

# Minutes

of the Forty-Seventh Meeting of the Nuclear Physics European Collaboration Committee

(NuPECC)

held on June 27 / 28, 2003, in York

Participants:

- C. Amsler
- Ch. Bargholtz
- T. Bressani
- J. Durell
- B. Fulton
- D. Goutte
- D. Guerreau
- D. Guillemaud – Mueller
- M. Harakeh (Chairman)\*
- W. Henning
- M. Huyse\*
- J. Jastrzebski
- R. Julin
- G.-E. Körner (Scientific Secretary)
- H. Leeb
- R. Lovas (EPS/NPB)
- G. Løvhøiden
- M. Lozano
- K. Riisager
- G. van der Steenhoven
- T. Walcher\*
- W. Weise (ECT\*)\*
- N. Williams (ESF)

J. Dobeš, A. Eiró, G. Fortuna, A. Krasznahorkay and H. Ströher could not attend.

\* Due to problems with the British railway, the discussions on points 1, 3, 4, 6, and parts of 9 were chaired by W. Henning.

## Agenda

- 1.) Minutes of the Last Meeting
- 2.) Report of the Chairman
- 3.) Relation with ESF
- 4.) Budget 2003
- 5.) Nuclear Physics News
- 6.) PANS
- 7.) NuPECC Long Range Plan 2003
- 8.) FP6 Initiatives, Design Studies etc.
- 9.) Miscellaneous
  - ECT\*
  - ECFA
  - EPS
- 10.) Next meeting(s)

## **1. Minutes of the last meeting**

The minutes of the forty-sixth meeting held on February 14 and 15, 2003, in Leuven are agreed upon with the following change: on page 3, point 2, 1<sup>st</sup> paragraph, “?” is to be replaced by “M”.

## **2. Report of the chairman**

M.N. Harakeh welcomes the new Member C. Amsler, the guest J. Nicholson (EPSRC), and the EPS-NPB representative R. Lovas.

The proposal for Mapping Studies by NuPECC was included into the EURONS proposal for an Integrated Infrastructure Initiative (see also point 8 of the agenda). The text has been distributed to the NuPECC Members earlier.

M.N. Harakeh could not attend the International Conference on Nucleus-Nucleus Collisions in Moscow as planned; reports on future European projects were given by W. Henning and M. Lewitowicz.

M.N. Harakeh remains in contact with S. Harissopulos concerning the membership of Greece in NuPECC.

## **3. Relation with ESF**

N. Williams reports on ongoing activities within ESF such as the co-ordination of EUROCORES and the status of the transfer of the COST action to ESF.

The panel for the review of the science impact and procedures of NuPECC has been established and approved by the Executive Board; its members are: Chair: Professor Rene Kamermans, University of Utrecht, PESC member; Dr. Paul Bonche, SPHT, CEA Saclay, nominated by CEA; Professor Kris Heyde, Physics Department, Gent University, nominated by FWO; Dr. Andrej Kugler, Nuclear Physics Institute, ASCR, Czech Republic, nominated by CzAS; Professor Elvira Moya Valganon, Instituto de Estructura de la Materia, CSIC, nominated by PESC; Professor Alice Mignery, University of Maryland, USA, nominated by NSF.

The material submitted by NuPECC has been received; the ESF Member Organisations involved in NuPECC have been asked their opinion by September 12; the panel will meet in October and issue a report in November.

The answer from M.N. Harakeh to a letter from E. Banda asking for answers to the questions whether the absence of a European Research Council has caused damage in the past and whether the community could benefit from an ERC in the future has been distributed to all NuPECC Members. In the meantime ESF has published a document concerning its views on an ERC. Information on where to find this document has been given to all NuPECC Members.

## **4. Budget 2002 / 2003**

Due to computer problems at the ESF, no update on the budget situation was available before the meeting. The present status of the budget is now enclosed with the minutes.

## 5. Nuclear Physics News

The next meeting of the Editorial Board will only take place on June 28.

No contribution has been received from EPS yet.

## 6. PANS

C. Bargholtz reports on the status of PANS and its meeting in Bergen on May 9 and 10, 2003. Copies of his transparencies are included. The PANS Board will meet in München on July 19 and 20, 2003, in order to prepare the final report on the EU contract ending on July 31, 2003, and possible future activities. It is emphasised again that PANS needs support from colleagues. Room should be given to presentations of PANS activities at major conferences.

Not only PANS, but also NuPECC should get involved in the activities related to the World Year of Physics 2005, for which a preparatory conference will be held on July 6 to 9, 2003, in Graz. All NuPECC Members are asked to find out about activities in their country and report under a major point of the agenda at the next NuPECC Meeting. For the countries with several members, the information should be provided by T. Bressani, B. Fulton, D. Guerreau, W. Henning, and G. van der Steenhoven.

## 7. NuPECC Long Range Plan 2003

Final versions for the five reports already available have been received and can be looked at on the NuPECC Website. For the report on applications, the contributions from the three conveners of the 2002 NuPECC Report have been received, but unfortunately no progress has been made for the remaining topics. W. Henning will ask Christine Trautmann (GSI) to take up this task as soon as possible.

For the chapter on facilities, all texts have been received. For the ordering, the following concept is proposed: at the beginning the facilities with major projects, i.e. GSI, GANIL, Legnaro and ISOLDE, the other nuclear physics facilities ordered alphabetically by location, at the end the big experiments at other facilities, i.e. ALICE, COMPASS and HERMES. In order to make this chapter more attractive, the authors who have not done so should be asked to provide a figure for their facility without exceeding one page for their contribution. The Editorial Committee is then charged to balance and homogenise this chapter. It is suggested to also provide a table for reference whose content should be checked by the lab directors.

For the executive summary, the following logical order is proposed: QCD – phases of nuclear matter – nuclear structure – nuclei in the universe – fundamental interactions – applications. The same order should be followed in the main report. All acronyms should be replaced by their full notion. For colleagues outside nuclear physics, the key questions should be pinned down and illustrated by 5 or 6 figures with captions that can directly be used by any physicist for a presentation on nuclear physics. W. Henning proposes several examples; on this basis the NuPECC liaison members are asked to provide such a one-page figure for their respective chapters in collaboration with their conveners before the end of August.

Further to the amendments in the recommendations expressed in the meeting, comments should be made to M.N. Harakeh. It is agreed that at the end of the general recommendations, the importance

of education and outreach activities should be pointed out. C. Bargholtz is asked to propose a statement.

All changes in text should be sent to M.N. Harakeh and the NuPECC liaison members.

R. Casten, the Chairman of NSAC, reports on the new charge for NSAC from the OSTP concerning education and outreach, nuclear theory and fundamental nuclear physics with neutrons. Copies of his transparencies are enclosed.

The 20 k€ for the publication of the report provided by ESF will be available until December 2003; by then an order will have to be placed.

NuPECC has received a letter from F. Azaiez, signed by about 100 colleagues, making their case for a high-intensity stable beam facility. M.N. Harakeh will ask him to prepare and submit a short document to NuPECC, and to present it at the next NuPECC Meeting for discussion.

## **8. FP6: Integrated Initiatives, Design Studies**

The two major proposals for Integrated Infrastructure Initiatives in nuclear physics, EURONS and I3HP, have been submitted to the EU on April 15, 2003. All proposals are being refereed now; new information is only to be expected this fall.

NuPECC is aware of Design Studies on the GSI Future Facility, EURISOL and MAFF; T. Bressani mentions a Study for DAΦNE-2. J. Vervier sent a letter to NuPECC on behalf of the present EURISOL Steering Committee asking for approval of the new Steering Committee for the EURISOL Design Study, consisting of G. Fortuna (Chair), Y. Blumenfeld and P. Butler. This is approved.

In view of the idea to co-ordinate the various Design Studies related to nuclear physics, NuPECC proposes to the beta-beam and the EURISOL Design Studies to ensure cross representation by adding a member each from the other community to their Steering Committees. M.N. Harakeh will inform EURISOL, i.e. G. Fortuna, and ESGARD (for beta-beams), i.e. R. Aleksan, accordingly.

Representatives of the Design Studies will be asked to present their proposals at the next NuPECC Meeting.

## **9. Miscellaneous**

- ECT\*: W. Weise reports on the activities of ECT\* and its role as a bridge between EURONS and I3HP. Copies of his transparencies are enclosed. NuPECC endorses M. Birse as new member of the ECT\* Board of Directors; M.N. Harakeh is ex officio appointed as new member.

- ECFA: In order to achieve reciprocity, an exchange of observers only makes sense between NuPECC and RECFA; M.N. Harakeh will discuss this point with B. Foster and J. Engelen. G. van der Steenhoven will act as NuPECC Observer; ECFA prefers to send the local member as observer to the NuPECC Meetings.

- EPS: R. Lovas reports on the activities of EPS/NPB; a report on the last board meeting is distributed.

## 12. Next meeting(s)

A discussion on the situation of nuclear physics in the country and a visit to the laboratory hosting the NuPECC meeting is agreed upon; this will be realised from the next NuPECC Meeting on.

The next NuPECC meetings will be held

on December 5 and 6, 2003, in Frascati

on March 12 and 13, 2004, in Orsay

in June 2004, in Göteborg (in connection with INPC04)

or at CERN or in Groningen

on November 12 and 13, 2004 in Sevilla.

München, July 18, 2003



(Gabriele-Elisabeth Körner)