

Minutes

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

held on April 23 - 26, 1997, in Hallbergmoos and Garching

Participants:

- J. Äystö
- T. Døssing
- H. Doubre
- S. Galès (Chairman)
- P. Guichon
- M. Harakeh
- J. Jastrzebski
- H. Karow (ESF)
- G.-E. Körner (Scientific Secretary)
- H. Leeb
- G. van Middelkoop
- G. Morrison
- E. Moya de Guerra
- E. Osnes
- G. Ricco
- D. Schwalm
- B. Schoch
- A. Shotter
- J. Vervier
- A. Wagner

R. Bock (EPS), A. Fonseca, E. Fernández, E. Migneco, I. Sick, and Ö. Skeppstedt could not attend.

Agenda

- 1.) Minutes of the Last Meeting
- 2.) Report of the Chairman
- 3.) Pending Questions with ESF
(Terms of Reference, ECT*, New Members, Observers)
- 4.) Nuclear Physics News International
- 5.) Resources in Nuclear Physics
- 6.) Large Scale Facilities Concerted Action
- 7.) Miscellaneous
- 8.) Next meeting(s)

- 9.) NuPECC Report „Highlights and Opportunities“

1. Minutes of the last meeting

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

2. Report of the chairman

S. Galès welcomes J. Jastrzebski, M. Harakeh, G. van Middelkoop, and H. Leeb as new members for Poland, The Netherlands and Austria, and B. Schoch, whose mandate has been renewed for another three years.

In connection with the report on „Highlights and Opportunities“

- the programme committee for the extended meeting has met on January 22 and discussed the final programme and the final list of participants to be invited; copies are included
- S. Galès and several other NuPECC members have attended the meeting on future developments at GSI on January 27 and 28 and the joint DESY-GSI-NuPECC workshop on electron facilities in Seeheim on March 3 and 4
- the directors of CERN, DESY, GSI, GANIL, and Gran Sasso have been invited to present the future perspectives at their facilities in Hallbergmoos on April 24.

Everything related with ESF will be discussed under point 3 of the agenda.

The final document „Towards a Network of Complementary facilities for Nuclear Physics in Europe“ will be decided upon at the next NuPECC meeting in July as well as the appointment of a new observer to EPS-NPB.

3. Pending Questions with ESF

The modifications in the new terms of reference proposed by NuPECC at its last meeting are introduced and the Terms of Reference are now agreed upon by the ESF and NuPECC. A copy is included with the minutes.

The new terms of reference now in principle allow ECT* to become an institutional member of NuPECC, appointed by ESF. NuPECC is perfectly willing to welcome ECT* as a member, but the request of ECT* that ESF endorses their Board of Directors cannot be fulfilled. ESF would though not object, if NuPECC endorsed the Board of Directors. A final discussion to solve these problems will take place between B. Mottelson, R. Leonardi, J.-P. Blaizot, S. Galès and H. Karow.

In order to decide upon the request of Dubna to become a member of NuPECC, S. Galès and H. Karow will pay a visit to Dubna and look into their statutes.

The question of a CERN observer to NuPECC will be discussed at the next meeting in July.

4. Nuclear Physics News International

The new contract with Gordon & Breach running for two years until the end of 1998 has been signed. This implies an increase from \$5000 to \$8500 per issue in cost for NuPECC. This and also the well known and discussed problems of distribution and getting advertisements call for a new publisher to be looked for. Contacts with the IOP should be pursued.

At the next meeting, a replacement for B. Jonson as member of the editorial board has to be nominated. G. Morrison will be a member of NuPECC until the end of 1997; a new chairman of the editorial board will have to be found by then. With the closure of Chalk River, J. Hardy moved to the US. The question of a Canadian member of the board has to be discussed.

NuPECC is still paying for the distribution of Nuclear Physics news in eastern Europe; the EPS-NPB should be reminded that their chairman promised to find funds to take over.

Each NuPECC member is asked to contact colleagues to contribute papers.

5. Resources in Nuclear Physics

Last changes have been incorporated in December, the questionnaire has been sent to the NuPECC members in charge who have distributed it to their colleagues in their countries. Most of the answers have been received; some colleagues had explicitly asked for a confidential treatment of the single entries.

A. Shotter thanks everybody involved for the work that has been put in. A methodology how to treat and condense the accumulated data will be discussed by A. Shotter and G.-E. Körner and presented at the next meeting in July. Help will be sought from B. Remaud and A. van der Woude.

6. Large Scale Facilities Concerted Action

J. Vervier reports on the status of the proposal. A copy of his transparencies is included. The decisive meeting in Brussels will take place on May 5, where 10 selected proposals will be presented.

7. Miscellaneous

As discussed at the last meeting a joint letter of NuPECC and ECFA has been sent to ELSEVIER concerning the dramatic increase in publication costs.

In order to increase the liaison of NuPECC with PESC, the ESF Physical and Engineering Sciences Committee, S. Galès is invited to participate to the next PESC meeting on April 28, 1997.

G. van Middelkoop and A. Wagner will represent NuPECC at the next ECFA meeting on June 6 and 7, 1997.

8. Next Meetings

The next meetings will take place on July 4 and 5, 1997, in Paris and on November 7 and 8, 1997, at DESY.

9. NuPECC Report „Highlights and Opportunities“

The programme for the closed meeting of NuPECC and the conveners on April 23 and 24 in Hallbergmoos as well as of the open meeting on April 25 and 26 in Garching are included.

S. Galès thanks the conveners for the tremendous effort they have made in order to prepare the reports on their fields.

The zero-order draft of recommendations as reached in the discussions until the evening of April 25 and presented and discussed on April 26 has been sent to all NuPECC members. It is not to be distributed.

S. Galès will write a letter to the conveners with precise instructions about the length and the format of their final reports. A copy of this letter is included.

The introductory part by NuPECC, understandable for the average physicist and consisting of about 10 pages should be written before the end of 1997 by an editorial committee whose members are J. Äystö, H. Doubre, P. Guichon, G. Ricco, D. Schwalm, and J. Vervier.

In the beginning of various chapters of the recommendations clearly spelled out key questions of the respective field are missing. Those should be formulated and sent to S. Galès by June 15 by M. Harakeh for „nuclear structure“, J. Stachel for „nucleus-nucleus collisions“, I. Sick for „quark and hadron dynamics“, and J. Vervier for „neutrino and astrophysics“.

The two reports „nuclear structure at the limits“ and „exotic nuclei and radioactive beams“ should be merged into one common chapter. J. Äystö and D. Schwalm will help to co-ordinate this effort.

In the recommendations the structure „general recommendations (the present version prepared by J. Äystö, T. Døssing, A. Fonseca, G. Ricco and I. Sick) - specific recommendations“ should be kept; „nucleus-nucleus collisions“ and „quark and hadron dynamics“ should be separate as well as astrophysics should be treated separately.

H. Leeb agrees to co-ordinate a study group looking into the problem of a big computing centre for theoretical calculations.

Orsay, May 15, 1997

(Gabriele-Elisabeth Körner)