UK and Resources in Nuclear Physics

A copy of the Review of Nuclear Physics in the UK has been sent to all NuPECC Members. A restructuring of funding in the UK has taken place with the creation of the Engineering and Physical Sciences Research Council (EPSRC) who do not cover high energy physics and astronomy. The main big project, a full design study to develop RAL into a third generation radioactive beam facility, should be considered by the NuPECC Working Group convened by A.C. Mueller.

A document on the resources of nuclear physics in Europe prepared by B. Remaud together with A. van der Woude and A. Shotter is distributed at the meeting. It is agreed upon that in order to get realistic numbers, the present questionnaire should be modified to serve a more simple purpose:

- to present an overview of permanent and temporary research and teaching staff
- to show how the resources are divided over the various sub-disciplines
- to present an overview of large international collaborations.

So A. Shotter is asked to work on a simplified questionnaire together with H. Doubre and I. Sick, which will then be sent to all NuPECC Members as a test case. They should then put forward the specific difficulties for their institute or country. It is also pointed out that for some countries the numbers could be more easily gained by other means than a questionnaire

8. Nuclear Physics Brochure

B. Jonson, A. van der Woude and G. Morrison met at the North-West European Conference. They agreed that use should be made of the efforts of the Working Groups for the NuPECC Report and their work be tied in.

9. List of Complementary Facilities

A draft conceived by S. Galès and P. Kienle has been sent to the members of the working group (J. Äystö, E. Migneco, D. Schwalm and P. de Witt Huberts) and is distributed at the meeting. It is agreed upon that at some points (e.g. COMPASS) the description of the physics could be improved and that the evolution in time of various projects should be introduced as an additional dimension to show complementarity. P. Kienle and D. Schwalm are asked to prepare an improved document, circulate it within the working group and send an iterated draft to all NuPECC Members, which will then be finalised at the next NuPECC meeting.

10. Meeting on Large Scale Facilities

S. Galès has been invited to the round table of those facilities supported by the „TMR - Access to Large Facilities“ programme (GANIL, GSI, Jyväskylä and Louvain-la-Neuve) held on May 13, 1996, at GANIL. A new activity within the programme is the „Concerted Action“, its rationale being „to build upon and strengthen the Round-Tables and to complement the other actions of the LSF activity“.

Its objectives are

- a) to manage the Round-Table
- b) to maintain a watching brief on the scientific needs for access to facilities in the field
- c) to promote joint scientific and technological activities among members of the Round-Table
- d) to undertake other studies that could strengthen the Round-Table goal.

The proposals

- must involve at least 4 HCM/TMR supported facilities in 3 countries (co-ordinator must be a TMR supported facility)
- should involve representatives of users and of other major European facilities (also from European Third Countries)
- max. funding: 10 kECU per year per participant (average) and 150 kECU per year (duration: 2-3 years)

It is agreed upon that NuPECC should prepare an application for the deadline of December 16, 1996. S. Galès and J. Vervier have arranged to discuss this at DGXII in Brussels end of August / beginning of September.

11. Report „Highlights and Perspectives“

S. Galès met with all the conveners and some of the NuPECC liaison members (see point 2). All conveners agreed to prepare a page on their group to be implemented in WorldWideWeb in order to inform the community and secure its input to the report. The information can be looked at under the NuPECC homepage at <http://www.e12.physik.tu-muenchen.de/nupecc>. B. Frois should be asked to complete his group as soon as possible with the help of B. Schoch. Date, venue and participants of the final workshop will be discussed at the next NuPECC meeting.

12. ELFE@DESY

B. Schoch reports on the workshop held at ECT* on April 1 and 2, 1996. It was felt that the programme was not focused enough on the future.

P. Kienle reports on the DESY Scientific Council held on May 21, 1996 at Zeuthen. P. Hoyer gave a most convincing presentation of the physics case elaborating on

- correlations of partons
- charm physics at the threshold
- hot spots.

One or two points should be prepared in a more elaborate way for the next Scientific Council in November. Detectors are identified as the weak point at present. The machine group under Hussmann and Tkatschenko will continue to work on a principal design for the end of this year.

13. Miscellaneous

- It is agreed upon that NuPECC Members should discuss with representatives of the community at least once per year. In some countries use could be made of regular meetings of physics societies.
- S. Galès will visit nuclear physics labs in Warsaw and Cracow end of June in order to discuss a Polish membership in NuPECC, which is possible within the terms of reference.
- Concerning the request by JINR Dubna to become an observer to NuPECC S. Galès should find out who the relevant authorities are and check with ESF.
- A Greek membership to NuPECC is not considered by ESF due to general problems with the Greek ESF Member.

14. Next meeting

The next meeting will take place on November 29/30, 1996, in Catania.

München, June 21, 1996

(Gabriele-Elisabeth Körner)