

# Minutes

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

held on July 4 / 5, 1997, in Paris

Participants:

- J. Äystö
- H. Doubre
- A. Fonseca
- S. Galès (Chairman)
- P. Guichon
- M. Harakeh
- J. Jastrzebski
- H. Karow (ESF)
- G.-E. Körner (Scientific Secretary)
- H. Leeb
- G. van Middelkoop
- E. Migneco
- G. Morrison
- E. Osnes
- G. Ricco
- B. Schoch
- D. Schwalm
- I. Sick
- Ö. Skeppstedt
- A. Shotter
- J. Vervier
- A. Wagner

R. Bock (EPS), E. Fernández (ECFA), T. Døssing and E. Moya de Guerra could not attend.

## Agenda

- 1.) Minutes of the Last Meeting
- 2.) Report of the Chairman
- 3.) ECT\*
- 4.) Nuclear Physics News International
- 5.) Network of Complementary Facilities
- 6.) Resources in Nuclear Physics
- 7.) Large Scale Facilities Concerted Action
- 8.) OECD Megascience Forum Working Group
- 9.) Report „Highlights and Opportunities“
  - date of a meeting with funding agencies in Europe
  - chair of the RIB second generation study group
  - study group on large scale computing
  - ELFE presentation at the DESY scientific council on November 6
- 10.) Miscellaneous
  - public understanding of physics (A. Shotter)
  - common study group with ECFA on spin-off of our fields
  - topics and speakers for next EPS conference
  - sponsoring of conferences
- 11.) Next meeting(s)

## 1. Minutes of the last meeting

The minutes of the twenty-eighth meeting are agreed upon with the following changes on page 4:

Paragraph 6, first line: „if“ is replaced by „is“

Paragraph 7, fifth line: „A. Wagner“ is replaced by „S. Galès“

## 2. Report of the chairman

- G. Morrison will be replaced by J. Durell (Univ. of Manchester), starting January 1, 1998; P. Guichon will be replaced by J. Martino (Saclay)

- The visit to DUBNA and related discussions have been postponed in the absence of a reply to the proposed dates (June 9-11, 1997). H. Karow reports that in the meantime he has received a letter by V. Kadyshesky claiming that he had never received any e-mail concerning the meeting.

- On May 14, 1997, a meeting between ESF (H. Karow, M. Clifford), ECT\*(B. Mottelson, R. Leonardi, J.-P. Blaizot) and NuPECC (S. Galès, G.-E. Körner) was held at Roissy. The outcome is given in the letter by H. Karow and a final draft on the association between NuPECC and ECT\*. This will be discussed under point 2 of the agenda.

- On May 26-27, 1997, S. Galès participated in the meeting of the OECD Megascience Forum working group on nuclear physics in Vancouver. He reported on the status of NuPECC's long range plan and recommendations for the field in Europe. This will be discussed under point 8 of the agenda.

- On June 5, 1997, S. Galès was invited to present NuPECC's activities at the R-ECFA meeting at DESY. At that meeting a few issues were raised that will be discussed under point 10 of the agenda.

- On June 27, 1997, S. Galès participated in a workshop on the PIAFFE project at Grenoble.

- An exchange of observers between CERN and NuPECC as proposed by the director general of CERN is not discussed at this point.

Most of other activities were related to efforts in order to reach a new draft for the „Network of Complementary Facilities“ and to amend and complete the zero order draft of recommendations for the report on „Highlights and Opportunities“ and to send instructions to conveners for the preparation of the final version of their reports as well as B. Wiik's invitation to report on the ELFE project at the next scientific council of DESY on November 6. This will be discussed extensively under point 9 of the agenda.

## 3. ECT\*

The intention of the meeting held on May 14 at Roissy was to finalise the agreement to help ECT\* to be part of an European structure. The association with NuPECC was seen as the most efficient way to reach this goal. The two points of friction still remaining were

- the expression „Subscribing Institution“ in NuPECC's Terms of Reference was seen by ECT\* as being too administrative. It was replaced by „Institutional Member“ and accepted by all parties.

- ECT\* wished that ESF endorsed their Board of Directors. This cannot be accepted by ESF and by NuPECC. In the end the original phrasing „endorsed by ESF through NuPECC“ was accepted. The final version of the memo of understanding is also accepted. The formal procedure now will be for ECT\* to apply for membership, which then has to be approved by the ESF Executive Council. It is agreed upon that the representative of NuPECC to the Board of Directors should be S. Galès for the time being.

#### **4. Nuclear Physics News International**

M. Harakeh is appointed as new member of the Editorial Board. At the next meeting, a new chairman has to be appointed.

Each NuPECC member is asked to

- provide propositions of articles and authors
- think about a possible new publisher.

Suggestions are expected for the next meeting of the Editorial Board on October 10.

S. Galès will attend the next meeting of the EPS Nuclear Physics Board in order to discuss open questions.

#### **5. Network of Complementary Facilities**

It is agreed upon that the paper is incorporated into the NuPECC report, therefore it is added to the responsibilities of the Editorial Committee for the report.

#### **6. Resources in Nuclear Physics**

A copy of the memo on a meeting held on June 23, 1997 in Orsay, attended by A. Shotter, A. van der Woude, H.-J. Körner and G.-E. Körner, is distributed. Their next meeting will be held on August 29, 1997, in Orsay. If information is needed for the NuPECC report, the Editorial Committee will approach A. Shotter.

#### **7. Large Scale Facilities Concerted Action**

The application for a Concerted Action has been approved; NuPECC will sign a contract and receive the 60 kECU that have been asked for. NuPECC thanks J. Vervier for his tremendous effort. The first meeting of the new extended Round Table will be held on October 13/14, 1997.

#### **8. OECD Megascience Forum Working Group**

The meeting of the Working Group on Nuclear physics which was held on May 26/27, 1997, in Vancouver, followed the previous meeting in November 1996 in Paris. The agenda included information on the activities of the Megascience Forum and of other working groups, then a regional presentation of the plans for the future in nuclear physics and the reports of the activities

and working plans of the study groups on  
 hi-powers accelerators  
 hadron facilities  
 heavy ion research & instrumentation  
 applications of nuclear science  
 electron-nucleus physics and facilities

A review of all working groups' activities took place in Paris on January 30/31, 1997; these comprise nuclear physics, neutron sources, biological systems, radioastronomy, as well as a review on the policy issue of access to large scale facilities. A workshop concerning an underground neutrino observatory has been held in May 1997 in Taormina. The next general meeting will take place on June 26/27, 1997, in Paris.

#### Presentation of the working groups' report on policy issue related to LSF

- Analysis of 30 facilities in 15 countries; consultations with large institutions, funding agencies, debate on OPEN access, on balance across field to judge on the contribution of various countries.
- Discussion on the problem of funding, the need of data to have an opinion on the decrease of support in physics both in investments and in human resources.
- Discussion on CERN-US agreement on LHC.

For the US, K. Gelbke reports on the NSAC future plans. New information is that the funding of the upgrade of NSCL is effective and that the DOE budget is decreased by 15% in 1997 as compared to the expected budget. The US start the process for a proposal on an ISOL RIB facility; the physics case will be discussed at a workshop on July 31 - August 2, 1997, at Columbus, Ohio. A. Shotter will attend as NuPECC observer. For Europe, S. Galès presents the preliminary recommendations from NuPECC after the meeting in Hallbergmoos and Garching. J. Schukraft reports on CERN activities related to ISOLDE, ALICE, COMPASS, an antiproton decelerator, a medical project in collaboration with GSI. For Japan, M. Ishihara does not present any new information. For Russia A. Ogloblin reveals that the main problem is the lack of mechanisms to co-ordinate actions inside the country.

The next meeting will be held in November 1997 in Paris; the work of the Working Group will end by the middle of 1998.

For NuPECC it is important that the European members who are involved in the discussions of the future of RIB facilities at the world scale be part of the Future NuPECC study group on the same topic.

International Discussions will continue within the framework of the IUPAP Committee C12. C12 asked the 4 regional groups to name four members to build an International Nuclear Physics Committee: US members are the NSAC chair + Yang (Oak Ridge) + Redwine (MIT) + Holt (Urbana); for Asia/Pacific the members are Ishihara (RIKEN) + Nagamiya (KEK) + Sun (Beijing) + Thomas (Canberra). For Europe, members should be S. Galès, M. Harakeh, G. Ricco, and V. Metag. Members for the rest of the world will be nominated by E. Vogt. The first meeting will take place in Boston in March 1998.

## **NuPECC Report „Highlights and Opportunities“**

The final versions of the reports of the Working Groups including the combined report on nuclear structure are expected to be ready by the beginning of September 1997.

The Editorial Committee (J. Äystö, H. Doubre, S. Galès, P. Guichon, G.-E. Körner, G. Morrison G. Ricco, D. Schwalm, and J. Vervier) will prepare a 10-page introduction for the next NuPECC meeting. A copy of its working plan is included.

A revised version of the recommendations by A. Wagner is discussed in extenso; a copy of the outcome has already been sent to all the NuPECC Members.

The proposed Study Group on the options for a second generation RIB facilities should have a chairman who is not a NuPECC member and not involved in a particular project. Names proposed are P. van Duppen and R. Siemssen. S. Galès gets a mandate to take a decision after deliberation. In the meantime, R. Siemssen has agreed to chair the Study Group.

A draft of the report of the NuPECC Working Group on Computational Nuclear Physics, chaired by H. Leeb, is included with these minutes.

The presentation of ELFE at the next meeting of the DESY Scientific Council on November 6, 1997, will have contributions by P. Hoyer (physics case), J.-M. Laget (machine and detectors) and S. Galès (NuPECC recommendations).

### **10. Miscellaneous**

- The improvement of the public understanding of nuclear physics are also being discussed in the US and in ECFA. A. Shotter will elaborate a proposal, analysing means and target.
- H. Doubre is appointed as member of the common study group with ECFA on the spin-off of our fields.

### **10. Next Meeting**

The next meeting will take place on November 7 and 8, 1997, at DESY.

Munich, August 15, 1997

(Gabriele-Elisabeth Körner)